

**APPENDIX M**  
**CASE 10-T-0189**  
**WATERBODY INVENTORY (114A) & WETLAND**  
**DELINEATION REPORT**

# Wetland & Waterbodies Delineation Report



## Champlain Hudson Power Express Segment 3-Package 2

### Fort Ann - Kingsbury, New York

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## 1.0 INTRODUCTION

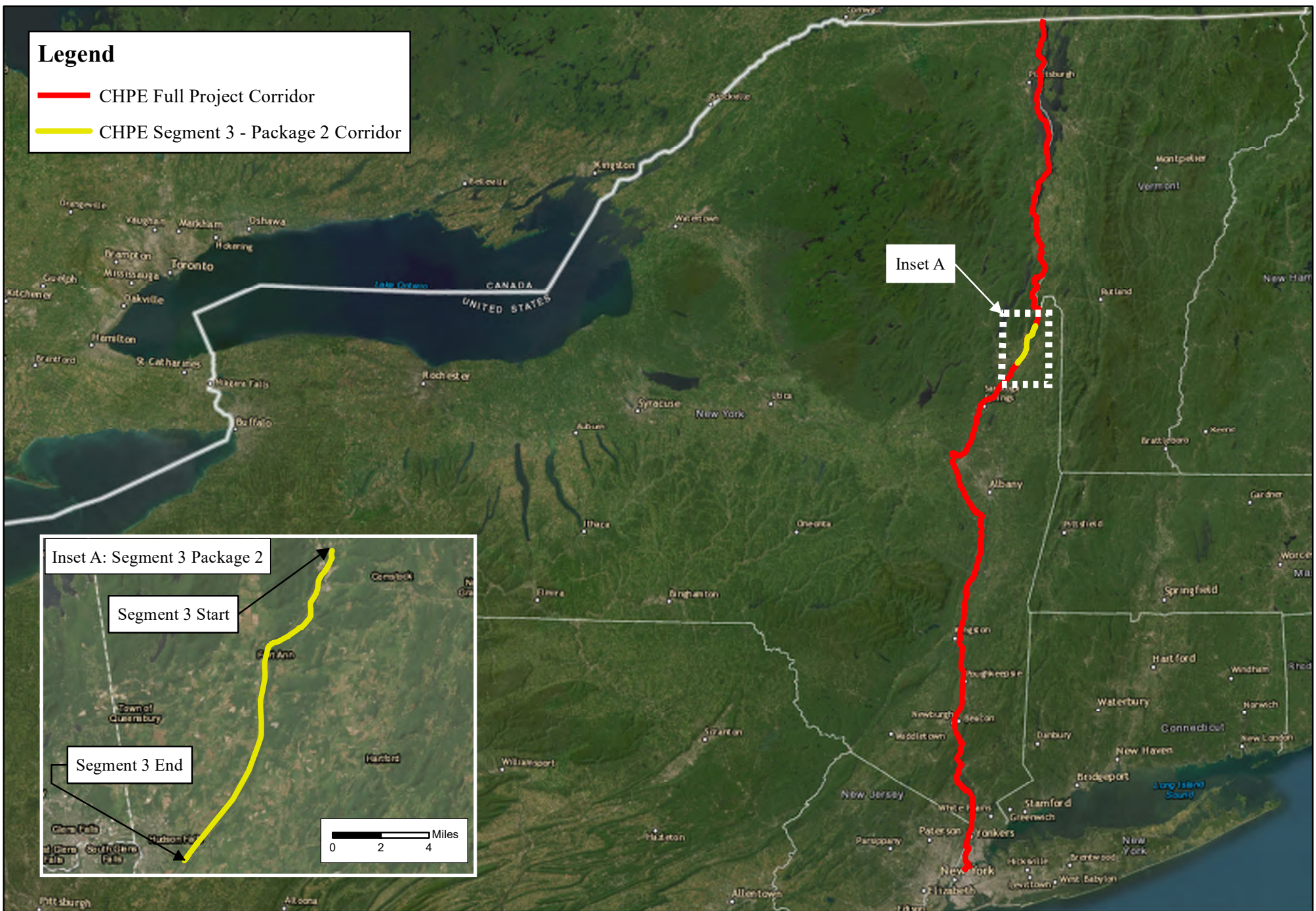
CHA Consulting, Inc. (“CHA”) has prepared this wetland and waterbodies delineation report on behalf of Champlain Hudson Power Express, LLC. (“CHPE, LLC”) and Kiewit Construction (Kiewit) for the Champlain Hudson Power Express Project (Project). CHA was retained by Kiewit to identify and delineate jurisdictional wetlands and waterways regulated under Section 404 of the Clean Water Act (CWA), Section 10 of the Rivers and Harbors Act of 1899, New York State Article 15 (Protection of Waters) and Article 24 Freshwater Wetlands Act (FWW) of the Environmental Conservation Law along the overland transmission cable route that follows State, county and local roadways and the Canadian-Pacific (“CP”) railroad rights-of-way (“ROW”), herein referred to as the Project Corridor. Delineations were conducted with the objective of verifying and updating previous wetland delineations performed for the Project Corridor as part of the Article VII and Section 10/404 permitting processes. This report describes the wetland delineation methodology and the existing wetland and waterbody resources that were identified in the Project Corridor (also defined as the Jurisdiction Determination (JD) limits) during field surveys for the overland portions of the Project.

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## **2.0 PACKAGE 2 CORRIDOR OVERVIEW**

The entire Project Corridor is approximately 339 miles from Montreal, Quebec, Canada to New York City, New York, USA. Figure 1 below shows the route from the Canadian border to New York City and highlights the approximately 15.1 miles of the Package 2 Project Corridor that was investigated for wetlands and waterbodies.

Segment 3 - Package 2 begins at the cross-over from the Canadian Pacific (CP) railroad to a segment of Old Route 4 in the Town of Whitehall, NY, just north of the municipal boundary with the Town of Fort Ann. The Project Corridor extends south on Old Route 4, into the Town of Fort Ann and transitioning back to CP at the southern terminus of this road, for a total of 3.2 miles. The Project Corridor then extends approximately 11.9 miles south through the towns of Fort Ann and Kingsbury to a point approximately at the municipal boundary between the towns of Kingsbury and Fort Edward.



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### 3.0 WETLAND DELINEATION METHODOLOGY

To determine the potential for wetland impacts from construction of the Project, CHA assessed the Project Corridor in the field for the presence of federal (Section 404 CWA & Section 10 of the Rivers and Harbors Act of 1899) and state (Article 24 FWW & Article 15 Protection of Waters) jurisdictional wetlands and waterbodies. Greenman Pedersen, Inc. (GPI) assisted with the field work. The delineation criteria and methodology were performed in accordance with the United States Army Corps of Engineers (USACE) 1987 Wetland Delineation Manual, the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (January 2012), as well as the *New York State Freshwater Wetlands Delineation Manual* (Browne et. al., 1995).

The Project Corridor for the surveyed portions of the project included the land within the existing NYS Old Route 4 ROW and the CP railroad ROW. The wetland delineation limits were approximately 50 feet from the edge of pavement and approximately 100 feet from the outside edge of rail, limited to the side of the road or railroad corridor on which the alignment follows and within the ROW of the roads and railroad.

In accordance with the procedures provided in the USACE Wetland Delineation Manual (1987), and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, Version 2.0 (January 2012), the "Routine Wetland Determination" method was used to delineate wetland boundaries.

The wetland boundaries were determined in the field based on the three-parameter approach, whereby an area is a wetland if it exhibits vegetation adapted to wet conditions (hydrophytes), hydric soils, and the presence or evidence of water at or near the soil surface during the growing season (hydrology).

Coded surveyor's ribbons (eg, flag code A-1, A-2, etc.) were placed along the wetland boundaries based on observations of vegetation, soils and hydrologic conditions. Data points were recorded along the wetland boundaries at various locations across different vegetative community types correlating to each wetland. At each location a wetland data point and an upland data point were recorded to show the difference between the wetland and upland habitats. At a minimum, one data

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point set (wetland and upland) was collected for each wetland. Additional data points were collected for large wetlands and for changes in vegetative communities. Wetland Determination Data Sheets corresponding to each point can be found in Attachment 1.

Wetlands within the Segment 3 - Package 2 Project Corridor fall under the jurisdiction of the New York State Department of Environmental Conservation (NYSDEC) and/or the U.S. Army Corps of Engineers (USACE). The New York State methodology similarly recognizes the evaluation of the three wetland parameters of vegetation, soils, and hydrology; however, under the New York State methodology the hydrophytic vegetation criterion is mandatory, while the other two parameters are not (Browne et. al. 1995). Wetlands regulated by NYSDEC must be at least 12.4 acres (5 hectares) in size, unless they are deemed to have unusual local importance (Article 24 FWW). The NYSDEC publishes maps of wetland areas under state jurisdiction; however, both agencies use field delineation to determine the precise boundaries of these wetland areas.

Prior to actual field delineations for wetland resources, CHA reviewed USGS 7.5-minute topographic maps, aerial photographs, National Wetland Inventory (NWI) mapping, United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil mapping, NYSDEC freshwater wetlands mapping to identify potential wetland features present within the Project Corridor. More importantly, CHA used the previous wetland delineation prepared for this Project Corridor for the purposes of verifying and modifying the previous delineation. Wetland scientists from CHA and GPI conducted wetland delineations from October 2021 to March 2023. Refer to Attachment 2 for NWI and NYSDEC Freshwater Wetlands & Stream Mapping and Attachment 3 for NRCS Soil Mapping.

Waterbodies within the Project Corridor were identified by the presence of an ordinary high-water mark (OHWM) or stream channel. Delineation and flagging were completed to identify the OHWM for most perennial and intermittent streams. Bankfull width and depth were estimated in the field.

This report documents the wetlands and waterbodies potentially under federal and State jurisdiction that were identified in the Segment 3 - Package 2 Project Corridor along the current proposed underground transmission cable route. Summaries of wetlands that were identified are provided in Table 4-1 in Attachment 4. Wetlands and Waterbodies Delineation Mapping is

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included in Attachment 5. Wetland determination data forms and photographic documentation of the wetlands are included in Attachment 1.

## **4.0 WETLAND & WATERBODIES DELINEATION RESULTS**

A total of 70 wetland areas were identified within the Project Corridor totaling approximately 46.3 acres. Table 4-1 in Attachment 4 provides a summary of the wetlands identified along the Project Corridor, including their classification in accordance with Cowardin et al. (1979) and their state or federal jurisdiction. Of these, five (5) wetlands (CBZ, CGZ, GP2-D, P2-CA and G-R-RR) along the Project Corridor correspond with two (2) wetlands mapped by the NYSDEC (FA-13 & HF-10).

Narrative descriptions of wetland vegetation, hydrology, and soils observed within the Project survey area are presented in the following sections. The wetlands delineated within the surveyed areas are summarized in Table 4-1. Table 4-2 summarizes the waterbodies identified within the surveyed areas. Table 4-3 provides the soil series information assembled for the Project Corridor. Refer to Attachment 4 for each of these tables. The Wetlands and Waterbodies Delineation Mapping provided in Attachment 5, displays the locations of delineated wetlands and waterways. Photographs of the waterbodies can be found in Attachment 6.

### **4.1 VEGETATION**

Vegetative communities within wetlands are described according to *Ecological Communities of New York State, Second Edition* (Edinger 2014)<sup>1</sup> and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin 1979)<sup>2</sup>. Using this hierarchical wetland classification system three primary cover types were identified for vegetated wetlands in the Project Corridor:

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<sup>1</sup> Edinger, G. J., D. J. Evans, S. Gebauer, T. G. Howard, D. M. Hunt, and A. M. Olivero (editors). 2014. *Ecological Communities of New York State*. Second Edition. A revised and expanded edition of Carol Reshke's *Ecological Communities of New York State*. New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY.

<sup>2</sup> Cowardin, L. M., V. Carter, F. C. Golet, E. T. LaRoe, 1979. *Classification of wetlands and deepwater habitats of the United States*. U. S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.

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palustrine emergent (PEM), palustrine scrub-shrub (PSS), and palustrine forested (PFO) wetlands. Some wetlands contained co-dominant emergent, scrub-shrub, or forested vegetation. Open water areas were identified as palustrine unconsolidated bottom (PUB).

#### **4.1.1 Palustrine Emergent Wetland**

The palustrine emergent wetland cover type is characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens (Cowardin et. al., 1979). The freshwater emergent wetlands along the Project Corridor primarily include shallow emergent marshes, deep emergent marshes, common reed/purple loosestrife marshes, and ditch/artificial intermittent stream channels (Edinger et. al., 2014). PEM wetlands occur as a single dominant wetland cover type, and as a co-dominant wetland type when other plant community types exist within the wetland.

Shallow emergent marshes occur on mineral soils or deep muck soils that are permanently saturated and seasonally flooded. Water depths range from 6 inches to 3.3 feet during flood stages (Edinger et. al., 2014). Characteristic vegetation of shallow emergent marshes within the Project Corridor includes cattails (*Typha* spp.), sedges (*Carex* spp.), goldenrods (*Solidago* spp.), riverbank wild rye (*Elymus riparius*), field horsetail (*Equisetum arvense*), sensitive fern (*Onoclea sensibilis*), and soft rush (*Juncus effusus*). Invasive species observed within the shallow emergent marshes include common reed (*Phragmites australis*) and purple loosestrife (*Lythrum salicaria*).

Deep emergent marshes occur on mineral soils or fine-grained organic soils with water depths ranging from 6 inches to 6.6 feet (Edinger et. al., 2014). Emergent vegetation observed within deep emergent marshes in the Project Corridor includes cattails and bulrushes (*Scirpus* spp.). Common reed and purple loosestrife were observed within some of the deep emergent marshes within the Project Corridor.

Common reed/purple loosestrife marshes consist of disturbed marshes where common reed or purple loosestrife has become dominant (Edinger et. al., 2014). This community was commonly found within disturbed areas adjacent to the CP rail bed.

The ditch/artificial intermittent stream community consists of artificial waterways constructed for drainage or irrigation (Edinger et. al., 2014). Vegetation within the ditches is typically dominated

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by grasses and sedges. Invasive species such as common reed, purple loosestrife, and reed canary grass are commonly found within the ditches along the railroad and road ROWs.

#### **4.1.2 Palustrine Scrub-Shrub Wetland**

The scrub-shrub wetland cover type includes areas that are dominated by saplings and shrubs that are less than 20 feet tall (Cowardin et. al., 1979). Scrub-shrub wetlands along the Project Corridor were dominated by speckled alder (*Alnus incana*), red osier dogwood (*Cornus sericea*), silky dogwood (*Cornus amomum*), gray dogwood (*Cornus racemosa*), and honeysuckle (*Lonicera spp.*). Other vegetation observed includes green ash (*Fraxinus pennsylvanica*), American cranberry bush (*Viburnum trilobum*), smooth arrowwood (*Viburnum dentatum*), common winterberry (*Ilex verticillata*), and white meadowsweet (*Spiraea alba*). Invasive species observed within scrub-shrub wetlands includes honeysuckle and common buckthorn (*Rhamnus cathartica*). PSS wetlands occur as a single dominant wetland cover type, and as a co-dominant wetland type when other plant community types exist within the wetland.

#### **4.1.3 Palustrine Forested Wetland**

Forested wetland cover types are dominated by trees and shrubs that have developed a tolerance to a seasonal high-water table. For a community to be characterized as forested, a wetland must be dominated by trees and shrubs that are at least six meters tall (Cowardin et. al., 1979). Forested wetlands typically have a mature tree canopy, and depending upon the species and density, can have a broad range of understory and groundcover community components. Forested wetland communities along the Project Corridor include red maple hardwood swamps and floodplain forest (Edinger et al., 2014). PFO wetlands occur as a single dominant wetland cover type, and as a co-dominant wetland type when other plant community types exist within the wetland.

Red maple-hardwood swamps occur in poorly drained depressions, usually on inorganic soils. Red maple is either the only dominant tree species or is codominant with one or more hardwoods (Edinger et. al, 2014). Hardwood species observed within this community type within the Project Corridor include green and white ash (*Fraxinus pennsylvanica* and *F. americana*), American elm (*Ulmus americana*), red maple (*Acer rubrum*), eastern cottonwood (*Populus deltoides*), swamp white oak (*Quercus bicolor*), red maple (*Acer rubrum*), speckled alder, and black willow (*Salix nigra*). Shrub species commonly observed within red maple-hardwood swamps in the Project

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Corridor include dogwoods, speckled alder, willows (*Salix* spp.), and honeysuckle. The herbaceous layer typically includes sensitive fern, tussock sedge (*Carex stricta*), goldenrods, and field horsetail. Invasive species observed within red maple-hardwood forests included honeysuckle, buckthorn, and purple loosestrife.

Floodplain forests typically occur on mineral soils on low terraces of river floodplains and river deltas (Edinger et al., 2014). Tree species observed within this community type in the Project Corridor include green ash, American elm, speckled alder, and common buckthorn. Shrubs included dogwoods, honeysuckle, speckled alder, and nannyberry (*Viburnum lentago*). Sensitive fern, goldenrods, horsetail (*Equisetum* spp.), and moneywort (*Lysimachia nummularia*) were commonly found in the herbaceous layer. Invasive honeysuckles and buckthorns were also observed in floodplain forests within the Project Corridor.

#### **4.1.4 Open Water**

Besides vegetated wetlands, a couple scattered small ponds are located along the transmission cable corridor, adjacent to the railroad and road ROWs as are streams and the Champlain Canal. As previously noted, open water communities are identified as palustrine unconsolidated bottom (PUB). This community is characterized by a vegetation cover of less than 30 percent, although there may often be emergent or shrubby vegetation bordering the open water areas (Edinger et. al., 2014). Characteristic species observed along the edges of these communities were narrow-leaf cattail (*Typha angustifolia*), common duckweed (*Lemna minor*) and a variety of sedge species. Pond substrates consist of be silt, mud, cobble, or sand.

## **4.2 HYDROLOGY**

### **4.2.1 Streams**

Table 4-2 lists the 20 streams (perennial [12], intermittent [8]) identified within the Project Corridor. The overland transmission cable route is located within the Lake Champlain Basin. The Lake Champlain Basin drains the area between the Adirondacks in New York and the Green Mountains in Vermont. Perennial waterbodies within the Project Corridor in this watershed include Halfway Creek, Bond Creek, and several unnamed tributaries to the Champlain Canal.

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#### **4.2.2 Wetlands**

Site hydrology was examined within each wetland and adjacent upland areas. Indicators of wetland hydrology included inundation (A1) or evidence of inundation (A2 & A3) (such as water-stained leaves (B9) or buttressed tree trunks), trees with shallow roots, saturation within the upper portion of the soil (A3) during the growing season, drainage patterns (B10) and drift lines within wetlands, sediment deposition (B2), and oxidized root channels (C3) in the upper 12 inches of soil (Attachment 1). Hydrologic factors contributing to the presence of wetland hydrology within wetlands in the Project Corridor included inundation with river, pond, or stream water, temporarily ponded runoff, and seasonally to permanently shallow groundwater tables.

Hydrology along the Project Corridor has been historically altered by road and railroad drainage ditches. CHA inspected these ditches for the presence or absence of wetland indicators and hydrologic connectivity to wetlands or streams. Ditches that met the three parameters for wetland delineation (i.e., presence of hydrology, hydric soils, and hydrophytic vegetation) were identified as a wetland community.

#### **4.3 SOILS**

The USDA NRCS soil map units for the Project Corridor are provided in Attachment 3. Indicators of hydric soils included muck or evidence of gleyed colors such as histic epipedon (A2), black histic (A3), depleted below dark surface (A11), thick dark surface (A12), sandy redox (S5), dark surface (S7), thin dark surface (S9), loamy gleyed matrix (F2), depleted matrix (F3) and redox dark surface (F6) (Attachment 1). Within the Project Corridor, a total of 37 different soil types are mapped by the NRCS. The mapped soil types range from excessively drained to very poorly drained soils. According to the National List of Hydric Soils prepared by the NRCS (2009), eight (8) of the soils mapped within the Project Corridor are classified as hydric soils (Carlisle muck, Catden muck, Covington silty clay loam, Limerick silt loam, Fluvaquents, Palms muck, Saco silt loam and Saprists, Aquepts, and Aquents). Hydric soils are defined as soils “that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part of the soil” (Federal Register, 1994). Table 4-3 summarizes the soil series in the Project Corridor and lists the soils that are classified as hydric (or associated with wetland hydrology) in the Project Corridor.

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Many soils within the Project Corridor are formed from glacial parent materials including outwash, dense till, loose till, and glaciomarine deposits. In active floodplains, soils are formed in recent alluvium. Anthropogenically disturbed soils, associated with road and railroad construction and operation, are common within the Project Corridor. The disturbed soils consist of disturbed natural deposits or human transported materials.

#### **4.4 NATURAL RESOURCE CONSERVATION SERVICE SOIL SERIES DESCRIPTIONS**

The following are the abbreviated descriptions of each of the relevant soil types taken from the USDA Web Soil Survey (NRCS, USDA 2022). Soils survey mapping and additional information regarding relevant soil characteristics are provided in Attachment 3.

##### **Belgrade Series (BeB)**

These are very deep, moderately well drained soils formed in glaciolacustrine material. These soils are typically found on terraces. Slopes can range from 0 to 25 percent. The A horizon is typically a very dark grayish brown and very fine sandy loam, with weak fine granular structure, extending 0 to 9 inches deep. The B horizon generally is yellowish brown to brown very fine sandy loam with very weak fine and medium granular structure. This horizon also has fine roots and can be slightly acidic. The C horizon is mixed light olive brown and gray very fine sandy loam to loamy fine sand, with massive common lenses of fine sand and masses of iron accumulation.

##### **Carlisle Series (Ca)**

These deep and very poorly drained organic soils are formed in woody fibrous material that accumulated in waterlogged bogs. They are nearly level and are found in depressions within glaciated uplands, lake plains, and outwash plains. The surface layer is black organic material 10 inches thick. Below this layer is a 15-inch layer of black, massive, well decomposed organic material. The following 49 inches is composed of dark reddish-brown, massive, well-decomposed organic material. From a depth of 74 to 80 inches is very dusky red, massive, neutral, fibrous organic material. Below 80 inches is a 6-inch layer of light gray, slightly sticky and slightly plastic, calcareous marl and 24 inches of dark-gray, massive, slightly sticky and slightly plastic, calcareous silt.

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### **Catden Series (Ca)**

These organic/muck soils are characterized as very deep and very poorly drained. They are formed in highly decomposed woody and herbaceous organic materials in depressions on till plains, lake plains, outwash plains, and flood plains. Saturated hydraulic conductivity is moderately high or high with slopes ranging from 0 to 2 percent. The organic material may extend to a depth of 51 inches or more, and surface tiers are characterized with hues of 5YR to 2.5Y, or neutral, values of 1 to 4 and chromas of 0 to 6. It is dominantly muck (sapric material); however, some pedons have surface layers of peat (fibric material) or mucky peat (hemic material). The structure of the surface tier is weak or medium, coarse to fine granular, platy, subangular blocky, or is massive. Subsurface and bottom tiers have hues, values and chromas that are similar to the surface layers.

### **Claverack Series (CIA & CIB)**

These are very deep, moderately well drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level to sloping soils in shallow deltas on lake plains. The sand, which overlies finer textured sediments, is dominated by quartz and has been derived primarily from non-calcareous sandstone or granite. Slope ranges from 0 to 15 percent. Typically, the A horizon consists of a fine sand and is usually a dark grayish brown color. The B horizon consists of structureless sand. In some places, the lower part of the B horizon has gray or grayish brown redoximorphic features below a depth of 18 inches. The C horizon is a silty clay loam or clay with some sub-horizons of silt or loam, up to 5 inches thick.

