

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE City/County: Coeymans/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: TA UpI  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 45  
 Subregion (LRR or MLRA): LRR R Lat: 42.490450 Long: -73.816792 Datum: NAD83  
 Soil Map Unit Name: RhA, RhB - Rhinebeck silty clay loam NWI classification: \_\_\_\_\_

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: <u>Upland adjacent to Wetland TA near TA-10</u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Railroad embankment.   |   |

**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: TA Upl

|  | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
|--|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-----------------------|-----------------|----------------------|-----------------|------------------------------|---------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )  |                  |                   |                  | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)  |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 1.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 2.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 3.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 4.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 5.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 6.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 7.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| _____ =Total Cover   |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border-collapse: collapse;"> <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>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>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>10</u> (A)</td> <td><u>45</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.50</u></td> </tr> </tbody> </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>5</u> | x 4 = <u>20</u> | UPL species <u>5</u> | x 5 = <u>25</u> | Column Totals: <u>10</u> (A) | <u>45</u> (B) | Prevalence Index = B/A = <u>4.50</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>5</u>  | x 4 = <u>20</u>  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| UPL species <u>5</u>   | x 5 = <u>25</u>  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| Column Totals: <u>10</u> (A)   | <u>45</u> (B)    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| Prevalence Index = B/A = <u>4.50</u>   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> )   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 1. <u>Juniperus virginiana</u>   | <u>2</u>         | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 2.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 3.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 4.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 5.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 6.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 7.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| _____ =Total Cover   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 1. <u>Artemisia vulgaris</u>   | <u>5</u>         | Yes               | UPL              |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 2. <u>Solidago canadensis</u>  | <u>2</u>         | Yes               | FACU             |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 3. <u>Juniperus virginiana</u>   | <u>1</u>         | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| 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   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
| <b>Hydrophytic Vegetation Indicators:</b><br>___ 1 - Rapid Test for Hydrophytic Vegetation<br>___ 2 - Dominance Test is >50%<br>___ 3 - Prevalence Index is ≤3.0 <sup>1</sup><br>___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br>___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                 |                      |                 |                              |               |                                      |  |
|  |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<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.)





**Upland TA- View facing south**



**Upland TA- Soils**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Coeymans/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: W-A-9 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: 42.486651 Long: -73.816056 Datum: WGS84  
 Soil Map Unit Name: RhA- Rhinebeck silty clay loam 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 x, 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 _____<br>Wetland Hydrology 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: _____ |
|--|---|

Remarks: (Explain alternative procedures here or in a separate report.)  
 Forested wetland with disturbed soils (gravel/ cinders).

**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><u>X</u> 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 <u>x</u> No _____ Depth (inches): <u>0.5</u><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:  
 adjacent to stream W-S1

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

Sampling Point: W-A-9 wet

|   | Absolute % Cover   | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
|---|--------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|------------------|------------------------|-----------------|----------------------|----------------|---------------------------|--------------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Populus deltoides</u>                           | 60                 | Yes               | FAC              | <b>Dominance Test worksheet:</b><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>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 2. <u>Rhamnus cathartica</u>                          | 5                  | No                | FAC              |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 3. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
|   | <u>65</u>          | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Fraxinus pennsylvanica</u>                      | 45                 | Yes               | FACW             | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border:none;"> <tr> <td style="text-align:right;">Total % Cover of:</td> <td style="text-align:center;">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>125</u></td> <td>x 2 = <u>250</u></td> </tr> <tr> <td>FAC species <u>83</u></td> <td>x 3 = <u>249</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>228</u></td> <td>(A) <u>579</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.54</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>125</u> | x 2 = <u>250</u> | FAC species <u>83</u> | x 3 = <u>249</u> | FACU species <u>20</u> | x 4 = <u>80</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>228</u> | (A) <u>579</u> (B) | Prevalence Index = B/A = <u>2.54</u> |  |
| Total % Cover of:                                     | Multiply by:       |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| OBL species <u>0</u>                                  | x 1 = <u>0</u>     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| FACW species <u>125</u>                               | x 2 = <u>250</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| FAC species <u>83</u>                                 | x 3 = <u>249</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| FACU species <u>20</u>                                | x 4 = <u>80</u>    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| UPL species <u>0</u>                                  | x 5 = <u>0</u>     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| Column Totals: <u>228</u>                             | (A) <u>579</u> (B) |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| Prevalence Index = B/A = <u>2.54</u>                  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 2. <u>Lonicera tatarica</u>                           | 5                  | No                | FACU             |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 3. <u>Rhamnus cathartica</u>                          | 10                 | No                | FAC              |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
|   | <u>60</u>          | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Pilea pumila</u>                                | 75                 | Yes               | FACW             | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><input type="checkbox"/> 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>                      | 5                  | No                | FACW             |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 3. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 8. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 9. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 10. _____   |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 11. _____   |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 12. _____   |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
|   | <u>80</u>          | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30'</u> )    |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Vitis aestivalis</u>                            | 10                 | Yes               | FACU             | <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. <u>Parthenocissus quinquefolia</u>                 | 5                  | Yes               | FACU             |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 3. <u>Toxicodendron radicans</u>                      | 8                  | Yes               | FAC              |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____  |                    |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |
|   | <u>23</u>          | =Total Cover      |                  |  |                   |              |                      |                |                         |                  |                       |                  |                        |                 |                      |                |                           |                    |                                      |  |

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





**Wetland W-A-9- View facing southeast**



**Wetland W-A-9- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Coeymans/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: W-A-9 upl  
 Investigator(s): N. Frazer & C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R Lat: 42.486581 Long: -73.816133 Datum: WGS84  
 Soil Map Unit Name: RhA- Rhinebeck silty clay loam 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.)   |   |

**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) |
|--|---|

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|--|---|
| <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: W-A-9 upl

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )                             | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| 1. <u>Quercus alba</u>   | 50               | Yes               | FACU             | <b>Dominance Test worksheet:</b><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. <u>Tilia americana</u>  | 40               | Yes               | FACU             |  |
| 3. _____   |                  |                   |                  |  |
| 4. _____   |                  |                   |                  |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
|  | 90               | =Total Cover      |                  |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> )                    | Absolute % Cover | Dominant Species? | Indicator Status |  |
| 1. <u>Fraxinus americana</u>   | 70               | Yes               | FACU             | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>OBL species <u>0</u> x 1 = <u>0</u><br>FACW species <u>0</u> x 2 = <u>0</u><br>FAC species <u>35</u> x 3 = <u>105</u><br>FACU species <u>203</u> x 4 = <u>812</u><br>UPL species <u>0</u> x 5 = <u>0</u><br>Column Totals: <u>238</u> (A) <u>917</u> (B)<br>Prevalence Index = B/A = <u>3.85</u>   |
| 2. <u>Rhamnus cathartica</u>   | 10               | No                | FAC              |  |
| 3. <u>Lonicera tatarica</u>  | 5                | No                | FACU             |  |
| 4. _____   |                  |                   |                  |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
|  | 85               | =Total Cover      |                  |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )                              | Absolute % Cover | Dominant Species? | Indicator Status |  |
| 1. <u>Rhamnus cathartica</u>   | 5                | No                | FAC              | <b>Hydrophytic Vegetation Indicators:</b><br>___ 1 - Rapid Test for Hydrophytic Vegetation<br>___ 2 - Dominance Test is >50%<br>___ 3 - Prevalence Index is ≤3.0 <sup>1</sup><br>___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br>___ 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>Prunus serotina</u>  | 35               | Yes               | FACU             |  |
| 3. <u>Cornus racemosa</u>  | 10               | No                | FAC              |  |
| 4. <u>Sanguinaria canadensis</u>   | 1                | No                | FACU             |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
| 8. _____   |                  |                   |                  |  |
| 9. _____   |                  |                   |                  |  |
| 10. _____  |                  |                   |                  |  |
| 11. _____  |                  |                   |                  |  |
| 12. _____  |                  |                   |                  |  |
|  | 51               | =Total Cover      |                  |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )                       | Absolute % Cover | Dominant Species? | Indicator Status |  |
| 1. <u>Toxicodendron radicans</u>   | 10               | Yes               | FAC              | <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. <u>Parthenocissus quinquefolia</u>                                    | 2                | No                | FACU             |  |
| 3. _____   |                  |                   |                  |  |
| 4. _____   |                  |                   |                  |  |
|  | 12               | =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 W-A-9 upl

| <b>Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)</b> |               |     |                |   |                   |                  |              |         |
|--|---------------|-----|----------------|---|-------------------|------------------|--------------|---------|
| Depth<br>(inches)  | Matrix        |     | Redox Features |   |                   |                  | Texture      | Remarks |
|  | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |              |         |
| 0-4  | 10YR 2/1      | 100 |                |   |                   |                  | Loamy/Clayey |         |
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**Upland W-A-9- View facing west**



**Upland W-A-9- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**  
**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/21  
 Applicant/Owner: CHA State: NY Sampling Point: UA-3  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.48621 Long: -73.81508 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland UA   |   |

### 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><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) <u>X</u> 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 <u>X</u> No _____ Depth (inches): <u>6</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>4</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: UA-3

|  | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|------------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 1. _____   | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><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><table style="width:100%; border-collapse: collapse;"> <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>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>100</u></td> <td>x 2 = <u>200</u></td> </tr> <tr> <td>FAC species <u>65</u></td> <td>x 3 = <u>195</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>395</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.39</u></td> </tr> </tbody> </table> | Total % Cover of: | Multiply by: | OBL species <u>0</u> | x 1 = <u>0</u> | FACW species <u>100</u> | x 2 = <u>200</u> | FAC species <u>65</u> | x 3 = <u>195</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>395</u> (B) | Prevalence Index = B/A = <u>2.39</u> |  |
| Total % Cover of:                                    | Multiply by:     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                 | x 1 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>100</u>                              | x 2 = <u>200</u> |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>65</u>                                | x 3 = <u>195</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>395</u> (B)   |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.39</u>                 |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Rhamnus cathartica</u>                         | <u>40</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                   |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><u>1</u> - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> <u>2</u> - Dominance Test is >50%<br><input checked="" type="checkbox"/> <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</b> (Plot size: <u>5</u> )           |                  |                   |                  |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Solidago</u>                                   | <u>25</u>        | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Lythrum salicaria</u>                          | <u>40</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 3. <u>Persicaria</u>                                 | <u>60</u>        | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                      |                |                         |                  |                       |                  |                       |                |                      |                |                               |                |                                      |  |
| 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.)





**Wetland UA- View facing south**



**Wetland UA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE City/County: Coeymans/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: UA Upl  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 45  
 Subregion (LRR or MLRA): LRR R Lat: 42.486199 Long: -73.815060 Datum: NAD83  
 Soil Map Unit Name: RhA, RhB - Rhinebeck silty clay loam NWI classification: \_\_\_\_\_

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: <u>Upland adjacent to Wetland UA</u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Railroad embankment.   |  |

**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: UA Upl

|  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |  |
|--|---------------------|----------------------|---------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                     |                      |                     |  |
| 1. <u>Juniperus virginiana</u>                       | 5                   | Yes                  | FACU                |  |
| 2. _____   |                     |                      |                     |  |
| 3. _____   |                     |                      |                     |  |
| 4. _____   |                     |                      |                     |  |
| 5. _____   |                     |                      |                     |  |
| 6. _____   |                     |                      |                     |  |
| 7. _____   |                     |                      |                     |  |
|  | 5                   | =Total Cover         |                     |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                     |                      |                     |  |
| 1. _____   |                     |                      |                     |  |
| 2. _____   |                     |                      |                     |  |
| 3. _____   |                     |                      |                     |  |
| 4. _____   |                     |                      |                     |  |
| 5. _____   |                     |                      |                     |  |
| 6. _____   |                     |                      |                     |  |
| 7. _____   |                     |                      |                     |  |
|  |                     | =Total Cover         |                     |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                     |                      |                     |  |
| 1. <u>Equisetum arvense</u>                          | 20                  | Yes                  | FAC                 |  |
| 2. <u>Solidago canadensis</u>                        | 2                   | No                   | FACU                |  |
| 3. <u>Ambrosia artemisiifolia</u>                    | 2                   | No                   | FACU                |  |
| 4. _____   |                     |                      |                     |  |
| 5. _____   |                     |                      |                     |  |
| 6. _____   |                     |                      |                     |  |
| 7. _____   |                     |                      |                     |  |
| 8. _____   |                     |                      |                     |  |
| 9. _____   |                     |                      |                     |  |
| 10. _____  |                     |                      |                     |  |
| 11. _____  |                     |                      |                     |  |
| 12. _____  |                     |                      |                     |  |
|  | 24                  | =Total Cover         |                     |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                     |                      |                     |  |
| 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>20</u>                | x 3 = <u>60</u> |
| FACU species <u>9</u>                | x 4 = <u>36</u> |
| UPL species <u>0</u>                 | x 5 = <u>0</u>  |
| Column Totals: <u>29</u> (A)         | <u>96</u> (B)   |
| Prevalence Index = B/A = <u>3.31</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.)





**Upland UA- View facing southeast**



**Upland UA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/21  
 Applicant/Owner: CHA State: NY Sampling Point: VA-5  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.48298 Long: -73.81370 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland VA   |   |

### 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) _____ Water-Stained Leaves (B9)<br><input checked="" type="checkbox"/> High Water Table (A2) _____ Aquatic Fauna (B13)<br><input checked="" type="checkbox"/> 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) <input checked="" type="checkbox"/> 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 <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:

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

Sampling Point: VA-5

|  | Absolute % Cover            | Dominant Species? | Indicator Status |      |
|--|-----------------------------|-------------------|------------------|------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                             |                   |                  |      |
| 1.   |                             |                   |                  |      |
| 2.   |                             |                   |                  |      |
| 3.   |                             |                   |                  |      |
| 4.   |                             |                   |                  |      |
| 5.   |                             |                   |                  |      |
| 6.   |                             |                   |                  |      |
| 7.   |                             |                   |                  |      |
|  |                             | =Total Cover      |                  |      |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                             |                   |                  |      |
| 1.   | <u>Cornus sericea</u>       | 15                | Yes              | FACW |
| 2.   |                             |                   |                  |      |
| 3.   |                             |                   |                  |      |
| 4.   |                             |                   |                  |      |
| 5.   |                             |                   |                  |      |
| 6.   |                             |                   |                  |      |
| 7.   |                             |                   |                  |      |
|  |                             | 15 =Total Cover   |                  |      |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                             |                   |                  |      |
| 1.   | <u>Phragmites australis</u> | 70                | Yes              | OBL  |
| 2.   | <u>Lythrum salicaria</u>    | 45                | Yes              | FACW |
| 3.   |                             |                   |                  |      |
| 4.   |                             |                   |                  |      |
| 5.   |                             |                   |                  |      |
| 6.   |                             |                   |                  |      |
| 7.   |                             |                   |                  |      |
| 8.   |                             |                   |                  |      |
| 9.   |                             |                   |                  |      |
| 10.  |                             |                   |                  |      |
| 11.  |                             |                   |                  |      |
| 12.  |                             |                   |                  |      |
|  |                             | 115 =Total Cover  |                  |      |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                             |                   |                  |      |
| 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)

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**Prevalence Index worksheet:**

|                          | Total % Cover of: | Multiply by: |                |
|--------------------------|-------------------|--------------|----------------|
| OBL species              | <u>70</u>         | x 1 =        | <u>70</u>      |
| FACW species             | <u>60</u>         | x 2 =        | <u>120</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>130</u>        | (A)          | <u>190</u> (B) |
| Prevalence Index = B/A = |                   |              | <u>1.46</u>    |

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**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.

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**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.

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**Hydrophytic Vegetation Present?**      Yes   x        No

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





**Wetland VA- View facing south**



**Wetland VA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/2021  
 Applicant/Owner: CHA State: NY Sampling Point: VA-8 UPL  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.48178 Long: -73.81793 Datum: \_\_\_\_\_  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation No, Soil No, or Hydrology No 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>Upland for WL VA   |   |

**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>C   |   |
| Remarks:  |   |

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

Sampling Point: VA-8 UPL

|  | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|------------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u><i>Acer saccharum</i></u>                      | <u>20</u>        | Yes               | FACU             | <b>Dominance Test worksheet:</b><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)<br><br><b>Prevalence Index worksheet:</b><br><table style="width:100%; border-collapse: collapse;"> <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>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>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals: <u>160</u> (A)</td> <td><u>610</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>3.81</u></td> </tr> </tbody> </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>90</u> | x 4 = <u>360</u> | UPL species <u>20</u> | x 5 = <u>100</u> | Column Totals: <u>160</u> (A) | <u>610</u> (B) | Prevalence Index = B/A = <u>3.81</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>90</u>                               | x 4 = <u>360</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>20</u>                                | x 5 = <u>100</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>160</u> (A)                        | <u>610</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.81</u>                 |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <u>20</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u><i>Lonicera</i></u>                            | <u>40</u>        | Yes               | FACU             | <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.   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <u>40</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u><i>Rosa multiflora</i></u>                     | <u>10</u>        | No                | FACU             | <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>  </u> No <u>  x  </u>   |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. <u><i>Solidago</i></u>                            | <u>20</u>        | Yes               | FACU             |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. <u><i>Astragalus</i></u>                          | <u>50</u>        | Yes               | FAC              |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 5. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 6. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 7. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 8. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 9. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 10. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 11. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 12. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <u>80</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 1. <u><i>Celastrus orbiculatus</i></u>               | <u>20</u>        | Yes               | UPL              |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 2. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 3. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| 4. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |
| <u>20</u> =Total Cover                               |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                  |                        |                  |                       |                  |                               |                |                                      |  |

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





**Upland VA- View facing south**



**Upland VA- Soils**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-A-5 wet  
 Investigator(s): N. Frazer & 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: 42.479462 Long: -73.814788 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land- Udorthents 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>forested wetland-manipulated area  |   |

**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) _____ Water-Stained Leaves (B9)<br><input type="checkbox"/> High Water Table (A2) _____ Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) _____ Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Drift Deposits (B3) _____ Presence of Reduced Iron (C4)<br><input type="checkbox"/> Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Iron Deposits (B5) _____ Thin Muck Surface (C7)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) _____ 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 checked="" 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 <u>x</u> No _____ Depth (inches): <u>0.5</u><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:  
 adjacent to stream FL-S1

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

Sampling Point: FL-A-5 wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |
|---|------------------|-------------------|------------------|---|
| 1. <u>Populus deltoides</u>                           | 65               | Yes               | FAC              | <b>Dominance Test worksheet:</b><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>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)   |
| 2. <u>Rhamnus cathartica</u>                          | 30               | Yes               | FAC              |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
|   | 95 =Total Cover  |                   |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>OBL species <u>0</u> x 1 = <u>0</u><br>FACW species <u>95</u> x 2 = <u>190</u><br>FAC species <u>95</u> x 3 = <u>285</u><br>FACU species <u>10</u> x 4 = <u>40</u><br>UPL species <u>0</u> x 5 = <u>0</u><br>Column Totals: <u>200</u> (A) <u>515</u> (B)<br>Prevalence Index = B/A = <u>2.58</u>   |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                  |                   |                  |   |
| 1. <u>Fraxinus pennsylvanica</u>                      | 10               | Yes               | FACW             |   |
| 2. <u>Rosa multiflora</u>                             | 5                | Yes               | FACU             |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
|   | 15 =Total Cover  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><input type="checkbox"/> 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>Impatiens capensis</u>                          | 85               | Yes               | FACW             |   |
| 2. _____  |                  |                   |                  |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
| 8. _____  |                  |                   |                  |   |
| 9. _____  |                  |                   |                  |   |
| 10. _____   |                  |                   |                  |   |
| 11. _____   |                  |                   |                  |   |
| 12. _____   |                  |                   |                  |   |
|   | 85 =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>30'</u> )    |                  |                   |                  |   |
| 1. <u>Parthenocissus quinquefolia</u>                 | 5                | Yes               | FACU             |   |
| 2. _____  |                  |                   |                  |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
|   | 5 =Total Cover   |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  |

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





**Wetland FL-A-5- View facing south**



**Wetland FL-A-5- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**  
**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-A-5 upl  
 Investigator(s): N. Frazer & C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): roadside Local relief (concave, convex, none): none Slope %: 3  
 Subregion (LRR or MLRA): LRR R Lat: 42.479499 Long: -73.814799 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land-Udorthents 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><u>roadside-gravel</u>   |   |

**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: FL-A-5 upl

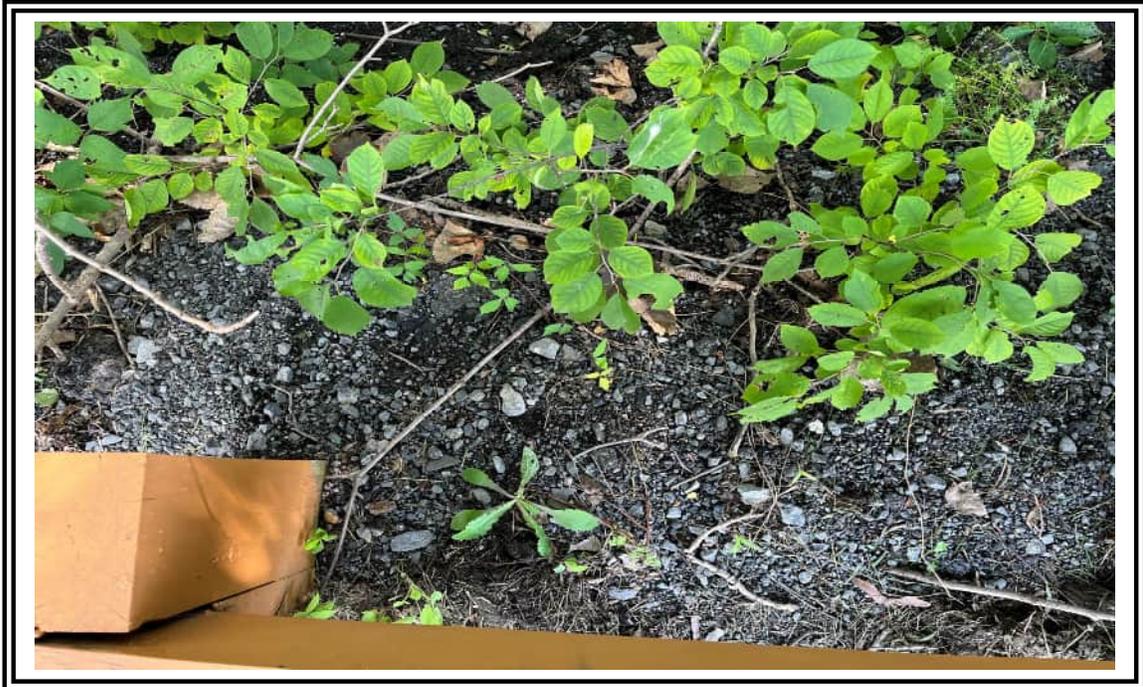
|  | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )                             |                  |                   |                  |  |
| 1. <u><i>Acer saccharum</i></u>  | 95               | Yes               | FACU             | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>40.0%</u> (A/B)  |
| 2. _____   | _____            | _____             | _____            |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
| 95 =Total Cover  |                  |                   |                  |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )                    |                  |                   |                  |  |
| 1. <u><i>Acer saccharum</i></u>  | 10               | Yes               | FACU             | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>OBL species <u>0</u> x 1 = <u>0</u><br>FACW species <u>0</u> x 2 = <u>0</u><br>FAC species <u>35</u> x 3 = <u>105</u><br>FACU species <u>126</u> x 4 = <u>504</u><br>UPL species <u>0</u> x 5 = <u>0</u><br>Column Totals: <u>161</u> (A) <u>609</u> (B)<br>Prevalence Index = B/A = <u>3.78</u>   |
| 2. <u><i>Rhamnus cathartica</i></u>                                      | 25               | Yes               | FAC              |  |
| 3. <u><i>Rosa multiflora</i></u>   | 5                | No                | FACU             |  |
| 4. _____   | _____            | _____             | _____            |  |
| 5. _____   | _____            | _____             | _____            |  |
| 6. _____   | _____            | _____             | _____            |  |
| 7. _____   | _____            | _____             | _____            |  |
| 40 =Total Cover  |                  |                   |                  |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )                              |                  |                   |                  |  |
| 1. <u><i>Taraxacum officinale</i></u>                                    | 1                | No                | FACU             | <b>Hydrophytic Vegetation Indicators:</b><br>___ 1 - Rapid Test for Hydrophytic Vegetation<br>___ 2 - Dominance Test is >50%<br>___ 3 - Prevalence Index is ≤3.0 <sup>1</sup><br>___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br>___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<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. _____  | _____            | _____             | _____            |  |
| 1 =Total Cover   |                  |                   |                  |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30'</u> )                       |                  |                   |                  |  |
| 1. <u><i>Parthenocissus quinquefolia</i></u>                             | 15               | Yes               | FACU             | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.                   |
| 2. <u><i>Toxicodendron radicans</i></u>                                  | 10               | Yes               | FAC              |  |
| 3. _____   | _____            | _____             | _____            |  |
| 4. _____   | _____            | _____             | _____            |  |
| 25 =Total Cover  |                  |                   |                  |  |
| <b>Hydrophytic Vegetation Present?</b> Yes <u>      </u> No <u>  X  </u> |                  |                   |                  |  |

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





**Upland FL-A-5- View facing east**



**Upland FL-A-5- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-B-11 wet  
 Investigator(s): N. Frazer & 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: 42.479572 Long: -73.813394 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land-Udorthents 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| 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>___ 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 <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: FL-B-11 wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover   | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
|---|--------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|------------------------|-----------------|-----------------------|-----------------|-----------------------|----------------|----------------------|----------------|---------------------------|--------------------|--------------------------------------|--|
| 1. _____  | _____              | _____             | _____            | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<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><table style="width:100%; border:none;"> <tr> <td style="width:50%;">Total % Cover of:</td> <td style="width:50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>80</u></td> <td>x 1 = <u>80</u></td> </tr> <tr> <td>FACW species <u>30</u></td> <td>x 2 = <u>60</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>120</u></td> <td>(A) <u>170</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>1.42</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>80</u> | x 1 = <u>80</u> | FACW species <u>30</u> | x 2 = <u>60</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>120</u> | (A) <u>170</u> (B) | Prevalence Index = B/A = <u>1.42</u> |  |
| Total % Cover of:                                     | Multiply by:       |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| OBL species <u>80</u>                                 | x 1 = <u>80</u>    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| FACW species <u>30</u>                                | x 2 = <u>60</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>120</u>                             | (A) <u>170</u> (B) |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| Prevalence Index = B/A = <u>1.42</u>                  |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                    |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 1. <u>Salix alba</u>                                  | <u>15</u>          | <u>Yes</u>        | <u>FACW</u>      |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 2. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 5. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 6. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| _____ =Total Cover                                    |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                    |                   |                  | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<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 _____   |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 1. <u>Symphyotrichum novae-angliae</u>                | <u>5</u>           | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 2. <u>Scirpus atrovirens</u>                          | <u>20</u>          | <u>No</u>         | <u>OBL</u>       |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 3. <u>Lythrum salicaria</u>                           | <u>60</u>          | <u>Yes</u>        | <u>OBL</u>       |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 4. <u>Impatiens capensis</u>                          | <u>10</u>          | <u>No</u>         | <u>FACW</u>      |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 5. <u>Solidago rugosa</u>                             | <u>5</u>           | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 6. <u>Juncus tenuis</u>                               | <u>5</u>           | <u>No</u>         | <u>FAC</u>       |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 7. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 8. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 9. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 10. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 11. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 12. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| _____ =Total Cover                                    |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 1. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 2. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |
| _____ =Total Cover                                    |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                 |                       |                |                      |                |                           |                    |                                      |  |