### **Cosad Series (Cs)**

These are very deep, somewhat poorly drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level soils typically found on lake plains. Slopes range from 0 to 8 percent. The A horizon consists of very dark brown loamy fine sand with weak medium to coarse granular structure, to a depth of 9 inches. The B horizon is a brown to pale brown loamy fine sand with few roots and a very thick very weak platy structure, extending to a depth of 30 inches. The C horizon is typically reddish-brown silty clay; moderate very thick plate-like divisions with horizontal faces along depositional varves; faces of plates coated with light gray silt; very firm, sticky; few roots; few fine pores; common medium prominent strong brown soft

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masses of iron accumulation, and distinct gray areas of iron depletion; moderately alkaline, strongly effervescent. The C horizon may extend to a depth of 72 inches.

### **Covington Series (Cv)**

These are very deep and poorly drained soils formed in calcareous clayey glacio-lacustrine or glacio-estuarine deposits on glacial lake plains. These soils are found on broad plains, depressions, and drainageways. Slopes range from 0 to 8 percent. The A horizon consists of very dark brown silty clay or silty clay loam with granular or blocky structure, to a depth of 8 inches. The B horizon is dark gray firm to very firm, sticky or plastic clay with thin sub-horizons of silty clay, extending to a depth of 33 inches. High chroma redoximorphic features are typical of this horizon. The C horizon is typically dark gray firm to very firm, sticky or plastic clay or silty clay, although silt and silt loam varves alternate with clay varves in some pedons. The C horizon may extend to a depth of 65 inches and has redoximorphic features similar to that of the B horizon.

### **Farmington Series (FCC, FCF & FaB)**

These are shallow, well drained, and somewhat excessively drained soils formed in till. Slopes range from 0 to 70 percent. The A horizon is dark grayish brown silt loam with granular structure. The B horizon is composed of a yellowish-brown silt loam 6-inches thick, followed by 4-inches of brown loam with redoximorphic features. The texture is very fine sandy loam to silt loam, and the structure is granular to subangular blocky. The R horizon is limestone, dolomite, or dolomitic limestone bedrock.

### **Fluvaquents (FL)**

These are deep, level or nearly level, moderately well drained, low lime, sandy soils formed in glacial outwash. The available water capacity is low to moderate. Permeability is rapid.

### **Fredon Series (Fr)**

These are very deep, poorly, and somewhat poorly drained soils formed in glaciofluvial materials. Fredon soils are typically found on outwash terraces and outwash plains. Slope ranges from 0 to 8 percent. The A horizon consists of very dark gray silt loam with weak fine granular structure, to a

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depth of 7 inches. The B horizon is dark grayish brown to gray silt loam with weak coarse and very coarse prismatic structure parting to moderate fine subangular blocky structure, extending to a depth of 22 inches. The C horizon is typically dark grayish brown to very dark grayish brown gravelly loamy sand to very gravelly sand, consisting of 40 percent rock fragments. The C horizon may extend to a depth of 80 inches.

#### **Hartland Series (HcA, HcB, HcC & HcD)**

These are deep, well-drained medium texture soils formed in water-sorted silt and very fine sand and occur typically in cultivated areas. Slopes range from 0 to 20 percent. The A horizon is up to 10 inches deep and consists of a dark brown very fine sandy loam with a very weak, fine granular structure. The B horizon is up to 5 inches deep with a yellowish-brown color with a weak, medium, subangular, blocky structure. Depth to bedrock is more than 6 feet.

#### **Hollis Series (HLE & HNC)**

These are shallow, somewhat excessively drained soils formed in glacial till. Slopes range from 0 to 60 percent. The A horizon is dark brown loam 4 inches thick with weak granular structure. The upper 4 inches of the B horizon is strong-brown sandy loam, and the lower 11 inches are yellowish-brown fine sandy loam. The B horizon has weak granular or weak blocky structure. Bedrock is at a depth of 19 inches.

#### **Hudson Series (HWE, HvC)**

These are very deep, moderately well drained soils formed in clayey and silty lacustrine sediments. These soils are in convex lake plains, lacustrine capped uplands, and on lower valley side-slopes. Slopes can range from 0 to 60 percent. The A horizon is typically brown silt loam and silty clay loam, with granular structure, extending 5 to 12 inches deep. The E horizon, when present, consists of faintly mottled brown, very fine sandy loam or silt loam with blocky or platy structure. The B horizon generally is firm yellowish brown to brown silty clay with moderate or strong blocky structure and may have medium to very coarse prisms. Low and high-chroma redoximorphic features are present but may be faint or absent in the shallower portions. The C horizon is mixed grayish brown and light olive brown silty clay, with massive structure, or plate-like divisions.

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### **Kingsbury Series (KbA & KbB)**

These are very deep, somewhat poorly drained soils formed in clayey glacio-marine or glacio-lacustrine sediments. They are nearly level or gently sloping, ranging from 0 to 8 percent slope. The A horizon is typically very dark grayish brown silt loam, and texture can range from very fine sandy loam to clay. This horizon has granular or blocky structure. The E horizon generally is mixed brown and yellowish-brown silty clay but can be silt loam or very fine sandy loam, with blocky to platy structure. Redoximorphic features occur throughout. The B horizon typically consists of dark grayish brown clay, mixed with yellowish brown clay in the shallower portions. Typically, it has greater than 50 percent redoximorphic depletions on ped faces with concentrations in ped interiors. This horizon generally has blocky structure, within coarse or very coarse prisms. The C horizon generally has similar color to the deeper portions of the B horizon, although redoximorphic features generally have lower contrast. This horizon ranges from silty clay loam to clay in texture, and has massive structure, which, when disturbed, can part into aggregates resembling very fine blocky structure.

### **Limerick Series (Lm)**

These are deep, poorly drained soils formed in alluvial deposits of silt and very fine sand. They are nearly level and are found in low areas on flood plains. The A horizon is very dark grayish brown about 3 inches thick. The structure of the A horizon is granular. The C horizon is typically a silt loam or very fine sandy loam that extends to a depth of 50 inches or more. The C horizon has grayish brown redoximorphic features to a depth of 14 inches, olive gray redoximorphic features between depths of 14 and 26 inches, and gray redoximorphic features below 26 inches. The C horizon is massive or has a subangular blocky or granular structure.

### **Nassau Series (NAC)**

These are shallow, somewhat excessively drained soils formed in channery till derived from acid shale and slate. They are nearly level to very steep soils that overlie shale bedrock at depths of 10 to 20 inches. They are found on summits, shoulders, and backslopes of ridges and hills on glaciated uplands. Slopes range from 0 to 70 percent. The A horizon is dark brown channery silt loam with dry, weak fine granular structure to a depth of 3 inches. The B horizon is composed of a yellowish-

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brown very channery silt loam 13-inches thick with weak fine subangular blocky structure. The R horizon is hard brown and greenish gray folded shale interbedded with red and green shale.

### **Oakville Series (OKE, OaB & OaC)**

These are very deep and well drained or moderately well drained soils that were formed in water-sorted sand on glacial outwash plains, lake plains, and beach ridges. Slopes range from 0 to 35 percent. The A horizon is dark yellowish brown with a loamy fine sand texture and granular structure. The B horizon is yellowish brown loamy fine sand with subangular blocky structure. The C horizon is typically yellowish brown with a sand or loamy fine sand texture.

### **Orthents and Psamments (OP)**

This map unit consists of material dredge and pumped from the Hudson River and Champlain Barge Canal. The material is composed of a variable mixture of dominantly fine gravel and sand and some silt and clay.

### **Palms Series (Pm)**

These are very deep and very poorly drained soils formed in herbaceous organic materials 16 to 51 inches thick. They are found in the underlying loamy deposits in closed depressions on moraines, lake plains, till plains, outwash plains, hillside seep areas, and on backswamps of flood plains. Slopes range from 0 to 6 percent. The surface layer is black broken face and rubbed muck (sapric material), moderate medium granular structure, slightly sticky, about 20 to 25 percent mineral material, to a depth of 14 inches. Below this layer is a 14-inch layer of black, massive parting to weak coarse subangular blocky structure, slightly sticky, 10 to 20 percent mineral material. The following 7 inches is composed of black rubbed muck, massive, slightly sticky; 10 to 20 percent mineral material. From a depth of 35 to 80 inches is gray clay loam composed of massive, friable, common medium distinct dark yellowish-brown masses of oxidized iron in the matrix, neutral in upper part, slightly effervescent, and moderately alkaline in lower part.

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### **Palatine Series (PaB)**

These are moderately deep, well drained, and somewhat excessively drained soils formed in till with a high component of black, very dark brown, or very dark gray shale. They are nearly level to very steep soils on glacially modified, bedrock-controlled landforms. Shale bedrock is at depths of 20 to 40 inches. Slopes range from 0 to 60 percent. The A horizon is very dark grayish brown silt loam, dry, moderate medium granular structure to a depth of 11 inches. The B horizon is very dark grayish brown channery silt loam, weak medium and fine granular structure, extending to a depth of 18 inches. The C horizon is typically very dark grayish brown very channery silt loam, massive, friable, common roots, 50 percent rock fragments, mainly black shale arranged in bedding planes, and calcareous. The C horizon may extend to a depth of 28 inches. The R horizon is very dark grayish brown calcareous shale bedrock, few roots in within the upper part. The R horizon may be encountered at a minimum depth of 28 inches.

### **Pits, quarry (Ps)**

This soil unit consists of areas of bedrock that have been excavated for stone, mostly granite to be used for construction materials. These soils are somewhat excessively drained. The walls and floor of the quarry are typically rock. Areas of this unit are irregular in shape and range from about 5 to 70 acres. Most are smaller than 25 acres. Some parts of this unit, especially the steep banks, have little or no vegetation. These areas have sparse vegetation consisting of xerophytic plants. Other areas are covered with native species. The lack of soil material in the areas of this unit make the unit poorly suited to most uses. Use of the unit requires onsite investigation and evaluation.

### **Saco Series (Sa)**

These are very deep, very poorly drained soils formed in recent alluvium on floodplains. Slopes range from 0 to 2 percent. The A horizon is very dark grayish brown silt loam or very fine sandy loam, or their mucky analogs. It is massive or has weak granular structure. Strong brown and grayish brown redoximorphic features are present beginning at a depth of 10 inches. The C horizon is grayish brown or olive gray with a silt loam or very fine sandy loam texture above a depth of 40 inches and loamy fine sand to very gravelly coarse sand texture below 40 inches. The C horizon is massive or has weak structure.

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### **Saprists, Aquepts, and Aquepts (SB)**

These soils consist of low-lying, level deposits of organic and mineral soil material that is ponded with shallow water most of the year. They are mainly found around the edges of lakes and ponds.

### **Vergennes Series (VeB, VeC & VeD)**

These are very deep, moderately well drained soils formed in calcareous estuarine and glacio-lacustrine clays. They are on broad plains and on the tops and side-slopes of hills and ridges, with slopes ranging from 0 to 50 percent. The A horizon is generally dark grayish brown clay that has blocky structure. Occasionally, a clay, silty clay, silty clay loam, or silt loam E horizon is present. The B horizon is typically brown clay, with more dark grayish brown color with depth. The C horizon is generally clay with silt and silty clay varves.

### **Wallington Series (Wa)**

These are very deep, somewhat poorly drained soils formed in silty lacustrine deposits. Typically occurring on lake plains and silt-covered uplands. They are on lacustrine plains or basins that are nearly level or gently sloping soils that range from 0 to 8 percent slope. The A horizon is generally very dark grayish brown silt loam that has fine and medium granular structure. A pinkish gray silt loam is present in the E horizon. The B horizon is typically brown silt loam, with more dark brown grayish color with depth. The C horizon is generally very fine sandy loam.

## **5.0 SUMMARY**

Wetlands identified along the Project Corridor include shallow emergent marshes, deep emergent marshes, common reed/purple loosestrife marshes, scrub-shrub wetlands, and forested wetlands such as red maple-hardwood swamps and floodplain forests. Small ponds, artificial ditches, and watercourses, including small intermittent tributaries to the Champlain Canal, occur within the Project Corridor.

Land use in the Project Corridor is diverse, ranging from rural, agricultural, and forested areas to more developed hamlet residential landscapes. In general, because the Project Corridor is routed along existing railroad corridors and local roads, many wetlands within the Project Corridor are

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characterized by previous anthropogenic disturbance and/or the presence of invasive plant species. The Project Corridor is located along the edge between the disturbed railroad or road ROW and more natural vegetated wetland communities that are present adjacent to the railroad and highway rights-of-way. However, there are locations throughout where the corridor diverges from the railroad interface into undeveloped land, fields, etc., in order to accommodate many constraints such as required setbacks, utilities, and difficult terrain.

Confirmation of the wetland boundaries are the responsibility of the involved regulatory agencies with jurisdiction over wetlands and waterbodies within this Phase of the overall project. As previously noted, wetlands within Segment 3 Package 2 are regulated by USACE (Section 10/404) and NYSDEC (Article 24). Streams and other waterbodies are regulated by USACE (Section 10/404). Based on review of the NYSDEC wetland mapping, 5 delineated wetlands (CBZ, CGZ, GP2-D, P2-CA and G-R-RR) areas are identified as regulated under Article 24. These wetlands correspond to 2 mapped wetlands regulated by NYSDEC (FA-13 & HF-10). It is anticipated that USACE will take jurisdiction over all the wetlands delineated within the Project Corridor. Final jurisdictional determinations will be made by the respective agencies.

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## 6.0 REFERENCES

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- United States Army Corps of Engineers. 2012. *Regional Supplement to the Corps of Engineers Wetland Manual: Northcentral and Northeast Region (Version 2.0)*. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

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**ATTACHMENT 1**  
**WETLAND DETERMINATION DATA SHEETS AND**  
**WETLAND PHOTOGRAPHS**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CJJJ-2  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-37.13N Long: 73-25-48.48W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PEM1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CJJJ-2</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh - Cattail Marsh. Edinger classification: Shallow Emergent Marsh. |   |

## HYDROLOGY

|   |   |   |  |
|---|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |   | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | _____ Water-Stained Leaves (B9)                     | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)  | _____ Aquatic Fauna (B13)                           | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)  | _____ Marl Deposits (B15)                           | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)  | _____ Hydrogen Sulfide Odor (C1)                    | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)  | <u>X</u> Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)   | _____ Presence of Reduced Iron (C4)                 | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)   | _____ Recent Iron Reduction in Tilled Soils (C6)    | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)  | _____ Thin Muck Surface (C7)                        | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)   | _____ Other (Explain in Remarks)                    | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)   |   | _____ Microtopographic Relief (D4)                      |  |
|   |   | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |  |
| Remarks:  |   |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CJJJ-2

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species?   | Indicator Status |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|---------------------|------------------|--|-------------------|--------------|------------------------|------------------|------------------------|-----------------|----------------------|-----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>2</u>         | <u>No</u>           | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)<br><br><b>Prevalence Index worksheet:</b><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>100</u></td> <td>x 1 = <u>100</u></td> </tr> <tr> <td>FACW species <u>37</u></td> <td>x 2 = <u>74</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>142</u> (A)</td> <td><u>189</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>1.33</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>100</u> | x 1 = <u>100</u> | FACW species <u>37</u> | x 2 = <u>74</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>142</u> (A) | <u>189</u> (B) | Prevalence Index = B/A = <u>1.33</u> |  |
| Total % Cover of:                                    | Multiply by:     |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>100</u>                               | x 1 = <u>100</u> |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>37</u>                               | x 2 = <u>74</u>  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                                | x 4 = <u>0</u>   |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>142</u> (A)                        | <u>189</u> (B)   |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.33</u>                 |                  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|  | <u>2</u>         | <u>=Total Cover</u> |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>35</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Cornus racemosa</u>                            | <u>5</u>         | <u>No</u>           | <u>FAC</u>       |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|  | <u>40</u>        | <u>=Total Cover</u> |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Typha latifolia</u>                            | <u>95</u>        | <u>Yes</u>          | <u>OBL</u>       | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____   |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Lythrum salicaria</u>                          | <u>5</u>         | <u>No</u>           | <u>OBL</u>       |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|  | <u>100</u>       | <u>=Total Cover</u> |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                     |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|  | _____            | <u>=Total Cover</u> |                  |  |                   |              |                        |                  |                        |                 |                      |                 |                       |                |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CJJJ-2

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |    | Redox Features |    |                   |                  | Texture      | Remarks                        |
|-------------------|---------------|----|----------------|----|-------------------|------------------|--------------|--------------------------------|
|                   | Color (moist) | %  | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |              |                                |
| 0-3               | 10YR 2/1      | 80 | 10YR 5/3       | 20 | C                 | M                | Loamy/Clayey | Distinct redox concentrations  |
| 3-10              | N 4/          | 78 | 10YR 2/1       | 2  | C                 | M                | Loamy/Clayey | Distinct redox concentrations  |
|                   |               |    | 10YR 5/4       | 5  | C                 | M                |              | Prominent redox concentrations |
|                   |               |    | 10YR 4/6       | 15 | C                 | PL               |              | Prominent redox concentrations |
| 10-16             | N 4/          | 70 | 10YR 5/3       | 20 | C                 | M                | Loamy/Clayey | Prominent redox concentrations |
|                   |               |    | 10YR 4/4       | 10 | C                 | M                |              | Prominent redox concentrations |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |
|                   |               |    |                |    |                   |                  |              |                                |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☒ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☒ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present?

Yes ☒ No ☐

Remarks:

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CJJJ-9  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Convex Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-36.18N Long: 73-25-46.79W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psammments NWI classification: PEM1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CJJJ-9</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh - Common reed marsh. Edinger classification: Common Reed Marsh. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br><u>X</u> Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) <u>X</u> Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br><u>X</u> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>6</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CJJJ-9

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|-----------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>105</u></td> <td>x 2 = <u>210</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>3</u></td> <td>x 4 = <u>12</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>108</u> (A)</td> <td><u>222</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.06</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>105</u> | x 2 = <u>210</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>3</u> | x 4 = <u>12</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>108</u> (A) | <u>222</u> (B) | Prevalence Index = B/A = <u>2.06</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FACW species <u>105</u>                              | x 2 = <u>210</u> |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FACU species <u>3</u>                                | x 4 = <u>12</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>108</u> (A)                        | <u>222</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.06</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Phragmites australis</u>                       | <u>100</u>       | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>3</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CJJJ-9

[illegible]



**Wetland CJJJ-9 View facing northwest**



**Wetland CJJJ-9 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CJJJ-18  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-33.37N Long: 73-25-46.23W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CJJJ-18</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |  |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | _____ Water-Stained Leaves (B9)                  | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)  | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)  | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)  | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)  | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)   | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)   | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)  | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)   | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)   |  | _____ Microtopographic Relief (D4)                      |  |
|   |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>2</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:  |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CJJJ-18

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Populus deltoides</u>                          | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  |                  | <u>15</u>         | =Total Cover     | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>3</u></td> <td>x 1 = <u>3</u></td> </tr> <tr> <td>FACW species <u>100</u></td> <td>x 2 = <u>200</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>138</u> (A)</td> <td><u>333</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.41</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>3</u> | x 1 = <u>3</u> | FACW species <u>100</u> | x 2 = <u>200</u> | FAC species <u>10</u> | x 3 = <u>30</u> | FACU species <u>25</u> | x 4 = <u>100</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>138</u> (A) | <u>333</u> (B) | Prevalence Index = B/A = <u>2.41</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>3</u>                                 | x 1 = <u>3</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>100</u>                              | x 2 = <u>200</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>10</u>                                | x 3 = <u>30</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>25</u>                               | x 4 = <u>100</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>138</u> (A)                        | <u>333</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.41</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>70</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  |                  | <u>85</u>         | =Total Cover     | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Solidago gigantea</u>                          | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Cornus amomum</u>                              | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Symphyotrichum ericoides</u>                   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Cornus racemosa</u>                            | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Carex vulpinoidea</u>                          | <u>3</u>         | <u>No</u>         | <u>OBL</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  |                  | <u>33</u>         | =Total Cover     | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  |                  | <u>5</u>          | =Total Cover     | <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CJJJ-18

[illegible]



**Wetland CJJJ-18 View facing north**



**Wetland CJJJ-18 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CJJJ  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-34.87N Long: 73-25-46.44W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____  |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Old Field. Upland for CJJJ-2, CJJJ-9 and CJJJ-18. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ ? Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL CJJJ

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Populus deltoides</u>                    | 8                | Yes               | FAC              | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)<br><br><b>Prevalence Index worksheet:</b><br><table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 40%;">Total % Cover of:</th> <th style="width: 60%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>48</u></td> <td>x 3 = <u>144</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>40</u></td> <td>x 5 = <u>200</u></td> </tr> <tr> <td>Column Totals: <u>113</u> (A)</td> <td><u>444</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.93</u></td> </tr> </table>   | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>48</u> | x 3 = <u>144</u> | FACU species <u>25</u> | x 4 = <u>100</u> | UPL species <u>40</u> | x 5 = <u>200</u> | Column Totals: <u>113</u> (A) | <u>444</u> (B) | Prevalence Index = B/A = <u>3.93</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>48</u>                          | x 3 = <u>144</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>25</u>                         | x 4 = <u>100</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>40</u>                          | x 5 = <u>200</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>113</u> (A)                  | <u>444</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.93</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|  | 8                | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|  |                  | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Daucus carota</u>                        | 40               | Yes               | UPL              | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.<br><br><b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No <u>  </u> |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Setaria pumila</u>                       | 40               | Yes               | FAC              |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Lotus corniculatus</u>                   | 20               | No                | FACU             |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Symphyotrichum ericoides</u>             | 5                | No                | FACU             |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____                                      |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____                                      |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____                                      |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|  | 105              | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|  |                  | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point UPL CJJJ

[illegible]



**Upland CJJJ-2, CJJJ-9 and CJJJ-18 View facing north**



**Upland CJJJ-2, CJJJ-9 and CJJJ-18 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
Applicant/Owner: TDI State: NY Sampling Point: WET CKKK-5  
Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 5  
Subregion (LRR or MLRA): LRR R Lat: 43-28-28.40N Long: 73-25-48.08W Datum: WGS 84  
Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1  
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CKKK-5</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)<br><u>X</u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13)<br><u>X</u> Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br><u>X</u> Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br><u>X</u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators</u> (minimum of two required)<br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br><u>X</u> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>12</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CKKK-5

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species?   | Indicator Status |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|--|------------------|---------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|-----------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>30</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)<br><br><b>Prevalence Index worksheet:</b><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>130</u></td> <td>x 2 = <u>260</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>135</u> (A)</td> <td><u>280</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.07</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>130</u> | x 2 = <u>260</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>135</u> (A) | <u>280</u> (B) | Prevalence Index = B/A = <u>2.07</u> |  |
| Total % Cover of:                                    | Multiply by:     |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FACW species <u>130</u>                              | x 2 = <u>260</u> |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| FACU species <u>5</u>                                | x 4 = <u>20</u>  |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>135</u> (A)                        | <u>280</u> (B)   |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.07</u>                 |                  |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|  | <u>30</u>        | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>70</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>           | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|  | <u>75</u>        | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>15</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____   |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u>Onoclea sensibilis</u>                         | <u>15</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|  | <u>30</u>        | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                     |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |
|  | _____            | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                         |                  |                      |                |                       |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point WET CKKK-5

[illegible]



**Wetland CKKK-5 View facing south**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Whitehall / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPLCKKK-5  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 40  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-28.51N Long: 73-25-48.32W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psammets NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>  | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Shrubland. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CKKK-5

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
|  |                  |                   | =Total Cover     | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>130</u></td> <td>x 4 = <u>520</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>150</u> (A)</td> <td><u>600</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.00</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>10</u> | x 3 = <u>30</u> | FACU species <u>130</u> | x 4 = <u>520</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>150</u> (A) | <u>600</u> (B) | Prevalence Index = B/A = <u>4.00</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>10</u>                                | x 3 = <u>30</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>130</u>                              | x 4 = <u>520</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>                                | x 5 = <u>50</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>150</u> (A)                        | <u>600</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.00</u>                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Lonicera morrowii</u>                          | <u>65</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Rhus typhina</u>                               | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
|  |                  |                   | =Total Cover     |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Solidago canadensis</u>                        | <u>40</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Rubus allegheniensis</u>                       | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Thelypteris noveboracensis</u>                 | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Symphyotrichum ericoides</u>                   | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
|  |                  |                   | =Total Cover     |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |
|  |                  |                   | =Total Cover     |   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                       |                 |                               |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
2 - Dominance Test is >50%  
3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
         Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes               No   X

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CKKK-5

[illegible]



**Upland CKKK-5 View facing east**



**Upland CKKK-5 Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
Applicant/Owner: TDI State: NY Sampling Point: WET CLLL-2  
Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 5  
Subregion (LRR or MLRA): LRR R Lat: 43-28-19.00N Long: 73-25-56.01W Datum: WGS 84  
Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1  
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CLLL-2</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

### HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)<br><u>X</u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13)<br><u>X</u> Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br><u>X</u> Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br><u>X</u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators</u> (minimum of two required)<br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br><u>X</u> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>3</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CLLL-2

| Tree Stratum (Plot size: <u>30'</u> )                 | Absolute % Cover   | Dominant Species? | Indicator Status |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
|---|--------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|------------------------|------------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|--------------------------|--------------------|--------------------------------------|--|
| 1. _____  | _____              | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)<br><br><b>Prevalence Index worksheet:</b><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>96</u></td> <td>x 2 = <u>192</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>96</u></td> <td>(A) <u>192</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.00</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>96</u> | x 2 = <u>192</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>96</u> | (A) <u>192</u> (B) | Prevalence Index = B/A = <u>2.00</u> |  |
| Total % Cover of:                                     | Multiply by:       |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| OBL species <u>0</u>                                  | x 1 = <u>0</u>     |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| FACW species <u>96</u>                                | x 2 = <u>192</u>   |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| FAC species <u>0</u>                                  | x 3 = <u>0</u>     |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| FACU species <u>0</u>                                 | x 4 = <u>0</u>     |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| UPL species <u>0</u>                                  | x 5 = <u>0</u>     |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| Column Totals: <u>96</u>                              | (A) <u>192</u> (B) |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| Prevalence Index = B/A = <u>2.00</u>                  |                    |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 2. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 5. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 6. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 7. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
|   |                    | =Total Cover      |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                    |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 1. <u>Cornus sericea</u>                              | <u>80</u>          | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 2. <u>Fraxinus pennsylvanica</u>                      | <u>5</u>           | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 5. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 6. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 7. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
|   |                    | =Total Cover      |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                    |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 1. <u>Cornus sericea</u>                              | <u>10</u>          | <u>Yes</u>        | <u>FACW</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____  |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 2. <u>Verbena hastata</u>                             | <u>1</u>           | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 5. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 6. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 7. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 8. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 9. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 10. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 11. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 12. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
|   |                    | =Total Cover      |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30'</u> )    |                    |                   |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 1. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 2. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |
|   |                    | =Total Cover      |                  |   |                   |              |                      |                |                        |                  |                      |                |                       |                |                      |                |                          |                    |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point WET CLLL-2

[illegible]



**Wetland CLLL-2 View facing southwest**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CLLL-2  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 35  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-18.98N Long: 73-25-55.75W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psammets NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                     | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>  |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL CLLL-2

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|-----------------------|-----------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>65</u></td> <td>x 3 = <u>195</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>35</u></td> <td>x 5 = <u>175</u></td> </tr> <tr> <td>Column Totals: <u>105</u> (A)</td> <td><u>390</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.71</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>65</u> | x 3 = <u>195</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>35</u> | x 5 = <u>175</u> | Column Totals: <u>105</u> (A) | <u>390</u> (B) | Prevalence Index = B/A = <u>3.71</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FAC species <u>65</u>                          | x 3 = <u>195</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FACU species <u>5</u>                          | x 4 = <u>20</u>  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| UPL species <u>35</u>                          | x 5 = <u>175</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Column Totals: <u>105</u> (A)                  | <u>390</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.71</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                       | <u>65</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. <u>Pastinaca sativa</u>                     | <u>35</u>        | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 100 =Total Cover                               |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                     | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5 =Total Cover                                 |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CLLL-2

[illegible]



**Upland CLLL-2 View facing north/northeast**



**Upland CLLL-2 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CMMM-1  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-4.96N Long: 73-26-8.13W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CMMM-1</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)  | <u>X</u> Water-Stained Leaves (B9)               | _____ Surface Soil Cracks (B6)                          |  |
| _____ High Water Table (A2)  | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)   | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)   | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| <u>X</u> Sediment Deposits (B2)  | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)  | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)  | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)   | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)  | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| <u>X</u> Sparsely Vegetated Concave Surface (B8)   |  | _____ Microtopographic Relief (D4)                      |  |
|  |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>4</u><br>Water Table Present? Yes _____ No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CMMM-1

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|-----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>110</u></td> <td>x 2 = <u>220</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>115</u> (A)</td> <td><u>235</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.04</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>110</u> | x 2 = <u>220</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>115</u> (A) | <u>235</u> (B) | Prevalence Index = B/A = <u>2.04</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>110</u>                              | x 2 = <u>220</u> |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                                | x 4 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>115</u> (A)                        | <u>235</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.04</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>80</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Fraxinus pennsylvanica</u>                     | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Equisetum arvense</u>                          | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                         |                  |                      |                 |                       |                |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CMMM-1

[illegible]



**Wetland CMMM-1 View facing northwest**



**Wetland CMMM-1 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CMMM-1  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 35  
 Subregion (LRR or MLRA): LRR R Lat: 43-28-4.84N Long: 73-26-8.09W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psammets NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                     | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>  |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL CMMM-1

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|-----------------------|-----------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>65</u></td> <td>x 3 = <u>195</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>35</u></td> <td>x 5 = <u>175</u></td> </tr> <tr> <td>Column Totals: <u>105</u> (A)</td> <td><u>390</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.71</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>65</u> | x 3 = <u>195</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>35</u> | x 5 = <u>175</u> | Column Totals: <u>105</u> (A) | <u>390</u> (B) | Prevalence Index = B/A = <u>3.71</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FAC species <u>65</u>                          | x 3 = <u>195</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| FACU species <u>5</u>                          | x 4 = <u>20</u>  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| UPL species <u>35</u>                          | x 5 = <u>175</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Column Totals: <u>105</u> (A)                  | <u>390</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.71</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                       | <u>65</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. <u>Pastinaca sativa</u>                     | <u>35</u>        | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 100 =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                     | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| 5 =Total Cover                                 |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>        </u> No <u>  X  </u>   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CMMM-1

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|---------|---------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |         |
| 0-6               | 10YR 3/1      | 100 |                |   |                   |                  | Sandy   |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_ Rock \_\_\_\_\_  
Depth (inches): \_\_\_\_\_ 6 \_\_\_\_\_

**Hydric Soil Present?** Yes \_\_\_\_\_ No X

Remarks:



**Upland CMMM-1 and CNNN-1 View facing southwest**



**Upland CMMM-1 and CNNN-1 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CXXX-1  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-55.68N Long: 73-26-16.96W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CXXX-1</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Etinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CANN-1

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species?   | Indicator Status |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|---------------------|------------------|---|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>               | <u>20</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>20</u>        | <u>=Total Cover</u> |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>105</u></td> <td>x 2 = <u>210</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>12</u></td> <td>x 4 = <u>48</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>122</u> (A)</td> <td><u>263</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.16</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>105</u> | x 2 = <u>210</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>12</u> | x 4 = <u>48</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>122</u> (A) | <u>263</u> (B) | Prevalence Index = B/A = <u>2.16</u> |  |
| Total % Cover of:                              | Multiply by:     |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>5</u>                           | x 1 = <u>5</u>   |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>105</u>                        | x 2 = <u>210</u> |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                           | x 3 = <u>0</u>   |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>12</u>                         | x 4 = <u>48</u>  |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                           | x 5 = <u>0</u>   |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>122</u> (A)                  | <u>263</u> (B)   |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.16</u>           |                  |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                       | <u>40</u>        | <u>Yes</u>          | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Alnus incana</u>                         | <u>30</u>        | <u>Yes</u>          | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                    | <u>5</u>         | <u>No</u>           | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>75</u>        | <u>=Total Cover</u> |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Solidago gigantea</u>                    | <u>10</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Lythrum salicaria</u>                    | <u>5</u>         | <u>Yes</u>          | <u>OBL</u>       |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Cornus sericea</u>                       | <u>5</u>         | <u>Yes</u>          | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Lonicera morrowii</u>                    | <u>5</u>         | <u>Yes</u>          | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____                                      | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____                                      | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____                                      | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>25</u>        | <u>=Total Cover</u> |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                     |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                     | <u>2</u>         | <u>No</u>           | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____               | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>2</u>         | <u>=Total Cover</u> |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CNNN-1

[illegible]



**Wetland CNNN-1 View facing south**



**Wetland CNNN-1 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CENN-1  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 30  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-55.79N Long: 73-26-17.22W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psammets NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                     | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>  |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside |   |

## HYDROLOGY

|  |   |   |  |
|--|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u>   |   | <u>Secondary Indicators (minimum of two required)</u>   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input type="checkbox"/> High Water Table (A2)<br><input type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)   |   | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |   |  |
| Remarks:   |   |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CNNN-1

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>45</u></td> <td>x 3 = <u>135</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>25</u></td> <td>x 5 = <u>125</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>380</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.80</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>45</u> | x 3 = <u>135</u> | FACU species <u>30</u> | x 4 = <u>120</u> | UPL species <u>25</u> | x 5 = <u>125</u> | Column Totals: <u>100</u> (A) | <u>380</u> (B) | Prevalence Index = B/A = <u>3.80</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>45</u>                                | x 3 = <u>135</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>30</u>                               | x 4 = <u>120</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>25</u>                                | x 5 = <u>125</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                        | <u>380</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.80</u>                 |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                             | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Plantago lanceolata</u>                        | <u>30</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Rubia peregrina</u>                            | <u>15</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Pastinaca sativa</u>                           | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CANN-1

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|---------|---------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |         |
| 0-6               | 10YR 2/1      | 100 |                |   |                   |                  | Sandy   |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |
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|                   |               |     |                |   |                   |                  |         |         |
|                   |               |     |                |   |                   |                  |         |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_ Rock \_\_\_\_\_  
Depth (inches): \_\_\_\_\_ 6 \_\_\_\_\_

**Hydric Soil Present?** Yes \_\_\_\_\_ No X

Remarks:

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET COOO-20  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-39.98N Long: 73-26-26.82W Datum: WGS 84  
 Soil Map Unit Name: SB - Sapristis, Aquepts, and Aquents NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag COOO-20</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Etinger classification: Shrub Swamp. |  |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | <u>X</u> Water-Stained Leaves (B9)                       | <u>      </u> Surface Soil Cracks (B6)                  |  |
| <u>X</u> High Water Table (A2)  | <u>      </u> Aquatic Fauna (B13)                        | <u>      </u> Drainage Patterns (B10)                   |  |
| <u>X</u> Saturation (A3)  | <u>      </u> Marl Deposits (B15)                        | <u>      </u> Moss Trim Lines (B16)                     |  |
| <u>      </u> Water Marks (B1)  | <u>X</u> Hydrogen Sulfide Odor (C1)                      | <u>      </u> Dry-Season Water Table (C2)               |  |
| <u>X</u> Sediment Deposits (B2)   | <u>X</u> Oxidized Rhizospheres on Living Roots (C3)      | <u>      </u> Crayfish Burrows (C8)                     |  |
| <u>      </u> Drift Deposits (B3)   | <u>      </u> Presence of Reduced Iron (C4)              | <u>      </u> Saturation Visible on Aerial Imagery (C9) |  |
| <u>      </u> Algal Mat or Crust (B4)   | <u>      </u> Recent Iron Reduction in Tilled Soils (C6) | <u>X</u> Stunted or Stressed Plants (D1)                |  |
| <u>      </u> Iron Deposits (B5)  | <u>      </u> Thin Muck Surface (C7)                     | <u>      </u> Geomorphic Position (D2)                  |  |
| <u>      </u> Inundation Visible on Aerial Imagery (B7)   | <u>      </u> Other (Explain in Remarks)                 | <u>      </u> Shallow Aquitard (D3)                     |  |
| <u>      </u> Sparsely Vegetated Concave Surface (B8)   |  | <u>      </u> Microtopographic Relief (D4)              |  |
|   |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:  |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET COOO-2C

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species?   | Indicator Status |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|---------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|----------------------|-----------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>40</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>87.5%</u> (A/B)  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>40</u>        | <u>=Total Cover</u> |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>13</u></td> <td>x 1 = <u>13</u></td> </tr> <tr> <td>FACW species <u>130</u></td> <td>x 2 = <u>260</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>10</u></td> <td>x 4 = <u>40</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>158</u> (A)</td> <td><u>328</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.08</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>13</u> | x 1 = <u>13</u> | FACW species <u>130</u> | x 2 = <u>260</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>10</u> | x 4 = <u>40</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>158</u> (A) | <u>328</u> (B) | Prevalence Index = B/A = <u>2.08</u> |  |
| Total % Cover of:                                    | Multiply by:     |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>13</u>                                | x 1 = <u>13</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>130</u>                              | x 2 = <u>260</u> |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>10</u>                               | x 4 = <u>40</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>158</u> (A)                        | <u>328</u> (B)   |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.08</u>                 |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>40</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Alnus incana</u>                               | <u>40</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>           | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Viburnum trilobum</u>                          | <u>5</u>         | <u>No</u>           | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>90</u>        | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Carex lacustris</u>                            | <u>8</u>         | <u>Yes</u>          | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>5</u>         | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Equisetum arvense</u>                          | <u>5</u>         | <u>Yes</u>          | <u>FAC</u>       |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Lythrum salicaria</u>                          | <u>5</u>         | <u>Yes</u>          | <u>OBL</u>       |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>23</u>        | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>          | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|  | <u>5</u>         | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET COOO-20

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |    | Redox Features |    |                   |                  | Texture         | Remarks                        |
|-------------------|---------------|----|----------------|----|-------------------|------------------|-----------------|--------------------------------|
|                   | Color (moist) | %  | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |                 |                                |
| 0-5               | 10YR 2/1      | 93 | 10YR 4/3       | 5  | C                 | M                | Loamy/Clayey    | Distinct redox concentrations  |
|                   |               |    | 10YR 3/6       | 2  | C                 | PL               |                 | Prominent redox concentrations |
| 5-17              | N 4/          | 60 | 10YR 4/3       | 15 | C                 | M                | Mucky Loam/Clay | Prominent redox concentrations |
|                   |               |    | 10YR 4/4       | 25 | C                 | M                |                 | Prominent redox concentrations |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
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|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |
|                   |               |    |                |    |                   |                  |                 |                                |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

|   |  |
|---|--|
| <input type="checkbox"/> Histosol (A1)                      | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2)               | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)       |
| <input type="checkbox"/> Black Histic (A3)                  | <input type="checkbox"/> High Chroma Sands (S11) (LRR K, L)              |
| <input checked="" type="checkbox"/> X Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)             |
| <input type="checkbox"/> Stratified Layers (A5)             | <input checked="" type="checkbox"/> X Loamy Gleyed Matrix (F2)           |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)  | <input type="checkbox"/> Depleted Matrix (F3)                            |
| <input type="checkbox"/> Thick Dark Surface (A12)           | <input checked="" type="checkbox"/> X Redox Dark Surface (F6)            |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)           | <input type="checkbox"/> Depleted Dark Surface (F7)                      |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)           | <input type="checkbox"/> Redox Depressions (F8)                          |
| <input type="checkbox"/> Sandy Redox (S5)                   | <input type="checkbox"/> Marl (F10) (LRR K, L)                           |
| <input type="checkbox"/> Stripped Matrix (S6)               |  |
| <input type="checkbox"/> Dark Surface (S7)                  |  |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

|  |
|--|
| <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B)       |
| <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)     |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  |
| <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L)     |
| <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L)           |
| <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)   |
| <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) |
| <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B)   |
| <input type="checkbox"/> Red Parent Material (F21)                   |
| <input type="checkbox"/> Very Shallow Dark Surface (F22)             |
| <input type="checkbox"/> Other (Explain in Remarks)                  |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soil Present?**Yes ☒ No ☐

Remarks:



**Wetland COOO-20 View facing south**



**Wetland COOO-20 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 35  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-41.66N Long: 73-26-26.65W Datum: WGS 84  
 Soil Map Unit Name: SB - Sapristis, Aquepts, and Aquepts NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u><br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area</b><br><b>within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. Upland for COOO-20, CPPP-10, CPPP-11 and CQQQ-4.             |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |
| Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>410</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.10</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>90</u> | x 4 = <u>360</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>100</u> (A) | <u>410</u> (B) | Prevalence Index = B/A = <u>4.10</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>0</u>                           | x 3 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>90</u>                         | x 4 = <u>360</u> |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>                          | x 5 = <u>50</u>  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                  | <u>410</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.10</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Poa pratensis</u>                        | <u>70</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Plantago lanceolata</u>                  | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Rubia peregrina</u>                      | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Lotus corniculatus</u>                   | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL

[illegible]



**Upland COOO-20, CPPP-10, CPPP-11, CQQQ-4, and CRRR-7 View facing north**



**Upland COOO-20, CPPP-10, CPPP-11, CQQQ-4, and CRRR-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CPPP-10  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-40.19N Long: 73-26-27.86W Datum: WGS 84  
 Soil Map Unit Name: SB - Sapristis, Aquepts, and Aquepts NWI classification: PEM1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CPPP-10</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh - Cattail Marsh. Edinger classification: Shallow Emergent Marsh. |  |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)  | _____ Water-Stained Leaves (B9)                  | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)   | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)   | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)   | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)   | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)  | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)  | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)   | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)  | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)  |  | _____ Microtopographic Relief (D4)                      |  |
|  |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>12</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CPPP-10

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|-----------------------|-----------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>98</u></td> <td>x 1 = <u>98</u></td> </tr> <tr> <td>FACW species <u>8</u></td> <td>x 2 = <u>16</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>106</u> (A)</td> <td><u>114</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.08</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>98</u> | x 1 = <u>98</u> | FACW species <u>8</u> | x 2 = <u>16</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>106</u> (A) | <u>114</u> (B) | Prevalence Index = B/A = <u>1.08</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>98</u>                                | x 1 = <u>98</u>  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>8</u>                                | x 2 = <u>16</u>  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                                | x 4 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>106</u> (A)                        | <u>114</u> (B)   |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.08</u>                 |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>6</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Typha latifolia</u>                            | <u>90</u>        | <u>Yes</u>        | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Sparganium americanum</u>                      | <u>8</u>         | <u>No</u>         | <u>OBL</u>       |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Onoclea sensibilis</u>                         | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                       |                 |                      |                |                       |                |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CPPP-10

[illegible]



**Wetland CPPP-10 View facing north/northwest**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CPPP-11  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-37.50N Long: 73-26-28.33W Datum: WGS 84  
 Soil Map Unit Name: OP - Orthents and Psamments NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CPPP-11</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |  |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)  | <u>X</u> Water-Stained Leaves (B9)               | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)   | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)   | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)   | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)   | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)  | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)  | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)   | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)  | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)  |  | _____ Microtopographic Relief (D4)                      |  |
|  |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>12</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CPPP-11

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>110</u></td> <td>x 2 = <u>220</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>115</u> (A)</td> <td><u>225</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.96</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>110</u> | x 2 = <u>220</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>115</u> (A) | <u>225</u> (B) | Prevalence Index = B/A = <u>1.96</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>5</u>                                 | x 1 = <u>5</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>110</u>                              | x 2 = <u>220</u> |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                                | x 4 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>115</u> (A)                        | <u>225</u> (B)   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.96</u>                 |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>70</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Alnus incana</u>                               | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                         | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Carex stricta</u>                              | <u>5</u>         | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
     1 - Rapid Test for Hydrophytic Vegetation  
  X   2 - Dominance Test is >50%  
  X   3 - Prevalence Index is ≤3.0<sup>1</sup>  
     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes   X        No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CPPP-11

[illegible]



**Wetland CPPP-11 View facing south**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CQQQ-4  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-29.04N Long: 73-26-29.50W Datum: WGS 84  
 Soil Map Unit Name: SB - Sapristis, Aquepts, and Aquepts NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CQQQ-4</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input checked="" type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: WET CQQQ-4

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>145</u></td> <td>x 2 = <u>290</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>12</u></td> <td>x 4 = <u>48</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>157</u> (A)</td> <td><u>338</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.15</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>145</u> | x 2 = <u>290</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>12</u> | x 4 = <u>48</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>157</u> (A) | <u>338</u> (B) | Prevalence Index = B/A = <u>2.15</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>145</u>                              | x 2 = <u>290</u> |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>12</u>                               | x 4 = <u>48</u>  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>157</u> (A)                        | <u>338</u> (B)   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.15</u>                 |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Alnus incana</u>                               | <u>90</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                         | <u>50</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                        |                 |                      |                |                               |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
       Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CQQQ-4

[illegible]



**Wetland CQQQ-4 View facing west**



**Wetland CQQQ-4 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CRRR-7  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-27.20N Long: 73-26-30.02W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CRRR-7</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)  | <u>X</u> Water-Stained Leaves (B9)               | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)   | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)   | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)   | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| <u>X</u> Sediment Deposits (B2)  | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)  | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)  | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)   | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7)  | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| <u>X</u> Sparsely Vegetated Concave Surface (B8)   |  | _____ Microtopographic Relief (D4)                      |  |
|  |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>12</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CRRR-7

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|------------------------|------------------|----------------------|----------------|-----------------------|-----------------|----------------------|----------------|------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>85</u></td> <td>x 2 = <u>170</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>95</u> (A)</td> <td><u>195</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.05</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>85</u> | x 2 = <u>170</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>95</u> (A) | <u>195</u> (B) | Prevalence Index = B/A = <u>2.05</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| OBL species <u>5</u>                                 | x 1 = <u>5</u>   |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| FACW species <u>85</u>                               | x 2 = <u>170</u> |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| FAC species <u>0</u>                                 | x 3 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| FACU species <u>5</u>                                | x 4 = <u>20</u>  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| Column Totals: <u>95</u> (A)                         | <u>195</u> (B)   |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| Prevalence Index = B/A = <u>2.05</u>                 |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 1. <u>Alnus incana</u>                               | <u>75</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 1. <u>Carex stricta</u>                              | <u>5</u>         | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                  |                      |                |                       |                 |                      |                |                              |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CRRR-7

[illegible]



**Wetland CRRR-7 View facing north**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CRRR-7  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 20  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-26.97N Long: 73-26-29.85W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CRRR-7

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>410</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.10</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>90</u> | x 4 = <u>360</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>100</u> (A) | <u>410</u> (B) | Prevalence Index = B/A = <u>4.10</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>0</u>                           | x 3 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>90</u>                         | x 4 = <u>360</u> |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>                          | x 5 = <u>50</u>  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                  | <u>410</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.10</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Poa pratensis</u>                        | <u>70</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Plantago lanceolata</u>                  | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Rubia peregrina</u>                      | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Lotus corniculatus</u>                   | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CRRR-7