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





**Wetland FL-B-11- View facing west**



**Wetland FL-B-11- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-B-11 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: 42.479585 Long: -73.813347 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land-Udorthents 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 lawn   |   |

**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: FL-B-11 upl

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
|---|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|-----------------|-------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<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><table style="width:100%; border-collapse: collapse;"> <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>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>102</u></td> <td>x 4 = <u>408</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>107</u> (A)</td> <td><u>423</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.95</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>5</u> | x 3 = <u>15</u> | FACU species <u>102</u> | x 4 = <u>408</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>107</u> (A) | <u>423</u> (B) | Prevalence Index = B/A = <u>3.95</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>5</u>                                  | x 3 = <u>15</u>  |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| FACU species <u>102</u>                               | x 4 = <u>408</u> |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                  | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>107</u> (A)                         | <u>423</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.95</u>                  |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| _____ =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><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<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>Plantago lanceolata</u>                         | <u>20</u>        | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 2. <u>Poa pratensis</u>                               | <u>75</u>        | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 3. <u>Galium boreale</u>                              | <u>5</u>         | <u>No</u>         | <u>FAC</u>       |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 4. <u>Glechoma hederacea</u>                          | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 5. <u>Plantago major</u>                              | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 8. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 9. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 10. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 11. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 12. _____   | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 1. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |  |                   |              |                      |                |                       |                |                      |                 |                         |                  |                      |                |                               |                |                                      |  |

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





**Upland FL-B-11- View facing south**



**Upland FL-B-11- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**  
**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-C-4 wet  
 Investigator(s): N. Frazer & C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): ditch Local relief (concave, convex, none): concave Slope %: 1  
 Subregion (LRR or MLRA): LRR R Lat: 42.479830 Long: -73.812659 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land-Udorthents 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>linear vegetated ditch   |   |

**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) _____ Water-Stained Leaves (B9)<br><input checked="" type="checkbox"/> High Water Table (A2) _____ Aquatic Fauna (B13)<br><input checked="" type="checkbox"/> 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><input checked="" type="checkbox"/> Geomorphic Position (D2)<br>_____ Shallow Aquitard (D3)<br>_____ 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>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: FL-C-4 wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |  |  |
|---|------------------|-------------------|------------------|--|--|
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<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>Total % Cover of: _____ Multiply by: _____<br>OBL species <u>100</u> x 1 = <u>100</u><br>FACW species <u>0</u> x 2 = <u>0</u><br>FAC species <u>15</u> x 3 = <u>45</u><br>FACU species <u>0</u> x 4 = <u>0</u><br>UPL species <u>0</u> x 5 = <u>0</u><br>Column Totals: <u>115</u> (A) <u>145</u> (B)<br>Prevalence Index = B/A = <u>1.26</u>  |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) | Absolute % Cover | Dominant Species? | Indicator Status |  |  |
| 1. <u>Rhamnus cathartica</u>                          | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |  |  |
| 2. _____  | _____            | _____             | _____            |  |  |
| 3. _____  | _____            | _____             | _____            |  |  |
| 4. _____  | _____            | _____             | _____            |  |  |
| 5. _____  | _____            | _____             | _____            |  |  |
| 6. _____  | _____            | _____             | _____            |  |  |
| 7. _____  | _____            | _____             | _____            |  |  |
| _____ =Total Cover                                    |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br>___ 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>___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br>___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<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> )           | Absolute % Cover | Dominant Species? | Indicator Status |  |  |
| 1. <u>Scirpus atrovirens</u>                          | <u>50</u>        | <u>Yes</u>        | <u>OBL</u>       |  |  |
| 2. <u>Euthamia graminifolia</u>                       | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |  |  |
| 3. <u>Lythrum salicaria</u>                           | <u>45</u>        | <u>Yes</u>        | <u>OBL</u>       |  |  |
| 4. <u>Juncus effusus</u>                              | <u>5</u>         | <u>No</u>         | <u>OBL</u>       |  |  |
| 5. _____  | _____            | _____             | _____            |  |  |
| 6. _____  | _____            | _____             | _____            |  |  |
| 7. _____  | _____            | _____             | _____            |  |  |
| 8. _____  | _____            | _____             | _____            |  |  |
| 9. _____  | _____            | _____             | _____            |  |  |
| 10. _____   | _____            | _____             | _____            |  |  |
| 11. _____   | _____            | _____             | _____            |  |  |
| 12. _____   | _____            | _____             | _____            |  |  |
| _____ =Total Cover                                    |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.                             |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    | Absolute % Cover | Dominant Species? | Indicator Status |  |  |
| 1. _____  | _____            | _____             | _____            |  | <b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____ |
| 2. _____  | _____            | _____             | _____            |  |  |
| 3. _____  | _____            | _____             | _____            |  |  |
| 4. _____  | _____            | _____             | _____            |  |  |
| _____ =Total Cover                                    |                  |                   |                  |  |  |

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





**Wetland FL-C-4- View facing east**



**Wetland FL-C-4- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: Ravena/Albany Sampling Date: 8/30/23  
 Applicant/Owner: TDI State: NY Sampling Point: FL-C-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: 42.479836 Long: -73.812738 Datum: WGS84  
 Soil Map Unit Name: Ut-Urban Land-Udorthents 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 <u>X</u> No _____<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.)  
 mowed lawn

**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: FL-C-4 upl

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
|---|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<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><table style="width:100%; border-collapse: collapse;"> <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>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>2</u></td><td>x 3 = <u>6</u></td></tr> <tr><td>FACU species <u>107</u></td><td>x 4 = <u>428</u></td></tr> <tr><td>UPL species <u>0</u></td><td>x 5 = <u>0</u></td></tr> <tr><td>Column Totals: <u>109</u> (A)</td><td><u>434</u> (B)</td></tr> <tr><td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.98</u></td></tr> </tbody> </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>2</u> | x 3 = <u>6</u> | FACU species <u>107</u> | x 4 = <u>428</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>109</u> (A) | <u>434</u> (B) | Prevalence Index = B/A = <u>3.98</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>2</u>                                  | x 3 = <u>6</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| FACU species <u>107</u>                               | x 4 = <u>428</u> |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                                  | x 5 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>109</u> (A)                         | <u>434</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.98</u>                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 1. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 5. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 1. <u>Poa pratensis</u>                               | <u>65</u>        | <u>Yes</u>        | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 2. <u>Trifolium repens</u>                            | <u>5</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 3. <u>Glechoma hederacea</u>                          | <u>20</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 4. <u>Plantago major</u>                              | <u>15</u>        | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 5. <u>Taraxacum officinale</u>                        | <u>2</u>         | <u>No</u>         | <u>FACU</u>      |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 6. <u>Galium boreale</u>                              | <u>2</u>         | <u>No</u>         | <u>FAC</u>       |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 8. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 9. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 10. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 11. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 12. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 1. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                         |                  |                      |                |                               |                |                                      |  |
| 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.)





**Upland FL-C-4- View facing northwest**



**Upland FL-C-4- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/21  
 Applicant/Owner: CHA State: NY Sampling Point: WA-1  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.47853 Long: -73.81193 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland WA   |   |

### 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><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) <u>X</u> 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 <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: WA-1

|  | Absolute % Cover            | Dominant Species? | Indicator Status |       |
|--|-----------------------------|-------------------|------------------|-------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                             |                   |                  |       |
| 1.   | _____                       | _____             | _____            |       |
| 2.   | _____                       | _____             | _____            |       |
| 3.   | _____                       | _____             | _____            |       |
| 4.   | _____                       | _____             | _____            |       |
| 5.   | _____                       | _____             | _____            |       |
| 6.   | _____                       | _____             | _____            |       |
| 7.   | _____                       | _____             | _____            |       |
|  | =Total Cover                |                   |                  |       |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                             |                   |                  |       |
| 1.   | <u>Cornus alba</u>          | 40                | Yes              | FACW  |
| 2.   | _____                       | _____             | _____            | _____ |
| 3.   | _____                       | _____             | _____            | _____ |
| 4.   | _____                       | _____             | _____            | _____ |
| 5.   | _____                       | _____             | _____            | _____ |
| 6.   | _____                       | _____             | _____            | _____ |
| 7.   | _____                       | _____             | _____            | _____ |
|  | 40 =Total Cover             |                   |                  |       |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                             |                   |                  |       |
| 1.   | <u>Phragmites australis</u> | 20                | Yes              | OBL   |
| 2.   | <u>Typha latifolia</u>      | 40                | Yes              | FACW  |
| 3.   | _____                       | _____             | _____            | _____ |
| 4.   | _____                       | _____             | _____            | _____ |
| 5.   | _____                       | _____             | _____            | _____ |
| 6.   | _____                       | _____             | _____            | _____ |
| 7.   | _____                       | _____             | _____            | _____ |
| 8.   | _____                       | _____             | _____            | _____ |
| 9.   | _____                       | _____             | _____            | _____ |
| 10.  | _____                       | _____             | _____            | _____ |
| 11.  | _____                       | _____             | _____            | _____ |
| 12.  | _____                       | _____             | _____            | _____ |
|  | 60 =Total Cover             |                   |                  |       |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                             |                   |                  |       |
| 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)

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**Prevalence Index worksheet:**

|                          | Total % Cover of: | Multiply by: |                |
|--------------------------|-------------------|--------------|----------------|
| OBL species              | <u>20</u>         | x 1 =        | <u>20</u>      |
| FACW species             | <u>80</u>         | x 2 =        | <u>160</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>100</u>        | (A)          | <u>180</u> (B) |
| Prevalence Index = B/A = |                   |              | <u>1.80</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.

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**Definitions of Vegetation Strata:**

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

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**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.

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**Hydrophytic Vegetation Present?**      Yes   x        No

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





**Wetland WA- View facing west**



**Wetland WA- Soils**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE City/County: Ravena/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: WA Upl  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 10  
 Subregion (LRR or MLRA): LRR R Lat: 42.478402 Long: -73.811731 Datum: NAD83  
 Soil Map Unit Name: Ug - Udorthents, loamy NWI classification: \_\_\_\_\_

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: <u>Upland adjacent to Wetland WA</u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Railroad embankment.   |  |

**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><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 _____ 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: WA Upl

|  | Absolute % Cover         | Dominant Species? | Indicator Status |              |
|--|--------------------------|-------------------|------------------|--------------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                          |                   |                  |              |
| 1.   |                          |                   |                  |              |
| 2.   |                          |                   |                  |              |
| 3.   |                          |                   |                  |              |
| 4.   |                          |                   |                  |              |
| 5.   |                          |                   |                  |              |
| 6.   |                          |                   |                  |              |
| 7.   |                          |                   |                  |              |
|  |                          |                   |                  | =Total Cover |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                          |                   |                  |              |
| 1.   |                          |                   |                  |              |
| 2.   |                          |                   |                  |              |
| 3.   |                          |                   |                  |              |
| 4.   |                          |                   |                  |              |
| 5.   |                          |                   |                  |              |
| 6.   |                          |                   |                  |              |
| 7.   |                          |                   |                  |              |
|  |                          |                   |                  | =Total Cover |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                          |                   |                  |              |
| 1.   | <u>Setaria pumila</u>    | <u>30</u>         | <u>Yes</u>       | <u>FAC</u>   |
| 2.   | <u>Lythrum salicaria</u> | <u>5</u>          | <u>No</u>        | <u>OBL</u>   |
| 3.   | <u>Acer negundo</u>      | <u>5</u>          | <u>No</u>        | <u>FAC</u>   |
| 4.   |                          |                   |                  |              |
| 5.   |                          |                   |                  |              |
| 6.   |                          |                   |                  |              |
| 7.   |                          |                   |                  |              |
| 8.   |                          |                   |                  |              |
| 9.   |                          |                   |                  |              |
| 10.  |                          |                   |                  |              |
| 11.  |                          |                   |                  |              |
| 12.  |                          |                   |                  |              |
|  |                          | <u>40</u>         |                  | =Total Cover |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                          |                   |                  |              |
| 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: 1 (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>5</u>          | x 1 = | <u>5</u>     |     |
| FACW species             | <u>0</u>          | x 2 = | <u>0</u>     |     |
| FAC species              | <u>35</u>         | x 3 = | <u>105</u>   |     |
| FACU species             | <u>0</u>          | x 4 = | <u>0</u>     |     |
| UPL species              | <u>0</u>          | x 5 = | <u>0</u>     |     |
| Column Totals:           | <u>40</u>         | (A)   | <u>110</u>   | (B) |
| Prevalence Index = B/A = |                   |       | <u>2.75</u>  |     |

**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.)





**Upland WA- View facing south**



**Upland WA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/21  
 Applicant/Owner: CHA State: NY Sampling Point: XA-3  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.47696 Long: -73.81121 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland XA   |   |

### 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><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) <u>X</u> 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 <u>X</u> No _____ Depth (inches): <u>6</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>3</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: XA-3

|  | Absolute % Cover         | Dominant Species? | Indicator Status |      |
|--|--------------------------|-------------------|------------------|------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                          |                   |                  |      |
| 1.   |                          |                   |                  |      |
| 2.   |                          |                   |                  |      |
| 3.   |                          |                   |                  |      |
| 4.   |                          |                   |                  |      |
| 5.   |                          |                   |                  |      |
| 6.   |                          |                   |                  |      |
| 7.   |                          |                   |                  |      |
|  |                          | =Total Cover      |                  |      |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                          |                   |                  |      |
| 1.   | <u>Cornus sericea</u>    | 20                | Yes              | FACW |
| 2.   |                          |                   |                  |      |
| 3.   |                          |                   |                  |      |
| 4.   |                          |                   |                  |      |
| 5.   |                          |                   |                  |      |
| 6.   |                          |                   |                  |      |
| 7.   |                          |                   |                  |      |
|  |                          | =Total Cover      |                  |      |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                          |                   |                  |      |
| 1.   | <u>Lythrum salicaria</u> | 40                | Yes              | FACW |
| 2.   | <u>Typha latifolia</u>   | 15                | Yes              | FACW |
| 3.   | <u>Epilobium</u>         | 10                | No               | OBL  |
| 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      |                  |      |

**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)

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**Prevalence Index worksheet:**

| Total % Cover of:                    | Multiply by:     |
|--------------------------------------|------------------|
| OBL species <u>10</u>                | x 1 = <u>10</u>  |
| FACW species <u>75</u>               | x 2 = <u>150</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>85</u> (A)         | <u>160</u> (B)   |
| Prevalence Index = B/A = <u>1.88</u> |                  |

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**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.

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**Hydrophytic Vegetation Present?**      Yes   x        No

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





**Wetland XA- View facing north**



**Wetland XA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Selkirk Sampling Date: 11/23/2021  
 Applicant/Owner: CHA State: NY Sampling Point: XA-1 UPL  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.47541 Long: -73.81030 Datum: \_\_\_\_\_  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation No, Soil No, or Hydrology No 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>Upland for WL XA   |   |

### 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>C   |   |
| Remarks:  |   |

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

Sampling Point: XA-1 UPL

|  | Absolute % Cover       | Dominant Species? | Indicator Status |             |
|--|------------------------|-------------------|------------------|-------------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                        |                   |                  |             |
| 1.   |                        |                   |                  |             |
| 2.   |                        |                   |                  |             |
| 3.   |                        |                   |                  |             |
| 4.   |                        |                   |                  |             |
| 5.   |                        |                   |                  |             |
| 6.   |                        |                   |                  |             |
| 7.   |                        |                   |                  |             |
|  |                        | =Total Cover      |                  |             |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                        |                   |                  |             |
| 1.   | <u>Lonicera</u>        | <u>40</u>         | <u>Yes</u>       | <u>FACU</u> |
| 2.   |                        |                   |                  |             |
| 3.   |                        |                   |                  |             |
| 4.   |                        |                   |                  |             |
| 5.   |                        |                   |                  |             |
| 6.   |                        |                   |                  |             |
| 7.   |                        |                   |                  |             |
|  |                        | =Total Cover      |                  |             |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                        |                   |                  |             |
| 1.   | <u>Rosa multiflora</u> | <u>30</u>         | <u>Yes</u>       | <u>UPL</u>  |
| 2.   | <u>Solidago</u>        | <u>20</u>         | <u>Yes</u>       | <u>FAC</u>  |
| 3.   | <u>Poa</u>             | <u>30</u>         | <u>Yes</u>       | <u>FAC</u>  |
| 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      |                  |             |

**Dominance Test worksheet:**

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

Total Number of Dominant Species Across All Strata: 4 (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>50</u>         | x 3 = | <u>150</u>   |     |
| FACU species             | <u>40</u>         | x 4 = | <u>160</u>   |     |
| UPL species              | <u>30</u>         | x 5 = | <u>150</u>   |     |
| Column Totals:           | <u>120</u>        | (A)   | <u>460</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.)





**Upland XA- View facing north**



**Upland XA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE City/County: Ravena/Albany Sampling Date: 11/22/22  
 Applicant/Owner: TDI State: NY Sampling Point: P6-J Wet  
 Investigator(s): C. Einstein & J. Greaves Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 42.476706 Long: -73.811911 Datum: NAD83  
 Soil Map Unit Name: Urban land-udorthents complex, 0 to 8 percent slopes 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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 P6-J-3</u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Common reed 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) <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 checked="" 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) | <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>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: P6-J Wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover       | Dominant Species? | Indicator Status |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|---|------------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-------------------------|------------------|-----------------------|-----------------|-----------------------|----------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Acer rubrum</u>                                 | <u>10</u>              | Yes               | FAC              | <b>Dominance Test worksheet:</b><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. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|   | <u>10</u> =Total Cover |                   |                  | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:center;">Total % Cover of:</td> <td style="width:50%; text-align:center;">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>100</u></td> <td>x 2 = <u>200</u></td> </tr> <tr> <td>FAC species <u>15</u></td> <td>x 3 = <u>45</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>245</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>0</u> | x 1 = <u>0</u> | FACW species <u>100</u> | x 2 = <u>200</u> | FAC species <u>15</u> | x 3 = <u>45</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>245</u> (B) | Prevalence Index = B/A = <u>2.13</u> |  |
| Total % Cover of:                                     | Multiply by:           |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| OBL species <u>0</u>                                  | x 1 = <u>0</u>         |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| FACW species <u>100</u>                               | x 2 = <u>200</u>       |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| FAC species <u>15</u>                                 | x 3 = <u>45</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>245</u> (B)         |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>2.13</u>                  |                        |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                        |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><input type="checkbox"/> 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.  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Cornus amomum</u>                               | <u>10</u>              | Yes               | FACW             |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. <u>Acer rubrum</u>                                 | <u>5</u>               | Yes               | FAC              |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|   | <u>15</u> =Total Cover |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <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.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No _____   |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. <u>Phragmites australis</u>                        | <u>90</u>              | Yes               | FACW             |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 5. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 6. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 7. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 8. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 9. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 10. _____   | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 11. _____   | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 12. _____   | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|   | <u>90</u> =Total Cover |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                        |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 1. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 2. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 3. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
| 4. _____  | _____                  | _____             | _____            |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |
|   | _____ =Total Cover     |                   |                  |  |                   |              |                      |                |                         |                  |                       |                 |                       |                |                      |                |                               |                |                                      |  |

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





**Wetland P6-J - View facing east**



**Wetland P6-J - Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE City/County: Coeymans/Albany Sampling Date: 11/22/22  
 Applicant/Owner: TDI State: NY Sampling Point: P6-J Upl  
 Investigator(s): C. Einstein & J. Greaves Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): none Slope %: 0  
 Subregion (LRR or MLRA): LRR R Lat: 42.476674 Long: -73.812010 Datum: NAD83  
 Soil Map Unit Name: Ut - Urban land-Udorthents complex, 0 to 8 percent slopes NWI classification: \_\_\_\_\_

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: <u>near P6-J-3</u> |
| Remarks: (Explain alternative procedures here or in a separate report.)<br><u>Paved parking lot.</u>  |  |

**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: P6-J Upl

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
|---|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------------|---------------|--------------------------------------|--|
| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          |                  |                   |                  | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>2</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 1.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 2.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 3.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 4.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 5.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 6.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 7.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Total % Cover of:</td> <td style="width:50%; text-align: center;">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>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>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>15</u></td> <td>x 5 = <u>75</u></td> </tr> <tr> <td>Column Totals: <u>20</u> (A)</td> <td><u>80</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>5</u> | x 1 = <u>5</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>0</u> | x 3 = <u>0</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>15</u> | x 5 = <u>75</u> | Column Totals: <u>20</u> (A) | <u>80</u> (B) | Prevalence Index = B/A = <u>4.00</u> |  |
| Total % Cover of:                                     | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| OBL species <u>5</u>                                  | x 1 = <u>5</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| FACW species <u>0</u>                                 | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| FAC species <u>0</u>                                  | x 3 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| FACU species <u>0</u>                                 | x 4 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| UPL species <u>15</u>                                 | x 5 = <u>75</u>  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| Column Totals: <u>20</u> (A)                          | <u>80</u> (B)    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| Prevalence Index = B/A = <u>4.00</u>                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 1.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 2.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 3.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 4.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 5.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 6.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 7.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 1. <u>Artemisia vulgaris</u>                          | <u>15</u>        | <u>Yes</u>        | <u>UPL</u>       |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 2. <u>Lythrum salicaria</u>                           | <u>5</u>         | <u>Yes</u>        | <u>OBL</u>       |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 3.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 4.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 5.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 6.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 7.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 8.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 9.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 10.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 11.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 12.   |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 1.  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                       |                |                       |                 |                              |               |                                      |  |
| 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.)





**Upland P6-J - View facing southwest**

**Upland P6-J – No Soils Collected (pavement)**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE City/County: Ravena/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: YA Wet  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 42.470859 Long: -73.808289 Datum: NAD83  
 Soil Map Unit Name: RhA, RhB - Rhinebeck silty clay loam 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Red maple hardwood swamp.  |   |

**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) _____ Oxidized Rhizospheres on Living Roots (C3)<br>_____ Drift Deposits (B3) <u>X</u> 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>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: YA Wet

|  | Absolute % Cover   | Dominant Species? | Indicator Status |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
|--|--------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-------------------------|------------------|----------------------|-----------------|------------------------|-----------------|----------------------|----------------|---------------------------|--------------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )                  |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Fraxinus pennsylvanica</u>                             | 40                 | Yes               | FACW             | <b>Dominance Test worksheet:</b><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%; border:none;"> <tr> <td style="width:50%; text-align:center;">Total % Cover of:</td> <td style="width:50%; text-align:center;">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>210</u></td> <td>x 2 = <u>420</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>230</u></td> <td>(A) <u>480</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.09</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>5</u> | x 1 = <u>5</u> | FACW species <u>210</u> | x 2 = <u>420</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>230</u> | (A) <u>480</u> (B) | Prevalence Index = B/A = <u>2.09</u> |  |
| Total % Cover of:  | Multiply by:       |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| OBL species <u>5</u>   | x 1 = <u>5</u>     |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| FACW species <u>210</u>                                      | x 2 = <u>420</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>230</u>                                    | (A) <u>480</u> (B) |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| Prevalence Index = B/A = <u>2.09</u>                         |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 2. <u>Ulmus americana</u>                                    | 40                 | Yes               | FACW             |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 3. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <u>80</u> =Total Cover                                       |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> )         |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Cornus amomum</u>                                      | 50                 | Yes               | FACW             | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><br><input type="checkbox"/> 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>Rosa multiflora</u>                                    | 10                 | No                | FACU             |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 3. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 4. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <u>60</u> =Total Cover                                       |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )                   |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 1. <u>Phragmites australis</u>                               | 70                 | Yes               | FACW             |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 2. <u>Impatiens capensis</u>                                 | 10                 | No                | FACW             |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 3. <u>Lythrum salicaria</u>                                  | 5                  | No                | OBL              |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 4. <u>Geum canadense</u>                                     | 5                  | No                | FAC              |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 5. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 6. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 7. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 8. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 9. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 10. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 11. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 12. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <u>90</u> =Total Cover                                       |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )            |                    |                   |                  |   |                   |              |                      |                |                         |                  |                      |                 |                        |                 |                      |                |                           |                    |                                      |  |
| 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.)





**Wetland YA- View facing east**



**Wetland YA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE City/County: Ravena/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: YA UpI  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 5  
 Subregion (LRR or MLRA): LRR R Lat: 42.470812 Long: -73.808348 Datum: NAD83  
 Soil Map Unit Name: RhA, RhB - Rhinebeck silty clay loam NWI classification: \_\_\_\_\_

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>Deciduous forest.  |   |

**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: YA Upl

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
|---|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|------------------------|-----------------|-----------------------|-----------------|-------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|--------------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )                   |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Robinia pseudoacacia</u>                                | <u>33</u>        | Yes               | FACU             | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>11</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>18.2%</u> (A/B)  |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Acer platanoides</u>                                    | <u>33</u>        | Yes               | UPL              |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Juglans nigra</u>                                       | <u>33</u>        | Yes               | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 4. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 5. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 6. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 7. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
|   | <u>99</u>        | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:center;">Total % Cover of:</td> <td style="width:50%; text-align:center;">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>10</u></td> <td>x 2 = <u>20</u></td> </tr> <tr> <td>FAC species <u>15</u></td> <td>x 3 = <u>45</u></td> </tr> <tr> <td>FACU species <u>139</u></td> <td>x 4 = <u>556</u></td> </tr> <tr> <td>UPL species <u>53</u></td> <td>x 5 = <u>265</u></td> </tr> <tr> <td>Column Totals: <u>217</u> (A)</td> <td><u>886</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>4.08</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>15</u> | x 3 = <u>45</u> | FACU species <u>139</u> | x 4 = <u>556</u> | UPL species <u>53</u> | x 5 = <u>265</u> | Column Totals: <u>217</u> (A) | <u>886</u> (B) | Prevalence Index = B/A = <u>4.08</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>15</u>   | x 3 = <u>45</u>  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| FACU species <u>139</u>                                       | x 4 = <u>556</u> |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| UPL species <u>53</u>   | x 5 = <u>265</u> |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| Column Totals: <u>217</u> (A)                                 | <u>886</u> (B)   |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| Prevalence Index = B/A = <u>4.08</u>                          |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> )          |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Acer platanoides</u>                                    | <u>10</u>        | Yes               | UPL              |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Rosa multiflora</u>                                     | <u>5</u>         | Yes               | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 3. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 4. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 5. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 6. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 7. _____  |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
|   | <u>15</u>        | =Total Cover      |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )                    |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Ageratina altissima</u>                                 | <u>35</u>        | Yes               | FACU             | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 2. <u>Artemisia vulgaris</u>                                  | <u>10</u>        | Yes               | UPL              |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 3. <u>Toxicodendron radicans</u>                              | <u>10</u>        | Yes               | FAC              |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 4. <u>Impatiens capensis</u>                                  | <u>10</u>        | Yes               | FACW             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 5. <u>Parthenocissus quinquefolia</u>                         | <u>10</u>        | Yes               | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 6. <u>Glechoma hederacea</u>                                  | <u>8</u>         | No                | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 7. <u>Geum canadense</u>                                      | <u>5</u>         | No                | FAC              |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 8. <u>Viola septentrionalis</u>                               | <u>5</u>         | No                | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 9. <u>Geranium maculatum</u>                                  | <u>5</u>         | No                | FACU             |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 10. _____   |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 11. _____   |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 12. _____   |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
|   | <u>98</u>        | =Total Cover      |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )             |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |
| 1. <u>Vitis aestivalis</u>                                    | <u>5</u>         | Yes               | FACU             | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<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.) |                  |                   |                  |   |                   |              |                      |                |                        |                 |                       |                 |                         |                  |                       |                  |                               |                |                                      |  |