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) |               |     |                |   |                   |                  |         |         |
|---|---------------|-----|----------------|---|-------------------|------------------|---------|---------|
| Depth<br>(inches)   | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks |
|   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |         |
| 0-4   | 10YR 3/1      | 100 |                |   |                   |                  | Sandy   |         |
| 4-7   | 10YR 4/2      | 100 |                |   |                   |                  | Sandy   |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |
|   |               |     |                |   |                   |                  |         |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

|  |                          |   |  |  |  |   |  |  |
|--|--------------------------|---|--|--|--|---|--|--|
| <b>Hydric Soil Indicators:</b>                             |                          |   |  |  |  | <b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b> |  |  |
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> | Polyvalue Below Surface (S8) ( <b>LRR R,</b>      | <input type="checkbox"/> 2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B)</b>       |  |  |   |  |  |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> | <b>MLRA 149B)</b>                                 | <input type="checkbox"/> Coast Prairie Redox (A16) ( <b>LRR K, L, R)</b>     |  |  |   |  |  |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> | Thin Dark Surface (S9) ( <b>LRR R, MLRA 149B)</b> | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) ( <b>LRR K, L, R)</b>  |  |  |   |  |  |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> | High Chroma Sands (S11) ( <b>LRR K, L)</b>        | <input type="checkbox"/> Polyvalue Below Surface (S8) ( <b>LRR K, L)</b>     |  |  |   |  |  |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> | Loamy Mucky Mineral (F1) ( <b>LRR K, L)</b>       | <input type="checkbox"/> Thin Dark Surface (S9) ( <b>LRR K, L)</b>           |  |  |   |  |  |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> | Loamy Gleyed Matrix (F2)                          | <input type="checkbox"/> Iron-Manganese Masses (F12) ( <b>LRR K, L, R)</b>   |  |  |   |  |  |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> | Depleted Matrix (F3)                              | <input type="checkbox"/> Piedmont Floodplain Soils (F19) ( <b>MLRA 149B)</b> |  |  |   |  |  |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> | Redox Dark Surface (F6)                           | <input type="checkbox"/> Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B)</b>   |  |  |   |  |  |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          | <input type="checkbox"/> | Depleted Dark Surface (F7)                        | <input type="checkbox"/> Red Parent Material (F21)                           |  |  |   |  |  |
| <input type="checkbox"/> Sandy Redox (S5)                  | <input type="checkbox"/> | Redox Depressions (F8)                            | <input type="checkbox"/> Very Shallow Dark Surface (F22)                     |  |  |   |  |  |
| <input type="checkbox"/> Stripped Matrix (S6)              | <input type="checkbox"/> | Marl (F10) ( <b>LRR K, L)</b>                     | <input type="checkbox"/> Other (Explain in Remarks)                          |  |  |   |  |  |
| <input type="checkbox"/> Dark Surface (S7)                 |                          |   |  |  |  |   |  |  |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

|   |  |                             |                   |
|---|--|-----------------------------|-------------------|
| <b>Restrictive Layer (if observed):</b> |  |                             |                   |
| Type: _____ Rock                        |  |                             |                   |
| Depth (inches): _____ 7                 |  | <b>Hydric Soil Present?</b> | Yes ____ No __X__ |
| Remarks:<br><br>                        |  |                             |                   |



**Upland CRRR-7 View facing north**



**Upland CRRR-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CSSS-7  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-24.17N Long: 73-26-31.35W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CSSS-7</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Efinger classification: Shrub Swamp. |   |

## HYDROLOGY

|   |   |  |
|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |   | <u>Secondary Indicators</u> (minimum of two required)  |
| <input checked="" type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>3</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   |   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |  |
| Remarks:  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CSSS-7

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|-----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Salix alba</u>                                 | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Acer rubrum</u>                                | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|  |                  | <u>25</u>         | =Total Cover     | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>45</u></td> <td>x 1 = <u>45</u></td> </tr> <tr> <td>FACW species <u>110</u></td> <td>x 2 = <u>220</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>165</u> (A)</td> <td><u>295</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>1.79</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>45</u> | x 1 = <u>45</u> | FACW species <u>110</u> | x 2 = <u>220</u> | FAC species <u>10</u> | x 3 = <u>30</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>165</u> (A) | <u>295</u> (B) | Prevalence Index = B/A = <u>1.79</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>45</u>                                | x 1 = <u>45</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>110</u>                              | x 2 = <u>220</u> |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>10</u>                                | x 3 = <u>30</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                                | x 4 = <u>0</u>   |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>165</u> (A)                        | <u>295</u> (B)   |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.79</u>                 |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Alnus incana</u>                               | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Cornus amomum</u>                              | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|  |                  | <u>80</u>         | =Total Cover     | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Sparganium americanum</u>                      | <u>30</u>        | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Carex stricta</u>                              | <u>8</u>         | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Onoclea sensibilis</u>                         | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. <u>Phragmites australis</u>                       | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. <u>Lythrum salicaria</u>                          | <u>5</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. <u>Typha latifolia</u>                            | <u>2</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|  |                  | <u>60</u>         | =Total Cover     | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|  |                  | _____             | =Total Cover     | <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____  |                   |              |                       |                 |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CSSS-7

[illegible]



**Wetland CSSS-7 View facing south**



**Wetland CSSS-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/15/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPLCSSS-7  
 Investigator(s): J. Greaves, C. Scrivner Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Slight Hillslope Local relief (concave, convex, none): Convex Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-24.20N Long: 73-26-31.02W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>  | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Shrubland. |   |

## HYDROLOGY

|  |   |   |  |
|--|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u>   |   | <u>Secondary Indicators (minimum of two required)</u>   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input type="checkbox"/> High Water Table (A2)<br><input type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)   |   | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |   |  |
| Remarks:   |   |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CSSS-7

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species?   | Indicator Status |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
|--|------------------|---------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|-------------------------|------------------|----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Populus tremuloides</u>                        | <u>25</u>        | <u>Yes</u>          | <u>FACU</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
|  | <u>25</u>        | <u>=Total Cover</u> |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>130</u></td> <td>x 4 = <u>520</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>160</u> (A)</td> <td><u>620</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.88</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>25</u> | x 3 = <u>75</u> | FACU species <u>130</u> | x 4 = <u>520</u> | UPL species <u>5</u> | x 5 = <u>25</u> | Column Totals: <u>160</u> (A) | <u>620</u> (B) | Prevalence Index = B/A = <u>3.88</u> |  |
| Total % Cover of:                                    | Multiply by:     |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| FAC species <u>25</u>                                | x 3 = <u>75</u>  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| FACU species <u>130</u>                              | x 4 = <u>520</u> |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| UPL species <u>5</u>                                 | x 5 = <u>25</u>  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| Column Totals: <u>160</u> (A)                        | <u>620</u> (B)   |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.88</u>                 |                  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 1. <u>Populus tremuloides</u>                        | <u>35</u>        | <u>Yes</u>          | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 2. <u>Cornus racemosa</u>                            | <u>20</u>        | <u>Yes</u>          | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 3. <u>Pinus strobus</u>                              | <u>10</u>        | <u>No</u>           | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
|  | <u>65</u>        | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 1. <u>Solidago canadensis</u>                        | <u>40</u>        | <u>Yes</u>          | <u>FACU</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 2. <u>Poa pratensis</u>                              | <u>10</u>        | <u>No</u>           | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 3. <u>Setaria pumila</u>                             | <u>5</u>         | <u>No</u>           | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 4. <u>Rubia peregrina</u>                            | <u>5</u>         | <u>No</u>           | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 5. <u>Lolium pratense</u>                            | <u>5</u>         | <u>No</u>           | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
|  | <u>65</u>        | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                     |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>          | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |
|  | <u>5</u>         | <u>=Total Cover</u> |                  |  |                   |              |                      |                |                       |                |                       |                 |                         |                  |                      |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CSSS-7

[illegible]



**Upland CSSS-7 View facing east/southeast**



**Upland CSSS-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CTTT-16  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-17.60N Long: 73-26-35.54W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PFO1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CTTT-16</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Forested Wetland. Efinger classification: Red-maple Hardwood Swamp. |  |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | <u>X</u> Water-Stained Leaves (B9)                       | <u>      </u> Surface Soil Cracks (B6)                  |  |
| <u>X</u> High Water Table (A2)  | <u>      </u> Aquatic Fauna (B13)                        | <u>X</u> Drainage Patterns (B10)                        |  |
| <u>X</u> Saturation (A3)  | <u>      </u> Marl Deposits (B15)                        | <u>X</u> Moss Trim Lines (B16)                          |  |
| <u>      </u> Water Marks (B1)  | <u>      </u> Hydrogen Sulfide Odor (C1)                 | <u>      </u> Dry-Season Water Table (C2)               |  |
| <u>      </u> Sediment Deposits (B2)  | <u>      </u> Oxidized Rhizospheres on Living Roots (C3) | <u>X</u> Saturation Visible on Aerial Imagery (C9)      |  |
| <u>      </u> Drift Deposits (B3)   | <u>      </u> Presence of Reduced Iron (C4)              | <u>      </u> Stunted or Stressed Plants (D1)           |  |
| <u>      </u> Algal Mat or Crust (B4)   | <u>      </u> Recent Iron Reduction in Tilled Soils (C6) | <u>X</u> Geomorphic Position (D2)                       |  |
| <u>      </u> Iron Deposits (B5)  | <u>      </u> Thin Muck Surface (C7)                     | <u>X</u> Shallow Aquitard (D3)                          |  |
| <u>X</u> Inundation Visible on Aerial Imagery (B7)  | <u>      </u> Other (Explain in Remarks)                 | <u>      </u> Microtopographic Relief (D4)              |  |
| <u>      </u> Sparsely Vegetated Concave Surface (B8)   |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>3</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>3</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:  |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CTTT-16

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|------------------------|------------------|-----------------------|------------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Populus deltoides</u>                          | <u>40</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>9</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>77.8%</u> (A/B)  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>35</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Acer rubrum</u>                                | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <u>85</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>85</u></td> <td>x 2 = <u>170</u></td> </tr> <tr> <td>FAC species <u>70</u></td> <td>x 3 = <u>210</u></td> </tr> <tr> <td>FACU species <u>27</u></td> <td>x 4 = <u>108</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>212</u> (A)</td> <td><u>558</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.63</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>20</u> | x 1 = <u>20</u> | FACW species <u>85</u> | x 2 = <u>170</u> | FAC species <u>70</u> | x 3 = <u>210</u> | FACU species <u>27</u> | x 4 = <u>108</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>212</u> (A) | <u>558</u> (B) | Prevalence Index = B/A = <u>2.63</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>20</u>                                | x 1 = <u>20</u>  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>85</u>                               | x 2 = <u>170</u> |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>70</u>                                | x 3 = <u>210</u> |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>27</u>                               | x 4 = <u>108</u> |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>                                | x 5 = <u>50</u>  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>212</u> (A)                        | <u>558</u> (B)   |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.63</u>                 |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Fraxinus pennsylvanica</u>                     | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Cornus racemosa</u>                            | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Cornus sericea</u>                             | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <u>75</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Equisetum arvense</u>                          | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Carex stricta</u>                              | <u>10</u>        | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Carex bebbii</u>                               | <u>10</u>        | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Rubus occidentalis</u>                         | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Cornus amomum</u>                              | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. <u>Rubia peregrina</u>                            | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. <u>Symphyotrichum ericoides</u>                   | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <u>47</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <u>5</u> =Total Cover                                |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CTTT-16

[illegible]



**Wetland CTTT-16 View facing west**



**Wetland CTTT-16 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CTTT-16  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Slight Hillslope Local relief (concave, convex, none): Convex Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-16.86N Long: 73-26-35.21W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u><br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area</b><br><b>within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Northern Hardwoods.   |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:<br><br>Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CTTT-16

| Tree Stratum (Plot size: <u>30'</u> )                                    | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|-------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u><i>Pinus strobus</i></u>   | <u>40</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>10</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 2. <u><i>Quercus rubra</i></u>   | <u>25</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 3. <u><i>Populus deltoides</i></u>                                       | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <u>85</u> =Total Cover   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b>                     |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u><i>Lonicera morrowii</i></u>                                       | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>142</u></td> <td>x 4 = <u>568</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>192</u> (A)</td> <td><u>738</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.84</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>40</u> | x 3 = <u>120</u> | FACU species <u>142</u> | x 4 = <u>568</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>192</u> (A) | <u>738</u> (B) | Prevalence Index = B/A = <u>3.84</u> |  |
| Total % Cover of:  | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>   | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>  | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>40</u>  | x 3 = <u>120</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>142</u>  | x 4 = <u>568</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>  | x 5 = <u>50</u>  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>192</u> (A)  | <u>738</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.84</u>                                     |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 2. <u><i>Pinus strobus</i></u>   | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 3. <u><i>Quercus rubra</i></u>   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 4. <u><i>Rhamnus cathartica</i></u>                                      | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 5. <u><i>Cornus racemosa</i></u>   | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 6. <u><i>Prunus serotina</i></u>   | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <u>42</u> =Total Cover   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u><i>Lonicera morrowii</i></u>                                       | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 2. <u><i>Symphyotrichum ericoides</i></u>                                | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 3. <u><i>Equisetum arvense</i></u>                                       | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 4. <u><i>Geranium maculatum</i></u>                                      | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 5. <u><i>Rubia perigrina</i></u>   | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 6. <u><i>Rubus occidentalis</i></u>                                      | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <u>60</u> =Total Cover   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>                        |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 1. <u><i>Vitis aestivalis</i></u>  | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <u>5</u> =Total Cover  |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>  X  </u> |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                         |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CTTT-16

[illegible]



**Upland CTTT-16 View facing south**



**Upland CTTT-16 Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CVVV-11  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-15.93N Long: 73-26-33.96W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CVVV-11</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland - Floodplain. Edinger classification: Shrub Swamp. |  |

## HYDROLOGY

|   |  |  |
|---|--|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)  |
| <input checked="" type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |  |
| Remarks:  |  |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CVVV-11

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|------------------------|------------------|-----------------------|------------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Populus deltoides</u>                          | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>20</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Lonicera morrowii</u>                          | <u>45</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>60</u></td> <td>x 2 = <u>120</u></td> </tr> <tr> <td>FAC species <u>45</u></td> <td>x 3 = <u>135</u></td> </tr> <tr> <td>FACU species <u>55</u></td> <td>x 4 = <u>220</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>160</u> (A)</td> <td><u>475</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.97</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>60</u> | x 2 = <u>120</u> | FAC species <u>45</u> | x 3 = <u>135</u> | FACU species <u>55</u> | x 4 = <u>220</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>160</u> (A) | <u>475</u> (B) | Prevalence Index = B/A = <u>2.97</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>60</u>                               | x 2 = <u>120</u> |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>45</u>                                | x 3 = <u>135</u> |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>55</u>                               | x 4 = <u>220</u> |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>160</u> (A)                        | <u>475</u> (B)   |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.97</u>                 |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Cornus amomum</u>                              | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Rhamnus cathartica</u>                         | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Fraxinus pennsylvanica</u>                     | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Viburnum dentatum</u>                          | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>100</u> =Total Cover                              |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Rhamnus cathartica</u>                         | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Equisetum arvense</u>                          | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Fraxinus pennsylvanica</u>                     | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Symphyotrichum ericoides</u>                   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>35</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>5</u> =Total Cover                                |                  |                   |                  |  |                   |              |                      |                |                        |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CVVV-11

[illegible]



**Wetland CVVV-11 View facing southeast**



**Wetland CVVV-11 Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CVV-V-11  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Slight Hillslope Local relief (concave, convex, none): Convex Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-16.18N Long: 73-26-34.32W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CVVV-11

| Tree Stratum (Plot size: <u>30'</u> )                                      | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>35</u></td> <td>x 3 = <u>105</u></td> </tr> <tr> <td>FACU species <u>55</u></td> <td>x 4 = <u>220</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>375</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.75</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>35</u> | x 3 = <u>105</u> | FACU species <u>55</u> | x 4 = <u>220</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>100</u> (A) | <u>375</u> (B) | Prevalence Index = B/A = <u>3.75</u> |  |
| Total % Cover of:  | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>   | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>  | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>35</u>  | x 3 = <u>105</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>55</u>   | x 4 = <u>220</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>  | x 5 = <u>50</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)  | <u>375</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.75</u>                                       |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b>                       |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>                                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>   | <u>35</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Poa pratensis</u>  | <u>30</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Taraxacum officinale</u>   | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Rubia peregrina</u>  | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Plantago lanceolata</u>  | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ 100 =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>                          |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>        </u> No <u>  X  </u> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CVVV-11

[illegible]



**Upland CVVV-11 View facing northeast**



**Upland CVVV-11 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CUUU-2A  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Ditch Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-16.72N Long: 73-26-34.74W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PEM1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CUUU-2A</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh. Etinger classification: Purple Loosestrife Marsh. |  |

## HYDROLOGY

|  |  |   |
|--|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |
| <input checked="" type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input checked="" type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>3</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>5</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |
| Remarks:   |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CUUU-2A

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |
| 1. <u>Salix alba</u>                                 | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |
| 2. <u>Cornus racemosa</u>                            | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | <u>15</u>        | =Total Cover      |                  |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |
| 1. <u>Lythrum salicaria</u>                          | <u>35</u>        | <u>Yes</u>        | <u>OBL</u>       |  |
| 2. <u>Phalaris arundinacea</u>                       | <u>20</u>        | <u>Yes</u>        | <u>FACW</u>      |  |
| 3. <u>Poa pratensis</u>                              | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |  |
| 4. <u>Solidago gigantea</u>                          | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |
| 5. <u>Symphyotrichum ericoides</u>                   | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |
| 6. <u>Lotus corniculatus</u>                         | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |
| 7. <u>Salix alba</u>                                 | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |
| 8. _____   | _____            | _____             | _____            |  |
| 9. _____   | _____            | _____             | _____            |  |
| 10. _____  | _____            | _____             | _____            |  |
| 11. _____  | _____            | _____             | _____            |  |
| 12. _____  | _____            | _____             | _____            |  |
|  | <u>100</u>       | =Total Cover      |                  |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |

**Dominance Test worksheet:**  
  
 Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)  
  
 Total Number of Dominant Species Across All Strata: 4 (B)  
  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

**Prevalence Index worksheet:**  
  

| Total % Cover of:                    | Multiply by:     |
|--------------------------------------|------------------|
| OBL species <u>35</u>                | x 1 = <u>35</u>  |
| FACW species <u>45</u>               | x 2 = <u>90</u>  |
| FAC species <u>5</u>                 | x 3 = <u>15</u>  |
| FACU species <u>30</u>               | x 4 = <u>120</u> |
| UPL species <u>0</u>                 | x 5 = <u>0</u>   |
| Column Totals: <u>115</u> (A)        | <u>260</u> (B)   |
| Prevalence Index = B/A = <u>2.26</u> |                  |

**Hydrophytic Vegetation Indicators:**  
   1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
   4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CUUU-2A

[illegible]



**Wetland CUUU-2A View facing north/northeast**



**Wetland CUUU-2A Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/16/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CUUU-2A  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-16.71N Long: 73-26-34.58W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL CUUU-2A

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>45</u></td> <td>x 4 = <u>180</u></td> </tr> <tr> <td>UPL species <u>15</u></td> <td>x 5 = <u>75</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>375</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.75</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>40</u> | x 3 = <u>120</u> | FACU species <u>45</u> | x 4 = <u>180</u> | UPL species <u>15</u> | x 5 = <u>75</u> | Column Totals: <u>100</u> (A) | <u>375</u> (B) | Prevalence Index = B/A = <u>3.75</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>40</u>                          | x 3 = <u>120</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>45</u>                         | x 4 = <u>180</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>15</u>                          | x 5 = <u>75</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                  | <u>375</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.75</u>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                       | <u>40</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Poa pratensis</u>                        | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Lotus corniculatus</u>                   | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Taraxacum officinale</u>                 | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Pastinaca sativa</u>                     | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. <u>Rubia peregrina</u>                      | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CUUU-2A

[illegible]



**Upland CUUU-2A View facing northeast**



**Upland CUUU-2A Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CWWW-6  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-13.82N Long: 73-26-37.03W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PFO1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CWWW-6</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Forested Wetland. Efinger classification: Red-maple Hardwood Swamp. |   |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |   | <u>Secondary Indicators</u> (minimum of two required)   |
| <input checked="" type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input checked="" type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>12</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  |   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CWWW-6

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|-----------------|-----------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>50</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>20</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. <u>Populus deltoides</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. <u>Salix nigra</u>                                | <u>10</u>        | <u>No</u>         | <u>OBL</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <u>100</u> =Total Cover                              |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>40</u></td> <td>x 1 = <u>40</u></td> </tr> <tr> <td>FACW species <u>120</u></td> <td>x 2 = <u>240</u></td> </tr> <tr> <td>FAC species <u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>185</u> (A)</td> <td><u>360</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.95</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>40</u> | x 1 = <u>40</u> | FACW species <u>120</u> | x 2 = <u>240</u> | FAC species <u>20</u> | x 3 = <u>60</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>185</u> (A) | <u>360</u> (B) | Prevalence Index = B/A = <u>1.95</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| OBL species <u>40</u>                                | x 1 = <u>40</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| FACW species <u>120</u>                              | x 2 = <u>240</u> |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| FAC species <u>20</u>                                | x 3 = <u>60</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| FACU species <u>5</u>                                | x 4 = <u>20</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>185</u> (A)                        | <u>360</u> (B)   |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.95</u>                 |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. <u>Fraxinus pennsylvanica</u>                     | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <u>55</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u>Carex stricta</u>                              | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u>Sparganium americanum</u>                      | <u>10</u>        | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lythrum salicaria</u>                          | <u>5</u>         | <u>No</u>         | <u>OBL</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <u>30</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |
| <u>        </u> =Total Cover                         |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                       |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CWWW-6

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |    |                   |                  | Texture         | Remarks                        |
|-------------------|---------------|-----|----------------|----|-------------------|------------------|-----------------|--------------------------------|
|                   | Color (moist) | %   | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |                 |                                |
| 0-11              | 10YR 2/1      | 100 |                |    |                   |                  | Loamy/Clayey    |                                |
| 11-13             | 10YR 4/2      | 80  | 10YR 4/6       | 20 | C                 | M                | Loamy/Clayey    | Prominent redox concentrations |
| 13-20             | 10YR 5/1      | 75  | 10YR 5/6       | 25 | C                 | M                | Mucky Loam/Clay | Prominent redox concentrations |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |
|                   |               |     |                |    |                   |                  |                 |                                |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☒ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soil Present?**Yes ☒ No ☐

Remarks:



**Wetland CWWW-6 View facing north/northwest**



**Wetland CWWW-6 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CWWWW-6  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27'-3.68N Long: 73-26-36.70W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CWWW-6

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>45</u></td> <td>x 3 = <u>135</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>30</u></td> <td>x 5 = <u>150</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>385</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.85</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>45</u> | x 3 = <u>135</u> | FACU species <u>25</u> | x 4 = <u>100</u> | UPL species <u>30</u> | x 5 = <u>150</u> | Column Totals: <u>100</u> (A) | <u>385</u> (B) | Prevalence Index = B/A = <u>3.85</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>45</u>                                | x 3 = <u>135</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>25</u>                               | x 4 = <u>100</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>30</u>                                | x 5 = <u>150</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                        | <u>385</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.85</u>                 |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                             | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Rubia peregrina</u>                            | <u>25</u>        | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Geranium maculatum</u>                         | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Poa pratensis</u>                              | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Pastinaca sativa</u>                           | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ 100 =Total Cover                               |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CWWW-6

[illegible]