**Upland YA- View facing east**



**Upland YA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Main Street- MP 203.6 City/County: Coeymans/ Albany Sampling Date: 4/5/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: G-R-1-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Coeymans  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42 28' 15.04" Long: 73 48' 27.97" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| 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>_____ Surface Water (A1) <u>X</u> 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) _____ 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><u>X</u> 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 _____ 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: G-R-1-Wet

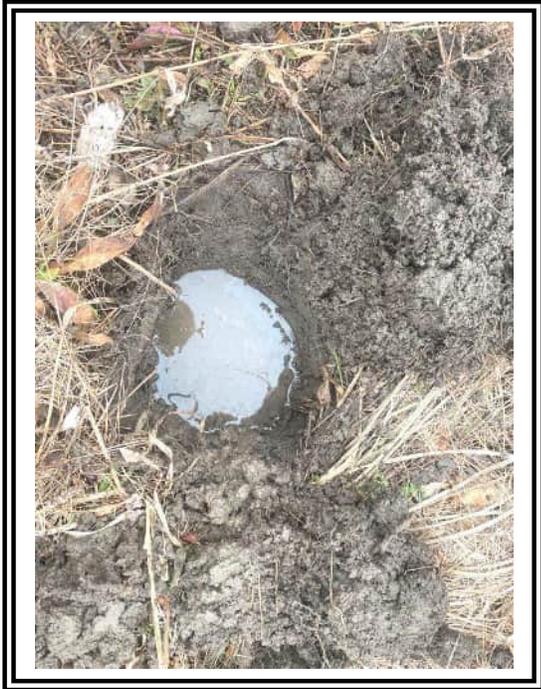
|   | Absolute % Cover | Dominant Species? | Indicator Status |   |  |
|---|------------------|-------------------|------------------|---|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                  |                   |                  |   |  |
| 1. <u>Salix nigra</u>                                 | 10               | Yes               | OBL              | <b>Dominance Test worksheet:</b><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. <u>Fraxinus americana</u>                          | 10               | Yes               | FACU             |   |  |
| 3. <u>Ulmus americana</u>                             | 5                | Yes               | FACW             |   |  |
| 4. _____  |                  |                   |                  |   |  |
| 5. _____  |                  |                   |                  |   |  |
| 6. _____  |                  |                   |                  |   |  |
| 7. _____  |                  |                   |                  |   |  |
|   | <u>25</u>        | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____   |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                  |                   |                  |   |  |
| 1. <u>Cornus racemosa</u>                             | 25               | Yes               | FAC              |   |  |
| 2. <u>Salix discolor</u>                              | 10               | Yes               | FACW             |   |  |
| 3. _____  |                  |                   |                  |   |  |
| 4. _____  |                  |                   |                  |   |  |
| 5. _____  |                  |                   |                  |   |  |
| 6. _____  |                  |                   |                  |   |  |
| 7. _____  |                  |                   |                  |   |  |
|   | <u>35</u>        | =Total Cover      |                  |   |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                  |                   |                  |   |  |
| 1. <u>Phragmites australis</u>                        | 10               | Yes               | FACW             | <b>Hydrophytic Vegetation Indicators:</b><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><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>                           | 10               | Yes               | OBL              |   |  |
| 3. _____  |                  |                   |                  |   |  |
| 4. _____  |                  |                   |                  |   |  |
| 5. _____  |                  |                   |                  |   |  |
| 6. _____  |                  |                   |                  |   |  |
| 7. _____  |                  |                   |                  |   |  |
| 8. _____  |                  |                   |                  |   |  |
| 9. _____  |                  |                   |                  |   |  |
| 10. _____   |                  |                   |                  |   |  |
| 11. _____   |                  |                   |                  |   |  |
| 12. _____   |                  |                   |                  |   |  |
|   | <u>20</u>        | =Total Cover      |                  |   |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )    |                  |                   |                  |   |  |
| 1. <u>Toxicodendron radicans</u>                      | 5                | Yes               | FAC              | <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 <u>      </u>  |  |

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





**Wetland G-R-1**



**Wetland G-R-1 - Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Main Street- MP 203.6 City/County: Coeymans/ Albany Sampling Date: 4/7/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: G-R-1-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Coeymans  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 28' 15.04" Long: 73°48' 27.97" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present?  | Yes _____ | No <input checked="" type="checkbox"/> |  |
| Wetland Hydrology Present?  | Yes _____ | No <input checked="" type="checkbox"/> |  |
| 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>_____ 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 <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/> |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: G-R-1-Up

|   | Absolute % Cover    | Dominant Species? | Indicator Status |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|---|---------------------|-------------------|------------------|--|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Acer saccharum</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>1</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>16.7%</u> (A/B)<br><br><b>Prevalence Index worksheet:</b><br><table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:right;">Total % Cover of:</td> <td style="width:50%; text-align:left;">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 = _____                        |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>5</u> =Total Cover                                 |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Fraxinus americana</i></u>                   | <u>20</u>           | <u>Yes</u>        | <u>FACU</u>      | <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 $\leq 3.0^1$<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>Rubus allegheniensis</i></u>                 | <u>10</u>           | <u>No</u>         | <u>FACU</u>      |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u><i>Lonicera tatarica</i></u>                    | <u>25</u>           | <u>Yes</u>        | <u>FACU</u>      |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>55</u> =Total Cover                                |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Alliaria petiolata</i></u>                   | <u>10</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.<br><br><b>Hydrophytic Vegetation Present?</b> Yes <u>  </u> No <u>  X  </u>   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____   | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____   | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____   | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>10</u> =Total Cover                                |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )    |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Vitis riparia</i></u>                        | <u>5</u>            | <u>Yes</u>        | <u>FAC</u>       |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u><i>Celastrus orbiculatus</i></u>                | <u>5</u>            | <u>Yes</u>        | <u>UPL</u>       |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <u>10</u> =Total Cover                                |                     |                   |                  |  |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

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





**Upland G-R-1**



**Upland G-R-1- Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/21

Applicant/Owner: CHA State: NY Sampling Point: ZA-2

Investigator(s): Nick Dominic, Justin Williams Section, Township, Range: Ravena

Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_

Subregion (LRR or MLRA): LRR R Lat: 42.46732 Long: -73.80784 Datum: NAD83

Soil Map Unit Name: \_\_\_\_\_ NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)

Are Vegetation NO, Soil NO, or Hydrology NO significantly disturbed? Are "Normal Circumstances" present? Yes  No

Are Vegetation NO, Soil NO, or Hydrology NO 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 <input checked="" type="checkbox"/> No <input type="checkbox"/><br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland ZA   |   |

### HYDROLOGY

|  |  |   |  |
|--|--|---|--|
| <b>Wetland Hydrology Indicators:</b>   |  | <u>Secondary Indicators (minimum of two required)</u>   |  |
| Primary Indicators (minimum of one is required; check all that apply)  |  | <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) |  |
| <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 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 checked="" 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 <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____<br>Saturation Present? (includes capillary fringe) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____  |  | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>   |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |   |  |
| Remarks:   |  |   |  |

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

Sampling Point: ZA-2

|   | Absolute % Cover | Dominant Species?            | Indicator Status              |  |  |
|---|------------------|------------------------------|-------------------------------|--|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )                   |                  |                              |                               |  |  |
| 1. <u><i>Quercus bicolor</i></u>                              | 30               | YES <input type="checkbox"/> | FACW <input type="checkbox"/> | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)<br><br>Total Number of Dominant Species Across All Strata: _____ (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)   |  |
| 2. _____  | -                | - <input type="checkbox"/>   | - <input type="checkbox"/>    |  |  |
| 3. _____  | -                | -                            | -                             |  |  |
| 4. _____  | -                | -                            | -                             |  |  |
| 5. _____  | -                | -                            | -                             |  |  |
| 6. _____  | -                | -                            | -                             |  |  |
| 7. _____  | -                | -                            | -                             |  |  |
| _____ = Total Cover   |                  |                              |                               | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by:<br>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><br>Prevalence Index = B/A = _____  |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> )          |                  |                              |                               |  |  |
| 1. <u><i>Cornus sericea</i></u>                               | 40               | YES <input type="checkbox"/> | FACW <input type="checkbox"/> |  | <b>Hydrophytic Vegetation Indicators:</b><br><input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> 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. _____  | -                | - <input type="checkbox"/>   | - <input type="checkbox"/>    |  |  |
| 3. _____  | -                | -                            | -                             |  |  |
| 4. _____  | -                | -                            | -                             |  |  |
| 5. _____  | -                | -                            | -                             |  |  |
| 6. _____  | -                | -                            | -                             |  |  |
| 7. _____  | -                | -                            | -                             |  |  |
| _____ = 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>Herb Stratum</b> (Plot size: <u>5</u> )                    |                  |                              |                               |  |  |
| 1. <u><i>Phragmites australis</i></u>                         | 15               | NO <input type="checkbox"/>  | FACW <input type="checkbox"/> |  | <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>   |
| 2. <u><i>Onoclea sensibilis</i></u>                           | 60               | YES <input type="checkbox"/> | FACW <input type="checkbox"/> |  |  |
| 3. <u><i>Typha latifolia</i></u>                              | 20               | YES <input type="checkbox"/> | OBL <input type="checkbox"/>  |  |  |
| 4. _____  | -                | -                            | -                             |  |  |
| 5. _____  | -                | -                            | -                             |  |  |
| 6. _____  | -                | -                            | -                             |  |  |
| 7. _____  | -                | -                            | -                             |  |  |
| 8. _____  | -                | -                            | -                             |  |  |
| 9. _____  | -                | -                            | -                             |  |  |
| 10. _____   | -                | -                            | -                             |  |  |
| 11. _____   | -                | -                            | -                             |  |  |
| 12. _____   | -                | -                            | -                             |  |  |
| _____ = Total Cover   |                  |                              |                               |  |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )             |                  |                              |                               |  |  |
| 1. _____  | -                | - <input type="checkbox"/>   | - <input type="checkbox"/>    |  |  |
| 2. _____  | -                | -                            | -                             |  |  |
| 3. _____  | -                | -                            | -                             |  |  |
| 4. _____  | -                | -                            | -                             |  |  |
| _____ = Total Cover   |                  |                              |                               |  |  |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                              |                               |  |  |

**SOIL**

Sampling Point: ZA-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> |         |         |    |           |
| 0-16              | 10yr/4/1      | 75 | 10yr/5/8       | 25 | -                 | ▼                | -       | ▼       | CL | Prominent |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |
|                   |               |    |                |    | -                 |                  | -       |         |    |           |

<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) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- 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)

**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)
- Dark Surface (S7) (LRR K, L, M)
- 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 (TF12)
- 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 ZA- View facing east**



**Wetland ZA- Soils**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE City/County: Ravena/Albany Sampling Date: 6.15.22  
 Applicant/Owner: TDI State: NY Sampling Point: ZA UpI  
 Investigator(s): John Greaves & Chris Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %: 40  
 Subregion (LRR or MLRA): LRR R Lat: 42.467844 Long: -73.808037 Datum: NAD83  
 Soil Map Unit Name: RhA, RhB - Rhinebeck silty clay loam NWI classification: \_\_\_\_\_

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>Railroad embankment.   |   |

**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: ZA Upl

| <u>Tree Stratum</u> (Plot size: <u>30</u> )          | Absolute % Cover   | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
|--|--------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|----------------|------------------------|-----------------|-----------------------|------------------|--------------------------|--------------------|--------------------------------------|--|
| 1. _____   | _____              | _____             | _____            | <b>Dominance Test worksheet:</b><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>2</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><table style="width:100%; border-collapse: collapse;"> <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>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>20</u></td><td>x 4 = <u>80</u></td></tr> <tr><td>UPL species <u>20</u></td><td>x 5 = <u>100</u></td></tr> <tr><td>Column Totals: <u>40</u></td><td>(A) <u>180</u> (B)</td></tr> <tr><td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.50</u></td></tr> </tbody> </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>20</u> | x 4 = <u>80</u> | UPL species <u>20</u> | x 5 = <u>100</u> | Column Totals: <u>40</u> | (A) <u>180</u> (B) | Prevalence Index = B/A = <u>4.50</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>20</u>                               | x 4 = <u>80</u>    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| UPL species <u>20</u>                                | x 5 = <u>100</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| Column Totals: <u>40</u>                             | (A) <u>180</u> (B) |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| Prevalence Index = B/A = <u>4.50</u>                 |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15</u> ) |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 1. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 2. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 3. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 4. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 5. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 6. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 7. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| _____ =Total Cover                                   |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5</u> )           |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 1. <u>Centaurea stoebe</u>                           | 20                 | Yes               | UPL              |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 2. <u>Lotus corniculatus</u>                         | 15                 | Yes               | FACU             |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 3. <u>Cirsium arvense</u>                            | 5                  | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 4. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 5. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 6. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 7. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 8. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 9. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 10. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 11. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 12. _____  | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| _____ =Total Cover                                   |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30</u> )    |                    |                   |                  |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 1. _____   | _____              | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                |                        |                 |                       |                  |                          |                    |                                      |  |
| 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.)





**Upland ZA- View facing south**



**Upland ZA- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Main Street- MP 203.6 City/County: Coeymans/ Albany Sampling Date: 4/7/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: G-R-2-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Coeymans  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 28' 02.14" Long: 73° 48' 27.01" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| 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>_____ Surface Water (A1) <u>X</u> 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)                              _____ 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><u>X</u> 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 _____ 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: G-R-2-Wet

|   | Absolute % Cover            | Dominant Species? | Indicator Status |      |
|---|-----------------------------|-------------------|------------------|------|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                             |                   |                  |      |
| 1.  | _____                       | _____             | _____            |      |
| 2.  | _____                       | _____             | _____            |      |
| 3.  | _____                       | _____             | _____            |      |
| 4.  | _____                       | _____             | _____            |      |
| 5.  | _____                       | _____             | _____            |      |
| 6.  | _____                       | _____             | _____            |      |
| 7.  | _____                       | _____             | _____            |      |
|   | =Total Cover                |                   |                  |      |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                             |                   |                  |      |
| 1.  | <u>Cornus racemosa</u>      | 25                | Yes              | FAC  |
| 2.  | <u>Lonicera tatarica</u>    | 10                | Yes              | FACU |
| 3.  | <u>Fraxinus americana</u>   | 10                | Yes              | FACU |
| 4.  | <u>Acer rubrum</u>          | 5                 | No               | FAC  |
| 5.  | <u>Viburnum dentatum</u>    | 10                | Yes              | FAC  |
| 6.  | _____                       | _____             | _____            |      |
| 7.  | _____                       | _____             | _____            |      |
|   | 60 =Total Cover             |                   |                  |      |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                             |                   |                  |      |
| 1.  | <u>Lythrum salicaria</u>    | 15                | Yes              | OBL  |
| 2.  | <u>Phalaris arundinacea</u> | 15                | Yes              | FACW |
| 3.  | <u>Epilobium coloratum</u>  | 10                | Yes              | OBL  |
| 4.  | _____                       | _____             | _____            |      |
| 5.  | _____                       | _____             | _____            |      |
| 6.  | _____                       | _____             | _____            |      |
| 7.  | _____                       | _____             | _____            |      |
| 8.  | _____                       | _____             | _____            |      |
| 9.  | _____                       | _____             | _____            |      |
| 10.   | _____                       | _____             | _____            |      |
| 11.   | _____                       | _____             | _____            |      |
| 12.   | _____                       | _____             | _____            |      |
|   | 40 =Total Cover             |                   |                  |      |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )    |                             |                   |                  |      |
| 1.  | _____                       | _____             | _____            |      |
| 2.  | _____                       | _____             | _____            |      |
| 3.  | _____                       | _____             | _____            |      |
| 4.  | _____                       | _____             | _____            |      |
|   | _____ =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 _____              | 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.

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**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.)





**Wetland G-R-2-Wet**



**Wetland G-R-2-Wet - Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Main Street- MP 203.6 City/County: Coeymans/ Albany Sampling Date: 4/7/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: G-R-2-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: Coeymans  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 28' 02.14" Long: 73° 48' 27.01" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Hydric Soil Present?  | Yes _____ | No <input checked="" type="checkbox"/> |  |
| Wetland Hydrology Present?  | Yes _____ | No <input checked="" type="checkbox"/> |  |
| 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>_____ 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 <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/> |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: G-R-2-Up

|   | Absolute % Cover    | Dominant Species? | Indicator Status |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|---|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                     |                   |                  | <p><b>Dominance Test worksheet:</b></p> <p>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)</p> <p>Total Number of Dominant Species Across All Strata: <u>5</u> (B)</p> <p>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>20.0%</u> (A/B)</p> <p><b>Prevalence Index worksheet:</b></p> <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> <p><b>Hydrophytic Vegetation Indicators:</b></p> <p><u>  </u> 1 - Rapid Test for Hydrophytic Vegetation</p> <p><u>  </u> 2 - Dominance Test is &gt;50%</p> <p><u>  </u> 3 - Prevalence Index is ≤3.0<sup>1</sup></p> <p><u>  </u> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</p> <p><u>  </u> Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)</p> <p><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</p> <p><b>Definitions of Vegetation Strata:</b></p> <p><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.</p> <p><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</p> <p><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</p> <p><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.</p> <p><b>Hydrophytic Vegetation Present?</b>      Yes <u>  </u>      No <u>  X</u></p> | 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 = _____                        |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Acer negundo</i></u>                         | <u>5</u>            | No                | FAC              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. <u><i>Robinia pseudoacacia</i></u>                 | <u>10</u>           | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. <u><i>Fraxinus americana</i></u>                   | <u>10</u>           | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. <u><i>Acer negundo</i></u>                         | <u>5</u>            | No                | FAC              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>30</u>           | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Rhamnus cathartica</i></u>                   | <u>5</u>            | Yes               | FAC              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>5</u>            | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Alliaria petiolata</i></u>                   | <u>5</u>            | Yes               | FACU             |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 5. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 6. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 7. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 8. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 9. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 10. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 11. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 12. _____   | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>5</u>            | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )    |                     |                   |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 1. <u><i>Celastrus orbiculatus</i></u>                | <u>5</u>            | Yes               | UPL              |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 2. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 3. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
| 4. _____  | _____               | _____             | _____            |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |
|   | <u>5</u>            | =Total Cover      |                  |   |                   |              |                   |             |                    |             |                   |             |                    |             |                   |             |                      |                     |                                |  |

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





**Upland G-R-2-Up**



**Upland G-R-2-Up- Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/21  
 Applicant/Owner: CHA State: NY Sampling Point: AB-2  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.46538 Long: -73.80805 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland AB   |   |

### 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><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) <u>X</u> 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 <u>X</u> No _____ Depth (inches): <u>12</u><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:   |   |

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

Sampling Point: AB-2

|  | Absolute % Cover          | Dominant Species? | Indicator Status |      |
|--|---------------------------|-------------------|------------------|------|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                           |                   |                  |      |
| 1.   |                           |                   |                  |      |
| 2.   |                           |                   |                  |      |
| 3.   |                           |                   |                  |      |
| 4.   |                           |                   |                  |      |
| 5.   |                           |                   |                  |      |
| 6.   |                           |                   |                  |      |
| 7.   |                           |                   |                  |      |
|  |                           | =Total Cover      |                  |      |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                           |                   |                  |      |
| 1.   | <u>Cornus sericea</u>     | 40                | Yes              | FACW |
| 2.   |                           |                   |                  |      |
| 3.   |                           |                   |                  |      |
| 4.   |                           |                   |                  |      |
| 5.   |                           |                   |                  |      |
| 6.   |                           |                   |                  |      |
| 7.   |                           |                   |                  |      |
|  |                           | =Total Cover      |                  |      |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                           |                   |                  |      |
| 1.   | <u>Onoclea sensibilis</u> | 60                | Yes              | FACW |
| 2.   | <u>Equisetum</u>          | 35                | Yes              | FACW |
| 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      |                  |      |

**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              | <u>0</u>          | x 1 = | <u>0</u>     |     |
| FACW species             | <u>135</u>        | x 2 = | <u>270</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>135</u>        | (A)   | <u>270</u>   | (B) |
| Prevalence Index = B/A = |                   |       | <u>2.00</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   x        No

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





**Wetland AB- View facing east**



**Wetland AB- Soils**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/2021  
 Applicant/Owner: CHA State: NY Sampling Point: ABUpland  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.46434 Long: -73.8082 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ 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>Upland for WL-AB   |   |

**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: ABUpland

| <u>Tree Stratum</u> (Plot size: _____ )          | Absolute % Cover   | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
|--|--------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|---------------------------|--------------------|--------------------------------------|--|
| 1. <u>Quercus rubra</u>                          | 60                 | Yes               | FACU             | <b>Dominance Test worksheet:</b><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. <u>Prunus serullata</u>                       | 30                 | Yes               | FACU             |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 3. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 4. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 5. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 6. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 7. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
|  | <u>90</u>          | =Total Cover      |                  | <b>Prevalence Index worksheet:</b><br><table style="width:100%; border-collapse: collapse;"> <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>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>90</u></td> <td>x 4 = <u>360</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></td> <td>(A) <u>435</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>3.78</u></td> </tr> </tbody> </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>90</u> | x 4 = <u>360</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>115</u> | (A) <u>435</u> (B) | Prevalence Index = B/A = <u>3.78</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>90</u>                           | x 4 = <u>360</u>   |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| UPL species <u>0</u>                             | x 5 = <u>0</u>     |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| Column Totals: <u>115</u>                        | (A) <u>435</u> (B) |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| Prevalence Index = B/A = <u>3.78</u>             |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: _____ ) |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 1. <u>Lonicera spp.</u>                          | 25                 | Yes               | FAC              |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 2. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 3. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 4. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 5. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 6. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 7. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
|  | <u>25</u>          | =Total Cover      |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| <u>Herb Stratum</u> (Plot size: _____ )          |                    |                   |                  | <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.  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 1. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 2. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 3. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 4. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 5. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 6. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 7. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 8. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 9. _____   |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 10. _____  |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 11. _____  |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| 12. _____  |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
|  |                    |                   |                  |   |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: _____ )    |                    |                   |                  | <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                                     |                    |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>  </u> No <u>  X  </u>  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                           |                    |                                      |  |

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





**Upland AB- View facing south**



**Upland AB- Soils**

**Segment 10 – Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.0, G-R-3 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-3-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): 0  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 47.79" Long: 73° 48' 29.21" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | <b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No _____<br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|   |   |
|---|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)   | Secondary Indicators (minimum of two required)  |
| <input 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) | <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 _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: R-3-Wet

|  | Absolute % Cover | Dominant Species? | Indicator Status |   |
|--|------------------|-------------------|------------------|---|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )   |                  |                   |                  |   |
| 1. <u><i>Acer rubrum</i></u>   | 20               | Yes               | FAC              | <b>Dominance Test worksheet:</b><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. <u><i>Fraxinus pennsylvanica</i></u>  | 25               | Yes               | FACW             |   |
| 3. <u><i>Ulmus americana</i></u>   | 10               | No                | FACW             |   |
| 4. _____   |                  |                   |                  |   |
| 5. _____   |                  |                   |                  |   |
| 6. _____   |                  |                   |                  |   |
| 7. _____   |                  |                   |                  |   |
|  | 55               | =Total Cover      |                  |   |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )  |                  |                   |                  |   |
| 1. <u><i>Rhamnus cathartica</i></u>  | 20               | Yes               | FAC              | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____   |
| 2. _____   |                  |                   |                  |   |
| 3. _____   |                  |                   |                  |   |
| 4. _____   |                  |                   |                  |   |
| 5. _____   |                  |                   |                  |   |
| 6. _____   |                  |                   |                  |   |
| 7. _____   |                  |                   |                  |   |
|  | 20               | =Total Cover      |                  |   |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )  |                  |                   |                  |   |
| 1. <u><i>Onoclea sensibilis</i></u>  | 30               | Yes               | FACW             | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$<br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> 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>Persicaria virginiana</i></u>   | 10               | Yes               | FAC              |   |
| 3. <u><i>Amauropelta noveboracensis</i></u>  | 5                | No                | FAC              |   |
| 4. _____   |                  |                   |                  |   |
| 5. _____   |                  |                   |                  |   |
| 6. _____   |                  |                   |                  |   |
| 7. _____   |                  |                   |                  |   |
| 8. _____   |                  |                   |                  |   |
| 9. _____   |                  |                   |                  |   |
| 10. _____  |                  |                   |                  |   |
| 11. _____  |                  |                   |                  |   |
| 12. _____  |                  |                   |                  |   |
|  | 45               | =Total Cover      |                  |   |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )   |                  |                   |                  |   |
| 1. <u><i>Toxicodendron radicans</i></u>  | 15               | Yes               | FAC              | <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. <u><i>Parthenocissus quinquefolia</i></u>   | 10               | Yes               | FACU             |   |
| 3. _____   |                  |                   |                  |   |
| 4. _____   |                  |                   |                  |   |
|  | 25               | =Total Cover      |                  |   |
| <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                  |                   |                  |   |

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





**Wetland G-R-3-Wet**



**Wetland G-R-3-Wet - Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.0, G-R-3 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-3-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 47.79" Long: 73° 48' 29.21" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/><br>Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/><br>Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|  |   |
|--|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)  | Secondary Indicators (minimum of two required)  |
| <input 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) | <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 <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/> |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: R-3-Up

|  | Absolute % Cover | Dominant Species? | Indicator Status |  |
|--|------------------|-------------------|------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )                         |                  |                   |                  | <b>Dominance Test worksheet:</b><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>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>14.3%</u> (A/B)  |
| 1. <u>Fraxinus americana</u>   | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 2. <u>Acer saccharum</u>   | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 3. <u>Quercus rubra</u>  | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 4. _____   |                  |                   |                  |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
|  | <u>45</u>        | =Total Cover      |                  |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )                |                  |                   |                  |  |
| 1. <u>Fraxinus americana</u>   | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____  |
| 2. _____   |                  |                   |                  |  |
| 3. _____   |                  |                   |                  |  |
| 4. _____   |                  |                   |                  |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
|  | <u>10</u>        | =Total Cover      |                  |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )                          |                  |                   |                  |  |
| 1. <u>Fragaria virginiana</u>  | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |  |
| 2. _____   |                  |                   |                  |  |
| 3. _____   |                  |                   |                  |  |
| 4. _____   |                  |                   |                  |  |
| 5. _____   |                  |                   |                  |  |
| 6. _____   |                  |                   |                  |  |
| 7. _____   |                  |                   |                  |  |
| 8. _____   |                  |                   |                  |  |
| 9. _____   |                  |                   |                  |  |
| 10. _____  |                  |                   |                  |  |
| 11. _____  |                  |                   |                  |  |
| 12. _____  |                  |                   |                  |  |
|  | <u>5</u>         | =Total Cover      |                  |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</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>Toxicodendron radicans</u>                                     | <u>15</u>        | <u>Yes</u>        | <u>FAC</u>       |  |
| 2. <u>Parthenocissus quinquefolia</u>                                | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      |  |
| 3. _____   |                  |                   |                  |  |
| 4. _____   |                  |                   |                  |  |
|  | <u>30</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.)