**Upland CWWW-6 View facing south/southwest**



**Upland CWWW-6 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CWWW-16  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-2.90N Long: 73-26-46.95W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CWWW-16</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |  |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | <u>X</u> Water-Stained Leaves (B9)                       | <u>      </u> Surface Soil Cracks (B6)                  |  |
| <u>      </u> High Water Table (A2)   | <u>      </u> Aquatic Fauna (B13)                        | <u>X</u> Drainage Patterns (B10)                        |  |
| <u>X</u> Saturation (A3)  | <u>      </u> Marl Deposits (B15)                        | <u>      </u> Moss Trim Lines (B16)                     |  |
| <u>      </u> Water Marks (B1)  | <u>      </u> Hydrogen Sulfide Odor (C1)                 | <u>      </u> Dry-Season Water Table (C2)               |  |
| <u>X</u> Sediment Deposits (B2)   | <u>      </u> Oxidized Rhizospheres on Living Roots (C3) | <u>      </u> Crayfish Burrows (C8)                     |  |
| <u>      </u> Drift Deposits (B3)   | <u>      </u> Presence of Reduced Iron (C4)              | <u>      </u> Saturation Visible on Aerial Imagery (C9) |  |
| <u>      </u> Algal Mat or Crust (B4)   | <u>      </u> Recent Iron Reduction in Tilled Soils (C6) | <u>      </u> Stunted or Stressed Plants (D1)           |  |
| <u>      </u> Iron Deposits (B5)  | <u>      </u> Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| <u>      </u> Inundation Visible on Aerial Imagery (B7)   | <u>      </u> Other (Explain in Remarks)                 | <u>      </u> Shallow Aquitard (D3)                     |  |
| <u>      </u> Sparsely Vegetated Concave Surface (B8)   |  | <u>      </u> Microtopographic Relief (D4)              |  |
|   |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>9</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:  |  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: VET CWWW-1

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|------------------------|------------------|----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>35</u></td> <td>x 1 = <u>35</u></td> </tr> <tr> <td>FACW species <u>95</u></td> <td>x 2 = <u>190</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>160</u> (A)</td> <td><u>340</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.13</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>35</u> | x 1 = <u>35</u> | FACW species <u>95</u> | x 2 = <u>190</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>25</u> | x 4 = <u>100</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>160</u> (A) | <u>340</u> (B) | Prevalence Index = B/A = <u>2.13</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>35</u>                                | x 1 = <u>35</u>  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>95</u>                               | x 2 = <u>190</u> |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>25</u>                               | x 4 = <u>100</u> |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>160</u> (A)                        | <u>340</u> (B)   |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.13</u>                 |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Alnus incana</u>                               | <u>75</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Cornus sericea</u>                             | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                          | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Cornus amomum</u>                              | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Typha X glauca</u>                             | <u>20</u>        | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Sparganium americanum</u>                      | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Solidago canadensis</u>                        | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Equisetum arvense</u>                          | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Bidens frondosa</u>                            | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                        |                  |                      |                 |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point:WET CWWW-16

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) |               |     |                |    |                   |                  |         |                                |
|---|---------------|-----|----------------|----|-------------------|------------------|---------|--------------------------------|
| Depth<br>(inches)   | Matrix        |     | Redox Features |    |                   |                  | Texture | Remarks                        |
|   | Color (moist) | %   | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |         |                                |
| 0-7   | 10YR 3/1      | 100 |                |    |                   |                  | Sandy   |                                |
| 7-20  | 10YR 4/1      | 90  | 10YR 4/6       | 10 | C                 | M                | Sandy   | Prominent redox concentrations |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |
|   |               |     |                |    |                   |                  |         |                                |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

☐ Histosol (A1)

☐ Histic Epipedon (A2)

☐ Black Histic (A3)

☐ Hydrogen Sulfide (A4)

☐ Stratified Layers (A5)

☐ Depleted Below Dark Surface (A11)

☐ Thick Dark Surface (A12)

☐ Sandy Mucky Mineral (S1)

☐ Sandy Gleyed Matrix (S4)

☐ Sandy Redox (S5)

☐ Stripped Matrix (S6)

☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)

☐ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)

☐ High Chroma Sands (S11) (**LRR K, L**)

☐ Loamy Mucky Mineral (F1) (**LRR K, L**)

☐ Loamy Gleyed Matrix (F2)

☒ Depleted Matrix (F3)

☐ Redox Dark Surface (F6)

☐ Depleted Dark Surface (F7)

☐ Redox Depressions (F8)

☐ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils<sup>3</sup>:

☐ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)

☐ Coast Prairie Redox (A16) (**LRR K, L, R**)

☐ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)

☐ Polyvalue Below Surface (S8) (**LRR K, L**)

☐ Thin Dark Surface (S9) (**LRR K, L**)

☐ Iron-Manganese Masses (F12) (**LRR K, L, R**)

☐ Piedmont Floodplain Soils (F19) (**MLRA 149B**)

☐ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)

☐ Red Parent Material (F21)

☐ Very Shallow Dark Surface (F22)

☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present?

Yes ☒ No ☐

Remarks:



**Wetland CWWW-16 View facing southwest**



**Wetland CWWW-16 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CWWW-16  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-2.68N Long: 73-26-46.80W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>   | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>  |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Old Field |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: JPL CWWW-16

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|------------------------|-----------------|----------------------|-----------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>10</u></td> <td>x 2 = <u>20</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>45</u></td> <td>x 4 = <u>180</u></td> </tr> <tr> <td>UPL species <u>60</u></td> <td>x 5 = <u>300</u></td> </tr> <tr> <td>Column Totals: <u>120</u> (A)</td> <td><u>515</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.29</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>10</u> | x 2 = <u>20</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>45</u> | x 4 = <u>180</u> | UPL species <u>60</u> | x 5 = <u>300</u> | Column Totals: <u>120</u> (A) | <u>515</u> (B) | Prevalence Index = B/A = <u>4.29</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>10</u>                               | x 2 = <u>20</u>  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>45</u>                               | x 4 = <u>180</u> |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>60</u>                                | x 5 = <u>300</u> |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>120</u> (A)                        | <u>515</u> (B)   |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.29</u>                 |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Cornus sericea</u>                             | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Rhus typhina</u>                               | <u>5</u>         | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Ulmus americana</u>                            | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Solidago canadensis</u>                        | <u>40</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Pastinaca sativa</u>                           | <u>30</u>        | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Rubia peregrina</u>                            | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Pastinaca sativa</u>                           | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Lotus corniculatus</u>                         | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. <u>Setaria pumila</u>                             | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Celastrus orbiculatus</u>                      | <u>5</u>         | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                        |                 |                      |                 |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

**Hydrophytic Vegetation Indicators:**

\_\_\_ 1 - Rapid Test for Hydrophytic Vegetation

\_\_\_ 2 - Dominance Test is >50%

\_\_\_ 3 - Prevalence Index is ≤3.0<sup>1</sup>

\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes             No   X

## SOIL

Sampling Point: UPL CWWW-16

[illegible]



**Upland CWWW-16 View facing southwest**



**Upland CWWW-16 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CXXX-4  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-5.10N Long: 73-26-43.13W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CXXX-4</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland - Floodplain. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)  | <u>X</u> Water-Stained Leaves (B9)                       | <u>      </u> Surface Soil Cracks (B6)                  |  |
| <u>X</u> High Water Table (A2)   | <u>      </u> Aquatic Fauna (B13)                        | <u>      </u> Drainage Patterns (B10)                   |  |
| <u>X</u> Saturation (A3)   | <u>      </u> Marl Deposits (B15)                        | <u>      </u> Moss Trim Lines (B16)                     |  |
| <u>      </u> Water Marks (B1)   | <u>      </u> Hydrogen Sulfide Odor (C1)                 | <u>      </u> Dry-Season Water Table (C2)               |  |
| <u>      </u> Sediment Deposits (B2)   | <u>      </u> Oxidized Rhizospheres on Living Roots (C3) | <u>      </u> Crayfish Burrows (C8)                     |  |
| <u>      </u> Drift Deposits (B3)  | <u>      </u> Presence of Reduced Iron (C4)              | <u>      </u> Saturation Visible on Aerial Imagery (C9) |  |
| <u>      </u> Algal Mat or Crust (B4)  | <u>      </u> Recent Iron Reduction in Tilled Soils (C6) | <u>      </u> Stunted or Stressed Plants (D1)           |  |
| <u>      </u> Iron Deposits (B5)   | <u>      </u> Thin Muck Surface (C7)                     | <u>      </u> Geomorphic Position (D2)                  |  |
| <u>      </u> Inundation Visible on Aerial Imagery (B7)  | <u>      </u> Other (Explain in Remarks)                 | <u>      </u> Shallow Aquitard (D3)                     |  |
| <u>      </u> Sparsely Vegetated Concave Surface (B8)  |  | <u>      </u> Microtopographic Relief (D4)              |  |
|  |  | <u>      </u> FAC-Neutral Test (D5)                     |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>10</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>5</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CXXX-4

| Tree Stratum (Plot size: <u>30'</u> )                         | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|---|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u><i>Alnus incana</i></u>                                 | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u><i>Fraxinus pennsylvanica</i></u>                       | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|   |                  | <u>20</u>         | =Total Cover     | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>127</u></td> <td>x 2 = <u>254</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>167</u> (A)</td> <td><u>404</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.42</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>127</u> | x 2 = <u>254</u> | FAC species <u>10</u> | x 3 = <u>30</u> | FACU species <u>30</u> | x 4 = <u>120</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>167</u> (A) | <u>404</u> (B) | Prevalence Index = B/A = <u>2.42</u> |  |
| Total % Cover of:   | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>  | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>127</u>                                       | x 2 = <u>254</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>10</u>   | x 3 = <u>30</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>30</u>  | x 4 = <u>120</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>  | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>167</u> (A)                                 | <u>404</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.42</u>                          |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b>          |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u><i>Cornus sericea</i></u>                               | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u><i>Alnus incana</i></u>                                 | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u><i>Lonicera morrowii</i></u>                            | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u><i>Cornus amomum</i></u>                                | <u>15</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u><i>Rhamnus cathartica</i></u>                           | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|   |                  | <u>100</u>        | =Total Cover     | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>                    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u><i>Onoclea sensibilis</i></u>                           | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u><i>Lysimachia nummularia</i></u>                        | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u><i>Alnus incana</i></u>                                 | <u>8</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u><i>Lonicera morrowii</i></u>                            | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u><i>Solidago gigantea</i></u>                            | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. <u><i>Impatiens capensis</i></u>                           | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|   |                  | <u>42</u>         | =Total Cover     | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>             |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u><i>Vitis aestivalis</i></u>                             | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|   |                  | <u>5</u>          | =Total Cover     |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |

## SOIL

Sampling Point: WET CXXX-4

[illegible]



**Wetland CXXX-4 View facing south**



**Wetland CXXX-4 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CXXX-4  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-5.22N Long: 73-26-43.33W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CXXX-4

| Tree Stratum (Plot size: <u>30'</u> )                                      | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|-----------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>50</u></td> <td>x 3 = <u>150</u></td> </tr> <tr> <td>FACU species <u>15</u></td> <td>x 4 = <u>60</u></td> </tr> <tr> <td>UPL species <u>35</u></td> <td>x 5 = <u>175</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>385</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.85</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>50</u> | x 3 = <u>150</u> | FACU species <u>15</u> | x 4 = <u>60</u> | UPL species <u>35</u> | x 5 = <u>175</u> | Column Totals: <u>100</u> (A) | <u>385</u> (B) | Prevalence Index = B/A = <u>3.85</u> |  |
| Total % Cover of:  | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>   | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>  | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| FAC species <u>50</u>  | x 3 = <u>150</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| FACU species <u>15</u>   | x 4 = <u>60</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| UPL species <u>35</u>  | x 5 = <u>175</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)  | <u>385</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.85</u>                                       |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b>                       |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>                                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>   | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 2. <u>Rubia peregrina</u>  | <u>20</u>        | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 3. <u>Pastinaca sativa</u>   | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 4. <u>Taraxacum officinale</u>   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 5. <u>Plantago lanceolata</u>  | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 6. <u>Artemisia vulgaris</u>   | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 7. <u>Lotus corniculatus</u>   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 8. <u>Equisetum arvense</u>  | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ 100 =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>                          |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>        </u> No <u>  X  </u> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                 |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CXXX-4

[illegible]



**Upland CXXX-4 View facing northeast**



**Upland CXXX-4 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: Wet CYYY-3  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-1.03N Long: 73-26-48.70W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PEM1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CYYY-3</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh dominated by cattail. Efinger classification: Cattail Marsh |   |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | _____ Water-Stained Leaves (B9)                  | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)  | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)  | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)  | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)  | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)   | _____ Presence of Reduced Iron (C4)              | _____ Saturation Visible on Aerial Imagery (C9)         |  |
| _____ Algal Mat or Crust (B4)   | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)  | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| _____ Inundation Visible on Aerial Imagery (B7) <u>X</u> Other (Explain in Remarks)   |  | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)   |  | _____ Microtopographic Relief (D4)                      |  |
|   |  | <u>X</u> FAC-Neutral Test (D5)                          |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>4</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:<br>Directly connected to the Champlain Canal via culvert. Hydrology may be influenced by mean high water.  |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: Wet CYYY-3

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|------------------------|------------------|------------------------|------------------|----------------------|-----------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>20</u> =Total Cover                               |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Alnus incana</u>                               | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>100</u></td> <td>x 1 = <u>100</u></td> </tr> <tr> <td>FACW species <u>53</u></td> <td>x 2 = <u>106</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>10</u></td> <td>x 4 = <u>40</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>168</u> (A)</td> <td><u>261</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.55</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>100</u> | x 1 = <u>100</u> | FACW species <u>53</u> | x 2 = <u>106</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>10</u> | x 4 = <u>40</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>168</u> (A) | <u>261</u> (B) | Prevalence Index = B/A = <u>1.55</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>100</u>                               | x 1 = <u>100</u> |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>53</u>                               | x 2 = <u>106</u> |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>                                 | x 3 = <u>15</u>  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>10</u>                               | x 4 = <u>40</u>  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>168</u> (A)                        | <u>261</u> (B)   |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.55</u>                 |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>8</u>         | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Betula populifolia</u>                         | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. <u>Cornus amomum</u>                              | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. <u>Cornus sericea</u>                             | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>43</u> =Total Cover                               |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Typha angustifolia</u>                         | <u>100</u>       | <u>Yes</u>        | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>100</u> =Total Cover                              |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>5</u> =Total Cover                                |                  |                   |                  |   |                   |              |                        |                  |                        |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: Wet CYYY-3

[illegible]



**Wetland CYYY-3 View facing southwest**



**Wetland CYYY-3 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: Wet CYYY-10  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-56.08N Long: 73-26-51.67W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CYYY-10</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |  |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |
| <input type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input checked="" type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>6</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: Wet CYYY-10

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |
| 1. <u>Lonicera morrowii</u>                          | 35               | Yes               | FACU             |  |
| 2. <u>Cornus amomum</u>                              | 25               | Yes               | FACW             |  |
| 3. <u>Alnus incana</u>                               | 25               | Yes               | FACW             |  |
| 4. <u>Ilex verticillata</u>                          | 10               | No                | FACW             |  |
| 5. <u>Cornus sericea</u>                             | 5                | No                | FACW             |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | 100              | =Total Cover      |                  |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |
| 1. <u>Lysimachia nummularia</u>                      | 10               | Yes               | FACW             |  |
| 2. <u>Onoclea sensibilis</u>                         | 10               | Yes               | FACW             |  |
| 3. <u>Galium palustre</u>                            | 10               | Yes               | OBL              |  |
| 4. <u>Carex stricta</u>                              | 5                | No                | OBL              |  |
| 5. <u>Sparganium americanum</u>                      | 5                | No                | OBL              |  |
| 6. <u>Equisetum arvense</u>                          | 5                | No                | FAC              |  |
| 7. _____   | _____            | _____             | _____            |  |
| 8. _____   | _____            | _____             | _____            |  |
| 9. _____   | _____            | _____             | _____            |  |
| 10. _____  | _____            | _____             | _____            |  |
| 11. _____  | _____            | _____             | _____            |  |
| 12. _____  | _____            | _____             | _____            |  |
|  | 45               | =Total Cover      |                  |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |
| 1. <u>Vitis aestivalis</u>                           | 5                | Yes               | FACU             |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
|  | 5                | =Total Cover      |                  |  |

**Dominance Test worksheet:**  
 Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)  
 Total Number of Dominant Species Across All Strata: 7 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B)

**Prevalence Index worksheet:**  

| Total % Cover of:                    | Multiply by:     |
|--------------------------------------|------------------|
| OBL species <u>20</u>                | x 1 = <u>20</u>  |
| FACW species <u>85</u>               | x 2 = <u>170</u> |
| FAC species <u>5</u>                 | x 3 = <u>15</u>  |
| FACU species <u>40</u>               | x 4 = <u>160</u> |
| UPL species <u>0</u>                 | x 5 = <u>0</u>   |
| Column Totals: <u>150</u> (A)        | <u>365</u> (B)   |
| Prevalence Index = B/A = <u>2.43</u> |                  |

**Hydrophytic Vegetation Indicators:**  
   1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
   4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: Wet CYYY-10

[illegible]



**Wetland CYYY-10 View facing northwest**



**Wetland CYYY-10 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 43-27-0.98N Long: 73-26-48.50W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u><br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area</b><br><b>within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Old Field. Upland for both CYYY-3 and CYYY-10.                  |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ ? Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:<br><br>Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|------------------------|-----------------|-----------------------|-----------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>               | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>37.5%</u> (A/B)   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                      | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|  | <u>20</u>        | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>20</u></td> <td>x 2 = <u>40</u></td> </tr> <tr> <td>FAC species <u>15</u></td> <td>x 3 = <u>45</u></td> </tr> <tr> <td>FACU species <u>40</u></td> <td>x 4 = <u>160</u></td> </tr> <tr> <td>UPL species <u>60</u></td> <td>x 5 = <u>300</u></td> </tr> <tr> <td>Column Totals: <u>135</u> (A)</td> <td><u>545</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.04</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>20</u> | x 2 = <u>40</u> | FAC species <u>15</u> | x 3 = <u>45</u> | FACU species <u>40</u> | x 4 = <u>160</u> | UPL species <u>60</u> | x 5 = <u>300</u> | Column Totals: <u>135</u> (A) | <u>545</u> (B) | Prevalence Index = B/A = <u>4.04</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>20</u>                         | x 2 = <u>40</u>  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>15</u>                          | x 3 = <u>45</u>  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>40</u>                         | x 4 = <u>160</u> |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>60</u>                          | x 5 = <u>300</u> |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>135</u> (A)                  | <u>545</u> (B)   |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.04</u>           |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Rhus typhina</u>                         | <u>5</u>         | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Juniperus virginiana</u>                 | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|  | <u>10</u>        | =Total Cover      |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Rubia peregriana</u>                     | <u>25</u>        | <u>Yes</u>        | <u>UPL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Monarda punctata</u>                     | <u>20</u>        | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Setaria pumila</u>                       | <u>15</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Solidago canadensis</u>                  | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Symphyotrichum ericoides</u>             | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. <u>Pastinaca sativa</u>                     | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. <u>Lolium pratense</u>                      | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 8. <u>Oenothera biennis</u>                    | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|  | <u>100</u>       | =Total Cover      |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                     | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|  | <u>5</u>         | =Total Cover      |                  |   |                   |              |                      |                |                        |                 |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL

[illegible]



**Upland CYYY-3 and CYYY-10 View facing south/southwest**



**Upland CYYY-3 and CYYY-10 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: Wet CYYY-25  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-44.29N Long: 73-26-51.35W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PFO1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CYYY-25</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Forested Wetland. Efinger classification: Red-maple Hardwood Swamp. |  |

## HYDROLOGY

|   |  |  |
|---|--|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)  |
| <input type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input checked="" type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input checked="" type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |  |
| Remarks:  |  |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: Wet CYYY-25

| Tree Stratum (Plot size: <u>30'</u> )                        | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|------------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Acer rubrum</u>  | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Fraxinus pennsylvanica</u>                             | <u>35</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Ulmus americana</u>                                    | <u>15</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <u>95</u> =Total Cover                                       |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b>         |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                                      | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>135</u></td> <td>x 2 = <u>270</u></td> </tr> <tr> <td>FAC species <u>50</u></td> <td>x 3 = <u>150</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>210</u> (A)</td> <td><u>505</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.40</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>135</u> | x 2 = <u>270</u> | FAC species <u>50</u> | x 3 = <u>150</u> | FACU species <u>20</u> | x 4 = <u>80</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>210</u> (A) | <u>505</u> (B) | Prevalence Index = B/A = <u>2.40</u> |  |
| Total % Cover of:  | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>5</u>   | x 1 = <u>5</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>135</u>                                      | x 2 = <u>270</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>50</u>  | x 3 = <u>150</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>20</u>                                       | x 4 = <u>80</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>   | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>210</u> (A)                                | <u>505</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.40</u>                         |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Fraxinus pennsylvanica</u>                             | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                                  | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Rhamnus cathartica</u>                                 | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 5. <u>Ulmus americana</u>                                    | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <u>55</u> =Total Cover                                       |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>                   |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                                 | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Lysimachia nummularia</u>                              | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Lonicera morrowii</u>                                  | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Carex stricta</u>                                      | <u>5</u>         | <u>No</u>         | <u>OBL</u>       |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <u>55</u> =Total Cover                                       |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>            |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                                   | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <u>5</u> =Total Cover  |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____ |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: Wet CYYY-25

[illegible]



**Wetland CYYY-25 View facing west/southwest**



**Wetland CYYY-25 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CYYY-25  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-44.50N Long: 73-26-50.83W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>  | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional Old Field. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CYYY-25

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>2</u></td> <td>x 2 = <u>4</u></td> </tr> <tr> <td>FAC species <u>12</u></td> <td>x 3 = <u>36</u></td> </tr> <tr> <td>FACU species <u>85</u></td> <td>x 4 = <u>340</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals: <u>119</u> (A)</td> <td><u>480</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.03</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>2</u> | x 2 = <u>4</u> | FAC species <u>12</u> | x 3 = <u>36</u> | FACU species <u>85</u> | x 4 = <u>340</u> | UPL species <u>20</u> | x 5 = <u>100</u> | Column Totals: <u>119</u> (A) | <u>480</u> (B) | Prevalence Index = B/A = <u>4.03</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>2</u>                                | x 2 = <u>4</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>12</u>                                | x 3 = <u>36</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>85</u>                               | x 4 = <u>340</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>20</u>                                | x 5 = <u>100</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>119</u> (A)                        | <u>480</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.03</u>                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Acer negundo</u>                               | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Cornus amomum</u>                              | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Rhamnus cathartica</u>                         | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Solidago canadensis</u>                        | <u>45</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Lolium pratense</u>                            | <u>30</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Pastinaca sativa</u>                           | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Rubia peregriana</u>                           | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Setaria pumila</u>                             | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

|  |                   |                 |
|--|-------------------|-----------------|
| <b>Hydrophytic Vegetation Present?</b> | Yes <u>      </u> | No <u>  X  </u> |
|--|-------------------|-----------------|

## SOIL

Sampling Point: UPL CYYY-25

[illegible]



**Upland CYYY-25 View facing north**



**Upland CYYY-25 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: Wet CZZZ-4  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 1  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-44.10N Long: 73-26-50.00W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: PSS1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CZZZ-4</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Scrubshrub Wetland. Edinger classification: Shrub Swamp. |   |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>11</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>7</u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: Wet CZZZ-4