**Upland G-R-3-Up**



**Upland G-R-3-Up- Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.3, G-R-4 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-4-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): 0  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 37.21" Long: 73° 48' 33.42" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | <b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No _____<br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|   |  |
|---|--|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)   | Secondary Indicators (minimum of two required)   |
| <input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br>_____ High Water Table (A2)                      _____ Aquatic Fauna (B13)<br><input checked="" type="checkbox"/> 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><input checked="" type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | _____ Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> 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><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |

|   |  |
|---|--|
| <b>Field Observations:</b><br>Surface Water Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>1</u><br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>8</u><br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: R-4-Wet

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |  |
|---|------------------|-------------------|------------------|---|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                  |                   |                  |   |  |
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>5</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |  |
| 2. <u>Fraxinus pennsylvanica</u>                      | <u>20</u>        | <u>Yes</u>        | <u>FACW</u>      |   |  |
| 3. <u>Ulmus americana</u>                             | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            |   |  |
| <u>30</u> = Total Cover                               |                  |                   |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____   |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                  |                   |                  |   |  |
| 1. <u>Rhamnus cathartica</u>                          | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |   |  |
| 2. <u>Cornus racemosa</u>                             | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |   |  |
| 3. _____  | _____            | _____             | _____            |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            | <b>Hydrophytic Vegetation Indicators:</b><br>___ 1 - Rapid Test for Hydrophytic Vegetation<br><u>X</u> 2 - Dominance Test is >50%<br>___ 3 - Prevalence Index is ≤3.0 <sup>1</sup><br>___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br>___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |  |
| <u>20</u> = Total Cover                               |                  |                   |                  |   |  |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )           |                  |                   |                  |   |  |
| 1. <u>Onoclea sensibilis</u>                          | <u>40</u>        | <u>Yes</u>        | <u>FACW</u>      |   |  |
| 2. <u>Carex stricta</u>                               | <u>10</u>        | <u>No</u>         | <u>OBL</u>       |   |  |
| 3. <u>Phalaris arundinacea</u>                        | <u>10</u>        | <u>No</u>         | <u>FAC</u>       |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            |   |  |
| 8. _____  | _____            | _____             | _____            |   |  |
| 9. _____  | _____            | _____             | _____            |   |  |
| 10. _____   | _____            | _____             | _____            |   |  |
| 11. _____   | _____            | _____             | _____            |   |  |
| 12. _____   | _____            | _____             | _____            |   |  |
| <u>60</u> = Total Cover                               |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.                        |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )    |                  |                   |                  |   |  |
| 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.)





**Wetland G-R-4-Wet**



**Wetland G-R-4-Wet - Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.3, G-R-4 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-4-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Lake Plains Local relief (concave, convex, none): Concave Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 37.21" Long: 73° 48' 33.42" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Rhinebeck Silty Clay Loam NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/><br>Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/><br>Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|  |   |
|--|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)  | Secondary Indicators (minimum of two required)  |
| <input 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) | <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 <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/> |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: R-4-Up

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |  |
|---|------------------|-------------------|------------------|---|--|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )          |                  |                   |                  |   |  |
| 1. <u><i>Pinus strobus</i></u>                        | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      | <b>Dominance Test worksheet:</b><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>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>28.6%</u> (A/B)   |  |
| 2. <u><i>Acer saccharum</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. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            |   |  |
| <u>30</u> =Total Cover                                |                  |                   |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____   |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> ) |                  |                   |                  |   |  |
| 1. <u><i>Fraxinus americana</i></u>                   | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |   |  |
| 2. _____  | _____            | _____             | _____            |   |  |
| 3. _____  | _____            | _____             | _____            |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            |   |  |
| <u>10</u> =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 $\leq 3.0^1$<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</b> (Plot size: <u>5'</u> )           |                  |                   |                  |   |  |
| 1. <u><i>Fragaria virginiana</i></u>                  | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |   |  |
| 2. <u><i>Onoclea sensibilis</i></u>                   | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |   |  |
| 3. _____  | _____            | _____             | _____            |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| 5. _____  | _____            | _____             | _____            |   |  |
| 6. _____  | _____            | _____             | _____            |   |  |
| 7. _____  | _____            | _____             | _____            |   |  |
| 8. _____  | _____            | _____             | _____            |   |  |
| 9. _____  | _____            | _____             | _____            |   |  |
| 10. _____   | _____            | _____             | _____            |   |  |
| 11. _____   | _____            | _____             | _____            |   |  |
| 12. _____   | _____            | _____             | _____            |   |  |
| <u>25</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</b> (Plot size: <u>15'</u> )    |                  |                   |                  |   |  |
| 1. <u><i>Toxicodendron radicans</i></u>               | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |   |  |
| 2. <u><i>Parthenocissus quinquefolia</i></u>          | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |   |  |
| 3. _____  | _____            | _____             | _____            |   |  |
| 4. _____  | _____            | _____             | _____            |   |  |
| <u>20</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.)





**Upland G-R-4-Up**



**Upland G-R-4-Up- Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/21  
 Applicant/Owner: CHA State: NY Sampling Point: BB-3  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.45958 Long: -73.80974 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland BB   |   |

### 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><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) <u>X</u> 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 <u>X</u> No _____ Depth (inches): <u>6</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>3</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: BB-3

|  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |  |
|--|---------------------|----------------------|---------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>30</u> )          |                     |                      |                     |  |
| 1.   |                     |                      |                     |  |
| 2.   |                     |                      |                     |  |
| 3.   |                     |                      |                     |  |
| 4.   |                     |                      |                     |  |
| 5.   |                     |                      |                     |  |
| 6.   |                     |                      |                     |  |
| 7.   |                     |                      |                     |  |
|  |                     | =Total Cover         |                     |  |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15</u> ) |                     |                      |                     |  |
| 1.   | <u>40</u>           | Yes                  | FACW                |  |
| 2.   |                     |                      |                     |  |
| 3.   |                     |                      |                     |  |
| 4.   |                     |                      |                     |  |
| 5.   |                     |                      |                     |  |
| 6.   |                     |                      |                     |  |
| 7.   |                     |                      |                     |  |
|  | <u>40</u>           | =Total Cover         |                     |  |
| <b>Herb Stratum</b> (Plot size: <u>5</u> )           |                     |                      |                     |  |
| 1.   | <u>60</u>           | Yes                  | FACW                |  |
| 2.   | <u>35</u>           | Yes                  | FACW                |  |
| 3.   |                     |                      |                     |  |
| 4.   |                     |                      |                     |  |
| 5.   |                     |                      |                     |  |
| 6.   |                     |                      |                     |  |
| 7.   |                     |                      |                     |  |
| 8.   |                     |                      |                     |  |
| 9.   |                     |                      |                     |  |
| 10.  |                     |                      |                     |  |
| 11.  |                     |                      |                     |  |
| 12.  |                     |                      |                     |  |
|  | <u>95</u>           | =Total Cover         |                     |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>30</u> )    |                     |                      |                     |  |
| 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)

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**Prevalence Index worksheet:**

|                          | Total % Cover of: |     | Multiply by: |                |
|--------------------------|-------------------|-----|--------------|----------------|
| OBL species              | <u>0</u>          |     | x 1 =        | <u>0</u>       |
| FACW species             | <u>135</u>        |     | x 2 =        | <u>270</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>135</u>        | (A) |              | <u>270</u> (B) |
| Prevalence Index = B/A = |                   |     |              | <u>2.00</u>    |

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**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.

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**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.

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**Hydrophytic Vegetation Present?**      Yes   x        No

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





**Wetland BB- View facing southeast**



**Wetland BB- Soils**

**WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/2021  
 Applicant/Owner: CHA State: NY Sampling Point: BB-1 Upland  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.45976 Long: -73.80957 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ 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>Upland for Wetland BB  |   |

**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: BB-1 Upland

| <u>Tree Stratum</u> (Plot size: _____ )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|--|------------------|-------------------|------------------|--|-------------------|--------------|----------------------|----------------|-----------------------|----------------|-----------------------|-----------------|------------------------|------------------|----------------------|----------------|-------------------------------|----------------|--------------------------------------|--|
| 1. <u>Quercus rubra</u>                          | 40               | Yes               | FACU             | <p><b>Dominance Test worksheet:</b></p> <p>Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)</p> <p>Total Number of Dominant Species Across All Strata: <u>4</u> (B)</p> <p>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>25.0%</u> (A/B)</p> <p><b>Prevalence Index worksheet:</b></p> <table style="width:100%; border-collapse: collapse;"> <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>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>80</u></td> <td>x 4 = <u>320</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>105</u> (A)</td> <td><u>395</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center">Prevalence Index = B/A = <u>3.76</u></td> </tr> </tbody> </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>80</u> | x 4 = <u>320</u> | UPL species <u>0</u> | x 5 = <u>0</u> | Column Totals: <u>105</u> (A) | <u>395</u> (B) | Prevalence Index = B/A = <u>3.76</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>80</u>                           | x 4 = <u>320</u> |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| UPL species <u>0</u>                             | x 5 = <u>0</u>   |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Column Totals: <u>105</u> (A)                    | <u>395</u> (B)   |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| Prevalence Index = B/A = <u>3.76</u>             |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. <u>Prunus serullata</u>                       | 20               | Yes               | FACU             |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  | <u>60</u>        | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: _____ ) | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Lonicera spp.</u>                          | 25               | Yes               | FAC              | <p><b>Hydrophytic Vegetation Indicators:</b></p> <p><u>  </u> 1 - Rapid Test for Hydrophytic Vegetation</p> <p><u>  </u> 2 - Dominance Test is &gt;50%</p> <p><u>  </u> 3 - Prevalence Index is ≤3.0<sup>1</sup></p> <p><u>  </u> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</p> <p><u>  </u> Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)</p> <p><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</p> <p><b>Definitions of Vegetation Strata:</b></p> <p><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.</p> <p><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</p> <p><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</p> <p><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.</p> <p><b>Hydrophytic Vegetation Present?</b>      Yes <u>  </u>      No <u>  X  </u></p> |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  | <u>25</u>        | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| <u>Herb Stratum</u> (Plot size: _____ )          | Absolute % Cover | Dominant Species? | Indicator Status |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 1. <u>Solidago spp.</u>                          | 20               | Yes               | FACU             | <p><b>Woody Vine Stratum</b> (Plot size: _____ )</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p style="text-align:right">_____ =Total Cover</p>  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 2. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 3. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 4. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 5. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 6. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 7. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 8. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 9. _____   |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 10. _____  |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 11. _____  |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
| 12. _____  |                  |                   |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |
|  | <u>20</u>        | =Total Cover      |                  |  |                   |              |                      |                |                       |                |                       |                 |                        |                  |                      |                |                               |                |                                      |  |

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





**Upland BB- View facing south**



**Upland BB- Soils**

Project/Site: CHPE - Segment 10 - Package 6 City/County: New Baltimore/Greene Sampling Date: 8/29/23  
 Applicant/Owner: TDI State: NY Sampling Point: TC-B-30 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: 42.452941 Long: -73.811880 Datum: WGS84  
 Soil Map Unit Name: KrA-Kingsbury and Rhinebeck soils 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 _____<br>Hydric Soil Present? Yes <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>shrub swamp  |   |

**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>___ <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: TC-B-30 wet