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species?   | Indicator Status |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|---------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|-----------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>15</u>        | <u>Yes</u>          | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>71.4%</u> (A/B)  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
|  | <u>15</u>        | <u>=Total Cover</u> |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> <tr> <td>OBL species <u>15</u></td> <td>x 1 = <u>15</u></td> </tr> <tr> <td>FACW species <u>105</u></td> <td>x 2 = <u>210</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>15</u></td> <td>x 5 = <u>75</u></td> </tr> <tr> <td>Column Totals: <u>175</u> (A)</td> <td><u>450</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.57</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>15</u> | x 1 = <u>15</u> | FACW species <u>105</u> | x 2 = <u>210</u> | FAC species <u>10</u> | x 3 = <u>30</u> | FACU species <u>30</u> | x 4 = <u>120</u> | UPL species <u>15</u> | x 5 = <u>75</u> | Column Totals: <u>175</u> (A) | <u>450</u> (B) | Prevalence Index = B/A = <u>2.57</u> |  |
| Total % Cover of:                                    | Multiply by:     |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>15</u>                                | x 1 = <u>15</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>105</u>                              | x 2 = <u>210</u> |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>10</u>                                | x 3 = <u>30</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>30</u>                               | x 4 = <u>120</u> |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>15</u>                                | x 5 = <u>75</u>  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>175</u> (A)                        | <u>450</u> (B)   |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.57</u>                 |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>35</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>30</u>        | <u>Yes</u>          | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Viburnum lentago</u>                           | <u>10</u>        | <u>No</u>           | <u>FAC</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Cornus sericea</u>                             | <u>10</u>        | <u>No</u>           | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Alnus incana</u>                               | <u>10</u>        | <u>No</u>           | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
|  | <u>95</u>        | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>20</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Carex lacustris</u>                            | <u>15</u>        | <u>Yes</u>          | <u>OBL</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Lysimachia nummularia</u>                      | <u>10</u>        | <u>Yes</u>          | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>No</u>           | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
|  | <u>50</u>        | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                     |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Celastrus orbiculatus</u>                      | <u>15</u>        | <u>Yes</u>          | <u>UPL</u>       |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____               | _____            |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |
|  | <u>15</u>        | <u>=Total Cover</u> |                  |  |                   |              |                       |                 |                         |                  |                       |                 |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: Wet CZZZ-4

[illegible]



**Wetland CZZZ-4 View facing northwest**



**Wetland CZZZ-4 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CZZZ-4  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-44.06N Long: 73-26-50.22W Datum: WGS 84  
 Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping and sloping NWI classification: NA  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: UPL CZZZ-4

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>30</u></td> <td>x 3 = <u>90</u></td> </tr> <tr> <td>FACU species <u>35</u></td> <td>x 4 = <u>140</u></td> </tr> <tr> <td>UPL species <u>35</u></td> <td>x 5 = <u>175</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>405</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.05</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>30</u> | x 3 = <u>90</u> | FACU species <u>35</u> | x 4 = <u>140</u> | UPL species <u>35</u> | x 5 = <u>175</u> | Column Totals: <u>100</u> (A) | <u>405</u> (B) | Prevalence Index = B/A = <u>4.05</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>30</u>                                | x 3 = <u>90</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>35</u>                               | x 4 = <u>140</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>35</u>                                | x 5 = <u>175</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                        | <u>405</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.05</u>                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                             | <u>30</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Rubia peregrina</u>                            | <u>20</u>        | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Poa pratensis</u>                              | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Taraxacum officinale</u>                       | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Pastinaca sativa</u>                           | <u>15</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CZZZ-4

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks           |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|---------|-------------------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |                   |
| 0-6               | 10YR 2/1      | 100 |                |   |                   |                  | Sandy   | With stone gravel |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_ Gravel/Fill  
Depth (inches): \_\_\_\_\_ 6

**Hydric Soil Present?** Yes \_\_\_\_\_ No X

Remarks:



**Upland CZZZ-4 View facing south**



**Upland CZZZ-4 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CAZ-3  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 1  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-32.72N Long: 73-26-49.86W Datum: WGS 84  
 Soil Map Unit Name: SB - Saprists, Aquepts, and Aquents NWI classification: PFO1  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CAZ-3</u> |
| Hydric Soil Present? Yes <u>X</u> No _____   |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Forested Wetland. Efinger classification: Floodplain Forest. |  |

## HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <input type="checkbox"/> Surface Water (A1)<br><input type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input checked="" type="checkbox"/> Other (Explain in Remarks)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>10</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:<br>Floodplain of the Champlain Canal.   |  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CAZ-3

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>75</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>57.1%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Rhamnus cathartica</u>                         | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>90</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Lonicera morrowii</u>                          | <u>25</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>122</u></td> <td>x 2 = <u>244</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>51</u></td> <td>x 4 = <u>204</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>198</u> (A)</td> <td><u>523</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.64</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>122</u> | x 2 = <u>244</u> | FAC species <u>25</u> | x 3 = <u>75</u> | FACU species <u>51</u> | x 4 = <u>204</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>198</u> (A) | <u>523</u> (B) | Prevalence Index = B/A = <u>2.64</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>122</u>                              | x 2 = <u>244</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>25</u>                                | x 3 = <u>75</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>51</u>                               | x 4 = <u>204</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>198</u> (A)                        | <u>523</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.64</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Cornus amomum</u>                              | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Viburnum lentago</u>                           | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Rhamnus cathartica</u>                         | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Fraxinus pennsylvanica</u>                     | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. <u>Zanthoxylum americanum</u>                     | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. <u>Cornus sericea</u>                             | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>62</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                         | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Solidago canadensis</u>                        | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Symphyotrichum ericoides</u>                   | <u>8</u>         | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Equisetum arvense</u>                          | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. <u>Lysimachia nummularia</u>                      | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>43</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>3</u>         | <u>No</u>         | <u>FACU</u>      | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>3</u> =Total Cover                                |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CAZ-3

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |    |                   |                  | Texture | Remarks                        |
|-------------------|---------------|-----|----------------|----|-------------------|------------------|---------|--------------------------------|
|                   | Color (moist) | %   | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |         |                                |
| 0-9               | 10YR 3/1      | 100 |                |    |                   |                  | Sandy   |                                |
| 9-20              | 10YR 5/1      | 60  | 10YR 4/6       | 40 | C                 | M                | Sandy   | Prominent redox concentrations |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |
|                   |               |     |                |    |                   |                  |         |                                |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)  
☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☒ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  
☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)  
☐ High Chroma Sands (S11) (LRR K, L)  
☐ Loamy Mucky Mineral (F1) (LRR K, L)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Marl (F10) (LRR K, L)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)  
☐ Coast Prairie Redox (A16) (LRR K, L, R)  
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  
☐ Polyvalue Below Surface (S8) (LRR K, L)  
☐ Thin Dark Surface (S9) (LRR K, L)  
☐ Iron-Manganese Masses (F12) (LRR K, L, R)  
☐ Piedmont Floodplain Soils (F19) (MLRA 149B)  
☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  
☐ Red Parent Material (F21)  
☐ Very Shallow Dark Surface (F22)  
☐ Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soil Present?**Yes ☒ No ☐

Remarks:



**Wetland CAZ-3 View facing northeast**



**Wetland CAZ-3 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: UPL CAZ-3  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-32.80N Long: 73-26-50.22W Datum: WGS 84  
 Soil Map Unit Name: SB - Sapristis, Aquepts, and Aquepts NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____                                      | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |
| Remarks:  |  |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL CAZ-3

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|-----------------------|-----------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>85</u></td> <td>x 3 = <u>255</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>10</u></td> <td>x 5 = <u>50</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>325</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.25</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>85</u> | x 3 = <u>255</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>10</u> | x 5 = <u>50</u> | Column Totals: <u>100</u> (A) | <u>325</u> (B) | Prevalence Index = B/A = <u>3.25</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                                | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| FAC species <u>85</u>                                | x 3 = <u>255</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| FACU species <u>5</u>                                | x 4 = <u>20</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| UPL species <u>10</u>                                | x 5 = <u>50</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                        | <u>325</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.25</u>                 |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>  </u> 1 - Rapid Test for Hydrophytic Vegetation<br><u> X </u> 2 - Dominance Test is >50%<br><u>  </u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>  </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                             | <u>85</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 2. <u>Pastinaca sativa</u>                           | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 3. <u>Taraxacum officinale</u>                       | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |
| _____ = Total Cover                                  |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u> X </u> No <u>      </u>  |                   |              |                      |                |                       |                |                       |                  |                       |                 |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL CAZ-3

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture      | Remarks |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|--------------|---------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |              |         |
| 0-7               | 10YR 3/2      | 100 |                |   |                   |                  | Loamy/Clayey |         |
| 7-15              | 10YR 3/3      | 100 |                |   |                   |                  | Sandy        |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |
|                   |               |     |                |   |                   |                  |              |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

|  |  |
|--|--|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)       |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> High Chroma Sands (S11) (LRR K, L)              |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)             |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                        |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3)                            |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Redox Dark Surface (F6)                         |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Depleted Dark Surface (F7)                      |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)          | <input type="checkbox"/> Redox Depressions (F8)                          |
| <input type="checkbox"/> Sandy Redox (S5)                  | <input type="checkbox"/> Marl (F10) (LRR K, L)                           |
| <input type="checkbox"/> Stripped Matrix (S6)              |  |
| <input type="checkbox"/> Dark Surface (S7)                 |  |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

|  |
|--|
| <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B)       |
| <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)     |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)  |
| <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L)     |
| <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L)           |
| <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)   |
| <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) |
| <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B)   |
| <input type="checkbox"/> Red Parent Material (F21)                   |
| <input type="checkbox"/> Very Shallow Dark Surface (F22)             |
| <input type="checkbox"/> Other (Explain in Remarks)                  |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: Gravel

Depth (inches): 15

**Hydric Soil Present?** Yes ☐ No ☒

Remarks:



**Upland CAZ-3 View facing south**



**Upland CAZ-3 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CBZ-5  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-27.32N Long: 73-26-52.69W Datum: WGS 84  
 Soil Map Unit Name: SB - Saprists, Aquepts, and Aquepts NWI classification: PEM1

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CBZ-5</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Emergent Marsh. Efinger classification: Shallow Emergent Marsh. |  |

## HYDROLOGY

|   |  |   |  |
|---|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)  |  | <u>Secondary Indicators</u> (minimum of two required)   |  |
| <u>X</u> Surface Water (A1)   | _____ Water-Stained Leaves (B9)                  | _____ Surface Soil Cracks (B6)                          |  |
| <u>X</u> High Water Table (A2)  | _____ Aquatic Fauna (B13)                        | _____ Drainage Patterns (B10)                           |  |
| <u>X</u> Saturation (A3)  | _____ Marl Deposits (B15)                        | _____ Moss Trim Lines (B16)                             |  |
| _____ Water Marks (B1)  | _____ Hydrogen Sulfide Odor (C1)                 | _____ Dry-Season Water Table (C2)                       |  |
| _____ Sediment Deposits (B2)  | _____ Oxidized Rhizospheres on Living Roots (C3) | _____ Crayfish Burrows (C8)                             |  |
| _____ Drift Deposits (B3)   | _____ Presence of Reduced Iron (C4)              | <u>X</u> Saturation Visible on Aerial Imagery (C9)      |  |
| _____ Algal Mat or Crust (B4)   | _____ Recent Iron Reduction in Tilled Soils (C6) | _____ Stunted or Stressed Plants (D1)                   |  |
| _____ Iron Deposits (B5)  | _____ Thin Muck Surface (C7)                     | <u>X</u> Geomorphic Position (D2)                       |  |
| <u>X</u> Inundation Visible on Aerial Imagery (B7)  | _____ Other (Explain in Remarks)                 | _____ Shallow Aquitard (D3)                             |  |
| _____ Sparsely Vegetated Concave Surface (B8)   |  | _____ Microtopographic Relief (D4)                      |  |
|   |  | _____ FAC-Neutral Test (D5)                             |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>2</u><br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>8</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>6</u><br>(includes capillary fringe) |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |   |  |
| Remarks:  |  |   |  |

Sampling Point: WET CBZ-5

| Tree Stratum (Plot size: 30' )                 | Absolute % Cover   | Dominant Species? | Indicator Status |
|--|--------------------|-------------------|------------------|
| 1. <i>Fraxinus pennsylvanica</i>               | 5                  | Yes               | FACW             |
| 2. _____                                       | _____              | _____             | _____            |
| 3. _____                                       | _____              | _____             | _____            |
| 4. _____                                       | _____              | _____             | _____            |
| 5. _____                                       | _____              | _____             | _____            |
| 6. _____                                       | _____              | _____             | _____            |
| 7. _____                                       | _____              | _____             | _____            |
|  | 5 =Total Cover     |                   |                  |
| <b>Sapling/Shrub Stratum (Plot size: 15' )</b> |                    |                   |                  |
| 1. _____                                       | _____              | _____             | _____            |
| 2. _____                                       | _____              | _____             | _____            |
| 3. _____                                       | _____              | _____             | _____            |
| 4. _____                                       | _____              | _____             | _____            |
| 5. _____                                       | _____              | _____             | _____            |
| 6. _____                                       | _____              | _____             | _____            |
| 7. _____                                       | _____              | _____             | _____            |
|  | _____ =Total Cover |                   |                  |
| <b>Herb Stratum (Plot size: 5' )</b>           |                    |                   |                  |
| 1. <i>Poa pratensis</i>                        | 25                 | Yes               | FACU             |
| 2. <i>Solidago canadensis</i>                  | 15                 | Yes               | FACU             |
| 3. <i>Symphyotrichum ericoides</i>             | 15                 | Yes               | FACU             |
| 4. <i>Elymus riparius</i>                      | 15                 | Yes               | FACW             |
| 5. <i>Lythrum salicaria</i>                    | 10                 | No                | OBL              |
| 6. <i>Carex stricta</i>                        | 8                  | No                | OBL              |
| 7. <i>Onoclea sensibilis</i>                   | 5                  | No                | FACW             |
| 8. <i>Euthamia graminifolia</i>                | 5                  | No                | FAC              |
| 9. <i>Cyperus esculentus</i>                   | 2                  | No                | FACW             |
| 10. _____                                      | _____              | _____             | _____            |
| 11. _____                                      | _____              | _____             | _____            |
| 12. _____                                      | _____              | _____             | _____            |
|  | 100 =Total Cover   |                   |                  |
| <b>Woody Vine Stratum (Plot size: 30' )</b>    |                    |                   |                  |
| 1. _____                                       | _____              | _____             | _____            |
| 2. _____                                       | _____              | _____             | _____            |
| 3. _____                                       | _____              | _____             | _____            |
| 4. _____                                       | _____              | _____             | _____            |
|  | _____ =Total Cover |                   |                  |

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)

**Prevalence Index worksheet:**

| Total % Cover of:             | Multiply by: |
|-------------------------------|--------------|
| OBL species 18                | x 1 = 18     |
| FACW species 27               | x 2 = 54     |
| FAC species 5                 | x 3 = 15     |
| FACU species 55               | x 4 = 220    |
| UPL species 0                 | x 5 = 0      |
| Column Totals: 105 (A)        | 307 (B)      |
| Prevalence Index = B/A = 2.92 |              |

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation \_\_\_\_\_

2 - Dominance Test is >50% \_\_\_\_\_

X 3 - Prevalence Index is ≤3.0<sup>1</sup> \_\_\_\_\_

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) \_\_\_\_\_

\_\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) \_\_\_\_\_

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes X No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CBZ-5

[illegible]



**Wetland CBZ-5 View facing west**



**Wetland CBZ-5 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
 Applicant/Owner: TDI State: NY Sampling Point: WET CBZ-7  
 Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-25.51N Long: 73-26-53.84W Datum: WGS 84  
 Soil Map Unit Name: SB - Saprists, Aquepts, and Aquepts NWI classification: PFO1

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |  |
|---|--|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: <u>Near Flag CBZ-7</u> |
| Hydric Soil Present? Yes <u>X</u> No _____  |  |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Palustrine Forested Wetland. Efinger classification: Red-maple Hardwood Swamp. |  |

## HYDROLOGY

|  |  |   |
|--|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators</u> (minimum of one is required; check all that apply)   |  | <u>Secondary Indicators</u> (minimum of two required)   |
| <input type="checkbox"/> Surface Water (A1)<br><input checked="" type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>9</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |
| Remarks:   |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: WET CBZ-7

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|----------------------|-----------------|------------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                     | <u>70</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>15</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Alnus incana</u>                               | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>95</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>10</u></td> <td>x 1 = <u>10</u></td> </tr> <tr> <td>FACW species <u>145</u></td> <td>x 2 = <u>290</u></td> </tr> <tr> <td>FAC species <u>7</u></td> <td>x 3 = <u>21</u></td> </tr> <tr> <td>FACU species <u>22</u></td> <td>x 4 = <u>88</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>184</u> (A)</td> <td><u>409</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.22</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>10</u> | x 1 = <u>10</u> | FACW species <u>145</u> | x 2 = <u>290</u> | FAC species <u>7</u> | x 3 = <u>21</u> | FACU species <u>22</u> | x 4 = <u>88</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>184</u> (A) | <u>409</u> (B) | Prevalence Index = B/A = <u>2.22</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| OBL species <u>10</u>                                | x 1 = <u>10</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACW species <u>145</u>                              | x 2 = <u>290</u> |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FAC species <u>7</u>                                 | x 3 = <u>21</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| FACU species <u>22</u>                               | x 4 = <u>88</u>  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>184</u> (A)                        | <u>409</u> (B)   |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.22</u>                 |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera morrowii</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Alnus incana</u>                               | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. <u>Cornus sericea</u>                             | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. <u>Salix alba</u>                                 | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. <u>Zanthoxylum americanum</u>                     | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. <u>Rhamnus cathartica</u>                         | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>69</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. <u>Carex stricta</u>                              | <u>10</u>        | <u>Yes</u>        | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>        </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. <u>Rhamnus cathartica</u>                         | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <u>20</u> =Total Cover                               |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  |  |                   |              |                       |                 |                         |                  |                      |                 |                        |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: WET CBZ-7

[illegible]



**Wetland CBZ-7 View facing southwest**



**Wetland CBZ-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann / Washington Sampling Date: 11/17/21  
Applicant/Owner: TDI State: NY Sampling Point: UPL  
Investigator(s): C. Scrivner, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 2  
Subregion (LRR or MLRA): LRR R Lat: 43-26-26.78N Long: 73-26-52.53W Datum: WGS 84  
Soil Map Unit Name: SB - Saprists, Aquepts, and Aquepts NWI classification: NA  
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>  | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. Upland for CBZ-5 and CBZ-7. |   |

### HYDROLOGY

|   |   |  |
|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>____ Surface Water (A1)      ____ Water-Stained Leaves (B9)<br>____ High Water Table (A2)      ____ Aquatic Fauna (B13)<br>____ Saturation (A3)      ____ Marl Deposits (B15)<br>____ Water Marks (B1)      ____ Hydrogen Sulfide Odor (C1)<br>____ Sediment Deposits (B2)      ____ Oxidized Rhizospheres on Living Roots (C3)<br>____ Drift Deposits (B3)      ____ Presence of Reduced Iron (C4)<br>____ Algal Mat or Crust (B4)      ____ Recent Iron Reduction in Tilled Soils (C6)<br>____ Iron Deposits (B5)      ____ Thin Muck Surface (C7)<br>____ Inundation Visible on Aerial Imagery (B7)      ____ Other (Explain in Remarks)<br>____ Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br>____ Surface Soil Cracks (B6)<br>____ Drainage Patterns (B10)<br>____ Moss Trim Lines (B16)<br>____ Dry-Season Water Table (C2)<br>____ Crayfish Burrows (C8)<br>____ Saturation Visible on Aerial Imagery (C9)<br>____ Stunted or Stressed Plants (D1)<br>____ Geomorphic Position (D2)<br>____ Shallow Aquitard (D3)<br>____ Microtopographic Relief (D4)<br>____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u> |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |  |
| Remarks:  |   |  |

**VEGETATION** – Use scientific names of plants.

Sampling Point: UPL

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>50</u></td> <td>x 4 = <u>200</u></td> </tr> <tr> <td>UPL species <u>25</u></td> <td>x 5 = <u>125</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>400</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.00</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>25</u> | x 3 = <u>75</u> | FACU species <u>50</u> | x 4 = <u>200</u> | UPL species <u>25</u> | x 5 = <u>125</u> | Column Totals: <u>100</u> (A) | <u>400</u> (B) | Prevalence Index = B/A = <u>4.00</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FAC species <u>25</u>                          | x 3 = <u>75</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>50</u>                         | x 4 = <u>200</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>25</u>                          | x 5 = <u>125</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>100</u> (A)                  | <u>400</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.00</u>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Poa pratensis</u>                        | <u>40</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Setaria pumila</u>                       | <u>25</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Rubia peregrina</u>                      | <u>15</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Taraxacum officinale</u>                 | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Pastinaca sativa</u>                     | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 100 =Total Cover                               |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                       |                  |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

| Sampling Point | UPL |
|----------------|-----|
|----------------|-----|

[illegible]



**Upland CBZ-5 View facing northeast**



**Upland CBZ-5 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**



**Upland CBZ-7 View facing south/southwest**



**Upland CBZ-7 Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
Applicant/Owner: TDI State: NY Sampling Point: CCZ-24 Wet  
Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0  
Subregion (LRR or MLRA): LRR R Lat: 43-26-18N Long: 73-26-59W Datum: WGS84  
Soil Map Unit Name: Saprist, Aquepts, and Aquent (SB) NWI classification: PFO  
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____   | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____  |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Floodplain forest. |   |

### HYDROLOGY

|  |   |  |
|--|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>X</u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br><u>X</u> Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br><u>X</u> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>x</u> No _____ Depth (inches): <u>0.5</u><br>Water Table Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |  |
| Remarks:<br>Adjacent to a canal.   |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CCZ-24 Wet

| Tree Stratum (Plot size: <u>30'</u> )                        | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|----------------------|-----------------|-----------------------|-----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u><i>Ulmus americana</i></u>                             | <u>65</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u><i>Alnus incana</i></u>                                | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
|  |                  | <u>70</u>         | =Total Cover     | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>39</u></td> <td>x 1 = <u>39</u></td> </tr> <tr> <td>FACW species <u>200</u></td> <td>x 2 = <u>400</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>249</u> (A)</td> <td><u>474</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>1.90</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>39</u> | x 1 = <u>39</u> | FACW species <u>200</u> | x 2 = <u>400</u> | FAC species <u>5</u> | x 3 = <u>15</u> | FACU species <u>5</u> | x 4 = <u>20</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>249</u> (A) | <u>474</u> (B) | Prevalence Index = B/A = <u>1.90</u> |  |
| Total % Cover of:  | Multiply by:     |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| OBL species <u>39</u>  | x 1 = <u>39</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| FACW species <u>200</u>                                      | x 2 = <u>400</u> |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| FAC species <u>5</u>   | x 3 = <u>15</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| FACU species <u>5</u>  | x 4 = <u>20</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>   | x 5 = <u>0</u>   |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| Column Totals: <u>249</u> (A)                                | <u>474</u> (B)   |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.90</u>                         |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u> )</b>        |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u><i>Alnus incana</i></u>                                | <u>50</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u><i>Cornus amomum</i></u>                               | <u>35</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. <u><i>Lonicera tatarica</i></u>                           | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
|  |                  | <u>90</u>         | =Total Cover     | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u> )</b>                  |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. <u><i>Onoclea sensibilis</i></u>                          | <u>45</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. <u><i>Sparganium americanum</i></u>                       | <u>35</u>        | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. <u><i>Equisetum arvense</i></u>                           | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. <u><i>Eutrochium maculatum</i></u>                        | <u>2</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 5. <u><i>Lythrum salicaria</i></u>                           | <u>2</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
|  |                  | <u>89</u>         | =Total Cover     | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u> )</b>           |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
|  |                  | _____             | =Total Cover     |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____ |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                      |                 |                       |                 |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CCZ-24 Wet

[illegible]



**Wetland CCZ-24- View facing east**



**Wetland CCZ-24- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
 Applicant/Owner: TDI State: NY Sampling Point: CCZ-24 Upl  
 Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-18N Long: 73-26-59W Datum: WGS 84  
 Soil Map Unit Name: Saprists, Aquepts, and Aquepts (SB) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u><br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside.  |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ ? Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |
| Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CCZ-24 Upl

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |
| 1. <u>Poa pratensis</u>                              | <u>45</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 2. <u>Pastinaca sativa</u>                           | <u>20</u>        | <u>No</u>         | <u>UPL</u>       |  |
| 3. <u>Geranium maculatum</u>                         | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |
| 4. <u>Galium boreale</u>                             | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |  |
| 5. <u>Taraxacum officinale</u>                       | <u>1</u>         | <u>No</u>         | <u>FACU</u>      |  |
| 6. <u>Trifolium pratense</u>                         | <u>1</u>         | <u>No</u>         | <u>FACU</u>      |  |
| 7. <u>Setaria pumila</u>                             | <u>40</u>        | <u>Yes</u>        | <u>FAC</u>       |  |
| 8. <u>Daucus carota</u>                              | <u>2</u>         | <u>No</u>         | <u>UPL</u>       |  |
| 9. _____   | _____            | _____             | _____            |  |
| 10. _____  | _____            | _____             | _____            |  |
| 11. _____  | _____            | _____             | _____            |  |
| 12. _____  | _____            | _____             | _____            |  |
|  | <u>116</u>       | =Total Cover      |                  |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |
| 1. _____   | _____            | _____             | _____            |  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
|  | _____            | =Total Cover      |                  |  |

**Dominance Test worksheet:**  
 Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)  
 Total Number of Dominant Species Across All Strata: 2 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

**Prevalence Index worksheet:**  

| Total % Cover of:                    | Multiply by:     |
|--------------------------------------|------------------|
| OBL species <u>0</u>                 | x 1 = <u>0</u>   |
| FACW species <u>0</u>                | x 2 = <u>0</u>   |
| FAC species <u>42</u>                | x 3 = <u>126</u> |
| FACU species <u>52</u>               | x 4 = <u>208</u> |
| UPL species <u>22</u>                | x 5 = <u>110</u> |
| Column Totals: <u>116</u> (A)        | <u>444</u> (B)   |
| Prevalence Index = B/A = <u>3.83</u> |                  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
2 - Dominance Test is >50%  
3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes         No   X

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CCZ-24 Upd

[illegible]



**Upland CCZ-24- View facing northeast**



**Upland CCZ-24- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
 Applicant/Owner: TDI State: NY Sampling Point: CDZ-4 Wet  
 Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-17N Long: 73-27-00W Datum: WGS 84  
 Soil Map Unit Name: Saprists, Aquepts and Aquepts (SB) NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |                       |   |
|---|-----------------------|---|
| Hydrophytic Vegetation Present?   | Yes <u>X</u> No _____ | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present?  | Yes <u>X</u> No _____ |   |
| Wetland Hydrology Present?  | Yes <u>X</u> No _____ |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br><br><br><br> |                       |   |

## HYDROLOGY

|   |  |   |
|---|--|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br><input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input checked="" type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>x</u> No _____ Depth (inches): <u>0.5</u><br>Water Table Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:<br><br><br>  |  |   |
| Remarks:<br><br><br><br><br>  |  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CDZ-4 Wet

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|------------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Populus deltoides</u>                          | <u>50</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>71.4%</u> (A/B)   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Ulmus americana</u>                            | <u>25</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>75</u>  |                  | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>130</u></td> <td>x 2 = <u>260</u></td> </tr> <tr> <td>FAC species <u>52</u></td> <td>x 3 = <u>156</u></td> </tr> <tr> <td>FACU species <u>40</u></td> <td>x 4 = <u>160</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>242</u> (A)</td> <td><u>596</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.46</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>20</u> | x 1 = <u>20</u> | FACW species <u>130</u> | x 2 = <u>260</u> | FAC species <u>52</u> | x 3 = <u>156</u> | FACU species <u>40</u> | x 4 = <u>160</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>242</u> (A) | <u>596</u> (B) | Prevalence Index = B/A = <u>2.46</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>20</u>                                | x 1 = <u>20</u>  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>130</u>                              | x 2 = <u>260</u> |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>52</u>                                | x 3 = <u>156</u> |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>40</u>                               | x 4 = <u>160</u> |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>242</u> (A)                        | <u>596</u> (B)   |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.46</u>                 |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>40</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera tatarica</u>                          | <u>35</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Ulmus americana</u>                            | <u>15</u>        | <u>No</u>         | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>90</u>  |                  | =Total Cover      |                  | <b>Hydrophytic Vegetation Indicators:</b><br><br><u>  </u> 1 - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>  </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>50</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Sparganium americanum</u>                      | <u>20</u>        | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Equisetum arvense</u>                          | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>72</u>  |                  | =Total Cover      |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                           | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |
| <u>5</u>   |                  | =Total Cover      |                  |   |                   |              |                       |                 |                         |                  |                       |                  |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CDZ-4 Wet

[illegible]



**Wetland CDZ-4- View facing east**



**Wetland CDZ-4- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
 Applicant/Owner: TDI State: NY Sampling Point: CDZ-4 Upl  
 Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-17N Long: 73-27-00W Datum: WGS 84  
 Soil Map Unit Name: Saprists, Aquepts, and Aquepts (SB) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u><br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside.  |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ ? Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |
| Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CDZ-4 Upl

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>50</u></td> <td>x 3 = <u>150</u></td> </tr> <tr> <td>FACU species <u>47</u></td> <td>x 4 = <u>188</u></td> </tr> <tr> <td>UPL species <u>15</u></td> <td>x 5 = <u>75</u></td> </tr> <tr> <td>Column Totals: <u>112</u> (A)</td> <td><u>413</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.69</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>50</u> | x 3 = <u>150</u> | FACU species <u>47</u> | x 4 = <u>188</u> | UPL species <u>15</u> | x 5 = <u>75</u> | Column Totals: <u>112</u> (A) | <u>413</u> (B) | Prevalence Index = B/A = <u>3.69</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FAC species <u>50</u>                          | x 3 = <u>150</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| FACU species <u>47</u>                         | x 4 = <u>188</u> |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| UPL species <u>15</u>                          | x 5 = <u>75</u>  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Column Totals: <u>112</u> (A)                  | <u>413</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.69</u>           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. <u>Setaria pumila</u>                       | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. <u>Trifolium pratense</u>                   | <u>8</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. <u>Geranium maculatum</u>                   | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. <u>Poa pratensis</u>                        | <u>25</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 5. <u>Pastinaca sativa</u>                     | <u>10</u>        | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 6. <u>Daucus carota</u>                        | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 7. <u>Galium boreale</u>                       | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 8. <u>Solidago canadensis</u>                  | <u>7</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 9. <u>Taraxacum officinale</u>                 | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| <u>112</u> =Total Cover                        |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |
| _____ =Total Cover                             |                  |                   |                  |   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CDZ-4 Upd

[illegible]



**Upland CDZ-4- View facing southwest**



**Upland CDZ-4- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
Applicant/Owner: TDI State: NY Sampling Point: CEZ-5 Wet  
Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
Subregion (LRR or MLRA): LRR R Lat: 43-26-11N Long: 73-27-07W Datum: WGS 84  
Soil Map Unit Name: Orthents and Psamments (OP) NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____                   | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____                              |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____                        |   |
| Remarks: (Explain alternative procedures here or in a separate report.) |   |

### HYDROLOGY

|   |   |  |
|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>X</u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13)<br><u>X</u> Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>x</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>x</u> No _____ Depth (inches): <u>3</u><br>Saturation Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |  |
| Remarks:  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CEZ-5 Wet

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|------------------------|------------------|-----------------------|-----------------|------------------------|-----------------|----------------------|----------------|------------------------------|----------------|--------------------------------------|--|
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| =Total Cover   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>2</u></td> <td>x 1 = <u>2</u></td> </tr> <tr> <td>FACW species <u>55</u></td> <td>x 2 = <u>110</u></td> </tr> <tr> <td>FAC species <u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species <u>18</u></td> <td>x 4 = <u>72</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>95</u> (A)</td> <td><u>244</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.57</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>2</u> | x 1 = <u>2</u> | FACW species <u>55</u> | x 2 = <u>110</u> | FAC species <u>20</u> | x 3 = <u>60</u> | FACU species <u>18</u> | x 4 = <u>72</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>95</u> (A) | <u>244</u> (B) | Prevalence Index = B/A = <u>2.57</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| OBL species <u>2</u>                                 | x 1 = <u>2</u>   |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| FACW species <u>55</u>                               | x 2 = <u>110</u> |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| FAC species <u>20</u>                                | x 3 = <u>60</u>  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| FACU species <u>18</u>                               | x 4 = <u>72</u>  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| Column Totals: <u>95</u> (A)                         | <u>244</u> (B)   |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| Prevalence Index = B/A = <u>2.57</u>                 |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 1. <u>Cornus amomum</u>                              | <u>40</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 2. <u>Cornus racemosa</u>                            | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 3. <u>Lonicera tatarica</u>                          | <u>10</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 1. <u>Lonicera tatarica</u>                          | <u>8</u>         | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 2. <u>Cornus amomum</u>                              | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 3. <u>Juncus effusus</u>                             | <u>2</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 4. <u>Mentha arvensis</u>                            | <u>3</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 5. <u>Solidago gigantea</u>                          | <u>2</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 1. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |
| =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                        |                  |                       |                 |                        |                 |                      |                |                              |                |                                      |  |

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
       Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CEZ-5 Wet

[illegible]



**Wetland CEZ-5- View facing southeast**



**Wetland CEZ-5- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
Applicant/Owner: TDI State: NY Sampling Point: CFZ-1 Wet  
Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0  
Subregion (LRR or MLRA): LRR R Lat: 43-26-10N Long: 73-27-08W Datum: WGS 84  
Soil Map Unit Name: Orthents and Psamments (OP) NWI classification: PSS  
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____  | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____   |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Isolated wetland within a parking area. |   |

### HYDROLOGY

|  |   |   |
|--|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>X</u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br><u>X</u> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>x</u> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>Saturation Present? Yes <u>x</u> No _____ Depth (inches): <u>0</u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |   |
| Remarks:   |   |   |

**VEGETATION** – Use scientific names of plants.

Sampling Point: CFZ-1 Wet

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>150</u></td> <td>x 2 = <u>300</u></td> </tr> <tr> <td>FAC species <u>2</u></td> <td>x 3 = <u>6</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>157</u> (A)</td> <td><u>311</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.98</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>150</u> | x 2 = <u>300</u> | FAC species <u>2</u> | x 3 = <u>6</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>157</u> (A) | <u>311</u> (B) | Prevalence Index = B/A = <u>1.98</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>5</u>                           | x 1 = <u>5</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>150</u>                        | x 2 = <u>300</u> |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>2</u>                           | x 3 = <u>6</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| FACU species <u>0</u>                          | x 4 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                           | x 5 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Column Totals: <u>157</u> (A)                  | <u>311</u> (B)   |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>1.98</u>           |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                        | <u>55</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Spiraea alba</u>                         | <u>10</u>        | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Ulmus americana</u>                      | <u>20</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 85   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                   | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Juncus effusus</u>                       | <u>5</u>         | <u>No</u>         | <u>OBL</u>       |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Lysimachia nummularia</u>                | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. <u>Cornus amomum</u>                        | <u>30</u>        | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 70   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Clematis virginiana</u>                  | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |
| 2  |                  |                   |                  |   |                   |              |                      |                |                         |                  |                      |                |                       |                |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

**Hydrophytic Vegetation Indicators:**  
1 - Rapid Test for Hydrophytic Vegetation  
X 2 - Dominance Test is >50%  
X 3 - Prevalence Index is ≤3.0<sup>1</sup>  
4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No

## SOIL

Sampling Point      CFZ-1 Wet

[illegible]



**Wetland CFZ-1- View facing southeast**



**Wetland CFZ-1- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
 Applicant/Owner: TDI State: NY Sampling Point: Upl CEZ/CFZ  
 Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 43-26-11N Long: 73-27-07W Datum: WGS 84  
 Soil Map Unit Name: Orthents and Psamments (OP) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____<br>Hydric Soil Present? Yes _____ No <u>X</u><br>Wetland Hydrology Present? Yes _____ No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside data point for Upl CEZ-5 and CFZ-1.                           |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>_____ Surface Water (A1) _____ Water-Stained Leaves (B9)<br>_____ High Water Table (A2) _____ Aquatic Fauna (B13)<br>_____ Saturation (A3) _____ Marl Deposits (B15)<br>_____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br>_____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br>_____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br>_____ Iron Deposits (B5) _____ Thin Muck Surface (C7)<br>_____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)<br>_____ Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br>_____ Surface Soil Cracks (B6)<br>_____ Drainage Patterns (B10)<br>_____ Moss Trim Lines (B16)<br>_____ Dry-Season Water Table (C2)<br>_____ Crayfish Burrows (C8)<br>_____ Saturation Visible on Aerial Imagery (C9)<br>_____ Stunted or Stressed Plants (D1)<br>_____ Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ Microtopographic Relief (D4)<br>_____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |
| Remarks:  |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: Upl CEZ/CFZ

| Tree Stratum (Plot size: <u>30'</u> )                 | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
|---|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|----------------------|-----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 5. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>75</u></td> <td>x 3 = <u>225</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>7</u></td> <td>x 5 = <u>35</u></td> </tr> <tr> <td>Column Totals: <u>112</u> (A)</td> <td><u>380</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.39</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>75</u> | x 3 = <u>225</u> | FACU species <u>30</u> | x 4 = <u>120</u> | UPL species <u>7</u> | x 5 = <u>35</u> | Column Totals: <u>112</u> (A) | <u>380</u> (B) | Prevalence Index = B/A = <u>3.39</u> |  |
| Total % Cover of:                                     | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| OBL species <u>0</u>                                  | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| FACW species <u>0</u>                                 | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| FAC species <u>75</u>                                 | x 3 = <u>225</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| FACU species <u>30</u>                                | x 4 = <u>120</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| UPL species <u>7</u>                                  | x 5 = <u>35</u>  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| Column Totals: <u>112</u> (A)                         | <u>380</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.39</u>                  |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u> )</b> |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 1. <u>Cornus racemosa</u>                             | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 5. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u> )</b>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 1. <u>Daucus carota</u>                               | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 2. <u>Galium boreale</u>                              | <u>50</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 3. <u>Plantago lanceolata</u>                         | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 4. <u>Setaria pumila</u>                              | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 5. <u>Plantago major</u>                              | <u>3</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 6. <u>Pastinaca sativa</u>                            | <u>2</u>         | <u>No</u>         | <u>UPL</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 7. <u>Solidago canadensis</u>                         | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 8. <u>Trifolium pratense</u>                          | <u>6</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 9. <u>Geranium maculatum</u>                          | <u>1</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 10. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 11. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 12. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u> )</b>    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 1. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                 |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

**Hydrophytic Vegetation Indicators:**  
     1 - Rapid Test for Hydrophytic Vegetation  
 X  2 - Dominance Test is >50%  
     3 - Prevalence Index is ≤3.0<sup>1</sup>  
     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes  X       No

## SOIL

Sampling Point UpI CEZ/CFZ

[illegible]



**Upland CEZ-5- View facing southwest**



**Upland CEZ-5- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**



**Upland CFZ-1- View facing southwest**



**Upland CFZ-1- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
Applicant/Owner: TDI State: NY Sampling Point: CGZ-3 Wet  
Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
Subregion (LRR or MLRA): LRR R Lat: 43-26-11N Long: 73-27-10W Datum: WGS 84  
Soil Map Unit Name: Orthents and Psamments (OP) NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No _____                   | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No _____<br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes <u>X</u> No _____                              |   |
| Wetland Hydrology Present? Yes <u>X</u> No _____                        |   |
| Remarks: (Explain alternative procedures here or in a separate report.) |   |

### HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>  </u> Surface Water (A1) <u>  </u> Water-Stained Leaves (B9)<br><u>X</u> High Water Table (A2) <u>  </u> Aquatic Fauna (B13)<br><u>X</u> Saturation (A3) <u>  </u> Marl Deposits (B15)<br><u>  </u> Water Marks (B1) <u>  </u> Hydrogen Sulfide Odor (C1)<br><u>  </u> Sediment Deposits (B2) <u>  </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>  </u> Drift Deposits (B3) <u>  </u> Presence of Reduced Iron (C4)<br><u>  </u> Algal Mat or Crust (B4) <u>  </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>  </u> Iron Deposits (B5) <u>  </u> Thin Muck Surface (C7)<br><u>  </u> Inundation Visible on Aerial Imagery (B7) <u>  </u> Other (Explain in Remarks)<br><u>  </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>  </u> Surface Soil Cracks (B6)<br><u>  </u> Drainage Patterns (B10)<br><u>  </u> Moss Trim Lines (B16)<br><u>  </u> Dry-Season Water Table (C2)<br><u>  </u> Crayfish Burrows (C8)<br><u>  </u> Saturation Visible on Aerial Imagery (C9)<br><u>  </u> Stunted or Stressed Plants (D1)<br><u>  </u> Geomorphic Position (D2)<br><u>X</u> Shallow Aquitard (D3)<br><u>  </u> Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Water Table Present? Yes <u>x</u> No _____ Depth (inches): <u>10</u><br>Saturation Present? Yes <u>x</u> No _____ Depth (inches): <u>8</u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No _____ |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CGZ-3 Wet

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Ulmus americana</u>                            | <u>70</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Populus deltoides</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>90</u>  |                  | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <thead> <tr> <th>Total % Cover of:</th> <th>Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>2</u></td> <td>x 1 = <u>2</u></td> </tr> <tr> <td>FACW species <u>140</u></td> <td>x 2 = <u>280</u></td> </tr> <tr> <td>FAC species <u>32</u></td> <td>x 3 = <u>96</u></td> </tr> <tr> <td>FACU species <u>70</u></td> <td>x 4 = <u>280</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>244</u> (A)</td> <td><u>658</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.70</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>2</u> | x 1 = <u>2</u> | FACW species <u>140</u> | x 2 = <u>280</u> | FAC species <u>32</u> | x 3 = <u>96</u> | FACU species <u>70</u> | x 4 = <u>280</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>244</u> (A) | <u>658</u> (B) | Prevalence Index = B/A = <u>2.70</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| OBL species <u>2</u>                                 | x 1 = <u>2</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACW species <u>140</u>                              | x 2 = <u>280</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FAC species <u>32</u>                                | x 3 = <u>96</u>  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| FACU species <u>70</u>                               | x 4 = <u>280</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                 | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>244</u> (A)                        | <u>658</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.70</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Lonicera tatarica</u>                          | <u>50</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Cornus racemosa</u>                            | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Ulmus americana</u>                            | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>65</u>  |                  | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Onoclea sensibilis</u>                         | <u>60</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br><u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Lonicera tatarica</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. <u>Solidago gigantea</u>                          | <u>5</u>         | <u>No</u>         | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. <u>Equisetum arvense</u>                          | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. <u>Eutrochium maculatum</u>                       | <u>2</u>         | <u>No</u>         | <u>OBL</u>       |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>89</u>  |                  | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <b>Woody Vine Stratum (Plot size: <u>30'</u>)</b>    |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| _____  |                  | =Total Cover      |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____   |                   |              |                      |                |                         |                  |                       |                 |                        |                  |                      |                |                               |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CGZ-3 Wet

[illegible]



**Wetland CGZ-3- View facing northwest**



**Wetland CGZ-3- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Fort Ann/Washington Sampling Date: 11/18/21  
Applicant/Owner: TDI State: NY Sampling Point: CGZ-3 Upl  
Investigator(s): N. Frazer, C. Einstein Section, Township, Range: \_\_\_\_\_  
Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0  
Subregion (LRR or MLRA): LRR R Lat: 43-26-11N Long: 73-27-10W Datum: WGS 84  
Soil Map Unit Name: Orthents and Psamments (OP) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No \_\_\_\_\_ (If no, explain in Remarks.)  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes x No \_\_\_\_\_  
Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |   |
|--|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u>                                      | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes _____ No <u>X</u><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present? Yes _____ No <u>X</u>   |   |
| Wetland Hydrology Present? Yes _____ No <u>X</u>   |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Mowed roadside. |   |

### HYDROLOGY

|   |   |  |
|---|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>____ Surface Water (A1)      ____ Water-Stained Leaves (B9)<br>____ High Water Table (A2)      ____ Aquatic Fauna (B13)<br>____ Saturation (A3)      ____ Marl Deposits (B15)<br>____ Water Marks (B1)      ____ Hydrogen Sulfide Odor (C1)<br>____ Sediment Deposits (B2)      ____ Oxidized Rhizospheres on Living Roots (C3)<br>____ Drift Deposits (B3)      ____ Presence of Reduced Iron (C4)<br>____ Algal Mat or Crust (B4)      ____ Recent Iron Reduction in Tilled Soils (C6)<br>____ Iron Deposits (B5)      ____ Thin Muck Surface (C7)<br>____ Inundation Visible on Aerial Imagery (B7)      ____ Other (Explain in Remarks)<br>____ Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br>____ Surface Soil Cracks (B6)<br>____ Drainage Patterns (B10)<br>____ Moss Trim Lines (B16)<br>____ Dry-Season Water Table (C2)<br>____ Crayfish Burrows (C8)<br>____ Saturation Visible on Aerial Imagery (C9)<br>____ Stunted or Stressed Plants (D1)<br>____ Geomorphic Position (D2)<br>____ Shallow Aquitard (D3)<br>____ Microtopographic Relief (D4)<br>____ FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____<br>Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____<br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes _____ No <u>X</u> |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |  |
| Remarks:  |   |  |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: CGZ-3 Upl

| Tree Stratum (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|----------------------|----------------|------------------------------|----------------|--------------------------------------|--|
| 1. _____                                       | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>60</u></td> <td>x 3 = <u>180</u></td> </tr> <tr> <td>FACU species <u>35</u></td> <td>x 4 = <u>140</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>95</u> (A)</td> <td><u>320</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.37</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>60</u> | x 3 = <u>180</u> | FACU species <u>35</u> | x 4 = <u>140</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>95</u> (A) | <u>320</u> (B) | Prevalence Index = B/A = <u>3.37</u> |  |
| Total % Cover of:                              | Multiply by:     |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| OBL species <u>0</u>                           | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| FACW species <u>0</u>                          | x 2 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| FAC species <u>60</u>                          | x 3 = <u>180</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| FACU species <u>35</u>                         | x 4 = <u>140</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| UPL species <u>0</u>                           | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| Column Totals: <u>95</u> (A)                   | <u>320</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| Prevalence Index = B/A = <u>3.37</u>           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| Sapling/Shrub Stratum (Plot size: <u>15'</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| Herb Stratum (Plot size: <u>5'</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 1. <u>Setaria pumila</u>                       | <u>45</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 2. <u>Lotus corniculatus</u>                   | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 3. <u>Trifolium repens</u>                     | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 4. <u>Galium boreale</u>                       | <u>15</u>        | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 5. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 6. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 7. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 8. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 9. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 10. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 11. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 12. _____                                      | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| <u>95</u> =Total Cover                         |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| Woody Vine Stratum (Plot size: <u>30'</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 1. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 2. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 3. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| 4. _____                                       | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |
| =Total Cover                                   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                      |                |                              |                |                                      |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point CGZ-3 Upd

[illegible]



**Upland CGZ-3- View facing northeast**



**Upland CGZ-3- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-A-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 22.00" Long: -73° 27' 26.00" Datum:         
 Soil Map Unit Name: Vergenne silty clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |              |                  |  |
|--|--------------|------------------|--|
| Hydrophytic Vegetation Present?  | Yes <u>X</u> | No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>X</u> No <u>      </u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?   | Yes <u>X</u> | No <u>      </u> |  |
| Wetland Hydrology Present?   | Yes <u>X</u> | No <u>      </u> |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Shallow emergent marsh. |              |                  |  |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>      </u> X Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>      </u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>      </u> X Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>      </u> X FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>      </u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

Sampling Point: GP2-A-Wet

| Tree Stratum          | (Plot size: 30 )            | Absolute % Cover | Dominant Species? | Indicator Status |
|-----------------------|-----------------------------|------------------|-------------------|------------------|
| 1.                    |                             |                  |                   |                  |
| 2.                    |                             |                  |                   |                  |
| 3.                    |                             |                  |                   |                  |
| 4.                    |                             |                  |                   |                  |
| 5.                    |                             |                  |                   |                  |
| 6.                    |                             |                  |                   |                  |
| 7.                    |                             |                  |                   |                  |
|                       |                             | =Total Cover     |                   |                  |
| Sapling/Shrub Stratum | (Plot size: 15 )            |                  |                   |                  |
| 1.                    |                             |                  |                   |                  |
| 2.                    |                             |                  |                   |                  |
| 3.                    |                             |                  |                   |                  |
| 4.                    |                             |                  |                   |                  |
| 5.                    |                             |                  |                   |                  |
| 6.                    |                             |                  |                   |                  |
| 7.                    |                             |                  |                   |                  |
|                       |                             | =Total Cover     |                   |                  |
| Herb Stratum          | (Plot size: 5 )             |                  |                   |                  |
| 1.                    | <i>Typha angustifolia</i>   | 20               | Yes               | OBL              |
| 2.                    | <i>Phalaris arundinacea</i> | 10               | No                | FACW             |
| 3.                    | <i>Lythrum salicaria</i>    | 10               | No                | OBL              |
| 4.                    | <i>Eleocharis palustris</i> | 10               | No                | OBL              |
| 5.                    | <i>Scirpus cyperinus</i>    | 15               | Yes               | OBL              |
| 6.                    | <i>Scirpus atrovirens</i>   | 15               | Yes               | OBL              |
| 7.                    |                             |                  |                   |                  |
| 8.                    |                             |                  |                   |                  |
| 9.                    |                             |                  |                   |                  |
| 10.                   |                             |                  |                   |                  |
| 11.                   |                             |                  |                   |                  |
| 12.                   |                             |                  |                   |                  |
|                       |                             | 80 =Total Cover  |                   |                  |
| Woody Vine Stratum    | (Plot size: 15 )            |                  |                   |                  |
| 1.                    |                             |                  |                   |                  |
| 2.                    |                             |                  |                   |                  |
| 3.                    |                             |                  |                   |                  |
| 4.                    |                             |                  |                   |                  |
|                       |                             | =Total Cover     |                   |                  |

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

**Prevalence Index worksheet:**

| Total % Cover of:        | Multiply by: |
|--------------------------|--------------|
| OBL species              | x 1 =        |
| FACW species             | x 2 =        |
| FAC species              | x 3 =        |
| FACU species             | x 4 =        |
| UPL species              | x 5 =        |
| Column Totals:           | (A) (B)      |
| Prevalence Index = B/A = |              |

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-A-Wet

[illegible]



**Wetland GP2-A-Wet**



**Wetland GP2-A-Wet - Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Package 2-MP 120.9 City/County: Fort Ann/Washington Sampling Date: 8/4/2022  
Applicant/Owner: CHPE State: NY Sampling Point: GP2-A-Up  
Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%):         
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 15.00" Long: -73° 25' 25.00" Datum:         
Soil Map Unit Name: Vergennes silty clay loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>      </u> No <u>X</u>                                     | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>      </u> No <u>X</u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present? Yes <u>      </u> No <u>X</u>  |   |
| Wetland Hydrology Present? Yes <u>      </u> No <u>X</u>  |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional old field |   |

### HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>      </u> Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>      </u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>      </u> Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>      </u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>      </u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>      </u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>      </u> Depth (inches): <u>      </u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>      </u> No <u>X</u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-A-Up

| <u>Tree Stratum</u> (Plot size: <u>30</u> )          | Absolute % Cover    | Dominant Species? | Indicator Status       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|--|---------------------|-------------------|------------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____   | _____               | _____             | _____                  | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                    | Multiply by:        |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                    | x 1 = _____         |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                   | x 2 = _____         |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                    | x 3 = _____         |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                   | x 4 = _____         |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                    | x 5 = _____         |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                 | (A) _____ (B) _____ |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                       |                     |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15</u> ) |                     |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Herb Stratum</u> (Plot size: <u>5</u> )           |                     |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Daucus carota</u>                              | <u>20</u>           | <u>Yes</u>        | <u>UPL</u>             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Lotus corniculatus</u>                         | <u>5</u>            | <u>No</u>         | <u>FACU</u>            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Centaurea stoebe</u>                           | <u>10</u>           | <u>Yes</u>        | <u>UPL</u>             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Erigeron annuus</u>                            | <u>10</u>           | <u>Yes</u>        | <u>FACU</u>            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Melilotus altissimus</u>                       | <u>10</u>           | <u>Yes</u>        | <u>UPL</u>             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. <u>Cichorium intybus</u>                          | <u>10</u>           | <u>Yes</u>        | <u>FACU</u>            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. <u>Poa pratensis</u>                              | <u>15</u>           | <u>Yes</u>        | <u>FACU</u>            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____  | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____  | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____  | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | <u>80</u> =Total Cover | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>15</u> )    |                     |                   |                        |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     |                   | =Total Cover           |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-A-Up

[illegible]



**Upland GP2-A-Up**



**Upland GP2-A-Up- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-B-Wet  
 Investigator(s): K. Weiskotten Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 15.00" Long: -73° 27' 25.00" Datum:         
 Soil Map Unit Name: Vergennes silty clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |                               |   |
|---|-------------------------------|---|
| Hydrophytic Vegetation Present?   | Yes <u>X</u> No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No <u>      </u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?  | Yes <u>X</u> No <u>      </u> |   |
| Wetland Hydrology Present?  | Yes <u>X</u> No <u>      </u> |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Shallow emergent marsh |                               |   |

## HYDROLOGY

|  |  |  |
|--|--|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br><input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>3</u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>(includes capillary fringe)  |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>      </u>  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |  |
| Remarks:   |  |  |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-B-Wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )                 | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|--|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____   | _____               | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| =Total Cover   |                     |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:  | Multiply by:        |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____  | x 1 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____   | x 2 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____  | x 3 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____   | x 4 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____  | x 5 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____   | (A) _____ (B) _____ |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                               |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10 =Total Cover  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> )        |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Cornus racemosa</u>                                    | 10                  | Yes               | FAC              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10 =Total Cover  |                     |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )                  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Typha angustifolia</u>                                 | 20                  | Yes               | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Lythrum salicaria</u>                                  | 10                  | No                | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Phalaris arundinacea</u>                               | 10                  | No                | FACW             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Eleocharis palustris</u>                               | 10                  | No                | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Scirpus cyperinus</u>                                  | 15                  | Yes               | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. <u>Scirpus atrovirens</u>                                 | 15                  | Yes               | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 80 =Total Cover  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>15'</u> )           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| =Total Cover   |                     |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____ |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-B-Wet

[illegible]



**Wetland GP2-B-Wet**



**Wetland GP2-B-Wet- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-B-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 15.00" Long: -73° 27' 25.00" Datum:         
 Soil Map Unit Name: Vergennes silty clay loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |                               |   |
|---|-------------------------------|---|
| Hydrophytic Vegetation Present?   | Yes <u>      </u> No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b> Yes <u>      </u> No <u>X</u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?  | Yes <u>      </u> No <u>X</u> |   |
| Wetland Hydrology Present?  | Yes <u>      </u> No <u>X</u> |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Successional old field |                               |   |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>      </u> Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>      </u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>      </u> Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>      </u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>      </u> No <u>X</u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION** – Use scientific names of plants.

 Sampling Point: GP2-B-Up

| <u>Tree Stratum</u> (Plot size: <u>30</u> )          | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|--|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____   | _____               | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                    | Multiply by:        |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                    | x 1 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                   | x 2 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                    | x 3 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                   | x 4 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                    | x 5 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                 | (A) _____ (B) _____ |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                       |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15</u> ) |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Herb Stratum</u> (Plot size: <u>5</u> )           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Daucus carota</u>                              | <u>20</u>           | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Lotus corniculatus</u>                         | <u>5</u>            | <u>No</u>         | <u>FACU</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Centaurea stoebe</u>                           | <u>10</u>           | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Erigeron annuus</u>                            | <u>10</u>           | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Melilotus albus</u>                            | <u>10</u>           | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. <u>Cichorium intybus</u>                          | <u>10</u>           | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. <u>Poa palustris</u>                              | <u>5</u>            | <u>No</u>         | <u>FACW</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. <u>Pastinaca sativa</u>                           | <u>5</u>            | <u>No</u>         | <u>UPL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | 75 =Total Cover   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>15</u> )    |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  | <b>Hydrophytic Vegetation Present?</b> <b>Yes</b> _____ <b>No</b> <u>X</u>  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-B-Up

[illegible]



**Upland GP2-B-Up**



**Upland GP2-B-Up- Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-C-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Ridges and hills Local relief (concave, convex, none): Convex Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 12.00" Long: -73° 27' 21.00" Datum:         
 Soil Map Unit Name: Hollis rock outcrop NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |                               |   |
|--|-------------------------------|---|
| Hydrophytic Vegetation Present?  | Yes <u>X</u> No <u>      </u> | <b>Is the Sampled Area<br/>within a Wetland?</b> Yes <u>X</u> No <u>      </u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?   | Yes <u>X</u> No <u>      </u> |   |
| Wetland Hydrology Present?   | Yes <u>X</u> No <u>      </u> |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br>Shallow emergent marsh. |                               |   |

## HYDROLOGY

|  |  |  |
|--|--|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) |  | <u>Secondary Indicators (minimum of two required)</u><br><input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>6</u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>0</u><br>(includes capillary fringe)   |  | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>      </u>  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |  |
| Remarks:   |  |  |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-C-Wet

| Tree Stratum (Plot size: <u>30'</u> )                 | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|---|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. <u>Salix nigra</u>                                 | 5                   | Yes               | OBL              | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | 5                   | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                     | Multiply by:        |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                     | x 1 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                    | x 2 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                     | x 3 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                    | x 4 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                     | x 5 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                  | (A) _____ (B) _____ |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                        |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u> )</b> |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Herb Stratum (Plot size: <u>5'</u> )</b>           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Typha angustifolia</u>                          | 25                  | Yes               | OBL              | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Lythrum salicaria</u>                           | 15                  | Yes               | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Pontederia cordata</u>                          | 5                   | No                | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Eutrochium maculatum</u>                        | 10                  | No                | OBL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Solidago canadensis</u>                         | 10                  | No                | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. <u>Phalaris arundinacea</u>                        | 5                   | No                | FACW             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | 70                  | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Woody Vine Stratum (Plot size: <u>15'</u> )</b>    |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   |                     | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Definitions of Vegetation Strata:  
  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes X      No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-C-Wet

[illegible]



**Wetland GP2-C-Wet**



**Wetland GP2-C-Wet- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 2-MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-C-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Ridges and Hills Local relief (concave, convex, none): Convex Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 12.00" Long: -73° 27'21.00" Datum:         
 Soil Map Unit Name: Hollis rock outcrop NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |                   |             |  |
|---|-------------------|-------------|--|
| Hydrophytic Vegetation Present?   | Yes <u>      </u> | No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>      </u> No <u>X</u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?  | Yes <u>      </u> | No <u>X</u> |  |
| Wetland Hydrology Present?  | Yes <u>      </u> | No <u>X</u> |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br>Successional old field |                   |             |  |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>      </u> Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>      </u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>      </u> Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>      </u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>      </u> No <u>X</u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-C-Up

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |
|---|------------------|-------------------|------------------|--|
| 1. <u><i>Pinus strobus</i></u>                        | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>8</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)   |
| 2. <u><i>Prunus serotina</i></u>                      | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |
| 3. _____  | _____            | _____             | _____            |  |
| 4. _____  | _____            | _____             | _____            |  |
| 5. _____  | _____            | _____             | _____            |  |
| 6. _____  | _____            | _____             | _____            |  |
| 7. _____  | _____            | _____             | _____            |  |
|   | <u>10</u>        | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><div style="display: flex; justify-content: space-between;"> <span>Total % Cover of:</span> <span>Multiply by:</span> </div> OBL species _____ x 1 = _____<br>FACW species _____ x 2 = _____<br>FAC species _____ x 3 = _____<br>FACU species _____ x 4 = _____<br>UPL species _____ x 5 = _____<br>Column Totals: _____ (A) _____ (B)<br>Prevalence Index = B/A = _____   |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                  |                   |                  |  |
| 1. <u><i>Rhus typhina</i></u>                         | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |
| 2. <u><i>Lonicera tatarica</i></u>                    | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 3. <u><i>Zanthoxylum americanum</i></u>               | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 4. _____  | _____            | _____             | _____            |  |
| 5. _____  | _____            | _____             | _____            |  |
| 6. _____  | _____            | _____             | _____            |  |
| 7. _____  | _____            | _____             | _____            | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
|   | <u>30</u>        | =Total Cover      |                  |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                  |                   |                  |  |
| 1. <u><i>Trifolium pratense</i></u>                   | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 2. <u><i>Melilotus albus</i></u>                      | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |
| 3. <u><i>Daucus carota</i></u>                        | <u>5</u>         | <u>No</u>         | <u>UPL</u>       |  |
| 4. <u><i>Solidago altissima</i></u>                   | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 5. <u><i>Centaurea stoebe</i></u>                     | <u>10</u>        | <u>Yes</u>        | <u>UPL</u>       |  |
| 6. _____  | _____            | _____             | _____            |  |
| 7. _____  | _____            | _____             | _____            |  |
| 8. _____  | _____            | _____             | _____            |  |
| 9. _____  | _____            | _____             | _____            |  |
| 10. _____   | _____            | _____             | _____            |  |
| 11. _____   | _____            | _____             | _____            |  |
| 12. _____   | _____            | _____             | _____            |  |
|   | <u>45</u>        | =Total Cover      |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.                         |
| <u>Woody Vine Stratum</u> (Plot size: <u>15'</u> )    |                  |                   |                  |  |
| 1. <u><i>Parthenocissus quinquefolia</i></u>          | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |
| 2. _____  | _____            | _____             | _____            |  |
| 3. _____  | _____            | _____             | _____            |  |
| 4. _____  | _____            | _____             | _____            |  |
|   | <u>5</u>         | =Total Cover      |                  |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-C-Up

[illegible]



**Upland GP2-C-Up**



**Upland GP2-C-Up- Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-D-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Ridges and hills Local relief (concave, convex, none): Convex Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 13.00' Long: -73° 27' 21.00" Datum:         
 Soil Map Unit Name: Hollis rock outcrop NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|   |   |
|---|---|
| Hydrophytic Vegetation Present? Yes <u>X</u> No <u>      </u><br>Hydric Soil Present? Yes <u>X</u> No <u>      </u><br>Wetland Hydrology Present? Yes <u>X</u> No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No <u>      </u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br>Shrub swamp  |   |

## HYDROLOGY

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <u>Secondary Indicators (minimum of two required)</u><br><input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>4</u><br>Water Table Present? Yes <u>      </u> No <u>      </u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>0</u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>      </u>   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:<br><br><br>Remarks:<br>Fringe type wetland connected to stream GP2-S3.   |   |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-D-Wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover    | Dominant Species?   | Indicator Status |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|---|---------------------|---------------------|------------------|---|--|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. <u><i>Ulmus americana</i></u>                      | <u>5</u>            | <u>Yes</u>          | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>5</u>            | <u>=Total Cover</u> |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of:  | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                     | Multiply by:        |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                     | x 1 = _____         |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                    | x 2 = _____         |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                     | x 3 = _____         |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                    | x 4 = _____         |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                     | x 5 = _____         |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                  | (A) _____ (B) _____ |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                        |                     |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                     |                     |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Lonicera tatarica</i></u>                    | <u>15</u>           | <u>Yes</u>          | <u>FACU</u>      |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u><i>Cornus racemosa</i></u>                      | <u>10</u>           | <u>Yes</u>          | <u>FAC</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u><i>Populus deltoides</i></u>                    | <u>10</u>           | <u>Yes</u>          | <u>FAC</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u><i>Salix purpurea</i></u>                       | <u>5</u>            | <u>No</u>           | <u>FACW</u>      |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u><i>Alnus incana</i></u>                         | <u>5</u>            | <u>No</u>           | <u>FACW</u>      |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____               | _____            | <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>45</u>           | <u>=Total Cover</u> |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                     |                     |                  |   | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height. |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Typha angustifolia</i></u>                   | <u>15</u>           | <u>Yes</u>          | <u>OBL</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u><i>Symplocarpus foetidus</i></u>                | <u>5</u>            | <u>No</u>           | <u>OBL</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u><i>Lythrum salicaria</i></u>                    | <u>10</u>           | <u>Yes</u>          | <u>OBL</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u><i>Pontederia cordata</i></u>                   | <u>5</u>            | <u>No</u>           | <u>OBL</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u><i>Eutrochium maculatum</i></u>                 | <u>5</u>            | <u>No</u>           | <u>OBL</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____   | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____   | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____   | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>40</u>           | <u>=Total Cover</u> |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____  |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>15'</u> )    |                     |                     |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Toxicodendron radicans</i></u>               | <u>5</u>            | <u>Yes</u>          | <u>FAC</u>       |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____               | _____            |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>5</u>            | <u>=Total Cover</u> |                  |   |  |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-D-Wet

[illegible]



**Wetland GP2-D-Wet**



**Wetland GP2-D-Wet- Soils**

**Segment 3 - Package 2**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-D-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Ridges and hills Local relief (concave, convex, none): Convex Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 13.00" Long: -73° 27' 21.00" Datum:         
 Soil Map Unit Name: Hollis rock outcrop NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |                               |   |
|--|-------------------------------|---|
| Hydrophytic Vegetation Present?  | Yes <u>      </u> No <u>X</u> | <b>Is the Sampled Area within a Wetland?</b> Yes <u>      </u> No <u>X</u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?   | Yes <u>      </u> No <u>X</u> |   |
| Wetland Hydrology Present?   | Yes <u>      </u> No <u>X</u> |   |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br>Successional old field. |                               |   |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>      </u> Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>      </u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>      </u> Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>      </u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>(includes capillary fringe)  | <b>Wetland Hydrology Present?</b> Yes <u>      </u> No <u>X</u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |   |   |
| Remarks:  |   |   |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-D-Up

| Tree Stratum (Plot size: <u>30'</u> )                | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|--|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. <u>Acer saccharum</u>                             | 5                   | Yes               | FACU             | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Fraxinus americana</u>                         | 5                   | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  | 10                  | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                    | Multiply by:        |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                    | x 1 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                   | x 2 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                    | x 3 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                   | x 4 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                    | x 5 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                 | (A) _____ (B) _____ |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                       |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Sapling/Shrub Stratum (Plot size: <u>15'</u>)</b> |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Rhus typhina</u>                               | 5                   | Yes               | UPL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  | 5                   | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Herb Stratum (Plot size: <u>5'</u>)</b>           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Daucus carota</u>                              | 10                  | Yes               | UPL              | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Trifolium pratense</u>                         | 10                  | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Pastinaca sativa</u>                           | 5                   | No                | UPL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Solidago canadensis</u>                        | 15                  | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Cichorium intybus</u>                          | 5                   | No                | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____  |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  | 45                  | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Woody Vine Stratum (Plot size: <u>15'</u>)</b>    |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. _____   |                     |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|  |                     | =Total Cover      |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>  X  </u>  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: GP2-D-Up

[illegible]



**Upland GP2-D-Up**



**Upland GP2-D-Up- Soils**

**Segment 3 - Package 2**

## **SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 2- MP 120.9 City/County: Fort Ann/ Washington Sampling Date: 8/4/2022  
 Applicant/Owner: CHPE State: NY Sampling Point: GP2-E-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Fort Ann  
 Landform (hillside, terrace, etc.): Ridges and hills Local relief (concave, convex, none): convex Slope (%):         
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43° 26' 11.00" Long: -73° 27' 18.00" Datum:         
 Soil Map Unit Name: Hollis rock outcrop NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No        (If no, explain in Remarks.)  
 Are Vegetation       , Soil       , or Hydrology        significantly disturbed? Are "Normal Circumstances" present? Yes X No         
 Are Vegetation       , Soil       , or Hydrology        naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |              |                  |  |
|--|--------------|------------------|--|
| Hydrophytic Vegetation Present?  | Yes <u>X</u> | No <u>      </u> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <u>X</u> No <u>      </u><br>If yes, optional Wetland Site ID: <u>      </u> |
| Hydric Soil Present?   | Yes <u>X</u> | No <u>      </u> |  |
| Wetland Hydrology Present?   | Yes <u>X</u> | No <u>      </u> |  |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><br>Shallow emergent marsh. |              |                  |  |

## HYDROLOGY

|   |   |   |
|---|---|---|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br><u>      </u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9)<br><u>      </u> High Water Table (A2) <u>      </u> Aquatic Fauna (B13)<br><u>      </u> Saturation (A3) <u>      </u> Marl Deposits (B15)<br><u>      </u> Water Marks (B1) <u>      </u> Hydrogen Sulfide Odor (C1)<br><u>      </u> Sediment Deposits (B2) <u>      </u> Oxidized Rhizospheres on Living Roots (C3)<br><u>      </u> Drift Deposits (B3) <u>      </u> Presence of Reduced Iron (C4)<br><u>      </u> Algal Mat or Crust (B4) <u>      </u> Recent Iron Reduction in Tilled Soils (C6)<br><u>      </u> Iron Deposits (B5) <u>X</u> Thin Muck Surface (C7)<br><u>      </u> Inundation Visible on Aerial Imagery (B7) <u>      </u> Other (Explain in Remarks)<br><u>      </u> Sparsely Vegetated Concave Surface (B8) |   | <u>Secondary Indicators (minimum of two required)</u><br><u>      </u> Surface Soil Cracks (B6)<br><u>X</u> Drainage Patterns (B10)<br><u>      </u> Moss Trim Lines (B16)<br><u>      </u> Dry-Season Water Table (C2)<br><u>      </u> Crayfish Burrows (C8)<br><u>      </u> Saturation Visible on Aerial Imagery (C9)<br><u>      </u> Stunted or Stressed Plants (D1)<br><u>      </u> Geomorphic Position (D2)<br><u>      </u> Shallow Aquitard (D3)<br><u>      </u> Microtopographic Relief (D4)<br><u>X</u> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Water Table Present? Yes <u>      </u> No <u>X</u> Depth (inches): <u>      </u><br>Saturation Present? Yes <u>X</u> No <u>      </u> Depth (inches): <u>0</u><br>(includes capillary fringe)   | <b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>      </u> |   |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:<br><br>  |   |   |
| Remarks:<br><br>  |   |   |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: GP2-E-Wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|---|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____  | _____               | _____             | _____            | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| =Total Cover  |                     |                   |                  | <b>Prevalence Index worksheet:</b><br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ |  |
| Total % Cover of:                                     | Multiply by:        |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| OBL species _____                                     | x 1 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACW species _____                                    | x 2 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FAC species _____                                     | x 3 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| FACU species _____                                    | x 4 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| UPL species _____                                     | x 5 = _____         |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Column Totals: _____                                  | (A) _____ (B) _____ |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| Prevalence Index = B/A = _____                        |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Salix nigra</u>                                 | <u>10</u>           | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Rhus typhina</u>                                | <u>5</u>            | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Cornus amomum</u>                               | <u>10</u>           | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><u>X</u> <u>2</u> - Dominance Test is >50%<br><u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup><br><u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><u>  </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>25</u> =Total Cover                                |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Typha angustifolia</u>                          | <u>20</u>           | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u>Lythrum salicaria</u>                           | <u>15</u>           | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u>Bidens frondosa</u>                             | <u>15</u>           | <u>Yes</u>        | <u>FACW</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u>Lysimachia nummularia</u>                       | <u>5</u>            | <u>No</u>         | <u>FACW</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. <u>Phalaris arundinacea</u>                        | <u>5</u>            | <u>No</u>         | <u>FACW</u>      |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>60</u> =Total Cover                                |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>15'</u> )    |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u>Toxicodendron radicans</u>                      | <u>5</u>            | <u>Yes</u>        | <u>FAC</u>       |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>5</u> =Total Cover                                 |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

Remarks: (Include photo numbers here or on a separate sheet.)