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover   | Dominant Species? | Indicator Status |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
|---|--------------------|-------------------|------------------|--|-------------------|--------------|-----------------------|-----------------|------------------------|-----------------|-----------------------|------------------|-----------------------|----------------|----------------------|-----------------|---------------------------|--------------------|--------------------------------------|--|
| 1. <u>Fraxinus pennsylvanica</u>                      | 5                  | Yes               | FACW             | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>4</u> (B)<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><table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:center;">Total % Cover of:</td> <td style="width:50%; text-align:center;">Multiply by:</td> </tr> <tr> <td>OBL species <u>22</u></td> <td>x 1 = <u>22</u></td> </tr> <tr> <td>FACW species <u>45</u></td> <td>x 2 = <u>90</u></td> </tr> <tr> <td>FAC species <u>98</u></td> <td>x 3 = <u>294</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>170</u></td> <td>(A) <u>431</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u>2.54</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>22</u> | x 1 = <u>22</u> | FACW species <u>45</u> | x 2 = <u>90</u> | FAC species <u>98</u> | x 3 = <u>294</u> | FACU species <u>0</u> | x 4 = <u>0</u> | UPL species <u>5</u> | x 5 = <u>25</u> | Column Totals: <u>170</u> | (A) <u>431</u> (B) | Prevalence Index = B/A = <u>2.54</u> |  |
| Total % Cover of:                                     | Multiply by:       |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| OBL species <u>22</u>                                 | x 1 = <u>22</u>    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| FACW species <u>45</u>                                | x 2 = <u>90</u>    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| FAC species <u>98</u>                                 | x 3 = <u>294</u>   |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| FACU species <u>0</u>                                 | x 4 = <u>0</u>     |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| UPL species <u>5</u>                                  | x 5 = <u>25</u>    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| Column Totals: <u>170</u>                             | (A) <u>431</u> (B) |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| Prevalence Index = B/A = <u>2.54</u>                  |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 1. <u>Cornus racemosa</u>                             | 80                 | Yes               | FAC              | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 2. <u>Rhus typhina</u>                                | 5                  | No                | UPL              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 3. <u>Viburnum recognitum</u>                         | 8                  | No                | FAC              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 5. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 6. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 7. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
|   | 93                 | =Total Cover      |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 1. <u>Lythrum salicaria</u>                           | 15                 | Yes               | OBL              | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<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>                          | 30                 | Yes               | FACW             |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 3. <u>Viburnum recognitum</u>                         | 5                  | No                | FAC              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 4. <u>Cornus racemosa</u>                             | 5                  | No                | FAC              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 5. <u>Typha angustifolia</u>                          | 5                  | No                | OBL              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 6. <u>Persicaria sagittata</u>                        | 2                  | No                | OBL              |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 7. <u>Aster novae-angliae</u>                         | 10                 | No                | FACW             |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 8. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 9. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 10. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 11. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 12. _____   | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
|   | 72                 | =Total Cover      |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                    |                   |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 1. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 2. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 3. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
| 4. _____  | _____              | _____             | _____            |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |
|   | _____              | =Total Cover      |                  |  |                   |              |                       |                 |                        |                 |                       |                  |                       |                |                      |                 |                           |                    |                                      |  |

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





**Wetland B-30- View facing east**



**Wetland B-30- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

Project/Site: CHPE - Segment 10 - Package 6 City/County: New Baltimore/Greene Sampling Date: 8/29/23  
 Applicant/Owner: TDI State: NY Sampling Point: TC-B-30 upl  
 Investigator(s): N. Frazer & C. Einstein Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): convex Slope %: 2  
 Subregion (LRR or MLRA): LRR R Lat: 42.453008 Long: -73.812047 Datum: WGS84  
 Soil Map Unit Name: KrA-Kingsbury and Rhinebeck soils 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 x, 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>ROW- recently mowed  |   |

**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: TC-B-30 upl

| <u>Tree Stratum</u> (Plot size: <u>30'</u> )          | Absolute % Cover | Dominant Species? | Indicator Status |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
|---|------------------|-------------------|------------------|---|-------------------|--------------|----------------------|----------------|-----------------------|----------------|----------------------|-----------------|------------------------|------------------|----------------------|-----------------|------------------------------|----------------|--------------------------------------|--|
| 1. _____  | _____            | _____             | _____            | <b>Dominance Test worksheet:</b><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>4</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><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Total % Cover of:</td> <td style="width:50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>8</u></td> <td>x 1 = <u>8</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>7</u></td> <td>x 3 = <u>21</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>50</u> (A)</td> <td><u>174</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.48</u></td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species <u>8</u> | x 1 = <u>8</u> | FACW species <u>0</u> | x 2 = <u>0</u> | FAC species <u>7</u> | x 3 = <u>21</u> | FACU species <u>30</u> | x 4 = <u>120</u> | UPL species <u>5</u> | x 5 = <u>25</u> | Column Totals: <u>50</u> (A) | <u>174</u> (B) | Prevalence Index = B/A = <u>3.48</u> |  |
| Total % Cover of:                                     | Multiply by:     |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| OBL species <u>8</u>                                  | x 1 = <u>8</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| FACW species <u>0</u>                                 | x 2 = <u>0</u>   |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| FAC species <u>7</u>                                  | x 3 = <u>21</u>  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| FACU species <u>30</u>                                | x 4 = <u>120</u> |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| UPL species <u>5</u>                                  | x 5 = <u>25</u>  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| Column Totals: <u>50</u> (A)                          | <u>174</u> (B)   |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| Prevalence Index = B/A = <u>3.48</u>                  |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| <u>Sapling/Shrub Stratum</u> (Plot size: <u>15'</u> ) |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 1. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 2. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 3. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 4. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 5. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 6. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| <u>Herb Stratum</u> (Plot size: <u>5'</u> )           |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 1. <u>Solidago canadensis</u>                         | <u>20</u>        | Yes               | FACU             |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 2. <u>Oxalis stricta</u>                              | <u>2</u>         | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 3. <u>Lythrum salicaria</u>                           | <u>8</u>         | Yes               | OBL              |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 4. <u>Artemisia vulgaris</u>                          | <u>5</u>         | No                | UPL              |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 5. <u>Plantago major</u>                              | <u>1</u>         | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 6. <u>Rumex crispus</u>                               | <u>2</u>         | No                | FAC              |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 7. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 8. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 9. _____  | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 10. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 11. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 12. _____   | _____            | _____             | _____            |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| _____ =Total Cover                                    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>30'</u> )    |                  |                   |                  |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 1. <u>Clematis virginiana</u>                         | <u>5</u>         | Yes               | FAC              |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 2. <u>Parthenocissus quinquefolia</u>                 | <u>5</u>         | Yes               | FACU             |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 3. <u>Vitis labrusca</u>                              | <u>2</u>         | No                | FACU             |   |                   |              |                      |                |                       |                |                      |                 |                        |                  |                      |                 |                              |                |                                      |  |
| 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.)





**Upland TC-B-30- View facing north**



**Upland TC-B-30- Soils**

**Segment 10-Package 6**

**SITE PHOTOGRAPHS**  
**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.6, G-R-5 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-5-Wet  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Depressions, Toeslopes Local relief (concave, convex, none): Convex Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 26.98" Long: 73° 48' 36.65" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Covington NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | <b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No _____<br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|  |   |
|--|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)  | Secondary Indicators (minimum of two required)  |
| <input 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 checked="" 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) | <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 _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>12</u><br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: R-5-Wet

|  | Absolute % Cover | Dominant Species? | Indicator Status |   |
|--|------------------|-------------------|------------------|---|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )   |                  |                   |                  |   |
| 1. <u><i>Ulmus americana</i></u>   | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)  |
| 2. _____   | _____            | _____             | _____            |   |
| 3. _____   | _____            | _____             | _____            |   |
| 4. _____   | _____            | _____             | _____            |   |
| 5. _____   | _____            | _____             | _____            |   |
| 6. _____   | _____            | _____             | _____            |   |
| 7. _____   | _____            | _____             | _____            |   |
|  | <u>10</u>        | =Total Cover      |                  |   |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )  |                  |                   |                  |   |
| 1. <u><i>Rhamnus cathartica</i></u>  | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>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 = _____   |
| 2. <u><i>Cornus racemosa</i></u>   | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       |   |
| 3. _____   | _____            | _____             | _____            |   |
| 4. _____   | _____            | _____             | _____            |   |
| 5. _____   | _____            | _____             | _____            |   |
| 6. _____   | _____            | _____             | _____            |   |
| 7. _____   | _____            | _____             | _____            |   |
|  | <u>15</u>        | =Total Cover      |                  |   |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )  |                  |                   |                  |   |
| 1. <u><i>Onoclea sensibilis</i></u>  | <u>20</u>        | <u>Yes</u>        | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$<br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. <u><i>Phragmites australis</i></u>  | <u>75</u>        | <u>Yes</u>        | <u>FACW</u>      |   |
| 3. _____   | _____            | _____             | _____            |   |
| 4. _____   | _____            | _____             | _____            |   |
| 5. _____   | _____            | _____             | _____            |   |
| 6. _____   | _____            | _____             | _____            |   |
| 7. _____   | _____            | _____             | _____            |   |
| 8. _____   | _____            | _____             | _____            |   |
| 9. _____   | _____            | _____             | _____            |   |
| 10. _____  | _____            | _____             | _____            |   |
| 11. _____  | _____            | _____             | _____            |   |
| 12. _____  | _____            | _____             | _____            |   |
|  | <u>95</u>        | =Total Cover      |                  |   |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )   |                  |                   |                  |   |
| 1. <u><i>Toxicodendron radicans</i></u>  | <u>5</u>         | <u>Yes</u>        | <u>FAC</u>       | <b>Definitions of Vegetation Strata:</b><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<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><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<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 <input checked="" type="checkbox"/> No <input type="checkbox"/> |                  |                   |                  |   |

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





**Wetland G-R-5-Wet**



**Wetland G-R-5-Wet - Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Birchwood Lane - MP 204.6, G-R-5 City/County: West Coxsackie/Greene Sampling Date: 8/29/2023  
 Applicant/Owner: CHPE State: NY Sampling Point: R-5-Up  
 Investigator(s): K. Weiskotten, K. Schumacher Section, Township, Range: New Baltimore  
 Landform (hillside, terrace, etc.): Depressions, Toeslopes Local relief (concave, convex, none): Convex Slope (%): \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 27' 26.98" Long: 73° 48' 36.65" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Covington NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  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 <input checked="" type="checkbox"/><br>Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/><br>Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/><br>If yes, optional Wetland Site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)  |  |

**HYDROLOGY**

|  |   |
|--|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)  | Secondary Indicators (minimum of two required)  |
| <input 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) | <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 <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | <b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/> |
|---|--|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

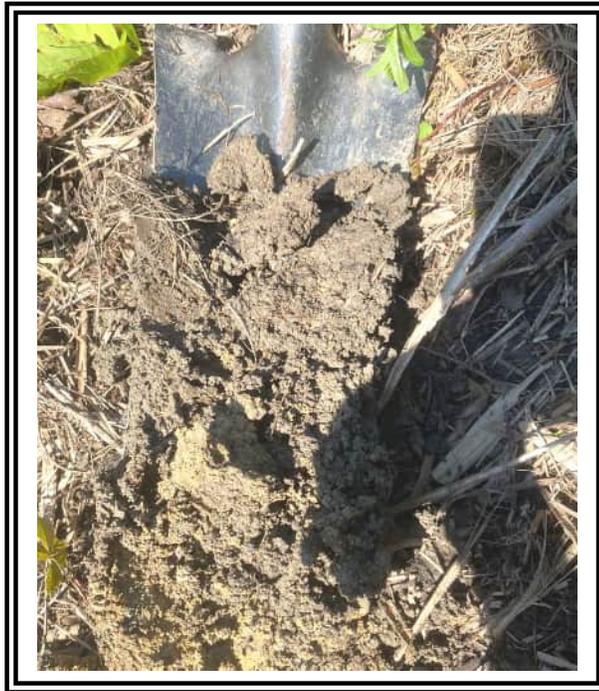
Sampling Point: R-5-Up

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |
|---|------------------|-------------------|------------------|---|
| <b>Tree Stratum</b> (Plot size: <u>30'</u> )                  |                  |                   |                  | <b>Dominance Test worksheet:</b><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)   |
| 1. <u><i>Tilia americana</i></u>                              | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |
| 2. <u><i>Acer saccharum</i></u>                               | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
|   | <u>10</u>        | =Total Cover      |                  |   |
| <b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )         |                  |                   |                  |   |
| 1. <u><i>Cornus racemosa</i></u>                              | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |   |
| 2. _____  |                  |                   |                  |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
|   | <u>10</u>        | =Total Cover      |                  |   |
| <b>Herb Stratum</b> (Plot size: <u>5'</u> )                   |                  |                   |                  | <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 $\leq 3.0^1$<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. |
| 1. <u><i>Plantago major</i></u>                               | <u>10</u>        | <u>Yes</u>        | <u>FACU</u>      |   |
| 2. <u><i>Onoclea sensibilis</i></u>                           | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
| 5. _____  |                  |                   |                  |   |
| 6. _____  |                  |                   |                  |   |
| 7. _____  |                  |                   |                  |   |
| 8. _____  |                  |                   |                  |   |
| 9. _____  |                  |                   |                  |   |
| 10. _____   |                  |                   |                  |   |
| 11. _____   |                  |                   |                  |   |
| 12. _____   |                  |                   |                  |   |
|   | <u>20</u>        | =Total Cover      |                  |   |
| <b>Woody Vine Stratum</b> (Plot size: <u>15'</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. <u><i>Parthenocissus quinquefolia</i></u>                  | <u>15</u>        | <u>Yes</u>        | <u>FACU</u>      |   |
| 3. _____  |                  |                   |                  |   |
| 4. _____  |                  |                   |                  |   |
|   | <u>15</u>        | =Total Cover      |                  |   |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <u>  </u> No <u>  X  </u>  |
|   |                  |                   |                  |   |





**Upland G-R-5-Up**



**Upland G-R-5-Up- Soils**

**Supplemental Package 6**

**SITE PHOTOGRAPHS**

**Champlain Hudson Power Express**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6 City/County: Ravena Sampling Date: 11/29/21  
 Applicant/Owner: CHA State: NY Sampling Point: CB-2  
 Investigator(s): Nick Dominic/Justin Williams Section, Township, Range: \_\_\_\_\_  
 Landform (hillside, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope %: \_\_\_\_\_  
 Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.45958 Long: -73.80974 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ 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 No, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No \_\_\_\_\_  
 Are Vegetation N, Soil N, or Hydrology N 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 <u>X</u> No _____<br>Wetland Hydrology 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: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Wetland CB   |   |

### 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><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) <u>X</u> 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 <u>X</u> No _____ Depth (inches): <u>6</u><br>Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>3</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: