| Project/Site: Mill Point | | City/County: Fult | onville, Montgomery Count | .y | Sampling Date: 202 | 20-Oct-27 |
|--|-----------------------|-----------------------|--------------------------------|-------------|---|----------------------|
| Applicant/Owner: ConnectGer | า | - | State: New | v York | Sampling Point: W-CIV | W-02_UPL-1 |
| Investigator(s): Camille Warne | r, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, etc.) |): Foot slope | | Local relief (concave, conve | ex, none): | None | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | .RR R | | Lat: 42.899149 | Long:_ | -74.3444622 | Datum: WGS84 |
| Soil Map Unit Name: Darien s | ilt loam, 3 to 8 perc | ent slopes | | | NWI classification | n: |
| Are climatic/hydrologic condition | s on the site typica | l for this time of ye | ar? Yes No | (If no | o, explain in Remarks.) | |
| Are Vegetation, Soil, | or Hydrology _ | significantly di | sturbed? Are "Norma | al Circumst | tances" present? | Yes No _ _/ _ |
| Are Vegetation, Soil, | or Hydrology _ | naturally prob | ematic? (If needed, | explain an | y answers in Remarks. |) |
| SUMMARY OF FINDINGS – A | Attach site man | showing sampli | ng noint locations, tran | sects im | nortant features | etc |
| Hydrophytic Vegetation Present | | No/_ | | isects, iii | iportant reatures, e | |
| Hydric Soil Present? | | No | Is the Sampled Area withir | n a Wetlani | d? Yes | No/ |
| | | | i | | u. 163 | |
| Wetland Hydrology Present? Remarks: (Explain alternative pr | | No | If yes, optional Wetland Sit | te ID: | | |
| | | | | | | |
| HYDROLOGY Wetland Hydrology Indicators: | | | | | | |
| Primary Indicators (minimum of | one is required; ch | eck all that apply) | | Secondary | y Indicators (minimum | of two required) |
| Surface Water (A1) | | _ Water-Stained Lea | aves (B9) | | e Soil Cracks (B6) | |
| High Water Table (A2) | | _ Aquatic Fauna (B1 | | | age Patterns (B10) | |
| Saturation (A3) | | Marl Deposits (B1 | | | Trim Lines (B16) | |
| Water Marks (B1) | _ | _ Hydrogen Sulfide | Odor (C1) | - | eason Water Table (C2) sh Burrows (C8) | |
| Sediment Deposits (B2) | _ | | neres on Living Roots (C3) | - | ition Visible on Aerial Ir | magery (C9) |
| Drift Deposits (B3) | | Presence of Redu | | | ed or Stressed Plants (D | |
| Algal Mat or Crust (B4) | | | ction in Tilled Soils (C6) | | orphic Position (D2) | , |
| Iron Deposits (B5) | | Thin Muck Surface | | | w Aquitard (D3) | |
| Inundation Visible on Aerial Sparsely Vegetated Concave | | Other (Explain in l | Remarks) | | copographic Relief (D4) | |
| sparsely vegetated concave | | | | FAC-Ne | eutral Test (D5) | |
| Field Observations: | ., | | <i>a</i> | | | |
| Surface Water Present? | Yes No _ | · | (inches): | | | |
| Water Table Present? | Yes No _ | | (inches): | Wetland I | Hydrology Present? | Yes No |
| Saturation Present? | Yes No _ | <u>✓</u> Depth | (inches): | | | |
| (includes capillary fringe) | | | | | | · |
| Remarks: The criterion for wetland hydrol | | g weii, aeriai prioto | s, previous inspections), ii a | ivaliable. | | |
| | | | | | | |

| | | | | 1 | | |
|---|------------|-------------|-------------|---|-----------------|--------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| 4 | % Cover | Species? | Status | Number of Dominant Species Are OBL, FACW, or FAC: | nat 0 | (A) |
| 1 | | | | Total Number of Dominant Spe | cies | |
| 3. | | | | Across All Strata: | 2 | (B) |
| 4. | | | | Percent of Dominant Species T | hat 0 | (A /D) |
| | | | | Are OBL, FACW, or FAC: | | (A/B) |
| 5. | | | | Prevalence Index worksheet: | | |
| 6 | | | | Total % Cover of: | <u>Multiply</u> | <u> Ву:</u> |
| 7 | | Tatal Car | | OBL species 0 | x 1 = | 0 |
| 5 1: (51 1 5: (P) 1 : 45 6:) | 0 | = Total Cov | er | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 5 | x 3 = | 15 |
| 1 | | | | FACU species 100 | x 4 = | 400 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | Column Totals 105 | (A) | 415 (B) |
| 4 | | | | Prevalence Index = B | /A =4 | |
| 5 | | | | Hydrophytic Vegetation Indicat | ors. | |
| 6 | | | | 1- Rapid Test for Hydroph | | n |
| 7 | | | | 2 - Dominance Test is > 50 | - | '' |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adapta | | sunnorting |
| 1. <i>Poa pratensis</i> | 70 | Yes | FACU | daţa in Remarks or on a separa | | . supporting |
| 2. <i>Plantago lanceolata</i> | 30 | Yes | FACU | Problematic Hydrophytic | | xplain) |
| 3. <i>Galium boreale</i> | 5 | No | FAC | ¹Indicators of hydric soil and w | - | |
| 4. | - | | | present, unless disturbed or pr | - | ,ast 20 |
| 5. | | | | Definitions of Vegetation Strate | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 c | | diameter at |
| 7. | | | | breast height (DBH), regardless | | |
| 8. | | | | Sapling/shrub – Woody plants | _ | DBH and |
| 9. | | | | greater than or equal to 3.28 ft | | |
| 10. | | | | Herb – All herbaceous (non-wo | ody) plants, re | egardless of |
| 11. | | | | size, and woody plants less tha | n 3.28 ft tall. | |
| 12. | | | | Woody vines – All woody vines | greater than 3 | 3.28 ft in |
| | 105 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | | . . | Hydrophytic Vegetation Prese | nt? Yes | No <u> </u> |
| 1. | | | | | | |
| 2 | | | | • | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 4. | 0 | = Total Cov | or | | | |
| | | _ 10tal Cov | er | | | |
| Remarks: (Include photo numbers here or on a separate | te sheet.) | | | | | |
| Residential lawn. No positive indication of hydrophytic | vegetation | was observ | ⁄ed (≥50% o | of dominant species indexed as F | AC− or drier). | |
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| | cription: (Describe | to the de | • | | | indicato | r or confirm the a | bsence of i | ndicators.) |
|---------------|-----------------------------|-----------|---------------------|----------|-------------------|------------------|-----------------------------|----------------|---|
| Depth _ | Matrix | | Redox | | | | _ | | |
| (inches) | Color (moist) | | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | | Remarks |
| 0 - 14 | 7.5YR 2.5/1 | 100 | | _ | | | Gravelly Silty Cl | ay Loam | Tried multiple holes, hit gravel each time |
| | | | | _ | | | - | | |
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| ¹Type: C = C | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL | = Pore Lining, M = Matrix. |
| Hydric Soil I | ndicators: | | | | | | | Indicator | s for Problematic Hydric Soils³: |
| Histosol | (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR | R, MLRA 149B) | | Muck (A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark Sur | | | | - | | |
| Black Hi | • | | Loamy Mucky | | | | | | Prairie Redox (A16) (LRR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gleyed | | | | • | | Mucky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted Mat | | | | | | Surface (S7) (LRR K, L) |
| | d Below Dark Surfa | | | | | | | | alue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | |) | | | Dark Surface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depres | sior | ıs (F8) | | | | Manganese Masses (F12) (LRR K, L, R) |
| _ | ileyed Matrix (S4) | | | | | | | | nont Floodplain Soils (F19) (MLRA 149B) |
| - | edox (S5) | | | | | | | | Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | | arent Material (F21) |
| | | II DA 140 | ND) | | | | | Very S | Shallow Dark Surface (TF12) |
| Dark Su | rface (S7) (LRR R, M | ILKA 145 | 7D) | | | | | Other | (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | olog | y must b | e presei | nt, unless disturbe | ed or proble | ematic. |
| Restrictive I | ayer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydrid | Soil Present? | , | Yes No⁄_ |
| | Depth (inches): | | | | | - | | | |
| Remarks: | | | | | | ı | | · | |
| | to coarse fragmer | ate Soil | disturbed althou | th n | ot cianifi | cantly o | acuah to obscure | hydric soil i | indicators, as a result of historical filling or |
| | to coarse fragilier | 115. 3011 | uistui beu, aitiiou | 311111 | ot signini | caritiy ei | lough to obscure | riyuric soii i | indicators, as a result of flistorical filling of |
| grading. | | | | | | | | | |
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Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery Count | ty | Sampling Date: 202 | 20-Oct-27 |
|---------------------------------------|---------------------------------------|-------------------------|-------------------------------|--------------|---|-------------------|
| Applicant/Owner: ConnectGe | n | | State: Nev | v York | Sampling Point: W-CI | W-02_PEM-1 |
| Investigator(s): Camille Warne | er, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, etc. | .): Foot slope | | Local relief (concave, conv | ex, none): | Concave | Slope (%): 2 to 5 |
| Subregion (LRR or MLRA): | LRR R | · | Lat: 42.8962952 | Long: | -74.3432804 | Datum: WGS84 |
| Soil Map Unit Name: Churchy | ille silty clay loam, (| 0 to 3 percent slope | S | | NWI classificatio | n: |
| Are climatic/hydrologic condition | ns on the site typica | al for this time of yea | ar? Yes <u>✓</u> No | (If no | , explain in Remarks.) | |
| Are Vegetation, Soil, | or Hydrology _ | significantly dis | turbed? Are "Norma | al Circumst | ances" present? | Yes No |
| Are Vegetation, Soil, | or Hydrology _ | naturally probl | ematic? (If needed, | explain an | y answers in Remarks | .) |
| | | | | | | |
| SUMMARY OF FINDINGS – | Attach site map | showing samplir | ng point locations, trar | nsects, im | portant features, | etc. |
| Hydrophytic Vegetation Present | t? Yes _ | ✓_ No | | | | |
| Hydric Soil Present? | Yes _ | ✓_ No | Is the Sampled Area withi | n a Wetlan | d? Yes | No |
| Wetland Hydrology Present? | Yes | ✓_ No | If yes, optional Wetland Si | | | IW-02 |
| | · · · · · · · · · · · · · · · · · · · | | | ite ib. | **- | 1100-02 |
| Remarks: (Explain alternative pr | | | | | | |
| Covertype is PEM. Area is wetla | nd, all three wetlan | d parameters are p | resent. | | | |
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| HYDROLOGY | | | | | | |
| IIIDKOLOGI | | | | | | |
| Wetland Hydrology Indicators: | | | | | | |
| Primary Indicators (minimum o | f one is required; ch | neck all that apply) | | Secondary | / Indicators (minimum | of two required) |
| Surface Water (A1) | | _ Water-Stained Lea | ves (R9) | Surface | e Soil Cracks (B6) | |
| High Water Table (A2) | | _ Aquatic Fauna (B1: | | Draina | ge Patterns (B10) | |
| Saturation (A3) | | _ Marl Deposits (B15 | | | Trim Lines (B16) | |
| Water Marks (B1) | | _ Hydrogen Sulfide | | - | ason Water Table (C2) | |
| Sediment Deposits (B2) | | | eres on Living Roots (C3) | - | sh Burrows (C8) | (60) |
| Drift Deposits (B3) | _ | _ Presence of Reduc | ced Iron (C4) | | tion Visible on Aerial I | |
| Algal Mat or Crust (B4) | _ | _ Recent Iron Reduc | tion in Tilled Soils (C6) | | d or Stressed Plants (I | 01) |
| Iron Deposits (B5) | _ | _ Thin Muck Surface | | | orphic Position (D2) | |
| <u>✓</u> Inundation Visible on Aerial | Imagery (B7) | _ Other (Explain in F | Remarks) | | w Aquitard (D3) opographic Relief (D4) | |
| Sparsely Vegetated Concave | Surface (B8) | | | | eutral Test (D5) |) |
| Field Observations: | | | | I AC-IN | edital lest (D3) | |
| Surface Water Present? | Yes No _ | ✓ Depth (| inches): | | | |
| Water Table Present? | Yes No _ | ✓ Depth (| inches): | Wetland F | lydrology Present? | Yes No |
| Saturation Present? | Yes No _ | ✓ Depth (| inches): | - | | |
| (includes capillary fringe) | | | | - | | |
| Describe Recorded Data (strear | n gauge, monitorin | g well, aerial photos | , previous inspections), if a | available: | | |
| • | | | ., | | | |
| | | | | | | |
| Para autori | _ | | | | | |
| Remarks: | | | | 14.1 | | , |
| The criterion for wetland hydro | logy is met. A positi | ive indication of wet | land hydrology was observ | ved (at leas | st one primary indicate | or). |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
|---|------------|-------------|-------------|--|--------------|-------------|
| | % Cover | Species? | Status | Number of Dominant Species That | 2 | (A) |
| 1. | | | | Are OBL, FACW, or FAC: Total Number of Dominant Species | - | |
| 2 | | | | Across All Strata: | 2 | (B) |
| 3 | | | | Percent of Dominant Species That | | |
| 4 | | | | Are OBL, FACW, or FAC: | 100 | (A/B) |
| 5 | | | | Prevalence Index worksheet: | | |
| 6. | | | | Total % Cover of: | Multiply E | <u>Ву:</u> |
| 7 | | | | OBL species 40 | x 1 = | 40 |
| | 0 | = Total Cov | er | FACW species 65 | x 2 = | 130 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 0 | x 4 = | 0 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | Column Totals 105 | (A) | 170 (B) |
| 4 | | | | Prevalence Index = B/A = | 1.6 | (-/ |
| 5 | | | | Hydrophytic Vegetation Indicators: | | |
| 6. | | | | 1- Rapid Test for Hydrophytic | Vogotation | |
| 7 | | | | 2 - Dominance Test is >50% | regetation | |
| | 0 | = Total Cov | er | \checkmark 3 - Prevalence Index is $\le 3.0^{\circ}$ | | |
| Herb Stratum (Plot size:5 ft) | | | | 4 - Morphological Adaptations | 1 (Provido s | cupporting |
| 1. <i>Phalaris arundinacea</i> | 60 | Yes | FACW | dața in Remarks or on a separate sl | • | supporting |
| 2. Lythrum salicaria | 30 | Yes | OBL | Problematic Hydrophytic Vege | | nlain) |
| 3. Typha angustifolia | 10 | No | OBL | Indicators of hydric soil and wetlan | | |
| 4. Phragmites australis | 5 | No | FACW | present, unless disturbed or proble | - | y mast be |
| 5. | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in d | liameter at |
| 7. | | | | breast height (DBH), regardless of h | | |
| 8. | | | | Sapling/shrub – Woody plants less t | han 3 in. D | BH and |
| 9. | | | | greater than or equal to 3.28 ft (1 m | ı) tall. | |
| 10. | | | | Herb – All herbaceous (non-woody) | plants, reg | ardless of |
| 11. | | | | size, and woody plants less than 3.2 | 28 ft tall. | |
| 12. | | | | Woody vines – All woody vines grea | ter than 3.2 | 28 ft in |
| | 105 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size: 30 ft) | | - | | Hydrophytic Vegetation Present? | Yes 🟒 N | 0 |
| 1. | | | | | | |
| 2. | | | | • | | |
| 3. | | | | | | |
| 4. | | | | | | |
| · - | 0 | = Total Cov | er | • | | |
| | | | | | | |
| Remarks: (Include photo numbers here or on a separat | | | | | | |
| A positive indication of hydrophytic vegetation was obs | erved (>50 | % of domin | ant species | indexed as OBL, FACW, or FAC). | | |
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| Profile Des | cription: (Describe t | to the c | lepth needed to d | docun | nent the | indicato | r or confirm the a | absence of indicate | ors.) |
|---------------|------------------------------|----------|-------------------|---------|-------------------|-----------------|-----------------------------|---------------------|--|
| Depth | Matrix | | Redox | (Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Text | ture | Remarks |
| 0 - 20 | 7.5YR 3/2 | 90 | 7.5YR 4/6 | 10 | C | М | Silty Cla | ay Loam | |
| | | | | . — | | | | | |
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| ¹Type: C = 0 | Concentration, D = I | Depleti | on, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² l | Location: PL = Pore | E Lining, M = Matrix. |
| Hydric Soil | | | | | | | | | roblematic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | elow S | Surface (S | 88) (LRR | R. MLRA 149B) | | • |
| | oipedon (A2) | | Thin Dark Su | | | | | | (A10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Muck | | | | | | e Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | - | | | • | • | Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted Ma | | | | | | e (S7) (LRR K, L) |
| Deplete | d Below Dark Surfa | ace (A1 | | | | | | - | elow Surface (S8) (LRR K, L) |
| Thick Da | ark Surface (A12) | | Depleted Da | ırk Su | rface (F7 |) | | | urface (S9) (LRR K, L) |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essior | ns (F8) | | | _ | nese Masses (F12) (LRR K, L, R) |
| Sandy C | Gleyed Matrix (S4) | | | | | | | | loodplain Soils (F19) (MLRA 149B) |
| Sandy F | Redox (S5) | | | | | | | | ic (TA6) (MLRA 144A, 145, 149B) |
| Strippe | d Matrix (S6) | | | | | | | Red Parent | |
| Dark Su | ırface (S7) (LRR R, M | ILRA 14 | 19B) | | | | | | w Dark Surface (TF12) |
| | | | | | | | | Other (Expl | |
| - | of hydrophytic veg | | and wetland hyd | rolog | y must b | e preser | it, unless disturbe | ed or problematic | • |
| Restrictive | Layer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes/_ No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive in | ndication of hydric | soil wa | s observed. The o | riterio | on for hy | dric soil | is met. | | |
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Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | nville, Montgomery Count | У | Sampling Date: 202 | 20-Oct-27 |
|--|---------------------------|---|--|--|---|--------------------|
| Applicant/Owner: ConnectGe | n | | State: New | v York | Sampling Point: W-Cl | W-02_UPL-2 |
| Investigator(s): Camille Warne | r, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, etc. |): Flat | | Local relief (concave, conv | ex, none): | None | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | _RR R | | Lat: 42.8984915 | Long: | -74.3424756 | Datum: WGS84 |
| Soil Map Unit Name: Churchy | ille silty loam, 0 to 3 r | percent slopes | | | NWI classification | n: |
| Are climatic/hydrologic condition | ns on the site typical f | for this time of yea | r? Yes 🔽 No | (If no | o, explain in Remarks.) | |
| Are Vegetation $\underline{\checkmark}$, Soil $\underline{\checkmark}$, | or Hydrology | significantly dis | turbed? Are "Norma | al Circumst | tances" present? | Yes No _ _ |
| Are Vegetation, Soil, | or Hydrology | naturally proble | ematic? (If needed, | explain an | y answers in Remarks. | .) |
| | | | | | | |
| SUMMARY OF FINDINGS – A | | | g point locations, tran | isects, in | iportant features, o | etc. |
| Hydrophytic Vegetation Present | | No _ _ _ | | _ | | |
| Hydric Soil Present? | | <u>/_</u> No | Is the Sampled Area withi | in a Wetlar | nd? Yes | s No⁄_ |
| Wetland Hydrology Present? | Yes | _ No _ _ | If yes, optional Wetland S | ite ID: | | |
| | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave | | Water-Stained Lea Aquatic Fauna (B13 Marl Deposits (B15 Hydrogen Sulfide (Oxidized Rhizosph Presence of Reduc | ves (B9) 3) c) Odor (C1) eres on Living Roots (C3) ed Iron (C4) cion in Tilled Soils (C6) (C7) | Surface Draina Moss - Dry-Se Crayfis Satura Stunte Geom Shallo | y Indicators (minimum ce Soil Cracks (B6) age Patterns (B10) Trim Lines (B16) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial II ed or Stressed Plants (I orphic Position (D2) w Aquitard (D3) topographic Relief (D4) | magery (C9) D1) |
| Field Observations: | | | | FAC-N | eutral Test (D5) | |
| Surface Water Present? | Yes No _ _ | ∠ Depth (i | nches): | | | |
| | | • | · — | | Objection of Page 12 | Voc. No. |
| Water Table Present? | Yes No _∠ | | ncnes): | wetland i | Hydrology Present? | Yes No |
| Saturation Present? | Yes No / | <u>/</u> Depth (i | nches): | | | |
| (includes capillary fringe) | | | | | | |
| Remarks: The criterion for wetland hydro | | weii, aeriai priotos | , previous inspections), ii a | vallable. | | |
| | | | | | | |

| Trac Stratum (Blot cizer 20 ft) | Absolute | Dominant | Indicator | Dominance Test worksh | neet: | | |
|---|----------|---------------|-----------|--|-----------------|-------------------|-----------------|
| Tree Stratum (Plot size: <u>30 ft</u>) 1. | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC: | • | 0 | (A) |
| 2. | | | | Total Number of Domir | ant Species | 1 | (B) |
| 3. | | | | Across All Strata: | | | |
| 4. | | | | Percent of Dominant Sp | | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | | |
| 5. | | | | Prevalence Index works | | N.A. daimhe | D |
| 7. | | | | Total % Cover OBL species | <u>01:</u> 0 | Multiply x 1 = | <u>ву:</u> 0 |
| | 0 | = Total Cove | er | FACW species | 0 | x 2 = | 0 |
| apling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x3= | 0 |
| · | | | | FACU species | 10 | x 4 = | 40 |
| | | | | - UPL species | 0 | x 5 = | 0 |
| | | | | - Column Totals | 10 | _ | |
| | | | | _ | | (A) 4 | 40 (B) |
| | | | | Prevalence In | | 4 | |
|). | | | | Hydrophytic Vegetation | | | |
| · | | | | 1- Rapid Test for H | | egetation/ | |
| | 0 | = Total Cove | er | 2 - Dominance Tes | | | |
| lerb Stratum (Plot size: <u>5 ft</u>) | | _ | | 3 - Prevalence Ind | | l (D | |
| . Plantago lanceolata | 10 | Yes | FACU | 4 - Morphological | | | supportin |
| | | | | - data in Remarks or on a Problematic Hydro | | | (مزدادی |
| · | | | | Indicators of hydric so | | | • |
| i. | | | | present, unless disturb | | - | gy must bi |
| | | | | Definitions of Vegetation | | Tiatic | |
| 5. | | | | Tree – Woody plants 3 i | | more in a | diameter : |
| · · · · · · · · · · · · · · · · · · · | | | | breast height (DBH), re | | | alairiettei e |
| · | | | | Sapling/shrub - Woody | | | DBH and |
|). | | | | greater than or equal to | | | |
| 0. | | | | Herb – All herbaceous (| | | gardless o |
| 1. | | | | size, and woody plants | - | | |
| 2. | | | | Woody vines – All wood | ly vines great | ter than 3. | .28 ft in |
| | | = Total Cove | or | height. | | | |
| Noody Vine Stratum (Plot size: <u>30 ft</u>) | | _ TOTAL COVE | CI | Hydrophytic Vegetation | n Present? \ | /es N | lo 🟒 |
| | | | | | | | |
| · | | | | - | | | |
| | | | | = | | | |
| · | | | | - | | | |
| 1 | | - Total Carr | | - | | | |
| | 0 | _= Total Cove | CI . | | | | |

| | cription: (Describe | to the de | | | | ndicato | or confirm the a | bsence of indicate | ors.) |
|-------------------------|-----------------------------|------------|-------------------|--------|-------------------|------------------|-----------------------------|--------------------|--|
| Depth _ | Matrix | | Redox | Feat | tures | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | % | Type ¹ | Loc² | Text | ure | Remarks |
| 0 - 16 | 7.5YR 2.5/1 | 100 | | _ | | | Silt L | oam | |
| 16 - 20 | 7.5YR 4/2 | 95 | 7.5YR 6/8 | 5 | С | M | Silty Cla | y Loam | |
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| ¹Type: C = C | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore | e Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for P | roblematic Hydric Soils³: |
| Histosol | (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck / | (A10) (LRR K, L, MLRA 149B) |
| Histic Ep | pipedon (A2) | | Thin Dark Sur | | | | | | e Redox (A16) (LRR K, L, R) |
| Black Hi | stic (A3) | | Loamy Mucky | | | | | | Peat or Peat (S3) (LRR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gleyed | d Ma | trix (F2) | | | | |
| Stratifie | d Layers (A5) | | _✓ Depleted Mat | rix (I | =3) | | | Dark Surfac | |
| Deplete | d Below Dark Surfa | ace (A11 |) Redox Dark S | urfa | ce (F6) | | | | elow Surface (S8) (LRR K, L) |
| Thick Da | ark Surface (A12) | | Depleted Dar | k Su | rface (F7) |) | | | urface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depre | ssior | ns (F8) | | | _ | nese Masses (F12) (LRR K, L, R) |
| Sandy G | Gleyed Matrix (S4) | | | | | | | | loodplain Soils (F19) (MLRA 149B) |
| Sandy R | ledox (S5) | | | | | | | | ic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent | |
| | rface (S7) (LRR R, N | /II RA 149 | 9B) | | | | | | w Dark Surface (TF12) |
| Bark sa | ridee (57) (Litter) | | ,,, | | | | | Other (Expla | ain in Remarks) |
| ³ Indicators | of hydrophytic veg | etation | and wetland hydr | olog | y must be | e presen | t, unless disturbe | ed or problematic. | |
| Restrictive I | _ayer (if observed): | : | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| No positive | indication of hydri | ic soils w | as observed. Soil | sign | ificantly o | disturbe | d as a result of til | ling. | |
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Photo of Sample Plot West



| Project/Site: Mill Point | City/C | ounty: Fultonville, Montgomery Coun | ty Sampling I | Date: 2020-Oct-29 |
|-----------------------------------|---------------------------------|---|-----------------------------|------------------------------------|
| Applicant/Owner: ConnectG | en | State: Ne | w York Sampling Po | int: W-CIW-03_PEM-1 |
| Investigator(s): Camille Warr | າer, RJ Monroe | Section, Township | , Range: | |
| Landform (hillslope, terrace, et | c.): Depression | Local relief (concave, con | vex, none): Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | LRR R | Lat: 42.8963178 | Long: -74.3434319 | Datum: WGS84 |
| Soil Map Unit Name: Lansin | g silt loam, 3 to 8 percent slo | ppes | NWI cla | assification: |
| Are climatic/hydrologic conditi | ons on the site typical for thi | is time of year? Yes 🟒 No | o (If no, explain in F | Remarks.) |
| Are Vegetation 🟒, Soil 🟒 | _, or Hydrology sig | nificantly disturbed? Are "Norm | nal Circumstances" prese | ent? Yes 🟒 No |
| Are Vegetation, Soil | _, or Hydrology nat | turally problematic? (If needed | , explain any answers in | Remarks.) |
| | | | | |
| SUMMARY OF FINDINGS - | Attach site map showing | ng sampling point locations, tra | nsects, important fe | atures, etc. |
| Hydrophytic Vegetation Prese | | <u> </u> | • | |
| | | i | : M-H | V (N- |
| Hydric Soil Present? | Yes <u></u> ✓ No | · · | | Yes/_ No |
| Wetland Hydrology Present? | Yes <u></u> ✓ No _ | If yes, optional Wetland S | ite ID: | W-CIW-03 |
| Remarks: (Explain alternative | procedures here or in a sepa | arate report) | | |
| Covertype is PEM Area is wet | and all three wetland paran | neters are present. Circumstances are | not normal due to agri | cultural activities |
| Covertype is F Livi. Area is well | and, an timee wettand paran | neters are present. Circumstances are | e not normal due to agri | cultural activities. |
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| HYDROLOGY | | | | |
| IIDROLOGI | | | | |
| Wetland Hydrology Indicators | | | | |
| | | that apply) | Cocondan/Indicators (| minimum of two required) |
| Primary Indicators (minimum | of one is required; check all | тпат арріу) | • | minimum of two required) |
| Surface Water (A1) | Water | -Stained Leaves (B9) | ✓ Surface Soil Cracks | |
| High Water Table (A2) | | ic Fauna (B13) | Drainage Patterns | (B10) |
| Saturation (A3) | | Deposits (B15) | Moss Trim Lines (B | 16) |
| Water Marks (B1) | | gen Sulfide Odor (C1) | Dry-Season Water | Table (C2) |
| | • | | Crayfish Burrows (| C8) |
| Sediment Deposits (B2) | | ted Rhizospheres on Living Roots (C3) | ✓ Saturation Visible of | on Aerial Imagery (C9) |
| Drift Deposits (B3) | | nce of Reduced Iron (C4) | Stunted or Stresse | d Plants (D1) |
| Algal Mat or Crust (B4) | | t Iron Reduction in Tilled Soils (C6) | Geomorphic Position | |
| Iron Deposits (B5) | | luck Surface (C7) | Shallow Aquitard (I | |
| ✓ Inundation Visible on Aeria | ıl Imagery (B7) Other | (Explain in Remarks) | <u>✓</u> Microtopographic I | |
| Sparsely Vegetated Concav | e Surface (B8) | | | |
| | | | FAC-Neutral Test (E |)5) |
| Field Observations: | | | | |
| Surface Water Present? | Yes No _ _/ | Depth (inches): | = | |
| Water Table Present? | Yes No _ _/ | Depth (inches): | Wetland Hydrology Pr | esent? Yes No |
| Saturation Present? | Yes No _ ✓ | Depth (inches): | _ | |
| | 100 110 | | - | |
| (includes capillary fringe) | | | | |
| Describe Recorded Data (stream | am gauge, monitoring well, a | erial photos, previous inspections), if | available: | |
| | | | | |
| | | | | |
| | | | | |
| Domarks | | | | |
| Remarks: | | | | |
| The criterion for wetland hydr | ology is met. Aerial photogra | aphy depicts a darker signature (i.e. p | otential depression or re | elic scar) at this location, which |
| suggests the potential for this | area to be a wetland. | | | |
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| | Absolute 04 | Dominant | Indicator | Dominance Test worksheet: | | |
|--|---------------------|----------------------|---------------------|---|---------------------|---------------|
| Tree Stratum (Plot size:30 ft) | Absolute % Cover | Dominant Species? | Indicator Status | Number of Dominant Species That | | |
| 1 | Cover | Species: | Status | Are OBL, FACW, or FAC: | 0 | (A) |
| 1. | | | | Total Number of Dominant Species | | |
| 2. | | | | Across All Strata: | 0 | (B) |
| 3. | | | | Percent of Dominant Species That | - | |
| 4 | | | | Are OBL, FACW, or FAC: | | (A/B) |
| 5 | | | | Prevalence Index worksheet: | | |
| 6 | | | | Total % Cover of: | Multiply E | Bv: |
| 7 | | | | OBL species 0 | x 1 = | 0 |
| | | = Total Cover | | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 0 | x 4 = | 0 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | — Column Totals 0 | (A) | 0 (B) |
| 4 | | | | Prevalence Index = B/A = | ., | 0 (5) |
| 5 | | | | | | |
| 6 | | | | Hydrophytic Vegetation Indicators: | | |
| 7 | | | | 1- Rapid Test for Hydrophytic | /egetation | |
| | 0 | = Total Cover | | 2 - Dominance Test is > 50% | | |
| Herb Stratum (Plot size: 5 ft) | | | | 3 - Prevalence Index is ≤ 3.01 | 1 (Duanida a | |
| 1 | | | | 4 - Morphological Adaptations data in Remarks or on a separate sl | | upporting |
| 2. | | | | Tudita in Kemarks of on a separate si Problematic Hydrophytic Vege | | alain) |
| 3. | | | | Indicators of hydric soil and wetlar | | |
| 4. | | | | present, unless disturbed or proble | - | y must be |
| 5. | | | | Definitions of Vegetation Strata: | matic | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in d | iameter at |
| 7. | | | | breast height (DBH), regardless of h | | idiffecter de |
| 8. | | | | Sapling/shrub – Woody plants less t | _ | BH and |
| 9. | | | | greater than or equal to 3.28 ft (1 m | | |
| 10 | <u> </u> | | | Herb – All herbaceous (non-woody) | | ardless of |
| 4.4 | | | | size, and woody plants less than 3.2 | | |
| 12 | | | | Woody vines – All woody vines grea | ter than 3.2 | 28 ft in |
| 12. | | = Total Cover | | height. | | |
| Woody Vino Stratum (Plot size: 20 ft | | - Total Cover | | Hydrophytic Vegetation Present? | Yes _ ∠ _ No | o |
| Woody Vine Stratum (Plot size: 30 ft 1. | J | | | | | |
| 2. | _ | | | _ | | |
| -· | | | | _ | | |
| 3. | | | | - | | |
| 4 | | | | _ | | |
| | 0 | = Total Cover | | | | |
| Remarks: (Include photo numbers here | or on a separate | e sheet.) | | | | |
| Active agricultural field. no vegetation d | ue to recent tillir | ng. | | | | |
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| | • | to the o | • | | | indicator | or confirm the al | osence of indicators.) |
|-------------------|------------------------------|-----------|-------------------|----------|-------------------|------------------|------------------------------|--|
| Depth (in the ca) | Matrix | | Redox | | | 12 | Tarahama | Damanin |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 6 | 7.5YR 3/1 | 100 | 10\/D 2/1 | 20 | | | Silt Loam | |
| 6 - 20 | 10YR 4/2 | 50 | 10YR 3/1 | 30 | <u> </u> | <u>M</u> | Silty Clay | |
| 6 - 20 | 7.5YR 5/8 | | 7.5YR 5/8 | 20 | C | M | Silty Clay | |
| | | | - | | | | | |
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| ¹Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | d Mat | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | l (A1) | | Polyvalue Be | elow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Su | ırface | (S9) (LRF | R, MLR | A 149B) | Coast Prairie Redox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Muck | y Mir | eral (F1) | (LRR K, L | _) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | | | Dark Surface (S7) (LRR K, L) |
| | ed Layers (A5) | | _✓ Depleted Ma | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ed Below Dark Surf | ace (A1 | | | | | | Thin Dark Surface (S9) (LRR K, L) |
| | ark Surface (A12) | | Depleted Da | | |) | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Mucky Mineral (S1) | | Redox Depre | essior | IS (F8) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | Redox (S5) | | | | | | | Red Parent Material (F21) |
| | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, I | MLRA 14 | 19B) | | | | | Other (Explain in Remarks) |
| - | of hydrophytic veg | | and wetland hyd | rolog | y must b | e presen | t, unless disturbe | d or problematic. |
| Restrictive | Layer (if observed) |): | | | | | | |
| | Type: | | None | _ | | Hydric | Soil Present? | Yes/_ No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | s observed. The c | riterio | on for hy | dric soil | is met. Observed : | soil compaction was due to agricultural activities. Soil |
| significantl | y disturbed as a re | sult of t | illing. | | | | | |
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Photo of Sample Plot South



| Project/Site: Mill Point | | City/County: Fulto | Sampling Date: 202 | mpling Date: 2020-Oct-29 | | |
|--|--|---|---|---|--|--------------------|
| Applicant/Owner: ConnectG | en | | State: New | v York | Sampling Point: W-CI | W-03_UPL-1 |
| Investigator(s): Camille Warn | er, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, et | c.): Depression | | Local relief (concave, conv | ex, none): | Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.896349 | Long:_ | -74.3433213 | Datum: WGS84 |
| Soil Map Unit Name: Lansing | g silt loam, 3 to 8 per | cent slopes | | | NWI classificatio | n: |
| Are climatic/hydrologic condition | ons on the site typica | ol for this time of year | ar? Yes <u>✓</u> No | (If no | o, explain in Remarks.) | |
| Are Vegetation, Soil | , or Hydrology _ | significantly dis | turbed? Are "Norma | al Circumst | tances" present? | Yes No |
| Are Vegetation, Soil | , or Hydrology _ | naturally proble | ematic? (If needed, | explain an | y answers in Remarks | .) |
| | | | | | | |
| SUMMARY OF FINDINGS - | Attach site map | showing samplir | ng point locations, tran | sects, im | nportant features, | etc. |
| Hydrophytic Vegetation Preser | nt? Yes _ | No / _ | | | | |
| Hydric Soil Present? | | ✓_ No | Is the Sampled Area withi | n a Wetlar | nd? Ye: | s No⁄_ |
| • | | No | · | | | - <u></u> |
| Wetland Hydrology Present? Remarks: (Explain alternative p | · · · · · · · · · · · · · · · · · · · | | If yes, optional Wetland S | ite iD. | | |
| | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of the primary Indicators (m | of one is required; ch — — — — — — I Imagery (B7) | _ Water-Stained Lea _ Aquatic Fauna (B1: _ Marl Deposits (B1: _ Hydrogen Sulfide (_ Oxidized Rhizosph _ Presence of Reduc | ves (B9) 3) 5) Odor (C1) eres on Living Roots (C3) ed Iron (C4) tion in Tilled Soils (C6) | Surfac Draina Moss Dry-Se Crayfis Satura Stunte Geome Shallor | y Indicators (minimum te Soil Cracks (B6) age Patterns (B10) Trim Lines (B16) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial I ed or Stressed Plants (I orphic Position (D2) w Aquitard (D3) topographic Relief (D4) eutral Test (D5) | magery (C9) D1) |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No _ | <u>✓</u> Depth (| inches): | | | |
| Water Table Present? | Yes No _ | <u>✓</u> Depth (| inches): | Wetland H | Hydrology Present? | Yes No |
| Saturation Present? | Yes No _ | ✓ Depth (| inches): | | | |
| (includes capillary fringe) | | | · ——— | | | |
| Describe Recorded Data (strea | m gauge monitorin | g well parial photos | nravious inspactions) if a | vailable: | | |
| Remarks: The criterion for wetland hydro | ology is not met. | | | | | |
| | | | | | | |

| = Total Cove | r | Number of Dominant Are OBL, FACW, or FAC Total Number of Dom Across All Strata: Percent of Dominant: Are OBL, FACW, or FAC Prevalence Index work Total % Cove OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | C: inant Species Species That C: ksheet: | 0 1 0 Multiply E x 1 = x 2 = x 3 = x 4 = x 5 = | (A) (B) (A/B) 3y: 0 0 0 20 |
|--------------|------|--|---|--|---|
| | r | Across All Strata: Percent of Dominant: Are OBL, FACW, or FACO Prevalence Index work Total % Cove OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | Species That C: ksheet: r of: 0 0 0 5 | Multiply E x 1 = _ x 2 = _ x 3 = _ x 4 = | (A/B) By: 0 0 0 |
| | r | Percent of Dominant : Are OBL, FACW, or FACE Prevalence Index work Total % Cove OBL species FACW species FAC species FACU species UPL species UPL species Column Totals Prevalence Hydrophytic Vegetation | c: ksheet: r of: 0 0 0 5 | Multiply E x 1 = _ x 2 = _ x 3 = _ x 4 = | (A/B) By: 0 0 0 |
| | r | Are OBL, FACW, or FAC Prevalence Index work Total % Cove OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | c: ksheet: r of: 0 0 0 5 | Multiply E x 1 = x 2 = x 3 = x 4 = | 0 0 0 |
| | r | Prevalence Index work Total % Cove OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | ksheet: r of: 0 0 0 5 | x 1 = x 2 = x 3 = x 4 = | 0 0 0 |
| | r | Total % Cove OBL species FACW species FAC species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | 0 0 0 0 5 | x 1 = x 2 = x 3 = x 4 = | 0 0 0 |
| | r | - OBL species FACW species FAC species - FACU species - UPL species - Column Totals - Prevalence - Hydrophytic Vegetation | 0 0 0 5 0 | x 1 = x 2 = x 3 = x 4 = | 0 0 0 |
| | r | FACW species FAC species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | 0 0 5 0 | x 2 = x 3 = x 4 = | 0 |
| = Total Cove | | FAC species FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | 0 5 0 | x 3 = x 4 = | 0 |
| = Total Cove | | FACU species UPL species Column Totals Prevalence Hydrophytic Vegetation | 5 | x 4 = | |
| = Total Cove | | UPL species Column Totals Prevalence Hydrophytic Vegetation | 0 | _ | |
| = Total Cove | | Column Totals Prevalence Hydrophytic Vegetation | | ^ <u>_</u> | 0 |
| = Total Cove | | Prevalence Hydrophytic Vegetation | | (A) | 20 (B) |
| = Total Cove | | Hydrophytic Vegetation | Index = R/Δ = | 4 | 20 (b) |
| = Total Cove | | | | | |
| = Total Cove | | | | | |
| = Total Cove | | 1- Rapid Test for 2 - Dominance Te | | egetation | |
| | r | 3 - Prevalence In | | | |
| | | 4 - Morphologica | | (Provide s | unnorting |
| Yes | FACU | - data in Remarks or or | | | apporting |
| | | Problematic Hyd | • | | olain) |
| | | , | , , , | | |
| | | | | | , |
| | | | | | |
| | | _ | | more in d | iameter at |
| | | | | | |
| | | Sapling/shrub - Wood | ly plants less th | nan 3 in. D | BH and |
| | | greater than or equal | to 3.28 ft (1 m) | tall. | |
| | | | | _ | ardless of |
| | | | | | |
| | | - | ody vines great | er than 3.2 | 28 ft in |
| = Total Cove | r | | | | |
| - | | Hydrophytic Vegetati | on Present? Y | 'es N | o <u>_</u> |
| | | | | | |
| | | | | | |
| | | _ | | | |
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| = Total Cove | r | | | | |
| | | | | | |
| | | | | | |
| | | = Total Cover | present, unless distur Definitions of Vegetat Tree - Woody plants 3 breast height (DBH), r Sapling/shrub - Wood greater than or equal Herb - All herbaceous size, and woody plant Woody vines - All wood height. Hydrophytic Vegetati | present, unless disturbed or probler Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or breast height (DBH), regardless of he Sapling/shrub – Woody plants less th greater than or equal to 3.28 ft (1 m) Herb – All herbaceous (non-woody) size, and woody plants less than 3.2 woody vines – All woody vines great height. Hydrophytic Vegetation Present? | Tree – Woody plants 3 in. (7.6 cm) or more in d breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. D greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, reg. size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.2 height. Hydrophytic Vegetation Present? Yes No. |

| | • | to the d | • | | | ndicator | or confirm the ab | osence of indicator | rs.) |
|--------------|--|----------|---|----------|-------------------|------------------|------------------------------|---------------------|---|
| Depth _ | Matrix | | Redox | | | 12 | T | | Dama and a |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Text | | Remarks |
| 0 - 10 | 10YR 3/1 | 100 | | _ | | | Mucky S | | |
| 10 - 20 | 10YR 4/2 | 50 | 7.5YR 6/8 | 20 | C | <u>M</u> | Silty | | |
| 10 - 20 | 10YR 6/4 | | 10YR 6/4 | 30 | C | <u>M</u> | Silty | Clay | |
| | | | | | | | | | |
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| | | | | | | | | | |
| ¹Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | Mati | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore | Lining, M = Matrix. |
| Hydric Soil | | | • | | | | | | oblematic Hydric Soils³: |
| Histoso | | | Polyvalue Be | low S | urface (S | 8) (LRR F | , MLRA 149B) | | • |
| | pipedon (A2) | | Thin Dark Su | | | | • | | .10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Muck | | | | | | Peat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | Dark Surface | |
| Stratifie | d Layers (A5) | | _✓ Depleted Ma | ıtrix (l | - 3) | | | | ow Surface (S8) (LRR K, L) |
| Deplete | d Below Dark Surf | ace (A1 | | | | | | • | face (S9) (LRR K, L) |
| | ark Surface (A12) | | Depleted Da | | | | | | ese Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | essior | ıs (F8) | | | | odplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| Sandy F | Redox (S5) | | | | | | | Red Parent M | |
| Strippe | d Matrix (S6) | | | | | | | | Dark Surface (TF12) |
| Dark Su | ırface (S7) (LRR R, I | MLRA 14 | 19B) | | | | | Other (Explain | |
| 3Indicators | of hydrophytic veg | etation | and wetland hvd | rolog | v must be | e presen | t. unless disturbe | • | , |
| - | Layer (if observed) | | <u>, , , , , , , , , , , , , , , , , , , </u> | | , | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes/_ No |
| | Depth (inches): | | Horic | | | liyane | Jon 1 reserie. | | 165 <u>v</u> 110 <u> </u> |
| Remarks: | Deptil (iliches). | | | | | 1 | | | |
| A positive i | ndication of hydric y disturbed as a re | | | riterio | on for hyd | dric soil i | s met. Observed s | soil compaction wa | as due to agricultural activities. Soil |
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Photo of Sample Plot North



| Project/Site: Mill Point | Ci | ity/County: Fultonville, Montgomery Coun | nty Sampling D | Date: 2020-Oct-29 | | | |
|---|--------------------------|---|--------------------------------|------------------------------------|--|--|--|
| Applicant/Owner: ConnectGen | | State: Ne | w York Sampling Poi | nt: W-CIW-04_PEM-1 | | | |
| Investigator(s): Camille Warner | , RJ Monroe | Section, Township | , Range: | | | | |
| Landform (hillslope, terrace, etc.): | Depression | Local relief (concave, conv | vex, none): Concave | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): LF | RR R | Lat : 42.8977747 | Long: -74.3415898 | Datum: WGS84 | | | |
| Soil Map Unit Name: Churchvil | le silty clay loam, 0 to | 3 percent slopes | NWI cla | ssification: | | | |
| Are climatic/hydrologic conditions | on the site typical fo | or this time of year? Yes No | o (If no, explain in R | emarks.) | | | |
| Are Vegetation, Soil, | or Hydrology | _ significantly disturbed? | nal Circumstances" prese | nt? Yes <u></u> ✓ No | | | |
| Are Vegetation, Soil, | or Hydrology | _ naturally problematic? (If needed, | , explain any answers in | Remarks.) | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | ttach site map sh | owing sampling point locations, tra | nsects, important fea | atures, etc. | | | |
| Hydrophytic Vegetation Present? | Yes ./ | _ No | | | | | |
| Hydric Soil Present? | | No Is the Sampled Area with | in a Wetland? | Yes No | | | |
| , | | i ' | | | | | |
| Wetland Hydrology Present? | Yes | | oite ID: | W-CIW-04 | | | |
| Remarks: (Explain alternative pro | | • | | | | | |
| Covertype is PEM. Area is wetlan | d, all three wetland p | arameters are present. Circumstances are | e not normal due to agric | ultural activities. recent tilling | | | |
| of the soil. | | | | | | | |
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| LINDROLOGY | | | | | | | |
| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | one is required; chec | k all that apply) | Secondary Indicators (r | ninimum of two required) | | | |
| Surface Water (A1) | | lator Stained Leaves (DO) | Surface Soil Cracks | (B6) | | | |
| Surface Water (A1) High Water Table (A2) | | /ater-Stained Leaves (B9) quatic Fauna (B13) | Drainage Patterns (B10) | | | | |
| Saturation (A3) | | arl Deposits (B15) | Moss Trim Lines (B16) | | | | |
| Water Marks (B1) | | ydrogen Sulfide Odor (C1) | Dry-Season Water Table (C2) | | | | |
| Sediment Deposits (B2) | | xidized Rhizospheres on Living Roots (C3) | Crayfish Burrows (C8) | | | | |
| Drift Deposits (B3) | | resence of Reduced Iron (C4) | <u>✓</u> Saturation Visible of | 0,,,, | | | |
| Algal Mat or Crust (B4) | | ecent Iron Reduction in Tilled Soils (C6) | Stunted or Stressed | | | | |
| Iron Deposits (B5) | | nin Muck Surface (C7) | ✓ Geomorphic Positio | | | | |
| ✓ Inundation Visible on Aerial Ir | | ther (Explain in Remarks) | Shallow Aquitard (D | | | | |
| Sparsely Vegetated Concave S | • | | Microtopographic R | | | | |
| Field Observations | | | FAC-Neutral Test (D | 5) | | | |
| Field Observations: | Voc. No. | Donth (in the sale | | | | | |
| Surface Water Present? | Yes No _ _ / | Depth (inches): | _ | | | | |
| Water Table Present? | Yes No _ _ | Depth (inches): | _ Wetland Hydrology Pre | sent? Yes No | | | |
| Saturation Present? | Yes No _ _ / | Depth (inches): | _ | | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (stream | gauge, monitoring w | ell, aerial photos, previous inspections), if | available: | | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | | | 14 . 1 | | | | |
| _ | | indication of wetland hydrology was obser | | | | | |
| | nature (i.e. potential | depression or relic scar) at this location, w | which suggests the poten | tial for this area to be a | | | |
| wetland. | | | | | | | |
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|--|---------------|---------------|-----------|--|-----------|--------------------|------------|--|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | Absolute % | Dominant | Indicator | Dominance Test worksheet | t: | | | |
| iree stratum (1 lot sizeso it) | Cover | Species? | Status | Number of Dominant Spec | ies That | 0 | (A) | |
| 1 | | | | Are OBL, FACW, or FAC: | | | | |
| 2 | | | | Total Number of Dominant | Species | 0 | (B) | |
| 3 | | | | Across All Strata: | | | | |
| 4. | | | | Percent of Dominant Speci | es That | | (A/B) | |
| 5. | | | | Are OBL, FACW, or FAC: | | | | |
| 6. | | | | Prevalence Index workshee | et: | | _ | |
| 7. | | | | Total % Cover of: | 0 | Multiply I | - | |
| | 0 | = Total Cover | | OBL species | 0 | x 1 = | 0 | |
| Sapling/Shrub Stratum (Plot size: 15 ft | | | | FACW species | 0 | x 2 = | 0 | |
| 1 | | | | FAC species | 0 | x 3 = | 0 | |
| 2. | | | | FACU species | 0 | x 4 = | 0 | |
| 3. | - | | | — UPL species | 0 | x 5 = | 0 | |
| - | | | | — Column Totals | 0 | (A) | 0 (B) | |
| 4. | | | | Prevalence Index | c = B/A = | | | |
| 5 | - | | | Hydrophytic Vegetation Inc | dicators: | | | |
| 6 | | | | 1- Rapid Test for Hydr | | egetation | | |
| 7 | | | | 2 - Dominance Test is | | .0 | | |
| | 0 | = Total Cover | | 3 - Prevalence Index i | | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Ada | | (Provide | supporting | |
| 1 | | | | data in Remarks or on a se | • | | 5appo8 | |
| 2 | | | | Problematic Hydroph | | | plain) | |
| 3 | | | | ¹Indicators of hydric soil an | | | | |
| 4. | | | | present, unless disturbed of | | | 5, | |
| 5. | | | | Definitions of Vegetation St | • | | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) or more in diameter | | | | |
| 7. | | | | breast height (DBH), regard | | | nameter at | |
| 8. | | | | Sapling/shrub - Woody pla | | | BH and | |
| 9. | - | | | greater than or equal to 3.2 | | | Birana | |
| | - | | | Herb - All herbaceous (nor | | | ardless of | |
| | | | | size, and woody plants less | - | _ | , | |
| 11 | | | | Woody vines - All woody vi | | | 28 ft in | |
| 12 | | | | height. | 8 | | | |
| | 0 | = Total Cover | | Hydrophytic Vegetation Pr | rocont2 \ | os / N | | |
| Woody Vine Stratum (Plot size: 30 ft) | | | | Trydrophytic vegetation Fi | esent: 1 | C3 _ 7 _ IV | · | |
| 1 | | | | _ | | | | |
| 2 | | | | _ | | | | |
| 3 | | | | _ | | | | |
| 4 | | | | | | | | |
| | 0 | = Total Cover | | | | | | |
| Remarks: (Include photo numbers here or | on a senarate | e sheet) | | | | | | |
| Active agricultural field. recently tilled, no | - | e sincett, | | | | | | |
| Active agricultural field. Feechly tilled, flo | vegetation. | | | | | | | |
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| | • | to the | • | | | indicato | r or confirm the al | osence of indicators.) |
|-------------------|-----------------------|------------|--------------------|----------|-------------------|------------------|------------------------------|---|
| Depth (inches) | Matrix | 04 | Redox | | | 1002 | Touturo | Domarko |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 6 | 10YR 3/2 | 98 | 7.5YR 4/6 | 2 | | | Silt Loam | |
| 6 - 15 | 10YR 4/2 | 50 | 7.5YR 5/6 | 30 | C | M | Silty Clay | |
| 6 - 15 | | - — | 7.5YR 5/1 | 20 | | | Silty Clay | |
| | | - — | | | | | | |
| | | - — | | | | | | |
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| | | | | | | | | |
| ¹Type: C = 0 | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | | | , | | <u> </u> | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | elow S | Surface (S | 8) (LRR | R, MLRA 149B) | • |
| | pipedon (A2) | | Thin Dark Si | | | | | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Mucl | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | - | | . , | • | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| Stratifie | ed Layers (A5) | | Depleted M | | | | | Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) |
| | ed Below Dark Surfa | ace (A1 | 1) Redox Dark | Surfa | ce (F6) | | | |
| Thick D | ark Surface (A12) | | Depleted Da | ark Su | rface (F7 |) | | Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essior | ıs (F8) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| Sandy 0 | Gleyed Matrix (S4) | | | | | | | • |
| Sandy F | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) |
| Strippe | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, M | ILRA 1 | 49B) | | | | | Other (Explain in Remarks) |
| | | | | | | | | • |
| - | of hydrophytic veg | | n and wetland hyd | irolog | y must b | e preser | it, unless disturbe | d or problematic. |
| Restrictive | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes/_ No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. Observed | soil compaction was due to agricultural activities. Soil |
| significantl | y disturbed as a res | sult of | tilling. | | | | | |
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Photo of Sample Plot North



| Project/Site: Mill Point | | City/County: Fultonville, Montgomery County Sampling Date: 2020-Oct-29 | | | | | | |
|--|-----------------------|---|---|--|--|-------------------------|--|--|
| Applicant/Owner: ConnectGe | n | | State: New | v York | Sampling Point: W-CI | W-04_UPL-1 | | |
| Investigator(s): Camille Warne | er, RJ Monroe | | Section, Township, | Range: | | | | |
| Landform (hillslope, terrace, etc | .): Plain | | Local relief (concave, conve | ex, none):_ | Concave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.8978256 | Long:_ | -74.3417894 | Datum: WGS84 | | |
| Soil Map Unit Name: Churchy | ille silty loam, 0 to | 3 percent slopes | | | NWI classificatio | n: | | |
| Are climatic/hydrologic conditio | ns on the site typica | al for this time of yea | ar? Yes No | (If no | o, explain in Remarks.) | | | |
| Are Vegetation $\underline{\checkmark}$, Soil $\underline{\checkmark}$, | or Hydrology _ | significantly dis | turbed? Are "Norma | al Circumst | tances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology _ | naturally proble | ematic? (If needed, | explain an | y answers in Remarks | .) | | |
| | | | | | | | | |
| SUMMARY OF FINDINGS - | Attach site map | showing samplin | ng point locations, tran | sects, im | portant features, | etc. | | |
| Hydrophytic Vegetation Presen | t? Yes _ | No | | | | | | |
| Hydric Soil Present? | Yes _ | ✓_ No | Is the Sampled Area withi | in a Wetlan | nd? Ye: | s No⁄_ | | |
| Wetland Hydrology Present? | Yes | No ∠ | If yes, optional Wetland S | ite ID: | | | | |
| Remarks: (Explain alternative p | | | L | | | | | |
| Covertype is UPL. Area is uplan tilling. | u, not an unee weu | and parameters are | present. Circumstances ai | re not non | nai due to agricultura | ractivities. recent | | |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of the content of the conte | | _ Water-Stained Lea _ Aquatic Fauna (B1: _ Marl Deposits (B1: _ Hydrogen Sulfide (_ Oxidized Rhizosph _ Presence of Reduc | ves (B9) 3) 5) Odor (C1) eres on Living Roots (C3) ed Iron (C4) tion in Tilled Soils (C6) | Surfac Draina Moss 1 Dry-Se Crayfis Satura Stunte Geome Shallon Microt | y Indicators (minimum te Soil Cracks (B6) age Patterns (B10) Trim Lines (B16) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial I ed or Stressed Plants (I orphic Position (D2) w Aquitard (D3) topographic Relief (D4) eutral Test (D5) |) magery (C9) D1) | | |
| Field Observations: | | | | | | | | |
| Surface Water Present? | Yes No _ | ✓ Depth (| inches): | | | | | |
| Water Table Present? | Yes No _ | ✓ Depth (| inches): | Wetland F | Hydrology Present? | Yes No | | |
| Saturation Present? | Yes No _ | ✓ Depth (| inches): | | | | | |
| (includes capillary fringe) | | | | | | | | |
| Describe Recorded Data (stream | m gauga manitarin | a wall parial photos | provious inspections) if a | vailable: | | | | |
| Remarks: No positive indication of wetlar | nd hydrology was ol | oserved. | | | | | | |
| | | | | | | | | |

| Tree Stratum (Plot size: _30 ft)Absolute % Dominant CoverDominant Species Towns (Plot size: _30 ft)Indicator Species Plot (Plot size: _30 ft)Dominance Test worksheet: | | (A) | | | |
|---|--|-------------|--|--|--|
| 1. Cover Species? Status Number of Dominant Species I Are OBL, FACW, or FAC: | | (A) | | | |
| | | | | | |
| | ies | | | | |
| 2. Total Number of Dominant Spec | 0 | (B) | | | |
| 3. Across All Strata: | . —— | | | | |
| 4. Percent of Dominant Species Th | at | (A/B) | | | |
| 5 Are OBL, FACW, or FAC: Prevalence Index worksheet: | | | | | |
| 6. | N. de Jahre I | D | | | |
| 7 | <u>Multiply</u> | - | | | |
| OBL species 0 | x1= | 0 | | | |
| Sapling/Shrub Stratum (Plot size:15 ft) | x 2 = | 0 | | | |
| FAC species 0 | x 3 = | 0 | | | |
| FACU species 0 | x 4 = | 0 | | | |
| UPL species 0 | x 5 = | 0 | | | |
| 4. Column Totals 0 | (A) | 0 (B) | | | |
| 5. Prevalence Index = B/ | <u>4 =</u> | | | | |
| 6. Hydrophytic Vegetation Indicate | rs: | | | | |
| 1- Rapid Test for Hydrophy | tic Vegetatior | า | | | |
| 7 2 - Dominance Test is > 50 | 6 | | | | |
| 0 = Total Cover 3 - Prevalence Index is ≤ 3 | .01 | | | | |
| Herb Stratum (Plot size:5 ft)4 - Morphological Adaptati | ons¹ (Provide | supporting | | | |
| 1 data in Remarks or on a separa | e sheet) | | | | |
| 2 Problematic Hydrophytic \ | egetation¹ (Ex | xplain) | | | |
| 3 Indicators of hydric soil and we | tland hydrolo | gy must be | | | |
| 4 present, unless disturbed or pro | present, unless disturbed or problematic | | | | |
| 5 Definitions of Vegetation Strata. | | | | | |
| 6 Tree – Woody plants 3 in. (7.6 cr | Tree – Woody plants 3 in. (7.6 cm) or more in diameter | | | | |
| 7 breast height (DBH), regardless | of height. | | | | |
| 8. Sapling/shrub – Woody plants le | | DBH and | | | |
| 9. greater than or equal to 3.28 ft | | | | | |
| 10. Herb – All herbaceous (non-wood | | gardless of | | | |
| 11. size, and woody plants less than | | | | | |
| 12. Woody vines - All woody vines § | reater than 3 | 3.28 ft in | | | |
| 0 = Total Cover height. | | | | | |
| Woody Vine Stratum (Plot size:30 ft) Hydrophytic Vegetation Presen | t? Yes N | Vo <u> </u> | | | |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 0 = Total Cover | | | | | |
| | | | | | |
| Remarks: (Include photo numbers here or on a separate sheet.) | | | | | |
| Active agricultural field. recently tilled ag field. | | | | | |
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| Profile Des | cription: (Describe | to the | depth needed to d | docun | nent the | indicato | r or confirm the a | absence of indicators. |) |
|--------------|------------------------------|------------|-------------------|---------|-------------------|------------------|-----------------------------|----------------------------|---|
| Depth | Matrix | | Redox | c Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Te | xture | Remarks |
| 0 - 8 | 10YR 3/2 | 98 | 10YR 5/8 | 2 | | | Silt | ty Clay | |
| 8 - 20 | 10YR 3/1 | 50 | 10YR 5/8 | 30 | | | Gravell | y Silty Clay | |
| 8 - 20 | | | 10YR 5/3 | 20 | C | M | Gravelly Silty Clay | | |
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| | | | | | | | | | |
| ¹Type: C = 0 | oncentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² l | Location: PL = Pore Li | ning, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Prob | lematic Hydric Soils³: |
| Histoso | | | Polyvalue Be | elow S | Surface (S | 8) (LRR | R, MLRA 149B) | | • |
| | oipedon (A2) | | Thin Dark Su | | | | | | 0) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Muck | | | | | | edox (A16) (LRR K, L, R) at or Peat (S3) (LRR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gleye | | | | | | |
| Stratifie | d Layers (A5) | | _✓ Depleted Ma | atrix (| F3) | | | Dark Surface (S | |
| Deplete | d Below Dark Surfa | ace (A1 | 1) Redox Dark | Surfa | ce (F6) | | | Thin Dark Surfa | w Surface (S8) (LRR K, L) |
| Thick Da | ark Surface (A12) | | Depleted Da | ark Su | rface (F7 |) | | | se Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essior | ns (F8) | | | _ | dplain Soils (F19) (MLRA 149B) |
| Sandy C | Gleyed Matrix (S4) | | | | | | | | A6) (MLRA 144A, 145, 149B) |
| Sandy F | Redox (S5) | | | | | | | Red Parent Ma | |
| Strippe | d Matrix (S6) | | | | | | | Very Shallow D | |
| Dark Su | ırface (S7) (LRR R, M | ILRA 1 | 49B) | | | | | Other (Explain | |
| | | | | | | | | • | iii Keiliaiks) |
| - | of hydrophytic veg | | n and wetland hyd | Irolog | y must b | e preser | nt, unless disturb | ed or problematic. | |
| Restrictive | Layer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | ` | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive i | ndication of hydric | soil wa | as observed. Obse | rved | soil comp | oaction v | vas due to agricu | ltural activities. Soil si | gnificantly disturbed as a result of |
| tilling. | - | | | | | | | | |
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Photo of Sample Plot South



| Project/Site: Mill Point | City/County:_ Fult | tonville, Montgomery County | Sampling Date: 20 |)20-Oct-28 | | | |
|---------------------------------------|---|---|-----------------------------|--------------------|--|--|--|
| Applicant/Owner: ConnectGer | n | State: New York | Sampling Point: W-0 | CIW-05_PEM-1 | | | |
| Investigator(s): Camille Warne | r, RJ Monroe , Giovanni Pambianchi | Section, Township, Range: | | | | | |
| Landform (hillslope, terrace, etc.) |): Depression | Local relief (concave, convex, none | e): None | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): L | RR R | Lat: 42.903011 Lon | ng:74.3527716 | Datum: WGS84 | | | |
| Soil Map Unit Name: Teel silt l | oam | | NWI classification | on: None | | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of ye | ear? Yes No (If | no, explain in Remarks. | .) | | | |
| Are Vegetation, Soil, | or Hydrology significantly di | isturbed? Are "Normal Circur | nstances" present? | Yes 🔽 No | | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | lematic? (If needed, explain | any answers in Remark | s.) | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampli | ng point locations, transects, | important features, | , etc. | | | |
| Hydrophytic Vegetation Present | :? Yes <u></u> ✓ No | 1 | | | | | |
| , , , , | | Is the Campled Area within a Wet | land? Va | c / No | | | |
| Hydric Soil Present? | Yes No | Is the Sampled Area within a Wetl | | s No | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Site ID: | <u>W-</u> | -CIW-05 | | | |
| Remarks: (Explain alternative pr | ocedures here or in a separate report | t) | | | | | |
| Covertyne is PEM. Area is wetlar | nd, all three wetland parameters are p | resent | | | | | |
| Covertype is PEW. Area is Wellar | iu, ali tili ee wetialiu paralileters are p | resent. | | | | | |
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| INDDOLOCA | | | | | | | |
| HYDROLOGY | | | | | | | |
| | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | fone is required; check all that apply) | Second | lary Indicators (minimur | n of two required) | | | |
| | | | = | | | | |
| ✓ Surface Water (A1) | Water-Stained Le | aves (B9) | face Soil Cracks (B6) | | | | |
| ✓ High Water Table (A2) | Aquatic Fauna (B´ | 13) | Drainage Patterns (B10) | | | | |
| ✓ Saturation (A3) | Marl Deposits (B1 | 15) | Moss Trim Lines (B16) | | | | |
| Water Marks (B1) | Hydrogen Sulfide | · ()dor ((1) | Dry-Season Water Table (C2) | | | | |
| Sediment Deposits (B2) | , , | heres on Living Roots (C3) — Cray | Crayfish Burrows (C8) | | | | |
| Drift Deposits (B3) | Presence of Redu | J Safi | uration Visible on Aerial | Imagery (C9) | | | |
| Algal Mat or Crust (B4) | | iction in Tilled Soils (C6) Stur | nted or Stressed Plants | (D1) | | | |
| Iron Deposits (B5) | Recent non Redd Thin Muck Surfac | Geo | morphic Position (D2) | | | | |
| • | | Sha | llow Aquitard (D3) | | | | |
| <u>✓</u> Inundation Visible on Aerial | | Mic | rotopographic Relief (D4 | 4) | | | |
| Sparsely Vegetated Concave | Surface (B8) | | -Neutral Test (D5) | • | | | |
| Field Observations | | | reactal less (DS) | | | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | · | n (inches): | | | | | |
| Water Table Present? | Yes No/ Depth | n (inches): Wetlan | d Hydrology Present? | Yes No | | | |
| Saturation Present? | Yes No Depth | n (inches): | | | | | |
| (includes capillary fringe) | | | | | | | |
| | | | | | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial photo | s, previous inspections), if available | : | | | | |
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| Remarks: | | | | | | | |
| | leader la manage de la manage d'Arabana anno anno | d a company de martin di contra de martin | | | | | |
| A positive indication of wetland | hydrology was observed (primary and | a secondary indicators were presen | ıt). | | | | |
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| Tree Stratum (Plot size: 30 ft) | | Dominant | | Dominance Test worksh | | | | | |
|---|------------|-------------|-------------|--|---------------|---------------------|-------------|--|--|
| 1. | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC: | | 1 | (A) | | |
| 2. | | | | Total Number of Domin | ant Species | 1 | (B) | | |
| 3. | | | | Across All Strata: | | | (D) | | |
| 4. | | | | Percent of Dominant Sp | ecies That | 100 | (A/B) | | |
| 5. | | | | Are OBL, FACW, or FAC: | h a a tu | | | | |
| 6. | | | | Prevalence Index works | | Multiply F |). <i>a</i> | | |
| 7. | | | | Total % Cover of OBL species | <u>5</u> | Multiply E x 1 = | 5 | | |
| | 0 | = Total Cov | er | FACW species | 125 | x 2 = | 250 | | |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 10 | x3= | 30 | | |
| 1 | | | | FACU species | 0 | x 4 = | 0 | | |
| 2 | | | | - UPL species | 0 | x5= | 0 | | |
| 3 | | | | - Column Totals | 140 | (A) | 285 (B) | | |
| 4 | | | | Prevalence In | | 2 | 203 (b) | | |
| 5 | | | | " | | | | | |
| 6 | | | | Hydrophytic Vegetation | | /+-+: | | | |
| 7 | | | | ✓ 1- Rapid Test for H | | egetation | | | |
| | 0 | = Total Cov | er | ✓ 2 - Dominance Tes | | | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological | | (Drovido c | upporting | | |
| 1. <i>Phalaris arundinacea</i> | 100 | Yes | FACW | daţa in Remarks or on a | | | upporting | | |
| 2. Bidens frondosa | 25 | No | FACW | · · | | | olain) | | |
| 3. Solanum dulcamara | 10 | No | FAC | Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be | | | | | |
| 4. Lemna minor | 5 | No | OBL | present, unless disturbe | | | y mast be | | |
| 5. | | | | Definitions of Vegetatio | - | | | | |
| 6. | | | | Tree – Woody plants 3 in | | more in d | iameter at | | |
| 7. | | | | breast height (DBH), reg | | | | | |
| 8. | | | | Sapling/shrub - Woody | plants less t | han 3 in. D | BH and | | |
| 9. | | | | greater than or equal to | 3.28 ft (1 m |) tall. | | | |
| 10. | | | | Herb – All herbaceous (| non-woody) | plants, reg | ardless of | | |
| 11. | | | | size, and woody plants | less than 3.2 | 8 ft tall. | | | |
| 12. | | | | Woody vines – All wood | y vines great | er than 3.2 | 28 ft in | | |
| | 140 | = Total Cov | er | height. | | | | | |
| Woody Vine Stratum (Plot size:30 ft) | | - | | Hydrophytic Vegetation | Present? | ∕es <u> </u> | o o | | |
| 1. | | | | | | | | | |
| 2. | | | | - | | | | | |
| 3. | | | | - | | | | | |
| 4. | | | | = | | | | | |
| | 0 | = Total Cov | er | = | | | | | |
| | | | | | | | | | |
| Remarks: (Include photo numbers here or on a separate | | | | | | | | | |
| A positive indication of hydrophytic vegetation was obs | erved (>50 | % of domin | ant species | indexed as OBL, FACW, or | r FAC). | | | | |
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| | | to the d | | | | indicato | or confirm the a | absence of indicator | s.) |
|----------------------|------------------------------|----------|-------------------|---------|-------------------|------------------|-------------------|-----------------------|--|
| Depth | Matrix | | Redox | | | | | | |
| (inches) | Color (moist) | %_ | Color (moist) | % | Type ¹ | Loc² | | kture | Remarks |
| 0 - 6 | 2.5Y 2.5/1 | 100 | | | | | Mucky | Silt Loam | |
| 6 - 20 | N 2.5/ | 50 | 5Y 2.5/1 | 50 | C | M | Mucky | Silt Loam | |
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| <u>1</u> Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. 2 | Location: PL = Pore L | ining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Pro | blematic Hydric Soils³: |
| Histoso | l (A1) | | Polyvalue Be | low S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Su | rface | (S9) (LRR | R, MLR | A 149B) | | Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Muck | y Mir | eral (F1) | (LRR K, I | _) | | eat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | Dark Surface | |
| Stratifie | ed Layers (A5) | | Depleted Ma | trix (l | - 3) | | | | ow Surface (S8) (LRR K, L) |
| _✓ Deplete | ed Below Dark Surf | ace (A1 | 1) Redox Dark S | Surfa | ce (F6) | | | | face (S9) (LRR K, L) |
| Thick D | ark Surface (A12) | | Depleted Da | rk Su | rface (F7) |) | | | ese Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | essior | ns (F8) | | | _ | odplain Soils (F19) (MLRA 149B) |
| Sandy (| Gleyed Matrix (S4) | | | | | | | | |
| Sandy I | Redox (S5) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent M | |
| | urface (S7) (LRR R, I | MI RA 14 | I9R) | | | | | • | Dark Surface (TF12) |
| | | | , | | | | | Other (Explain | n in Remarks) |
| 3Indicators | of hydrophytic veg | getation | and wetland hyd | rolog | y must be | e presen | t, unless disturb | ed or problematic. | |
| Restrictive | Layer (if observed) |): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | • | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | • | | | |
| | ndication of hydric | soil wa | s observed. The c | riterio | on for hyd | dric soil | is met. | | |
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Photo of Sample Plot South



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery Count | Sampling Date: 2020-Oct-28 | | | | |
|---|-----------------------|---|--|---|--------------------------------|---------------------|--|--|
| Applicant/Owner: ConnectGe | n | | State: New | v York | Sampling Point: W-CIW-05_UPL-1 | | | |
| Investigator(s): Camille Warne | r, RJ Monroe | | Section, Township, | Range: | | | | |
| Landform (hillslope, terrace, etc. |): Foot slope | | Local relief (concave, conv | ex, none): | Concave | Slope (%): 2 to 5 | | |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.903113 | Long:_ | -74.3527481 | Datum: WGS84 | | |
| Soil Map Unit Name: Teel silt | loam | | | | NWI classificati | on: | | |
| Are climatic/hydrologic condition | ns on the site typica | al for this time of ye | ar? Yes 🟒 No | (If no | o, explain in Remarks | .) | | |
| Are Vegetation, Soil, | or Hydrology _ | significantly dis | sturbed? Are "Norma | al Circumst | tances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology _ | naturally probl | ematic? (If needed, | explain an | ıy answers in Remark | ss.) | | |
| SUMMARY OF FINDINGS – A | Attach site map | showing sampli | ng point locations, tran | nsects, im | nportant features | , etc. | | |
| Hydrophytic Vegetation Present | t? Yes | No | | | | | | |
| Hydric Soil Present? | Yes . | es No / Is the Sampled Area within | | | n a Wetland? Yes No/ | | | |
| Wetland Hydrology Present? | Yes _ | No _ _ _ | If yes, optional Wetland Site ID: | | | | | |
| | | | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) | · - - - - | _ Water-Stained Lea _ Aquatic Fauna (B1 _ Marl Deposits (B1 _ Hydrogen Sulfide | 3) 5) Odor (C1) neres on Living Roots (C3) | Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) | | | | |
| Algal Mat or Crust (B4) | _ | _ Recent Iron Reduc | Stunted or Stressed Plants (D1) Geomorphic Position (D2) | | | | | |
| Iron Deposits (B5) | | _ Thin Muck Surface | | w Aquitard (D3) | | | | |
| Inundation Visible on Aerial | J , | _ Other (Explain in I | Remarks) | | _ Microtopographic Relief (D4) | | | |
| Sparsely Vegetated Concave | Surface (B8) | | | | eutral Test (D5) | | | |
| Field Observations: | | | | | | | | |
| Surface Water Present? | Yes No _ | ✓ Depth | (inches): | | | | | |
| Water Table Present? | Yes No _ | ✓ Depth | (inches): | Wetland I | Hydrology Present? | Yes No _ _ ✓ | | |
| Saturation Present? | Yes No _ | | (inches): | - | , 6, | · | | |
| (includes capillary fringe) | 165 140 _ | у Берин | | - | | | | |
| Describe Recorded Data (stream | | | inti if - | | | · | | |
| Remarks: No positive indication of wetlan | | | э, ргечюцэ шэресцонэ <u>,</u> , ш | available. | | | | |
| | | | | | | | | |
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| | | | | | | | | |

| Tree Stratum (Plot size:30 ft) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species Th | at 1 | (4) |
|---|---------------------|----------------------|---|--|-----------------|---------------|
| 1. Fraxinus americana | 30 | Yes | FACU | Are OBL, FACW, or FAC: | ^ 1 | (A) |
| 2. Fagus grandifolia | 25 | Yes | FACU | Total Number of Dominant Speci | es 5 | (D) |
| 3. Tsuga canadensis | 10 | No | FACU | Across All Strata: | | (B) |
| 4. | | | 17100 | Percent of Dominant Species Tha | t 20 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (// b) |
| 6. | | | | Prevalence Index worksheet: | | |
| 5. 7. | | | | Total % Cover of: | <u>Multiply</u> | <u>By:</u> |
| · | | | | OBL species 0 | x 1 = | 0 |
| | 65 | = Total Cov | er | FACW species 3 | x 2 = | 6 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 10 | x 3 = | 30 |
| . Rosa multiflora | 60 | Yes | FACU | - FACU species 155 | x 4 = | 620 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | Column Totals 168 | (A) | 656 (B) |
| 1 | | | | Prevalence Index = B/A | | (-) |
| 5. | | | | | | - |
| 5. | | | | Hydrophytic Vegetation Indicator | | |
| 7. | | | | 1- Rapid Test for Hydrophyt | _ | |
| | 60 | = Total Cov | er | 2 - Dominance Test is > 50% | | |
| Herb Stratum (Plot size:5 ft) | | | | 3 - Prevalence Index is ≤ 3.0 | | |
| 1. Solidago altissima | 30 | Yes | FACU | 4 - Morphological Adaptatio | | supporting |
| 2. Ranunculus acris | 10 | Yes | FAC | data in Remarks or on a separate | | |
| 3. Lysimachia nummularia | 3 | No | FACW | Problematic Hydrophytic Ve | _ | • |
| 4. | | | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Indicators of hydric soil and wet | , | gy must be |
| 5. | | | | present, unless disturbed or prol | piematic | |
| | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm | | diameter at |
| 7. | | | | breast height (DBH), regardless o | _ | DDLL |
| 3 | | | | Sapling/shrub - Woody plants les | | JBH and |
| 9 | | | | greater than or equal to 3.28 ft (1 | | |
| 10 | | | | Herb – All herbaceous (non-wood size, and woody plants less than | | gardiess of |
| l1 | | | | | | 20 ft in |
| 12 | | | | Woody vines – All woody vines gr | eater than 3 | .28 IL III |
| | 43 | = Total Cov | er | height. | | |
| Noody Vine Stratum (Plot size: 30 ft) | | | | Hydrophytic Vegetation Present | Yes N | No <u> </u> |
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | - | | |
| • | | = Total Cov | er | - | | |
| | 0 | | | | | |

| Profile Descr | iption: (Describe | to the de | epth needed to do | ocun | nent the i | ndicato | r or confirm the | absence of indicator | rs.) | |
|----------------|----------------------------|------------|--------------------------------|-----------|-------------------|------------------|--------------------|--|--|--|
| Depth | Matrix | | Redox | Feat | tures | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | | Remarks | |
| 0 - 3 | 10YR 3/2 | 98 | 7.5YR 3/4 | 2 | | | Silty Clay Loam | | | |
| 3 - 16 | 10YR 3/2 | 100 | | _ | | | | Loam | | |
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| | | | | _ | | | | | | |
| ¹Type: C = Co | ncentration. D = | Depletio | n, RM = Reduced | — Mati | rix. MS = | Masked | Sand Grains 2 | Location: PL = Pore I | Lining, M = Matrix | |
| Hydric Soil In | | Берісто | n, no neadeed | iviaci | 117, 1113 | Maskea | Saria Grains. | | oblematic Hydric Soils³: | |
| Histosol (| | | Polyvalue Bel | 0147 C | jurfaco (S | 0) /I DD | D MIDA 140D) | | , | |
| | pedon (A2) | | | | | | | | .10) (LRR K, L, MLRA 149B) | |
| | | | Thin Dark Sur | | | | | Coast Prairie | Redox (A16) (LRR K, L, R) | |
| Black Hist | n Sulfide (A4) | | Loamy Mucky Loamy Gleyed | | | (LKK K, I | L) | 5 cm Mucky P | Peat or Peat (S3) (LRR K, L, R) | |
| | Layers (A5) | | Depleted Mat | | | | | Dark Surface | | |
| | | | Depleted Mat) Redox Dark S | | | | | Polyvalue Bel | ow Surface (S8) (LRR K, L) | |
| | k Surface (A12) | | Depleted Dar | | | | | Thin Dark Sur | rface (S9) (LRR K, L) | |
| | ucky Mineral (S1) | | Redox Depres | | | 1 | | Iron-Mangan | ese Masses (F12) (LRR K, L, R) | |
| _ | - | | Redox Depile. | 33101 | 15 (1-0) | | | Piedmont Flo | odplain Soils (F19) (MLRA 149B) | |
| - | eyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) | | |
| Sandy Re | | | | | | | | Red Parent M | laterial (F21) | |
| | Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) | | |
| Dark Surf | face (S7) (LRR R, N | /ILRA 149 | 9B) | | | | | Other (Explain | n in Remarks) | |
| 3Indicators o | f hydrophytic yeg | etation a | and wetland hydr | olog | v must be | e preser | nt. unless disturb | ed or problematic. | | |
| | yer (if observed): | | | 0. | , | 1 | ., | | _ | |
| | - | • | None | | | Lludric | Soil Present? | | Voc. No. / | |
| | ype: | | None | | | пуштс | Son Present? | | Yes No / _ | |
| | epth (inches): | | | | | | | | | |
| Remarks: | | | | | | | | | | |
| No positive i | ndication of hydri | ic soils w | as observed. | | | | | | | |
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| Project/Site: Mill Point | | City/County: Wy | nantskill, Rensselaer Count | ty Sampling Date: 2020-Oct-29 | | | |
|--|--------------------|--------------------------|-------------------------------|-------------------------------|-------------------------|--------------------------|--|
| Applicant/Owner: ConnectGe | en | | State: Nev | w York S | ampling Point: W-CIV | V-06_PEM-1 | |
| Investigator(s): Camille Warn | er, RJ Monroe | | Section, Township, | , Range: | | | |
| Landform (hillslope, terrace, etc | :.): Depression | on | Local relief (concave, conv | vex, none): | Concave | Slope (%): 1 to 3 | |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.6911566 | Long: - | 73.6389893 | Datum: WGS84 | |
| Soil Map Unit Name: Hamlin | silt loam | | - | | NWI classification | : | |
| Are climatic/hydrologic conditio | ns on the site typ | oical for this time of y | ear? Yes <u>✓</u> No | (If no, | explain in Remarks.) | | |
| Are Vegetation, Soil, | or Hydrolog | y significantly d | isturbed? Are "Norm | al Circumsta | nces" present? | ′es No | |
| Are Vegetation, Soil, | or Hydrolog | gy naturally prob | olematic? (If needed, | explain any | answers in Remarks.) | | |
| | | | | | | | |
| SUMMARY OF FINDINGS - | Attach site ma | p showing sampl | ing point locations, tra | nsects, imp | oortant features, e | tc. | |
| Hydrophytic Vegetation Presen | it? Ye | es No | | | | | |
| Hydric Soil Present? | Ye | es No | Is the Sampled Area with | in a Wetland | ? Yes _ | ✓_ No | |
| Wetland Hydrology Present? | Ye | s No | If yes, optional Wetland S | ite ID: | W-CI | W-06 | |
| Remarks: (Explain alternative p | | | | | | | |
| | | | | | | | |
| Covertype is PEM. Area is wetla | ind, all three wet | land parameters are | present. | | | | |
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| HYDROLOGY | | | | | | | |
| | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum o | of one is required | ; check all that apply) | 1 | - | Indicators (minimum | of two required) | |
| Surface Water (A1) | | Water-Stained Le | eaves (B9) | | Soil Cracks (B6) | | |
| High Water Table (A2) | | Aquatic Fauna (B | | _ | e Patterns (B10) | | |
| Saturation (A3) | | Marl Deposits (B | | | im Lines (B16) | | |
| Water Marks (B1) | | Hydrogen Sulfide | | - | son Water Table (C2) | | |
| Sediment Deposits (B2) | | | heres on Living Roots (C3) | - | Burrows (C8) | (50) | |
| Drift Deposits (B3) | | Presence of Redu | _ | | on Visible on Aerial In | | |
| Algal Mat or Crust (B4) | | | iction in Tilled Soils (C6) | | or Stressed Plants (D | 1) | |
| Iron Deposits (B5) | | Thin Muck Surface | ce (C7) | | rphic Position (D2) | | |
| Inundation Visible on Aerial | Imagery (B7) | Other (Explain in | Remarks) | | Aquitard (D3) | | |
| Sparsely Vegetated Concave | e Surface (B8) | • | | | pographic Relief (D4) | | |
| Field Observations | | | | FAC-Net | utral Test (D5) | | |
| Field Observations: Surface Water Present? | Yes N | o 🗸 Depth | ı (inches): | | | | |
| Water Table Present? | Yes N | • | (inches): | - Wetland Hv | /drology Present? | Yes No | |
| Saturation Present? | Yes N | | (inches): | - | , ar ology i reserie. | | |
| | 103 10 | о <u>т</u> Бери | | - | | | |
| (includes capillary fringe) | | | | <u> </u> | | | |
| Describe Recorded Data (strea | m gauge, monito | ring well, aerial photo | os, previous inspections), if | available: | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| The criterion for wetland hydro | nlogy is met A no | sitive indication of w | etland hydrology was obser | ved (at least | two secondary indica | tors) | |
| The criterion for wedana hydre | 706y 13 Met. 71 po | sitive indication of w | ctiana nyarology was obser | vea (at least | two secondary malea | 1013). | |
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| T Ch (DI-+-i 20 6) | Absolute | Dominant | Indicator | Dominance Test worksh | neet: | | |
|--|----------|-------------|-----------|--|----------------|--------------|-------------|
| Tree Stratum (Plot size: <u>30 ft</u>) 1. | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC: | • | 1 | (A) |
| 2. | | | | Total Number of Domir | | | |
| 3. | | | | Across All Strata: | · | 1 | (B) |
| 4. | | | | Percent of Dominant Sp | ecies That | 100 | (A /D) |
| + 5. | | | | Are OBL, FACW, or FAC: | | | (A/B) |
| · - | | | | Prevalence Index works | heet: | | |
| 5. | | | | Total % Cover | of: | Multiply I | <u>Ву:</u> |
| 7 | | Total Cons | | OBL species | 0 | x 1 = | 0 |
| - I: (c) (c) (D) (45.6) | 0 | = Total Cov | er | FACW species | 120 | x 2 = | 240 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x 3 = | 0 |
| l | | | | - FACU species | 5 | x 4 = | 20 |
| 2. | | | | - UPL species | 0 | x 5 = | 0 |
| 3 | | | | - Column Totals | 125 | (A) | 260 (B) |
| l | | | | Prevalence In | | 2.1 | , |
| 5. | | | | Hydrophytic Vegetation | | | |
| 5. | | | | 1- Rapid Test for H | | /ogotation | |
| 7 | | | | 2 - Dominance Tes | | regetation | |
| | 0 | = Total Cov | er | ✓ 3 - Prevalence Ind | | | |
| <u>-lerb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological | | I (Drovido d | unnorting |
| 1. <i>Lysimachia nummularia</i> | 80 | Yes | FACW | - daţa in Remarks or on a | | | supporting |
| 2. Impatiens capensis | 20 | No | FACW | Problematic Hydro | | | nlain) |
| 3. Onoclea sensibilis | 20 | No | FACW | Indicators of hydric so | | | |
| 4. <i>Alliaria petiolata</i> | <u> </u> | No | FACU | present, unless disturb | | , . | y must be |
| ō. | | | | Definitions of Vegetation | | | |
| 5. | | | | Tree – Woody plants 3 i | | more in d | liameter at |
| 7. | | | | breast height (DBH), re | | | nameter at |
| 3. | | | | Sapling/shrub - Woody | | | BH and |
| 9. | | | | greater than or equal to | | | |
| 10. | | | | Herb – All herbaceous (| | | ardless of |
| 11. | | | | size, and woody plants | | | |
| 12. | | | | Woody vines – All wood | ly vines great | ter than 3.2 | 28 ft in |
| 12. | | = Total Cov | | height. | | | |
| Manda Nina Chraham (Blat sina 20 ft) | 125 | _ TOLAT COV | er | Hydrophytic Vegetation | n Present? \ | ∕es 🗸 N | 0 |
| Noody Vine Stratum (Plot size: <u>30 ft</u>) | | | | | | | |
| l | | | | - | | | |
| 2. | | | | - | | | |
| 3. | | | | - | | | |
| 4 | | | | - | | | |
| | 0 | = Total Cov | er | | | | |

| | | to the de | | | | ndicato | or confirm the a | absence of indicator | s.) |
|--------------|------------------------------|--------------|------------------|--------|-------------------|------------------|-----------------------------|-----------------------|--|
| Depth | Matrix | | Redox | | | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | % | Type ¹ | Loc ² | Tex | ture | Remarks |
| 0 - 6 | 7.5YR 2.5/1 | 100 | | | | | Mucky S | Silt Loam | |
| 6 - 20 | 7.5YR 3/1 | 95 | 10YR 3/2 | 5 | С | M | Mucky S | Silt Loam | |
| | | | | | | | | | |
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| | | | | _ | | | | | |
| ¹Type: C = 0 | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | _ocation: PL = Pore l | Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Pro | oblematic Hydric Soils³: |
| Histoso | l (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Sur | | | | | | Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Mucky | Mir | eral (F1) | (LRR K, I | _) | | Peat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleyed | d Ma | trix (F2) | | | Dark Surface | |
| Stratifie | d Layers (A5) | | Depleted Mat | rix (I | -3) | | | | |
| Deplete | d Below Dark Surfa | ace (A11) |)_✓ Redox Dark S | urfa | ce (F6) | | | | ow Surface (S8) (LRR K, L) face (S9) (LRR K, L) |
| Thick D | ark Surface (A12) | | Depleted Dar | k Su | rface (F7) | | | | |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | ssior | ns (F8) | | | _ | ese Masses (F12) (LRR K, L, R) |
| Sandy (| Gleyed Matrix (S4) | | | | | | | | odplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| _ | d Matrix (S6) | | | | | | | Red Parent M | |
| | urface (S7) (LRR R, N | /II RΔ 1//0 | OR) | | | | | • | Dark Surface (TF12) |
| Dark 30 | 11 acc (37) (ERR R, R | /ILIV (1-4. | ,,, | | | | | Other (Explain | n in Remarks) |
| | of hydrophytic veg | | and wetland hydr | olog | y must be | e presen | t, unless disturbe | ed or problematic. | |
| Restrictive | Layer (if observed): | : | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | • | | | |
| A positive i | ndication of hydric | soil was | observed. The cr | iterio | on for hyd | dric soil | is met. | | |
| | | | | | | | | | |



Photo of Sample Plot North



| Project/Site: Mill Point | | City/County: Wyn | antskill, Rensselaer County | / | Sampling Date: 2020-Oct-29 | | |
|--|-----------------------|--|--|--|--|--------------------------|--|
| Applicant/Owner: ConnectGe | 'n | | State: New | v York | Sampling Point: W-C | IW-06_UPL-1 | |
| Investigator(s): Camille Warne | er, RJ Monroe | | Section, Township, | Range: | | | |
| Landform (hillslope, terrace, etc. | .): Hillslope | | Local relief (concave, conv | ex, none): | None | Slope (%): 5 to 10 | |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.6910131 | Long:_ | -73.6392434 | Datum: WGS84 | |
| Soil Map Unit Name: Hamlin | silt loam | | | | NWI classification | on: | |
| Are climatic/hydrologic condition | ns on the site typica | al for this time of ye | ar? Yes <u></u> ✓ No | (If no | , explain in Remarks. |) | |
| Are Vegetation, Soil, | or Hydrology _ | significantly dis | sturbed? Are "Norma | al Circumst | tances" present? | Yes No | |
| Are Vegetation, Soil, | or Hydrology _ | naturally probl | ematic? (If needed, | explain an | y answers in Remarks | 5.) | |
| SUMMARY OF FINDINGS – A | Attach site map | showing sampli | ng point locations, tran | nsects, im | nportant features, | etc. | |
| Hydrophytic Vegetation Presen | t? Yes | No | [| | <u></u> | | |
| Hydric Soil Present? | Yes . | No | Is the Sampled Area within | n a Wetlan | d? Ye | s No⁄_ | |
| Wetland Hydrology Present? | Yes _ | No / _ | If yes, optional Wetland Si | te ID: | | | |
| | | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave | | _ Water-Stained Lea _ Aquatic Fauna (B1 _ Marl Deposits (B1 _ Hydrogen Sulfide _ Oxidized Rhizosph _ Presence of Redu | 3) 5) Odor (C1) neres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) | Surfact Draina Moss T Dry-Se Crayfis Satura Stunte Geome Shallov | y Indicators (minimun e Soil Cracks (B6) age Patterns (B10) Trim Lines (B16) asson Water Table (C2 sh Burrows (C8) Ition Visible on Aerial ad or Stressed Plants (orphic Position (D2) w Aquitard (D3) |) Imagery (C9) D1) | |
| | | | | FAC-Ne | eutral Test (D5) | | |
| Field Observations: | ., | | <i>a</i> | | | | |
| Surface Water Present? | Yes No _ | · | (inches): | | | | |
| Water Table Present? | Yes No _ | <u>✓</u> Depth | (inches): | Wetland F | Hydrology Present? | Yes No | |
| Saturation Present? | Yes No _ | ✓ Depth | (inches): | | | | |
| (includes capillary fringe) | | | | | | | |
| Remarks: The criterion for wetland hydro | | g well, aerial photo: | s, previous inspections), if a | available: | | | |
| | | | | | | | |

| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species Th | at 1 | (4) |
|--|-------------|----------------------|---------------------|---|-----------------|-------------|
| 1. Tsuga canadensis | 60 | Yes | FACU | Are OBL, FACW, or FAC: | | (A) |
| 2. Fagus grandifolia | 45 | Yes | FACU | Total Number of Dominant Speci | es 5 | (B) |
| 3. | | | | Across All Strata: | | (D) |
| 4. | | | | Percent of Dominant Species Tha | t 20 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | <u>Multiply</u> | - |
| · · | 105 | = Total Cov | er | OBL species 0 | x1= | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | | - | FACW species 0 | x 2 = | 0 |
| 1. Fagus grandifolia | 10 | Yes | FACU | FAC species 5 | x 3 = | 15 |
| 2. | | 103 | 17100 | FACU species 115 | x 4 = | 460 |
| 3. | | | | UPL species 10 | x 5 = | 50 |
| 4. | | | | Column Totals 130 | (A) | 525 (B) |
| | | | | Prevalence Index = B/A | =4 | |
| 5 | | | | Hydrophytic Vegetation Indicator | s: | |
| 6 | | | | 1- Rapid Test for Hydrophyt | | 1 |
| 7 | | | | 2 - Dominance Test is > 50% | , | |
| | 10 | = Total Cov | er | 3 - Prevalence Index is ≤ 3.0 |)1 | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptation | | supporting |
| Dennstaedtia punctilobula | 10 | Yes | UPL | data in Remarks or on a separate | | 11 0 |
| 2. <i>Symphyotrichum lateriflorum</i> | 5 | Yes | FAC | Problematic Hydrophytic Ve | getation1 (Ex | kplain) |
| 3 | | | | ¹Indicators of hydric soil and wet | and hydrolo | gy must be |
| 4 | | | | present, unless disturbed or prol | - | 0, |
| 5 | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm |) or more in | diameter at |
| 7. | | | | breast height (DBH), regardless of | | |
| 8. | | | | Sapling/shrub - Woody plants les | s than 3 in. I | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 | m) tall. | |
| 10. | | | | Herb – All herbaceous (non-wood | ly) plants, re | gardless of |
| 11. | | | | size, and woody plants less than | 3.28 ft tall. | |
| 12. | | | | Woody vines – All woody vines gr | eater than 3 | .28 ft in |
| · | 15 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | - Total Cov | Ci | Hydrophytic Vegetation Present | Yes N | No <u> </u> |
| 1. | | | | | | |
| 2 | | | | | | |
| 2. | | | | - | | |
| 3 | | | | - | | |
| 4 | | | | - | | |
| | 0 | = Total Cov | er | | | |
| Remarks: (Include photo numbers here or on a see No positive indication of hydrophytic vegetation v | • | 50% of dom | ninant speci | es indexed as FAC– or drier). | | |
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| | cription: (Describe | to the de | | | | indicato | r or confirm the a | absence of ir | ndicators.) |
|---------------|------------------------------|------------|------------------|------|-------------------|------------------|-----------------------------|---------------|--|
| Depth _ | Matrix | | Redox | | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | <u> </u> | Remarks |
| 0 - 16 | 10YR 2/1 | 100 | | _ | | | Silt Loan | n | |
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| ¹Type: C = C | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | Location: PL | = Pore Lining, M = Matrix. |
| Hydric Soil I | ndicators: | - | | | | | | Indicators | s for Problematic Hydric Soils³: |
| Histosol | | | Polyvalue Bel | ow S | urface (S | 8) (LRR | R. MLRA 149B) | | Muck (A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark Sur | | | | | | |
| Black Hi | • | | Loamy Mucky | | | | | | Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleyed | | | (=::::, | -, | | Mucky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted Mat | | | | | | Surface (S7) (LRR K, L) |
| | d Below Dark Surfa | | | | | | | | alue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | |) | | | Dark Surface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depres | | | | | | Manganese Masses (F12) (LRR K, L, R) |
| | ileyed Matrix (S4) | | | | | | | | nont Floodplain Soils (F19) (MLRA 149B) |
| - | edox (S5) | | | | | | | | Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | | arent Material (F21) |
| | rface (S7) (LRR R, M | AI DA 140 | ופו | | | | | - | Shallow Dark Surface (TF12) |
| Dark Su | 11ace (37) (LKK K, IV | ILKA 143 | 76) | | | | | Other | (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | olog | y must b | e preser | nt, unless disturbe | ed or proble | matic. |
| Restrictive I | ayer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | ١ | ∕es No⁄_ |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | -1 | | | |
| | indication of hydri | ic soils w | as observed | | | | | | |
| ino positive | indication of riguri | ic solis w | as observed. | | | | | | |
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Photo of Sample Plot North





Photo of Sample Plot West



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery Count | ty | Sampling Date: 202 | 0-Oct-30 | |
|-----------------------------------|--------------------------|-----------------------|--------------------------------|--------------|---------------------------|--------------------------|--|
| Applicant/Owner: ConnectGe | en | | State: Nev | w York S | Sampling Point: W-CIV | W-CIW-07_PEM-1 | |
| Investigator(s): Camille Warne | er, RJ Monroe | | Section, Township, | Range: | | | |
| Landform (hillslope, terrace, etc | .): Depression | | Local relief (concave, conv | /ex, none): | Concave | Slope (%): 1 to 3 | |
| Subregion (LRR or MLRA): | LRR R | _ | Lat: 42.8940273 | Long: | -74.3486753 | Datum: WGS84 | |
| Soil Map Unit Name: Churchy | ville silty loam, 3 to 8 | B percent slopes | | | NWI classification | 1: | |
| Are climatic/hydrologic conditio | ns on the site typica | l for this time of ye | ar? Yes <u>✓</u> No | (If no, | explain in Remarks.) | | |
| Are Vegetation, Soil, | or Hydrology _ | significantly dis | sturbed? Are "Norma | al Circumsta | ances" present? | ⁄es _ _∕ _ No | |
| Are Vegetation, Soil, | or Hydrology _ | naturally probl | ematic? (If needed, | explain any | answers in Remarks.) | | |
| | | | | | | | |
| SUMMARY OF FINDINGS - | Attach site map | showing samplir | ng point locations, trar | nsects, im | portant features, e | etc. | |
| Hydrophytic Vegetation Presen | t? Yes _ | ✓_ No | | | | | |
| Hydric Soil Present? | Yes _ | ✓_ No | Is the Sampled Area withi | in a Wetland | d? Yes _ | ✓_ No | |
| Wetland Hydrology Present? | Yes | ∠ No | If yes, optional Wetland Si | ite ID: | W-CI | W-07 | |
| Remarks: (Explain alternative p | | | _ · | | | | |
| I | | | | | | | |
| Covertype is PEM. Area is wetla | nd, all three wetland | d parameters are p | resent. | | | | |
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| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum o | one is required: ch | neck all that apply) | | Secondary | Indicators (minimum | of two required) | |
| | | | | - | Soil Cracks (B6) | <u>0,</u> | |
| Surface Water (A1) | _ | _ Water-Stained Lea | | | ge Patterns (B10) | | |
| High Water Table (A2) | | _ Aquatic Fauna (B1 | | | rim Lines (B16) | | |
| Saturation (A3) | | Marl Deposits (B1 | | | ason Water Table (C2) | | |
| Water Marks (B1) | | _ Hydrogen Sulfide | | - | h Burrows (C8) | | |
| Sediment Deposits (B2) | | · | neres on Living Roots (C3) | - | tion Visible on Aerial In | nagery (C9) | |
| Drift Deposits (B3) | | Presence of Reduc | | | d or Stressed Plants (D | - | |
| Algal Mat or Crust (B4) | | | ction in Tilled Soils (C6) | | orphic Position (D2) | , | |
| Iron Deposits (B5) | | _ Thin Muck Surface | | | v Aquitard (D3) | | |
| Inundation Visible on Aerial | | Other (Explain in F | Remarks) | Microto | opographic Relief (D4) | | |
| Sparsely Vegetated Concave | e Surrace (B8) | | | ∕ FAC-Ne | eutral Test (D5) | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No _ | ✓ Depth (| (inches): | _ | | | |
| Water Table Present? | Yes No _ | <u>✓</u> Depth (| (inches): | Wetland H | ydrology Present? | Yes No | |
| Saturation Present? | Yes No _ | <u>✓</u> Depth (| (inches): | _ | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (stream | m gauge, monitoring | g well, aerial photos | s, previous inspections), if a | available: | | | |
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| Remarks: | | | | | | | |
| The criterion for wetland hydro | ology is met. A positi | ve indication of wet | tland hydrology was observ | ved (at leas | t one primary indicato | r). | |
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|---|------------|-------------|-------------|--|--------------|--------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| | % Cover | Species? | Status | Number of Dominant Species That | 3 | (A) |
| 1. | | | | Are OBL, FACW, or FAC: Total Number of Dominant Species | | |
| 2. | | | | Across All Strata: | 3 | (B) |
| 3. | | | | Percent of Dominant Species That | | |
| 4 | | | | Are OBL, FACW, or FAC: | 100 | (A/B) |
| 5 | | | | Prevalence Index worksheet: | - | |
| 6. | | | | Total % Cover of: | Multiply I | <u>Ву:</u> |
| 7 | | | | OBL species 55 | x 1 = | 55 |
| | 0 | = Total Cov | er | FACW species 70 | x 2 = | 140 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 0 | x 4 = | 0 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | Column Totals 125 | (A) | 195 (B) |
| 4 | | | | Prevalence Index = B/A = | 1.6 | (-) |
| 5 | | | | Hydrophytic Vegetation Indicators: | | |
| 6 | | | | 1 , , , , | logotation | |
| 7 | | | | 1- Rapid Test for Hydrophytic \ \(\sqrt{2} \) 2 - Dominance Test is >50\% | vegetation | |
| | 0 | = Total Cov | er | \checkmark 3 - Prevalence Index is $\le 3.0^{\circ}$ | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptations | 1 (Drovido c | unporting |
| 1. Symphyotrichum lanceolatum | 60 | Yes | FACW | dața in Remarks or on a separate sh | | supporting |
| 2. Typha angustifolia | 30 | Yes | OBL | Problematic Hydrophytic Vege | | nlain) |
| 3. Lythrum salicaria | 25 | Yes | OBL | ¹Indicators of hydric soil and wetlan | | |
| 4. Phalaris arundinacea | 10 | No | FACW | present, unless disturbed or proble | - | y mast be |
| 5. | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in d | liameter at |
| 7. | | | | breast height (DBH), regardless of h | | narrieter at |
| 8. | | | | Sapling/shrub – Woody plants less t | _ | BH and |
| 9. | | | | greater than or equal to 3.28 ft (1 m | | |
| 10. | | | | Herb – All herbaceous (non-woody) | plants, reg | ardless of |
| 11 | | | | size, and woody plants less than 3.2 | 28 ft tall. | |
| 12. | | | | Woody vines – All woody vines grea | ter than 3. | 28 ft in |
| 12. | 125 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | 123 | · | Ci | Hydrophytic Vegetation Present? | Yes 🟒 N | o |
| 1. | | | | | | |
| 2 | | | | • | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 4. | 0 | = Total Cov | or | | | |
| | - | - Total Cov | CI | | | |
| Remarks: (Include photo numbers here or on a separat | | | | | | |
| A positive indication of hydrophytic vegetation was obs | erved (>50 | % of domin | ant species | indexed as OBL, FACW, or FAC). | | |
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| | • | to the | • | | | indicato | or confirm the ab | osence of indicators.) |
|-------------------|---|----------|-------------------|----------------|------------|------------------|------------------------------|--|
| Depth (inches) | Matrix Color (moist) | <u></u> | Color (moist) | | | 1002 | Toytura | Remarks |
| 0 - 7 | 10YR 3/2 | 90 | 7.5YR 5/8 | <u>%</u> 10 | Type¹ C | Loc ² | Texture Silt Loam | Remarks |
| 7 - 20 | 10YR 3/1 | 50 | 10YR 3/6 | 40 | | M | Silt Loam | |
| 7 - 20 | 1018 3/1 | | 10YR 7/8 | 10 | | M | Silt Loam | |
| 7 - 20 | | | 1011 776 | 10 | | IVI | Silt Loain | |
| - | | - — | | - — | | | | |
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| ¹Type: C = | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | • | | | | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark S | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | listic (A3) | | Loamy Muc | - | | (LRR K, I | _) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | gen Sulfide (A4) | | Loamy Gley | | | | | Dark Surface (S7) (LRR K, L) |
| | ed Layers (A5) ed Below Dark Surfa | (11 | Depleted M | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ed Below Dark Suria Park Surface (A12) | ice (A i | Depleted Da | | | ١ | | Thin Dark Surface (S9) (LRR K, L) |
| | Mucky Mineral (S1) | | Redox Depr | | | , | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| - | Gleyed Matrix (S4) | | Nedox Depi | C33101 | 13 (10) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | ed Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | urface (S7) (LRR R, N | II DA 1 | 40P) | | | | | Very Shallow Dark Surface (TF12) |
| Dark Si | urrace (57) (LKK K, N | ILKA I | 490) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etatior | n and wetland hyd | drolog | y must b | e preser | t, unless disturbe | d or problematic. |
| Restrictive | Layer (if observed): | | | | | | | |
| | Type: | | None | _ | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive | indication of hydric | soil wa | as observed. The | criteri | on for hy | dric soil | is met. | |
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Photo of Sample Plot North



| Project/Site: Mill Point | | City/County: Fulto | nville, Montgomery County | у | Sampling Date: 20 | 20-Oct-30 |
|---|--------------------------|----------------------|---|-------------|---------------------------|--------------------------|
| Applicant/Owner: ConnectGe | n | • | State: New | / York | Sampling Point: W-C | IW-07_UPL-1 |
| Investigator(s): Camille Warne | r, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, etc. |): Foot slope | I | ocal relief (concave, conve | ex, none): | Convex | Slope (%): 2 to 5 |
| Subregion (LRR or MLRA): | RR R | | Lat: 42.8940074 | Long:_ | -74.3487104 | Datum: WGS84 |
| Soil Map Unit Name: Churchy | ille silty loam 3 to 8 p | percent slopes | | | NWI classificatio | n: |
| Are climatic/hydrologic condition | is on the site typical | for this time of yea | r? Yes No | (If no | o, explain in Remarks.) | |
| Are Vegetation, Soil, | or Hydrology | significantly dist | curbed? Are "Norma | al Circumst | tances" present? | Yes No |
| Are Vegetation, Soil, | or Hydrology | naturally proble | matic? (If needed, e | explain an | y answers in Remarks | i.) |
| | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map sl | howing samplin | g point locations, tran | sects, im | portant features, | etc. |
| Hydrophytic Vegetation Present | | No | <u>- · </u> | | | |
| | | | | | - da V- | - N- 4 |
| Hydric Soil Present? | | No | Is the Sampled Area withi | in a Wetlar | na? Ye | s No⁄_ |
| Wetland Hydrology Present? | Yes | No _ _ _ | If yes, optional Wetland S | ite ID: | | |
| Remarks: (Explain alternative pr | ocedures here or in | a separate report) | | | · | |
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| HYDROLOGY | | | | | | |
| Watland Hudralam Indicators | | | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of | fone is required: che | eck all that anniv) | | Secondan | y Indicators (minimum | of two required) |
| Filmary mulcators (minimum of | one is required, che | ск ан спас арріу) | | - | e Soil Cracks (B6) | rortwo required) |
| Surface Water (A1) | | Water-Stained Leav | | | age Patterns (B10) | |
| High Water Table (A2) | | Aquatic Fauna (B13 | | | Trim Lines (B16) | |
| Saturation (A3) | | Marl Deposits (B15 | | | eason Water Table (C2) |) |
| Water Marks (B1) | | Hydrogen Sulfide C | | - | sh Burrows (C8) | , |
| Sediment Deposits (B2) | | • | eres on Living Roots (C3) | - | ition Visible on Aerial I | Imagery (C9) |
| Drift Deposits (B3) | | Presence of Reduce | | Stunte | ed or Stressed Plants (| D1) |
| Algal Mat or Crust (B4) | | | ion in Tilled Soils (C6) | Geom | orphic Position (D2) | |
| Iron Deposits (B5) | | Thin Muck Surface | | Shallo | w Aquitard (D3) | |
| Inundation Visible on Aerial Sparsely Vegetated Concave | | Other (Explain in R | erriarks) | Microt | opographic Relief (D4 | .) |
| sparsely vegetated Concave | Surface (Bo) | | | FAC-N | eutral Test (D5) | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No | <u>∕</u> Depth (i | nches): | | | |
| Water Table Present? | Yes No | <u>✓</u> Depth (i | nches): | Wetland H | Hydrology Present? | Yes No / _ |
| Saturation Present? | Yes No | Depth (i | nches): | | | |
| (includes capillary fringe) | | | | | | |
| Describe Recorded Data (stream | n gauge, monitoring | well, aerial photos. | previous inspections), if a | vailable: | | |
| 2 0301.30 1.000. 000 2 000 (30.00) | . 80080, | , ac.ia. p | p. c. ous inspections,, i. c | | | |
| | | | | | | |
| <u> </u> | | | | | | |
| Remarks: | | | | | | |
| The criterion for wetland hydrol | ogy is not met. | | | | | |
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|--|-------------|-------------|---------------|--|------------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| 4 | % Cover | Species? | Status | Number of Dominant Species 1 Are OBL, FACW, or FAC: | nat 1 | (A) |
| 1. | · | | | Total Number of Dominant Spe | cies | |
| 2 | . ——— | | | Across All Strata: | 2 | (B) |
| 4. | . ——— | | | Percent of Dominant Species T | nat 50 | (A (D) |
| · | | | | Are OBL, FACW, or FAC: | 50 | (A/B) |
| 5. | | | | Prevalence Index worksheet: | | |
| 6. | | | | Total % Cover of: | Multiply | <u> By:</u> |
| 7 | 0 | = Total Cov | | OBL species 0 | x 1 = | 0 |
| Cardina (Church Church une (Diet einer 15 ft.) | | = Total Cov | er | FACW species 30 | x 2 = | 60 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 90 | x 4 = | 360 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 120 | (A) | 420 (B) |
| 4 | | | | Prevalence Index = B | /A = <u>3.5</u> | |
| 5. | | | | Hydrophytic Vegetation Indicat | ors: | |
| 6 | · —— | | | 1- Rapid Test for Hydroph | | า |
| 7 | | | | 2 - Dominance Test is > 50 | _ | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ 1 | 3.0 ¹ | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adapta | ions¹ (Provide | supporting |
| 1. Melilotus indicus | 70 | Yes | FACU | data in Remarks or on a separa | | 0 |
| 2. <i>Phalaris arundinacea</i> | 30 | Yes | FACW | Problematic Hydrophytic | Vegetation¹ (E | xplain) |
| 3. Plantago lanceolata | 10 | No | FACU | lndicators of hydric soil and w | etland hydrolc | gy must be |
| 4. Trifolium repens | 10 | No | FACU | present, unless disturbed or pr | oblematic | |
| 5 | | | | Definitions of Vegetation Strata | ı: | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 c | m) or more in | diameter at |
| 7 | | | | breast height (DBH), regardless | of height. | |
| 8. | | | | Sapling/shrub – Woody plants | | DBH and |
| 9 | | | | greater than or equal to 3.28 ft | | |
| 10. | | | | Herb – All herbaceous (non-wo | | gardless of |
| 11. | | | | size, and woody plants less tha | | |
| 12 | | | | Woody vines – All woody vines | greater than 3 | 3.28 ft in |
| | 120 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | | | Hydrophytic Vegetation Prese | nt? Yes l | No <u> </u> |
| 1. | | | | | | |
| 2 | | | | | | |
| 3. | | | | | | |
| 4 | | | | | | |
| | 0 | = Total Cov | er | | | |
| Remarks: (Include photo numbers here or on a separat | te sheet \ | | | _ | | |
| Pasture. No positive indication of hydrophytic vegetation | | erved (>50° | % of domina | ant species indexed as FAC- or d | ·ier) | |
| rastare. No positive indication of flydrophytic vegetation | 311 Was 003 | served (250 | 70 OI GOITHII | and species indexed as the of di | ici). | |
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| | | to the d | | | | ndicator | or confirm the a | absence of indicators.) | |
|----------------|------------------------------|-----------|---|---------|-------------------|------------------|-------------------|---------------------------|-------------------------------------|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | % | Type ¹ | Loc ² | | Texture | Remarks |
| 0 - 5 | 10YR 3/2 | 100 | | | | | Silty | Clay Loam | |
| 5 - 16 | 10YR 3/2 | 90 | 7.5YR 5/8 | 10 | С | М | Rocky S | Silty Clay Loam | |
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| 1Typo: C = 1 | Concentration, D = | Donloti | on PM - Poducoc | | iv MC - | Macked | Sand Grains 21 | Location: DL = Pore Linin | ag M = Matrix |
| | | Depleti | on, Rivi – Reduced | I Wiati | 1X, 1VI3 - | iviaskeu | Sanu Granis | Location: PL = Pore Linin | |
| 1 | Indicators: | | | | | | | Indicators for Probler | matic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | | | | | 2 cm Muck (A10) (| (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark Su | | | | | Coast Prairie Redo | ox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Muck | - | | (LRR K, I | -) | 5 cm Mucky Peat | or Peat (S3) (LRR K, L, R) |
| , | en Sulfide (A4) | | Loamy Gleye | | | | | Dark Surface (S7) | (LRR K, L) |
| | ed Layers (A5) | | Depleted Ma | | | | | | Surface (S8) (LRR K, L) |
| | ed Below Dark Surf | face (A1´ | | | | | | Thin Dark Surface | |
| | ark Surface (A12) | | Depleted Da | | |) | | | Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | ession | ıs (F8) | | | _ | lain Soils (F19) (MLRA 149B) |
| Sandy 0 | Gleyed Matrix (S4) | | | | | | | · | 6) (MLRA 144A, 145, 149B) |
| Sandy I | Redox (S5) | | | | | | | Red Parent Mater | |
| Strippe | d Matrix (S6) | | | | | | | | |
| | urface (S7) (LRR R, I | MLRA 14 | 9B) | | | | | Very Shallow Dark | |
| | , | | • | | | | | Other (Explain in | Remarks) |
| - | | | and wetland hyd | rology | / must be | e presen | t, unless disturb | ed or problematic. | |
| Restrictive | Layer (if observed) |): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive i | ndication of hydric | soil wa | s observed. | | | | | | |
| , i positivo . | | | 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
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Photo of Sample Plot East



| Project/Site: Mill Point | c | ity/County: Fultonville, Mor | ntgomery County | Sampling Date: | 2020-Oct-30 |
|-----------------------------------|---------------------------------------|-------------------------------|--------------------------|---------------------------|----------------------|
| Applicant/Owner: ConnectGe | en | | State: New York | Sampling Point: W | /-CIW-08_PEM-1 |
| Investigator(s): Camille Warn | er, RJ Monroe | Sec | tion, Township, Range | e: | |
| Landform (hillslope, terrace, etc |): Depression | Local relief | (concave, convex, no | one): Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | LRR R | Lat: | 42.8946315 L | ong: -74.3491093 | Datum: WGS84 |
| Soil Map Unit Name: Church | ville silty clay loam, 3 to | 8 percent slopes | | NWI classifica | ation: |
| Are climatic/hydrologic conditio | ns on the site typical fo | or this time of year? | Yes No ∕ (| lf no, explain in Remark | s.) |
| Are Vegetation, Soil | , or Hydrology | _ significantly disturbed? | Are "Normal Circ | umstances" present? | Yes No |
| Are Vegetation, Soil | or Hydrology | _ naturally problematic? | (If needed, expla | in any answers in Rema | rks.) |
| | | | | | |
| SUMMARY OF FINDINGS - | Attach site map sh | owing sampling point le | ocations, transect | s, important feature | es, etc. |
| Hydrophytic Vegetation Preser | | _No | | · | |
| Hydric Soil Present? | | i | pled Area within a W | etland? | /es/_ No |
| | | ; | • | | |
| Wetland Hydrology Present? | • | | onal Wetland Site ID: | | N-CIW-08 |
| Remarks: (Explain alternative p | | • | | | |
| Covertype is PEM. Area is wetla | | • | umstances are not n | ormal due to agricultura | al activities. |
| Circumstances are not normal | due to mowing of vege | etation. | | | |
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| HYDROLOGY | | | | | |
| Wetland Hydrology Indicators: | | | | | |
| Primary Indicators (minimum o | | k all that annly) | Seco | ndary Indicators (minim | um of two required) |
| Timary malcators (miniman) | n one is required, chec | к ан спасарруу | | urface Soil Cracks (B6) | ani or two required) |
| <u></u> Surface Water (A1) | W | /ater-Stained Leaves (B9) | | rainage Patterns (B10) | |
| <u></u> High Water Table (A2) | A | quatic Fauna (B13) | | loss Trim Lines (B16) | |
| ✓ Saturation (A3) | N | larl Deposits (B15) | | ry-Season Water Table (| C2) |
| Water Marks (B1) | | ydrogen Sulfide Odor (C1) | C | rayfish Burrows (C8) | C2) |
| Sediment Deposits (B2) | | xidized Rhizospheres on Liv | ing Roots (C3) | aturation Visible on Aeri | al Imagery (C9) |
| Drift Deposits (B3) | | resence of Reduced Iron (C4 | ł) S1 | tunted or Stressed Plant | |
| Algal Mat or Crust (B4) | | ecent Iron Reduction in Tille | d 20112 ((b) | eomorphic Position (D2 | |
| Iron Deposits (B5) | | hin Muck Surface (C7) | | hallow Aquitard (D3) | , |
| Inundation Visible on Aeria | · · · · · · · · · · · · · · · · · · · | ther (Explain in Remarks) | | licrotopographic Relief (| D4) |
| Sparsely Vegetated Concav | e Surface (B8) | | | AC-Neutral Test (D5) | <i>5</i> 1, |
| Field Observations: | | | | Te reactal rest (B3) | |
| Surface Water Present? | Yes 🟒 No | Depth (inches): | 0 | | |
| Water Table Present? | Yes _ ✓ _ No | Depth (inches): | 0 Wetla | and Hydrology Present? | Yes No |
| Saturation Present? | Yes No | Depth (inches): | 0 | - | |
| (includes capillary fringe) | | , , , | | | |
| | | | | .1 | |
| Describe Recorded Data (strea | m gauge, monitoring w | eii, aeriai priotos, previous | inspections), ii avaliai | oie: | |
| | | | | | |
| | | | | | |
| Remarks: | | | | | |
| The criterion for wetland hydro | ology is mot | | | | |
| The chterior for wettand hydro | nogy is met. | | | | |
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| Tree Stratum (Plot size:30 ft) | | Dominant Species? | Indicator Status | Dominance Test worksh Number of Dominant Sp | | | |
|---|----|----------------------|---------------------|--|---------------|--------------|-------------|
| 1. | | | | Are OBL, FACW, or FAC: | | 1 | (A) |
| 2. | | | | Total Number of Domin | ant Species | 1 | (B) |
| 3. | | | | Across All Strata: | | | (D) |
| 4. | | | | Percent of Dominant Sp | ecies That | 100 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | | (,,,,, |
| 6. | | | | Prevalence Index works | | | |
| 7. | | | | Total % Cover of | of: | Multiply I | <u>Ву:</u> |
| /· | 0 | = Total Cov | uor . | OBL species | 80 | x 1 = | 80 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | _ Total Cov | CI | FACW species | 0 | x 2 = | 0 |
| 1. | | | | FAC species | 0 | x 3 = | 0 |
| 2. | | | | FACU species | 10 | x 4 = | 40 |
| - | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 90 | (A) | 120 (B) |
| 4 | | | | Prevalence Inc | dex = B/A = | 1.3 | |
| 5 | | | | Hydrophytic Vegetation | Indicators: | , | |
| 6 | | | | 1- Rapid Test for H | | egetation | |
| 7 | | | | ✓ 2 - Dominance Tes | | -8 | |
| | 0 | _= Total Cov | er er | ✓ 3 - Prevalence Inde | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological | | (Provide | supporting |
| 1. Juncus effusus | 80 | Yes | OBL | daţa in Remarks or on a | | | 2apport8 |
| 2. <i>Plantago major</i> | 10 | No | FACU | Problematic Hydro | | | plain) |
| 3 | | | | ¹Indicators of hydric soil | | | |
| 4. | | | | present, unless disturbe | | - | 33 |
| 5 | | | | Definitions of Vegetation | n Strata: | | |
| 6. | | | | Tree – Woody plants 3 ir | | more in c | diameter at |
| 7. | | | | breast height (DBH), reg | | | |
| 8. | | | | Sapling/shrub - Woody | | _ | BH and |
| 9. | | | | greater than or equal to | 3.28 ft (1 m |) tall. | |
| 10. | | | | Herb – All herbaceous (r | non-woody) | plants, reg | gardless of |
| 11. | | | | size, and woody plants l | ess than 3.2 | 8 ft tall. | |
| 12. | | | | Woody vines - All wood | y vines great | ter than 3. | 28 ft in |
| | 90 | = Total Cov | /er | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | | _ | | Hydrophytic Vegetation | Present? | ∕es <u> </u> | 0 |
| 1. | | | | | | | |
| 2 | | | | | | | |
| 3. | | | | | | | |
| - | | | | • | | | |
| 4 | | Tatal Car | | | | | |
| | 0 | = Total Cov | /er | | | | |
| Remarks: (Include photo numbers here or on a separate A positive indication of hydrophytic vegetation was obs | | 0% of domir | nant species | indexed as OBL, FACW, or | FAC). | | |
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| Profile Desc | ription: (Describe t | to the | • | | | ndicato | r or confirm the | absence of indicators.) | |
|---------------|-----------------------------|---------|------------------|--------|-------------------|------------------|---------------------------|---------------------------|-------------------------------------|
| Depth | Matrix | | Redox | (Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | | Texture | Remarks |
| 0 - 13 | 10YR 4/2 | 90 | 5YR 4/6 | 10 | С | PL | Mucky | Silty Clay Loam | |
| 13 - 20 | 10YR 4/3 | 70 | 10YR 5/8 | 30 | | M | Silty | y Clay Loam | |
| | | | | | | | | <i>yy</i> | |
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| ¹Type: C = C | oncentration, D = I | Deplet | ion, RM = Reduce | d Mati | rix, MS = | Masked | Sand Grains. ² | Location: PL = Pore Linin | ig, M = Matrix. |
| Hydric Soil I | ndicators: | | | | | | | Indicators for Proble | matic Hydric Soils³: |
| Histosol | (A1) | | Polyvalue Be | elow S | urface (S | 8) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (| (LRR K, L, MLRA 149B) |
| Histic Ep | oipedon (A2) | | Thin Dark Su | | | | | Coast Prairie Red | |
| Black Hi | stic (A3) | | Loamy Mucl | ky Mir | eral (F1) | (LRR K, | L) | | or Peat (S3) (LRR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gley | ed Ma | trix (F2) | | | | |
| | d Layers (A5) | | ✓ Depleted Ma | | | | | Dark Surface (S7) | |
| Deplete | d Below Dark Surfa | ice (A1 | | | | | | • | Surface (S8) (LRR K, L) |
| | ark Surface (A12) | • | Depleted Da | | |) | | Thin Dark Surface | |
| | lucky Mineral (S1) | | Redox Depr | | | | | • | Masses (F12) (LRR K, L, R) |
| _ | ileyed Matrix (S4) | | | | - (-) | | | Piedmont Floodp | lain Soils (F19) (MLRA 149B) |
| | edox (S5) | | | | | | | · · | 5) (MLRA 144A, 145, 149B) |
| - | | | | | | | | Red Parent Mater | rial (F21) |
| | d Matrix (S6) | | | | | | | Very Shallow Darl | k Surface (TF12) |
| Dark Su | rface (S7) (LRR R, M | ILRA 14 | 49B) | | | | | Other (Explain in | Remarks) |
| 3Indicators | of hydrophytic veg | etatior | and wetland hyd | rolog | y must be | e preser | nt, unless disturb | ed or problematic. | |
| Restrictive L | ayer (if observed): | | - | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes/_ No |
| | • • | | IVOITE | • | | riyanc | Jon 1 reserie. | | 103100 |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
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Hydrology Photos





Photo of Sample Plot South



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery Count | ty | Sampling Date: 202 | 20-Oct-30 |
|---|-------------------------|---------------------|-----------------------------|------------------|--|-------------------|
| Applicant/Owner: ConnectGe | n | | State: Nev | w York S | ampling Point: W-CI | W-08_UPL-1 |
| Investigator(s): Camille Warne | er, RJ Monroe | | Section, Township, | Range: | | |
| Landform (hillslope, terrace, etc. | .): Depression | | Local relief (concave, conv | ex, none):(| Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | LRR R | | Lat: 42.8946828 | Long: - | 74.3489659 | Datum: WGS84 |
| Soil Map Unit Name: Churchy | ille silty clay loam, 3 | to 8 percent slope | S | | NWI classificatio | n: |
| Are climatic/hydrologic condition | ns on the site typical | for this time of ye | ar? Yes <u>✓</u> No | (If no, | explain in Remarks.) | |
| Are Vegetation 🟒, Soil, | or Hydrology | significantly dis | sturbed? Are "Norm | al Circumsta | inces" present? | Yes No |
| Are Vegetation, Soil, | or Hydrology | naturally probl | ematic? (If needed, | explain any | answers in Remarks | .) |
| SUMMARY OF FINDINGS – A | | howing samplin | ng point locations, tran | nsects, imp | oortant features, | etc. |
| , , , , | | | lanka Camalad Amaa wiishii | | 3 V | . No. |
| Hydric Soil Present? | | No _ _ / | Is the Sampled Area withi | n a wetiand: | ? Yes | s No <u>_</u> ∠ |
| Wetland Hydrology Present? | Yes | No | If yes, optional Wetland Si | ite ID: | | |
| | | | | | | |
| HYDROLOGY Wetland Hydrology Indicators: | | | | | | |
| Primary Indicators (minimum o | f one is required: ch | eck all that annly) | | Secondary | Indicators (minimum | of two required) |
| Frimary mulcators (minimum o | Tone is required, cire | еск ан спас арргуд | | | Soil Cracks (B6) | rortwo required) |
| Surface Water (A1) | | Water-Stained Lea | | | ge Patterns (B10) | |
| High Water Table (A2) | | Aquatic Fauna (B1 | | _ | rim Lines (B16) | |
| Saturation (A3) | | Marl Deposits (B1 | | | son Water Table (C2) |) |
| Water Marks (B1) Sediment Deposits (B2) | | Hydrogen Sulfide | neres on Living Roots (C3) | Crayfish | Burrows (C8) | |
| Drift Deposits (B3) | | Presence of Reduc | • | | ion Visible on Aerial I | |
| Algal Mat or Crust (B4) | | | tion in Tilled Soils (C6) | | l or Stressed Plants ([| D1) |
| Iron Deposits (B5) | | Thin Muck Surface | | | rphic Position (D2) | |
| Inundation Visible on Aerial | Imagery (B7) | Other (Explain in F | Remarks) | | Aquitard (D3) | \ |
| Sparsely Vegetated Concave | Surface (B8) | | | | pographic Relief (D4) utral Test (D5) |) |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No | / Depth (| (inches): | | | |
| Water Table Present? | Yes No | · | (inches): | - Wetland Hy | ydrology Present? | Yes No _ ✓ |
| Saturation Present? | Yes No | · | | - Wedding Hy | arology reserie. | |
| | res NO | <u>Z</u> Берин | (inches): | - | | |
| (includes capillary fringe) Describe Recorded Data (strear | | | | | | |
| Remarks: The criterion for wetland hydro | | | | | | |
| | | | | | | |

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|---|------------|-------------|-------------|---|------------------|--------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| | % Cover | Species? | Status | Number of Dominant Species Are OBL, FACW, or FAC: | That 1 | (A) |
| 1 | | | | Total Number of Dominant Sp | ecies | |
| 2 | | | | Across All Strata: | 2 | (B) |
| 3. | | | | Percent of Dominant Species | That 50 | (4 (5) |
| 4 | | | | Are OBL, FACW, or FAC: | 50 | (A/B) |
| 5 | | | | Prevalence Index worksheet: | | |
| 6 | | | | Total % Cover of: | <u>Multiply</u> | <u> Ву:</u> |
| 7 | | | | OBL species 0 | x 1 = | 0 |
| | 0 | = Total Cov | er | FACW species 30 | x 2 = | 60 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 70 | x 4 = | 280 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3 | | | | Column Totals 100 | (A) | 340 (B) |
| 4 | | | | Prevalence Index = | | ` , , |
| 5 | | | | Hydrophytic Vegetation Indica | | |
| 6 | | | | 1- Rapid Test for Hydrop | | 0 |
| 7 | | | | 2 - Dominance Test is > 5 | - | 1 |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adapt | | supporting |
| 1. Melilotus officinalis | 60 | Yes | FACU | data in Remarks or on a separ | | : supporting |
| 2. <i>Phalaris arundinacea</i> | 30 | Yes | FACW | Problematic Hydrophytic | | xnlain) |
| 3. Trifolium repens | 10 | No | FACU | ¹Indicators of hydric soil and v | | |
| 4. | | | | present, unless disturbed or p | - | by must be |
| 5. | | | | Definitions of Vegetation Stra | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 | | diameter at |
| 7. | | | | breast height (DBH), regardles | - | alameter at |
| 8. | | | | Sapling/shrub – Woody plants | _ | DBH and |
| 9. | | | | greater than or equal to 3.28 | | |
| 10. | | | | Herb – All herbaceous (non-w | oody) plants, re | gardless of |
| 11 | | | | size, and woody plants less th | an 3.28 ft tall. | |
| 12. | | | | Woody vines – All woody vine | greater than 3 | 3.28 ft in |
| 12. | 100 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | 100 | - Total Cov | Ci | Hydrophytic Vegetation Pres | nt? Yes | No <u></u> |
| 1. | | | | | | |
| 2 | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 4. | | = Total Cov | | | | |
| | 0 | _ 10tal Cov | er | | | |
| Remarks: (Include photo numbers here or on a separa | | | | | | |
| Pasture. No positive indication of hydrophytic vegetati | on was obs | erved (≥50 | % of domina | ant species indexed as FAC– or o | rier). | |
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| | | to the d | | | | ndicator | or confirm the a | absence of indicator | s.) |
|-------------|------------------------------|-------------|-------------------|---------|-------------------|------------------|--------------------|-----------------------|--|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | %_ | Color (moist) | % | Type ¹ | Loc ² | Tex | kture | Remarks |
| 0 - 4 | 10YR 4/2 | 100 | 10YR 4/3 | | | | Silty Cl | ay Loam | |
| 4 - 20 | 10YR 4/3 | 70 | 10YR 5/2 | 20 | C | M | Silty Cl | ay Loam | |
| 4 - 20 | | | 10YR 4/6 | 10 | C | M | Silty Cl | ay Loam | |
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| ¹Type: C = | Concentration, D = | Depleti | on, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. 2 | Location: PL = Pore I | ining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Pro | blematic Hydric Soils³: |
| Histoso | ol (A1) | | Polyvalue Be | low S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Su | rface | (S9) (LRR | R, MLR | A 149B) | | Redox (A16) (LRR K, L, R) |
| I | listic (A3) | | Loamy Muck | y Min | eral (F1) | (LRR K, L | _) | | eat or Peat (S3) (LRR K, L, R) |
| , | gen Sulfide (A4) | | Loamy Gleye | | | | | Dark Surface | |
| | ed Layers (A5) | | Depleted Ma | | | | | | ow Surface (S8) (LRR K, L) |
| | ed Below Dark Surf | ace (A1 | | | | | | | face (S9) (LRR K, L) |
| l —— | ark Surface (A12) | | Depleted Da | | |) | | | ese Masses (F12) (LRR K, L, R) |
| | Mucky Mineral (S1) | | Redox Depre | essior | ıs (F8) | | | - | odplain Soils (F19) (MLRA 149B) |
| Sandy | Gleyed Matrix (S4) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| Sandy I | Redox (S5) | | | | | | | Red Parent M | |
| Strippe | ed Matrix (S6) | | | | | | | | Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, I | MLRA 14 | 19B) | | | | | Other (Explain | |
| 3Indicators | of hydrophytic ver | zetation | and wetland hyd | rolom | y must he | a nracan | t unless disturb | ed or problematic. | THI Remainsy |
| | Layer (if observed) | | and Wetland Hyd | olog. | y must be | I | t, arriess distarb | ed of problematic. | |
| Restrictive | • | ,. | None | | | Lludric | Cail Dracant? | , | Was No / |
| | Type: | - | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| No positive | e indication of hydr | ric soils v | was observed. The | e crite | erion for | hydric so | oil is not met. | | |
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Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Fu | ltonville, Montgomery | Sampling Date: 2020-Nov-11 | | |
|-----------------------------------|--|---|---|--|--|
| Applicant/Owner: ConnectGl | EN | State: NY | Sampling Point: W-EHM-01_PEM-2 | | |
| Investigator(s): Elizabeth Mas | si, Giovanni Pambianchi | Section, Township, Range: | · | | |
| Landform (hillslope, terrace, etc | c.): Hillslope | Local relief (concave, convex, none) |): Concave Slope (%): 1 to | | |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.8860564121 Long | | | |
| | n silty clay loam, 0 to 3 percent slopes | | NWI classification: None | | |
| | ons on the site typical for this time of | | no, explain in Remarks.) | | |
| Are Vegetation, Soil | • | | · | | |
| Are Vegetation, Soil | | | iny answers in Remarks.) | | |
| 0 == == | , | , , , , | , | | |
| CLIBARA A DV OF FINIDINICS | Associate associate according | | was a stand factures at a | | |
| SUMMARY OF FINDINGS - | Attach site map snowing samp | ling point locations, transects, i | mportant reatures, etc. | | |
| Hydrophytic Vegetation Preser | nt? Yes <u></u> ✓ No | | | | |
| Hydric Soil Present? | Yes _ ✓ _ No | Is the Sampled Area within a Wetla | nd? Yes <u></u> ✓ No | | |
| Wetland Hydrology Present? | No | If yes, optional Wetland Site ID: | W-EHM-01 | | |
| | · · · · · · · · · · · · · · · · · · · | | VV-L111V1-01 | | |
| Remarks: (Explain alternative p | procedures here or in a separate repo | rt) | | | |
| Covertype is PEM. Area is wetla | and, all three wetland parameters are | present. Circumstances are not norm | nal due to mowing of vegetation. | | |
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| HYDROLOGY | | | | | |
| Wetland Hydrology Indicators: | | | | | |
| | | | | | |
| Primary Indicators (minimum o | of one is required; check all that apply | | ry Indicators (minimum of two required) | | |
| Surface Water (A1) | Water-Stained L | eaves (B9) Surfa | ace Soil Cracks (B6) | | |
| High Water Table (A2) | Aquatic Fauna (I | Drair | nage Patterns (B10) | | |
| Saturation (A3) | Aquatic Fauria (i Marl Deposits (E | MINSS | s Trim Lines (B16) | | |
| | • | 1)r/-9 | Season Water Table (C2) | | |
| Water Marks (B1) | Hydrogen Sulfid | (ravi | fish Burrows (C8) | | |
| Sediment Deposits (B2) | | pheres on Living Roots (C3) Satur | ration Visible on Aerial Imagery (C9) | | |
| Drift Deposits (B3) | Presence of Red | luced Iron (C4) | ted or Stressed Plants (D1) | | |
| Algal Mat or Crust (B4) | | uction in Tilled Soils (C6) | morphic Position (D2) | | |
| Iron Deposits (B5) | Thin Muck Surfa | nce ((/) | ow Aquitard (D3) | | |
| ✓ Inundation Visible on Aeria | ıl Imagery (B7) Other (Explain ir | n Remarks) | • | | |
| Sparsely Vegetated Concav | e Surface (B8) | | otopographic Relief (D4) | | |
| | | FAC-I | Neutral Test (D5) | | |
| Field Observations: | | | | | |
| Surface Water Present? | Yes No _ _/ Dept | h (inches): | | | |
| Water Table Present? | | h (inches): Wetland | I Hydrology Present? Yes _∠_ No | | |
| Water Table Fresent? | | h (inches): Wetland | i nyurology Present: | | |
| Saturation Present? | Yes No 🟒 Dept | h (inches): | | | |
| (includes capillary fringe) | | | | | |
| | m gauga manitaring wall social phot | eas provious inspastions) if availables | | | |
| | am gauge, monitoring well, aerial phot | os, previous irispections), ii available. | | | |
| Aerial imagery shows signs of | wetland signatures | | | | |
| | | | | | |
| | | | | | |
| Remarks: | | | | | |
| The criterion for wetland bydro | ology is met. A positive indication of w | etland hydrology was observed (prim | ary and secondary indicators were prese | | |
| The criterion for wetland hydro | ology is friet. A positive indication of w | retiand hydrology was observed (prim | ially and secondary indicators were prese | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test work: Number of Dominant | Species That | 1 | (A) |
|--|-------------|----------------------|---------------------|---|---------------|-------------------|---------------|
| 1 2 | | | | Are OBL, FACW, or FACT Total Number of Dom Across All Strata: | | 1 | (B) |
| 3. 4. | | | | Percent of Dominant S Are OBL, FACW, or FAC | • | 100 | (A/B) |
| 5 | | | | Prevalence Index work | | | |
| 6 | | | | Total % Cove | | Multiply I | Bv: |
| 7 | | | | OBL species | 0 | x 1 = | 0 |
| | 0 | _= Total Cove | er | FACW species | 90 | x 2 = | 180 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x 3 = | 0 |
| 1 | | | | FACU species | 0 | x 4 = | 0 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3 | | | | Column Totals | 90 | (A) | 180 (B) |
| 4 | | | | Prevalence I | ndex = B/A = | 2 _ | (-) |
| 5 | | | | Hydrophytic Vegetation | | | |
| 6 | | | | ✓ 1- Rapid Test for | | /egetation | |
| 7 | | | | ✓ 2 - Dominance Te | | egetation | |
| | 0 | = Total Cove | er | ✓ 3 - Prevalence In | | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphologica | | l (Provide s | supporting |
| 1. <i>Phalaris arundinacea</i> | 90 | Yes | FACW | data in Remarks or on | | - | supporting |
| 2 | | | | Problematic Hyd | - | | nlain) |
| 3. | | | | ¹Indicators of hydric se | | | • |
| 4. | | <u> </u> | | present, unless distur | | - | sy mast be |
| 5. | | | | Definitions of Vegetati | | | |
| 6. | | | | Tree – Woody plants 3 | | more in c | liameter at |
| 7. | - | | | breast height (DBH), re | | | alarricter at |
| 8. | | | | Sapling/shrub - Wood | _ | _ | BH and |
| 9. | | | | greater than or equal | | | |
| 10. | | | | Herb – All herbaceous | | | ardless of |
| | | | | size, and woody plants | - | | , |
| 12. | | | | Woody vines - All woo | dy vines grea | ter than 3. | 28 ft in |
| 12. | 90 | = Total Cove | | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | 90 | _ TOLAT COVE | = 1 | Hydrophytic Vegetation | on Present? \ | ∕es <u> </u> ✓ N | 0 |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3. | | | | | | | |
| | - —— | | | | | | |
| 4 | | | | | | | |
| | 0 | _= Total Cove | er ——— | | | | |
| Remarks: (Include photo numbers here or on a separa A positive indication of hydrophytic vegetation was observed (Prevalence Inde Hydrophytic Vegetation). | served (>50 | | | | | | |

| Profile Des | cription: (Describe | to the | depth needed to | docun | nent the | indicato | r or confirm the a | absence of in | ndicators.) |
|-------------------------|-------------------------------------|---------|--------------------|--------|-------------------|------------------|--------------------|---------------|--|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | e | Remarks |
| 0 - 6 | 2.5Y 2.5/1 | 90 | 10YR 5/8 | 10 | C | М | Clay Loa | am | Compacted |
| 6 - 14 | 2.5Y 3/1 | 90 | 10YR 5/8 | 10 | С | М | Clay Loa | am | · |
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| | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. 2 | | = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators | for Problematic Hydric Soils³: |
| Histoso | | | Polyvalue Be | | | | | 2 cm N | Muck (A10) (LRR K, L, MLRA 149B) |
| | oipedon (A2) | | Thin Dark Su | | | | | Coast | Prairie Redox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Mucl | | | (LRR K, | L) | 5 cm N | Mucky Peat or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | | | Dark S | surface (S7) (LRR K, L) |
| | d Layers (A5) d Below Dark Surfa | aca (A1 | Depleted Ma | | | | | Polyva | llue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | 17) 936 | Depleted Da | | |) | | | ark Surface (S9) (LRR K, L) |
| | Aucky Mineral (S1) | | Redox Depr | | | , | | Iron-N | langanese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | Redox Bepi | C33101 | 13 (10) | | | Piedm | ont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | | Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | | arent Material (F21) |
| | urface (S7) (LRR R, M | AI DA 1 | /OR) | | | | | - | hallow Dark Surface (TF12) |
| Daik 30 | 111ace (37) (ERR R, W | ILIVA I | 490) | | | | | Other | (Explain in Remarks) |
| ³ Indicators | of hydrophytic veg | etatior | n and wetland hyd | Irolog | y must b | e preser | nt, unless disturb | ed or proble | matic. |
| Restrictive | Layer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | , | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| | ndication of hydric | soil wa | as observed. The o | riteri | on for hv | dric soil | is met. | | |
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Vegetation Photos



Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Ful | tonville, Montgomery | Sampling Date: 2020-Nov-11 | | | |
|-------------------------------------|---|--|--------------------------------|-----------------------|--|--|
| Applicant/Owner: ConnectGEI | N | State: NY | Sampling Point: W-E | HM-01_PFO-1 | | |
| Investigator(s): Elizabeth Masi, | , Giovanni Pambianchi | Section, Township, Rang | ge: | | | |
| Landform (hillslope, terrace, etc.) |): Flood Plain | Local relief (concave, convex, n | one): Concave | Slope (%): 0 to 1 | | |
| Subregion (LRR or MLRA): L | RR L | Lat: 42.8863842802 I | Long: -74.3894364125 | Datum: WGS84 | | |
| Soil Map Unit Name: Fonda m | nucky silty clay loam | | NWI classification | n: None | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of y | rear? Yes _✓_ No | (If no, explain in Remarks.) | | | |
| Are Vegetation, Soil, | or Hydrology significantly d | listurbed? Are "Normal Cir | cumstances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology naturally prol | olematic? (If needed, expla | ain any answers in Remarks | i.) | | |
| | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampl | ing point locations, transec | ts, important features, | etc. | | |
| Hydrophytic Vegetation Present | :? Yes <u></u> ✓ No | | | | | |
| Hydric Soil Present? | Yes <u> </u> | Is the Sampled Area within a W | /etland? Ves | No | | |
| | | i | | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Site ID | : VV-E | EHM-01 | | |
| · · | ocedures here or in a separate repor | | | | | |
| Covertype is PFO. Area is wetlan | ıd, all three wetland parameters are រ | oresent. | | | | |
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| HYDROLOGY | | | | | | |
| Wetland Hydrology Indicators: | | | | | | |
| | f one is required; check all that apply | Seco | ondary Indicators (minimum | of two required) | | |
| Trimary maleators (minimam or | one is required, effect all triat apply. | | Surface Soil Cracks (B6) | rortwo required; | | |
| ∕ Surface Water (A1) | <u></u> Water-Stained Le | eaves (B9) | Orainage Patterns (B10) | | | |
| <u>✓</u> High Water Table (A2) | ⁄ Aquatic Fauna (B | (13) V N | Moss Trim Lines (B16) | | | |
| <u>✓</u> Saturation (A3) | Marl Deposits (B | 15) | Dry-Season Water Table (C2 |) | | |
| <u>✓</u> Water Marks (B1) | Hydrogen Sulfide | e Odor (CT) | Crayfish Burrows (C8) | , | | |
| Sediment Deposits (B2) | · | oneres on Living Roots (C3) | Saturation Visible on Aerial I | magery (C9) | | |
| Drift Deposits (B3) | Presence of Red | uced Iron (C4) | Stunted or Stressed Plants (| | | |
| ✓ Algal Mat or Crust (B4) | | action in Tilled Soils (C6) | Geomorphic Position (D2) | • | | |
| Iron Deposits (B5) | Thin Muck Surface | ce (C7) | Shallow Aquitard (D3) | | | |
| Inundation Visible on Aerial | · · · · · · · · · · · · · · · · · · · | Remarks)✓ N | Microtopographic Relief (D4 |) | | |
| Sparsely Vegetated Concave | Surface (B8) | | AC-Neutral Test (D5) | · | | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No Dept | h (inches): | | | | |
| Water Table Present? | Yes No Dept | h (inches): 0 Wet | land Hydrology Present? | Yes No | | |
| Saturation Present? | Yes No Dept | h (inches): | | | | |
| (includes capillary fringe) | | | | | | |
| | n gauge, monitoring well, aerial photo | os previous inspections) if availa | hle. | | | |
| Describe Recorded Data (stream | in gauge, monitoring wen, aeriai priot | os, previous irispections, ir availa | ibic. | | | |
| | | | | | | |
| | | | | | | |
| Remarks: | | | | | | |
| The criterion for wetland hydrol | logy is met. A positive indication of w | etland hydrology was observed (| primary and secondary indi | cators were present). | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksho | | | |
|--|----|--------------|--------|---|--------------|--------------|-------------|
| | | Species? | Status | Number of Dominant Sp | ecies That | 6 | (A) |
| 1. <u>Ulmus americana</u> | 20 | Yes | FACW | Are OBL, FACW, or FAC: Total Number of Domina | nt Chasias | | |
| 2. Fraxinus nigra | 15 | Yes | FACW | Across All Strata: | int species | 6 | (B) |
| 3. Acer saccharinum | 15 | Yes | FACW | Percent of Dominant Spe | ecies That | | |
| 4 | | | | Are OBL, FACW, or FAC: | cies mac | 100 | (A/B) |
| 5 | | | | Prevalence Index worksh | neet: | | |
| 6 | | | | Total % Cover o | <u>f:</u> | Multiply | By: |
| 7 | | | | OBL species | 10 | x 1 = | 10 |
| | 50 | = Total Cov | er | FACW species | 75 | x 2 = | 150 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x 3 = | 0 |
| 1. Cornus amomum | 10 | Yes | FACW | FACU species | 0 | x 4 = | 0 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3 | | | | Column Totals | 85 | (A) | 160 (B) |
| 4 | | | | Prevalence Ind | | 1.9 | 100 (b) |
| 5 | | | | - | | | |
| 6 | | | | Hydrophytic Vegetation | | logotation | |
| 7 | | | | 1- Rapid Test for Hy | | regetation | 1 |
| | 10 | = Total Cov | er | ✓ 2 - Dominance Test | | | |
| Herb Stratum (Plot size: 5 ft) | | _ | | ✓ 3 - Prevalence Inde | | l (Duan dala | |
| 1. Lysimachia nummularia | 15 | Yes | FACW | 4 - Morphological A dața in Remarks or on a | | | supporting |
| 2. Scirpus cyperinus | 10 | Yes | OBL | Problematic Hydro | - | | vnlain) |
| 3. | | | | ¹ Indicators of hydric soil | - | | - |
| 4. | | | | present, unless disturbe | | , | gy must be |
| 5. | | | | Definitions of Vegetation | | | |
| 6. | | | | Tree – Woody plants 3 in | | more in | diameter at |
| 7. | | | | breast height (DBH), rega | | | alameter at |
| 8. | | | | Sapling/shrub - Woody p | | _ | DBH and |
| 9. | | | | greater than or equal to | 3.28 ft (1 m |) tall. | |
| 10. | | | | Herb – All herbaceous (n | on-woody) | plants, re | gardless of |
| 10 11 | | | | size, and woody plants le | ess than 3.2 | 8 ft tall. | |
| 12. | | | | Woody vines - All woody | vines grea | ter than 3 | .28 ft in |
| | 25 | = Total Cov | er | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | | - 10101 COV | Ci | Hydrophytic Vegetation | Present? | ⁄es <u> </u> | No |
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| * | | - Total Carr | or | | | | |
| | | = Total Cov | eı | | | | |

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

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

| Profile Desc | cription: (Describe | to the | depth needed to d | docun | nent the | indicato | or confirm the a | absence of indicators.) |) |
|---------------|------------------------------|----------|--------------------|--------|-------------------|-----------------|-----------------------------|-------------------------|---------------------------------------|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Te | exture | Remarks |
| 0 - 14 | 2.5Y 4/1 | | 10YR 5/8 | 20 | С | | Gravelly | y Clay Loam | |
| | | | | | | | | | |
| | | _ | | | | - | | _ | |
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| | | | | | | | | | |
| ¹Type: C = 0 | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² L | Location: PL = Pore Lir | ning, M = Matrix. |
| Hydric Soil | | | , | | · · | | | | lematic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | elow 9 | Surface (S | 88) (LRR | R. MLRA 149B) | | • |
| | oipedon (A2) | | Thin Dark Su | | | | · · | | 0) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Mucl | | | | | | edox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | - | | | , | • | at or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | ✓ Depleted Ma | | | | | Dark Surface (S | |
| Deplete | d Below Dark Surfa | ace (A1 | 1) Redox Dark | Surfa | ce (F6) | | | , | w Surface (S8) (LRR K, L) |
| Thick Da | ark Surface (A12) | | Depleted Da | ırk Su | rface (F7 |) | | Thin Dark Surfa | |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essio | ns (F8) | | | | e Masses (F12) (LRR K, L, R) |
| Sandy G | Gleyed Matrix (S4) | | | | | | | | dplain Soils (F19) (MLRA 149B) |
| Sandy R | Redox (S5) | | | | | | | | A6) (MLRA 144A, 145, 149B) |
| _ | d Matrix (S6) | | | | | | | Red Parent Mat | |
| | ırface (S7) (LRR R, N | /II RA 1 | 49B) | | | | | Very Shallow Da | |
| | | | , | | | | | Other (Explain i | in Remarks) |
| 3Indicators | of hydrophytic veg | etatio | n and wetland hyd | rolog | y must b | e preser | t, unless disturb | ed or problematic. | |
| Restrictive I | Layer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. | | |
| , , positive | nareación or riyarre | 50 | as 0.55c. veare c | | y | uc 50 | .5 | | |
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Hydrology Photos



Vegetation Photos



Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery | Sampling Date: 2020-Nov-11 | | | |
|--|--------------------------|--|-----------------------------|-----------------------------|---|---------------------|--|
| Applicant/Owner: Connecto | GEN | | State: NY | | Sampling Point: W-El | HM-01_UPL-1 | |
| Investigator(s): Elizabeth M | asi, Giovanni Pambian | chi | Section, Township, | Range: | | | |
| Landform (hillslope, terrace, e | tc.): Hillslope | | Local relief (concave, conv | ex, none): | Convex | Slope (%): 1 to 10 | |
| Subregion (LRR or MLRA): | LRR L | | Lat: 42.885795627 | 8 Long: | -74.3893001958 | Datum: WGS84 | |
| Soil Map Unit Name: Mada | in silty clay loam, 0 to | 3 percent slopes | | | NWI classificatio | n: None | |
| Are climatic/hydrologic condit | ions on the site typical | for this time of ye | ar? Yes <u>✓</u> No | (If no | o, explain in Remarks.) | | |
| Are Vegetation, Soil | _, or Hydrology _ | significantly dis | sturbed? Are "Norm | al Circumst | tances" present? | Yes No | |
| Are Vegetation, Soil | _, or Hydrology _ | naturally probl | ematic? (If needed, | explain any | y answers in Remarks | .) | |
| SUMMARY OF FINDINGS | - Attach site map s | showing sampli | ng point locations, trar | nsects, im | nportant features, | etc. | |
| Hydrophytic Vegetation Prese | ent? Yes _ | No <u>_</u> | | | | | |
| Hydric Soil Present? | Yes _ | No _ _ _ | Is the Sampled Area withi | n a Wetland | d? Ye: | s No⁄_ | |
| Wetland Hydrology Present? | Yes | No / _ | If yes, optional Wetland S | ite ID: | | | |
| Remarks: (Explain alternative | | | | | · | | |
| | | | | | | | |
| HYDROLOGY Wetland Hydrology Indicators | S: | | | | | | |
| Primary Indicators (minimum | | eck all that apply) | | Secondary | y Indicators (minimum | of two required) | |
| | · | | | - | e Soil Cracks (B6) | | |
| Surface Water (A1) | | Water-Stained Lea | | | age Patterns (B10) | | |
| High Water Table (A2) Saturation (A3) | | Aquatic Fauna (B1 Marl Deposits (B1 | | Moss T | Trim Lines (B16) | | |
| Saturation (A5) Water Marks (B1) | | Hydrogen Sulfide | | Dry-Season Water Table (C2) | | | |
| Sediment Deposits (B2) | | | neres on Living Roots (C3) | Crayfish Burrows (C8) | | | |
| Drift Deposits (B3) | | Presence of Redu | • | | ition Visible on Aerial I | | |
| Algal Mat or Crust (B4) | | | ction in Tilled Soils (C6) | | ed or Stressed Plants (I | D1) | |
| Iron Deposits (B5) | | Thin Muck Surface | e (C7) | | orphic Position (D2) | | |
| Inundation Visible on Aeri | al Imagery (B7) | Other (Explain in F | Remarks) | | w Aquitard (D3) | ١ | |
| Sparsely Vegetated Conca | ve Surface (B8) | | | | copographic Relief (D4) eutral Test (D5) |) | |
| Field Observations: | | | | | 2414. 1051 (23) | | |
| Surface Water Present? | Yes No | ✓ Depth | (inches): | | | | |
| Water Table Present? | Yes No | | (inches): | - Wetland F | Hydrology Present? | Yes No _ _ ∠ | |
| | | | · | - Welland i | lydrology Fresent: | 105110 | |
| Saturation Present? | Yes No _ | <u>√</u> Deptn | (inches): | - | | | |
| (includes capillary fringe) | | | | | | | |
| Remarks: The criterion for wetland hyd | | | | | | | |
| | | | | | | | |

| | | | | T | | |
|--|------------|-------------|---------------|---|-----------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | That | |
| 1. | % Cover | Species? | Status | Number of Dominant Species Are OBL, FACW, or FAC: | o o | (A) |
| 2. | | | | Total Number of Dominant Sp | ecies | |
| 3. | | | | Across All Strata: | 2 | (B) |
| 4. | | | | Percent of Dominant Species 1 | hat 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (A/B) |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | <u>Multiply</u> | By: |
| · | | = Total Cov | | OBL species 0 | x 1 = | 0 |
| Capling/Chruh Stratum (Plot size) 15 ft | | _ TOTAL COV | ei | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 25 | x 4 = | 100 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 25 | (A) | 100 (B) |
| 4 | | | | Prevalence Index = E | 3/A =4 | _ |
| 5 | - —— | | | Hydrophytic Vegetation Indica | ors: | |
| 6 | | | | 1- Rapid Test for Hydroph | | 1 |
| 7 | | | | 2 - Dominance Test is > 5 | - | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adapta | | supporting |
| 1. Krigia caespitosa | 20 | Yes | FACU | data in Remarks or on a separ | | supporting |
| 2. <i>Galium circaezans</i> | 5 | Yes | FACU | Problematic Hydrophytic | | xplain) |
| 3 | | | | ¹Indicators of hydric soil and w | | |
| 4 | | | | present, unless disturbed or p | - | 8, |
| 5. | | | | Definitions of Vegetation Strat | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 | | diameter at |
| 7. | | | | breast height (DBH), regardles | | |
| 8. | | | | Sapling/shrub - Woody plants | _ | DBH and |
| 9. | | | | greater than or equal to 3.28 f | (1 m) tall. | |
| 10. | | | | Herb – All herbaceous (non-wo | ody) plants, re | gardless of |
| 11. | | | | size, and woody plants less tha | n 3.28 ft tall. | |
| 12. | | | | Woody vines – All woody vines | greater than 3 | .28 ft in |
| | 25 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | - 10101 COV | Ci | Hydrophytic Vegetation Prese | nt? Yes ۱ | No <u> </u> |
| 1. | | | | | | |
| ? | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 4. | | = Total Cov | | | | |
| | 0 | _ 10tal Cov | er | | | |
| Remarks: (Include photo numbers here or on a separa | te sheet.) | | | | | |
| No positive indication of hydrophytic vegetation was o | bserved (≥ | 50% of don | ninant specie | es indexed as FAC– or drier). | | |
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| Depth (inches) Matrix 0 - 10 10YR 4/3 | % 60 | Color (moist) 10YR 5/8 | % 30 | Type ¹ | Loc² | Texture | <u> </u> | Remarks |
|---|-------------|------------------------|----------|-------------------|--------------------|-----------------------------|----------------------|--|
| | | | _ | Турс | | | | |
| | | 1011(3/0 | | | | Clay Loa | | Remarks |
| | | | | | | Ciay Loa | | |
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| ¹ Type: C = Concentration, D = De | epletio | on, RM = Reduce | d Mat | rix, MS = | Masked S | Sand Grains. ² L | ocation: PL = Pore L | Lining, M = Matrix. |
| Hydric Soil Indicators: | | | | | | | Indicators for Pro | oblematic Hydric Soils³: |
| Histosol (A1) | | Polyvalue Be | elow S | urface (S | 8) (LRR R , | , MLRA 149B) | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Histic Epipedon (A2) | | Thin Dark Su | ırface | (S9) (LRF | R, MLRA | 149B) | | Redox (A16) (LRR K, L, R) |
| Black Histic (A3) | | Loamy Mucl | | | | | | eat or Peat (S3) (LRR K, L, R) |
| Hydrogen Sulfide (A4) | | Loamy Gleye | ed Ma | trix (F2) | | | Dark Surface | |
| Stratified Layers (A5) | | Depleted Ma | atrix (I | 3) | | | | ow Surface (S8) (LRR K, L) |
| Depleted Below Dark Surface | e (A11 |) Redox Dark | Surfa | ce (F6) | | | • | face (S9) (LRR K, L) |
| Thick Dark Surface (A12) | | Depleted Da | | |) | | | ese Masses (F12) (LRR K, L, R) |
| Sandy Mucky Mineral (S1) | | Redox Depr | essior | ıs (F8) | | | - | odplain Soils (F19) (MLRA 149B) |
| Sandy Gleyed Matrix (S4) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| Sandy Redox (S5) | | | | | | | Red Parent M | |
| Stripped Matrix (S6) | | | | | | | | Dark Surface (TF12) |
| Dark Surface (S7) (LRR R, ML | RA 14 | 9B) | | | | | Other (Explain | |
| ³ Indicators of hydrophytic veget | ation | and wetland by | rolog | , must b | n procent | unloss disturbo | • | ,,, |
| | ation | and Wetland Hyd | i olog | y must bi | l present | , uriless disturbe | d of problematic. | |
| Restrictive Layer (if observed): | | Nama | | | l badaia C | ail Duanama | V | No. 4 |
| Type: | | None | | | Hydric S | oil Present? | res | No / _ |
| Depth (inches): | | | | | | | | |
| Remarks: No positive indication of hydric | soils v | vas observed. Th | e crite | erion for | hydric soi | il is not met. | | |

Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Ful | tonville, Montgomery | Sampling Date: 2020-Nov-13 | | | |
|------------------------------------|--|---------------------------------|----------------------------|------------------------------|--|--|
| Applicant/Owner: ConnectGe | n | State: NY | Sampling Poin | t:W-EHM-02_PEM-1 | | |
| Investigator(s): Elizabeth Masi | i, Giovanni Pambianchi | Section, Township, | Range: | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, conve | ex, none): Concave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.8896643342 | Long: -74.39310093 | 26 Datum: WGS84 | | |
| Soil Map Unit Name: Mohawk | silt loam, 15 to 25 percent slopes | | NWI class | sification: None | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of y | | (If no, explain in Re | marks.) | | |
| Are Vegetation, Soil, | or Hydrology significantly d | | l Circumstances" presen | t? Yes 🟒 No | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | olematic? (If needed, e | explain any answers in R | emarks.) | | |
| | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampl | ing point locations, tran | sects, important feat | tures, etc. | | |
| Hydrophytic Vegetation Present | t? Yes <u></u> ✓ No | | <u> </u> | | | |
| Hydric Soil Present? | Yes <u>✓</u> No | Is the Sampled Area within | a Wotland? | Voc. / No | | |
| | | · | | Yes/_ No | | |
| Wetland Hydrology Present? | Yes _ ✓ _ No | If yes, optional Wetland Sit | te ID: | W-EHM-02 | | |
| Remarks: (Explain alternative pr | rocedures here or in a separate repor | t) | | | | |
| Covertyne is PEM. Area is wetla | nd, all three wetland parameters are | nresent | | | | |
| Covertype is PEIVI. Area is Wellai | nu, an unee wedanu parameters are | present. | | | | |
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| HYDROLOGY | | | | | | |
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| Wetland Hydrology Indicators: | | | | | | |
| Primary Indicators (minimum of | f one is required; check all that apply) | | Secondary Indicators (m | inimum of two required) | | |
| Timaly marcacors (minimam of | one is required, effect all triat apply) | | = | • | | |
| Surface Water (A1) | Water-Stained Le | aves (B9) | Surface Soil Cracks (E | - | | |
| High Water Table (A2) | Aquatic Fauna (B | 13) | Drainage Patterns (B | | | |
| ✓ Saturation (A3) | Marl Deposits (B | | Moss Trim Lines (B16 | | | |
| Water Marks (B1) | Hydrogen Sulfide | | Dry-Season Water Ta | | | |
| Sediment Deposits (B2) | , , | heres on Living Roots (C3) | Crayfish Burrows (C8 | | | |
| Drift Deposits (B3) | Presence of Redu | • | Saturation Visible on | Aerial Imagery (C9) | | |
| Algal Mat or Crust (B4) | | iction in Tilled Soils (C6) | Stunted or Stressed I | Plants (D1) | | |
| | | | ✓ Geomorphic Position | ı (D2) | | |
| Iron Deposits (B5) | Thin Muck Surfac | | Shallow Aquitard (D3 | 3) | | |
| ✓ Inundation Visible on Aerial | - | Remarks) | Microtopographic Re | | | |
| Sparsely Vegetated Concave | Surface (B8) | | ✓ FAC-Neutral Test (D5) | | | |
| F. I. O | | | _V FAC-Neutral lest (D5) |) | | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No Depth | n (inches): | | | | |
| Water Table Present? | Yes No 🟒 Depth | n (inches): | Wetland Hydrology Pres | ent? Yes No | | |
| Saturation Present? | Yes <u></u> ✓ No Depth | n (inches): 10 | | | | |
| (includes capillary fringe) | | | | | | |
| | | | | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial photo | os, previous inspections), if a | vailable: | | | |
| • | | | | | | |
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| | | | | | | |
| Remarks: | | | | | | |
| The criterion for wetland hydrol | logy is met. A positive indication of we | atland hydrology was observ | ed (primary and second | any indicators were present) | | |
| The criterion for wedand hydrol | logy is filet. A positive indication of we | etianu nyunology was observ | ed (primary and second | ary mulcators were present). | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test work | | | |
|---|-----------|--------------|-------------|---|-----------------|--------------|--------------|
| 1. | % Cover | Species? | Status | Number of Dominant Are OBL, FACW, or FA | • | 1 | (A) |
| 2. | | | | Total Number of Dom Across All Strata: | inant Species | 1 | (B) |
| 3. 4. | | | | Percent of Dominant Are OBL, FACW, or FA | • | 100 | (A/B) |
| 5 | | | | Prevalence Index wor | | | _ |
| 6 | | | | Total % Cove | | Multiply E | Bv: |
| 7 | | | | OBL species | 0 | x 1 = | 0 |
| | 0 | = Total Cove | er | FACW species | 100 | x 2 = | 200 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x3= | 0 |
| 1 | | | | FACU species | 0 | x 4 = | 0 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 100 | (A) | 200 (B) |
| 4. | | | | | Index = B/A = | (A) _ | 200 (Б) |
| 5. | | | | - | | | |
| 6. | | | | Hydrophytic Vegetation | | | |
| 7. | | | | 1- Rapid Test for | | egetation/ | |
| | 0 | = Total Cove | er | 2 - Dominance T | | | |
| Herb Stratum (Plot size: 5 ft) | | - | | 3 - Prevalence Ir | | | |
| 1. Phalaris arundinacea | 100 | Yes | FACW | 4 - Morphologica | | | upporting |
| 2. | 100 | | 171011 | data in Remarks or or | - | | |
| 3. | · —— | | | Problematic Hyd | | | |
| | | | | ¹Indicators of hydric s | | | y must be |
| 4. | | | | present, unless distur | ' | matic | |
| 5 | | | | Definitions of Vegetat | | | |
| 6 | | | | Tree – Woody plants 3 | | | iameter at |
| 7 | | | | breast height (DBH), r | • | _ | |
| 8 | | | | Sapling/shrub - Wood | | | BH and |
| 9 | | | | greater than or equal | | | |
| 10 | | | | Herb – All herbaceous | - | | ardless of |
| 11 | | | | size, and woody plant | | | 20.6: |
| 12 | | | | Woody vines – All woo | ody vines great | ter than 3.2 | 28 ft in |
| | 100 | = Total Cove | er | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | | _ | | Hydrophytic Vegetati | ion Present? \ | res 🔽 No | 0 |
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| | 0 | = Total Cove | er | | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | | | | |
| A positive indication of hydrophytic vegetation was obs | |)% of domin | ant species | indexed as OBL. FACW. | or FAC). A pos | itive indica | tion of |
| hydrophytic vegetation was observed (Prevalence Inde | | | | | | | |
| Hydrophytic Vegetation). | | | | , | | | |
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| Profile Des | cription: (Describe t | to the | depth needed to | | | indicato | r or confirm the al | bsence of indicators.) |
|-------------------|------------------------------|------------|---------------------------|----------|-------------------|------------------|---------------------|--|
| - | | 04 | | | | 1002 | Toytura | Domarko |
| (inches) 0 - 6 | Color (moist) | <u>%</u> | Color (moist) 10YR 4/6 | <u>%</u> | Type ¹ | Loc ² | Texture | Remarks Remarks |
| | 10YR 3/1 | 90 | | 10 | | | Silty Clay | |
| 6 - 16 | 10YR 4/1 | 90 | 10YR 5/8 | 10 | | | Silty Clay | |
| | | - — | | | | | | |
| | | - — | | | | | | |
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| | - | | | _ | | | | |
| ¹Tvne: C = 0 | Concentration, D = I | Denlet | ion RM = Reduce | d Mat | rix MS = | Masked | Sand Grains 21 | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | | Depiet | ion, Rivi – Reduce | u iviat | 112, 1015 - | Maskea | Sana Granis. L | Indicators for Problematic Hydric Soils ³ : |
| 1 | | | Dobavaluo D | ا بدرهام | urfaca (C | -0\ /I DD | D MI DA 140D) | indicators for Problematic Hydric soils. |
| Histoso | pipedon (A2) | | Polyvalue Bi | | | | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Mucl | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | | | (LKK K, I | -) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted M | | | | | Dark Surface (S7) (LRR K, L) |
| | d Below Dark Surfa | ace (A1 | • | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | (, | Depleted Da | | |) | | Thin Dark Surface (S9) (LRR K, L) |
| l —— | Mucky Mineral (S1) | | Redox Depr | | - | , | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | | | (/ | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | urface (S7) (LRR R, M | II DA 1 | /OR) | | | | | Very Shallow Dark Surface (TF12) |
| Dark 30 | 111ace (37) (LKK K, W | ILIVA I | 430) | | | | | Other (Explain in Remarks) |
| | of hydrophytic veg | | n and wetland hyd | Irolog | y must b | e preser | t, unless disturbe | d or problematic. |
| Restrictive | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery | Sampling Date: 2020-Nov-13 | | | |
|--|---|-----------------------|--------------------------------|----------------------------|---|--------------------|--|
| Applicant/Owner: Conne | ectGEN | | State: NY | Samp | pling Point: W-EHM | 1-02_UPL-1 | |
| Investigator(s): Elizabeth | Masi, Giovanni Pambiar | nchi | Section, Township, | Range: Glen To | ownship | | |
| Landform (hillslope, terrace | e, etc.): Hillslope | | Local relief (concave, conv | ex, none): Con | vex | Slope (%): 1 to 10 | |
| Subregion (LRR or MLRA): | LRR L | | Lat: 42.889638037 | 8 Long: -74.3 | 3930965867 D | Datum: WGS84 | |
| Soil Map Unit Name: Mo | hawk silt loam, 15 to 25 | percent slopes | | | NWI classification: | None | |
| Are climatic/hydrologic con | • | - | | (If no, exp | olain in Remarks.) | | |
| Are Vegetation, Soil | ✓ or Hydrology _ | significantly dis | sturbed? Are "Norma | al Circumstance | s" present? Ye | s No _ _ _ | |
| Are Vegetation, Soil | , or Hydrology _ | naturally probl | ematic? (If needed, | explain any ans | swers in Remarks.) | | |
| | | | | | | | |
| SUMMARY OF FINDING | S – Attach site map | showing sampli | ng point locations, trar | nsects, impor | tant features, etc | c. | |
| Hydrophytic Vegetation Pr | esent? Yes | No | | | | | |
| Hydric Soil Present? | | No | Is the Sampled Area within | n a Watland? | Voc | No⁄_ | |
| | | | i · | | 163 _ | | |
| Wetland Hydrology Preser | · | No | If yes, optional Wetland Si | te ID: | | | |
| Remarks: (Explain alternat | • | | | | | | |
| , , , | • | | e present. Circumstances a | re not normal d | lue to agricultural a | ctivities. | |
| Circumstances are not nor | mal due to mowing of ve | egetation. | | | | | |
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| HYDROLOGY | | | | | | | |
| | | | | | | | |
| Wetland Hydrology Indicat | | | | | | | |
| Primary Indicators (minim | um of one is required; ch | neck all that apply) | | Secondary Indi | icators (minimum of | f two required) | |
| Surface Water (A1) | | _ Water-Stained Lea | aves (B9) | Surface Soi | l Cracks (B6) | | |
| High Water Table (A2) | | _ Aquatic Fauna (B1 | | Drainage Pa | | | |
| Saturation (A3) | | _ Marl Deposits (B1 | | Moss Trim Lines (B16) | | | |
| Water Marks (B1) | | _ Hydrogen Sulfide | | • | son Water Table (C2) | | |
| Sediment Deposits (B2 | _ | _ Oxidized Rhizosph | neres on Living Roots (C3) | • | Burrows (C8) on Visible on Aerial Imagery (C9) | | |
| Drift Deposits (B3) | _ | _ Presence of Redu | ced Iron (C4) | | | | |
| Algal Mat or Crust (B4) | _ | _ Recent Iron Reduc | ction in Tilled Soils (C6) | | Stressed Plants (D1) |) | |
| Iron Deposits (B5) | _ | _ Thin Muck Surface | e (C7) | | ic Position (D2) | | |
| Inundation Visible on A | erial Imagery (B7) | _ Other (Explain in I | Remarks) | Shallow Aqu | | | |
| Sparsely Vegetated Co | ncave Surface (B8) | | | | graphic Relief (D4) | | |
| Field Observations: | | | | FAC-Neutra | ii iest (D5) | | |
| Field Observations: Surface Water Present? | Yes No _ | / Donth | (inches): | | | | |
| | | | (inches): | .[| | | |
| Water Table Present? | Yes No _ | | (inches): | Wetland Hydro | ology Present? | Yes No | |
| Saturation Present? | Yes No _ | <u>✓</u> Depth | (inches): | | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (s | tream gauge, monitorin | g well, aerial photo: | s, previous inspections), if a | available: | | | |
| | | • | | | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| The criterion for wetland h | iydrology is not met. No | positive indication | of wetland hydrology was o | observed. | | | |
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| Trop Stratum (Blot cize: 20 ft) | Absolute | Dominant | Indicator | Dominance Test works | heet: | | |
|---|----------|--------------|-----------|---|-----------------|--------------------------------------|-------------------------|
| T <u>ree Stratum</u> (Plot size: <u>30 ft</u>) 1. | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC | • | 0 | (A) |
| 2. | | | | Total Number of Domi | nant Species | 1 | (B) |
| 3. | | | | Across All Strata: | | | (b) |
| 1. | | | | Percent of Dominant S | • | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC | | | |
| i. | | | | Prevalence Index work | | Multiply | Dve |
| <i>'</i> . | | | | Total % Cover OBL species | <u>01.</u> 0 | $\frac{\text{Multiply}}{\times 1} =$ | <u>-Бу.</u> О |
| | 0 | = Total Cove | er | FACW species | 0 | x 2 = | 0 |
| apling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 0 | x3= | 0 |
| · | | | | FACU species | 100 | x 4 = | 400 |
| 2 | | | | - UPL species | 0 | x 5 = | 0 |
| 3. <u> </u> | | | | Column Totals | 100 | (A) | 400 (B) |
| l | | | | Prevalence Ir | | 4 | 400 (b) |
| 5 | | | | - | | | |
| 5. | | | | Hydrophytic Vegetation | | /+-+: - · | _ |
| 7. | | | | 1- Rapid Test for I | | egetatioi | 1 |
| | 0 | = Total Cove | er | 3 - Prevalence Inc | | | |
| <u>lerb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological | | (Provide | supporting |
| . Dactylis glomerata | 90 | Yes | FACU | - data in Remarks or on | | | Supporting |
| 2. Trifolium repens | 10 | No | FACU | Problematic Hydr | • | | xplain) |
| 3. | | | | Indicators of hydric so | | | • |
| 1. | | | | present, unless disturb | | - | 6) |
| 5. | | | | Definitions of Vegetation | | | |
| 5. | | | | Tree – Woody plants 3 | | more in | diameter at |
| 7. | | | | breast height (DBH), re | gardless of h | eight. | |
| 3. | | | | Sapling/shrub - Woody | plants less tl | nan 3 in. | DBH and |
| 9. | | | | greater than or equal t | o 3.28 ft (1 m |) tall. | |
| 0. | | | | Herb – All herbaceous | - | | gardless of |
| l1. | | | | size, and woody plants | | | |
| 12. | | | | Woody vines – All wood | dy vines great | er than 3 | 3.28 ft in |
| | 100 | = Total Cove | er | height. | | | |
| Noody Vine Stratum (Plot size:30 ft) | | _ | | Hydrophytic Vegetatio | n Present? \ | ⁄es I | No 🟒 |
| l | | | | | | | |
| 2. | | | | - | | | |
| | | | | - | | | |
| 3. | | | | - | | | |
| 3. 4. | | | | = | | | |
| · · - | | = Total Cove | er | | | | |

| Profile Description: (Descri | | • | | | ndicator | or confirm the al | bsence of indicat | tors.) |
|--|---------------|------------------|----------|-------------------|------------------|------------------------------|--------------------|--|
| Depth Matrix | | Redox | | | 12 | T | | Danie auto |
| (inches) Color (moist | | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | | Remarks |
| 0 - 16 10YR 5/3 | 100 | | _ | | | Silt Loam | <u> </u> | |
| | | | _ | | | | | |
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| ¹Type: C = Concentration, I | D = Depletio | n, RM = Reduced | Matı | ix, MS = | Masked | Sand Grains. ² Le | ocation: PL = Por | re Lining, M = Matrix. |
| Hydric Soil Indicators: | | | | | | | Indicators for F | Problematic Hydric Soils³: |
| Histosol (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR F | R, MLRA 149B) | 2 cm Muck | (A10) (LRR K, L, MLRA 149B) |
| Histic Epipedon (A2) | | Thin Dark Su | face | (S9) (LRF | R, MLR | A 149B) | | ie Redox (A16) (LRR K, L, R) |
| Black Histic (A3) | | Loamy Mucky | | | | | | y Peat or Peat (S3) (LRR K, L, R) |
| Hydrogen Sulfide (A4) | | Loamy Gleye | | | | | | ce (S7) (LRR K, L) |
| Stratified Layers (A5) | | Depleted Ma | rix (F | 3) | | | | Below Surface (S8) (LRR K, L) |
| Depleted Below Dark S | urface (A11) | Redox Dark S | urfac | e (F6) | | | | |
| Thick Dark Surface (A12 | 2) | Depleted Dar | k Sui | face (F7) |) | | | Surface (S9) (LRR K, L) |
| Sandy Mucky Mineral (| S1) | Redox Depre | ssion | s (F8) | | | | anese Masses (F12) (LRR K, L, R) |
| Sandy Gleyed Matrix (S | 54) | | | | | | | Floodplain Soils (F19) (MLRA 149B) |
| Sandy Redox (S5) | , | | | | | | • | dic (TA6) (MLRA 144A, 145, 149B) |
| Stripped Matrix (S6) | | | | | | | Red Parent | |
| Dark Surface (S7) (LRR | D MIDA 140 | ופו | | | | | | w Dark Surface (TF12) |
| Dark Surface (37) (LKK | K, WILKA 143 | 7D) | | | | | Other (Expl | lain in Remarks) |
| ³ Indicators of hydrophytic | vegetation a | and wetland hydr | ology | / must b | e presen | t, unless disturbe | d or problemation | с. |
| Restrictive Layer (if observ | ed): | | | | | | | |
| Type: | | None | | | Hydric | Soil Present? | Yes_ | No⁄_ |
| Depth (inches): | . — | | | | ' | | _ | |
| Remarks: | <u> </u> | | | | ı | | | |
| No positive indication of h | ydric soils w | as observed. The | crite | rion for | hydric sc | il is not met. Soil | significantly dist | turbed as a result of tilling. |



Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Ful | tonville, Montgomery | Sampling Date: 2020-Nov-13 | | | | |
|-------------------------------------|---|---------------------------------|------------------------------------|---------------------------|--|--|--|
| Applicant/Owner: ConnectGE | N | State: NY | Sampling Point: V | V-EHM-03_PEM-1 | | | |
| Investigator(s): Elizabeth Masi | , Giovanni Pambianchi | Section, Township, R | Range: Glen Township | | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, conve | x, none): Concave | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: 42.8957239495 | Long: -74.3847395072 | Datum: WGS84 | | | |
| Soil Map Unit Name: IIB- Ilion | silt loam, 3 to 8 percent slopes | | NWI classific | ation: None | | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of y | ear? Yes <u>✓</u> No _ | (If no, explain in Remar | ·ks.) | | | |
| Are Vegetation, Soil, | or Hydrology significantly d | listurbed? Are "Normal | Circumstances" present? | Yes No | | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | olematic? (If needed, e | xplain any answers in Rema | arks.) | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampl | ing point locations, trans | sects, important feature | es, etc. | | | |
| Hydrophytic Vegetation Present | :? Yes <u></u> ✓ No | | | | | | |
| Hydric Soil Present? | Yes <u>✓</u> No | Is the Sampled Area within | a Wetland? | Yes No | | | |
| | | · | | | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Site | e ID: | W-EHM-03 | | | |
| Remarks: (Explain alternative pr | ocedures here or in a separate repor | t) | | | | | |
| Covertype is PEM. Area is wetlan | nd, all three wetland parameters are | present. | | | | | |
| Covertype is I Livi. Area is wellar | ia, an tinee wettaria parameters are | present. | | | | | |
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| IVDDOLOGV | | | | | | | |
| HYDROLOGY | | | | | | | |
| | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | f one is required; check all that apply |) 5 | Secondary Indicators (minim | num of two required) | | | |
| | <u> </u> | | | . <u> </u> | | | |
| Surface Water (A1) | Water-Stained Le | eaves (B9) | Surface Soil Cracks (B6) | | | | |
| High Water Table (A2) | Aquatic Fauna (B | i13) – | Drainage Patterns (B10) | | | | |
| ✓ Saturation (A3) | Marl Deposits (B | | Moss Trim Lines (B16) | | | | |
| Water Marks (B1) | Hydrogen Sulfide | | Dry-Season Water Table | (C2) | | | |
| Sediment Deposits (B2) | , , | oheres on Living Roots (C3) | Roots (C3) — Crayfish Burrows (C8) | | | | |
| Drift Deposits (B3) | Presence of Redu | _ | Saturation Visible on Aer | ial Imagery (C9) | | | |
| Algal Mat or Crust (B4) | | uction in Tilled Soils (C6) | Stunted or Stressed Plan | ts (D1) | | | |
| | | | ✓ Geomorphic Position (D2 | 2) | | | |
| Iron Deposits (B5) | Thin Muck Surface | | Shallow Aquitard (D3) | | | | |
| Inundation Visible on Aerial | | Remarks) | ✓ Microtopographic Relief | (D4) | | | |
| Sparsely Vegetated Concave | Surface (B8) | _ | ✓ FAC-Neutral Test (D5) | · , | | | |
| Field Observations | | | TAC-Neutral rest (D3) | | | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | · | h (inches): | | | | | |
| Water Table Present? | Yes No/ Depti | h (inches): | Wetland Hydrology Present? | Yes No | | | |
| Saturation Present? | Yes 🗸 No Deptl | h (inches): | | | | | |
| (includes capillary fringe) | | | | | | | |
| | | | | | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial photo | os, previous inspections), if a | /ailable: | | | | |
| | | • | | | | | |
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| | | | | | | | |
| Remarks: | | | | | | | |
| The criterion for wetland hydrol | logy is met. A positive indication of w | etland hydrology was obsenu | ad (primary and secondary i | ndicators were present) | | | |
| The criterion for wedand hydror | ogy is met. A positive malcation of w | etiana nyanology was observe | ed (primary and secondary i | indicators were present). | | | |
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| Tree Stratum (Plot size: <u>30 ft</u>) 1. | | Dominant Species? | Indicator Status | Number of Dominant Sp Are OBL, FACW, or FAC: | | 2 | (A) |
|---|-------------|----------------------|---------------------|--|--------------|-----------------|-------------|
| 2. | | | | Total Number of Domina Across All Strata: | nt Species | 2 | (B) |
| 3. | | | | Percent of Dominant Spe Are OBL, FACW, or FAC: | ecies That | 100 | (A/B) |
| 5 | | | | Prevalence Index worksh | neet: | | |
| j | | | | Total % Cover o | <u>f:</u> | Multiply B | v: |
| ⁷ | | | | - OBL species | 50 | x 1 = | 50 |
| | 0 | = Total Cov | er | FACW species | 50 | x 2 = | 100 |
| apling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 0 | x 3 = | 0 |
| · | | | | FACU species | 0 | x 4 = | 0 |
| | | | | - UPL species | 0 | x 5 = | 0 |
| | | | | Column Totals | 100 | (A) | 150 (B) |
| | | | | Prevalence Ind | | 1.5 | 130 (6) |
| | | | | | - | 1.5 | |
| | | | | Hydrophytic Vegetation | | | |
| | | | | 1- Rapid Test for Hy | | egetation | |
| | | = Total Cov | er | ✓ 2 - Dominance Test | | | |
| lerb Stratum (Plot size: <u>5 ft</u>) | | - | | 3 - Prevalence Inde | | | |
| . Carex typhina | 50 | Yes | OBL | 4 - Morphological A | | - | upporting |
| Phalaris arundinacea | 50 | Yes | FACW | data in Remarks or on a | | | |
| 3. | | | | Problematic Hydro | | | |
| · L | | | | Indicators of hydric soil | | , 0. | y must be |
| • | | | | present, unless disturbe | | Hatic | |
| · | | | | Definitions of Vegetation | | | |
| · : | | | | Tree – Woody plants 3 in breast height (DBH), rega | | | ameter at |
| | | | | Sapling/shrub – Woody p | | - | Du and |
| · | | | | greater than or equal to | | | on allu |
| · | | | | Herb – All herbaceous (n | | | ardlass of |
| 0 | | | | size, and woody plants le | , , | | ai diess oi |
| 1 | | | | Woody vines – All woody | | | 8 ft in |
| 2 | | | | height. | viries great | Ci tilaii 5.2 | .0 10 111 |
| | 100 | = Total Cov | er | | Dunnant? \ | /a.a. / N.a | |
| Voody Vine Stratum (Plot size: <u>30 ft</u>) | | | | Hydrophytic Vegetation | Present? | es <u>7</u> IVC |) |
| · | | | | = | | | |
| | | | | | | | |
| 3. | | | | | | | |
| 1. | | | | | | | |
| | 0 | = Total Cov | or | | | | |

Hydrophytic Vegetation).

| Profile Des | • | to the | depth needed to | | | indicato | r or confirm the a | bsence of indicators.) |
|-------------------|------------------------------|----------------|---------------------------|---------------|-------------------|------------------|-----------------------------|--|
| - | Matrix | 0/ | | | | 1002 | Touturo | Domarko |
| (inches) 0 - 6 | Color (moist) 10YR 4/1 | <u>%</u> 95 | Color (moist) 10YR 5/8 | <u>%</u> 5 | Type ¹ | Loc ² | Texture | Remarks Remarks |
| 6 - 16 | | _ | | | | | Silty Clay | |
| 0-10 | 10YR 4/1 | 80 | 10YR 5/8 | 20 | | | Silty Clay | |
| | | - — | | _ | | | | |
| | | - — | | | | | | |
| | | - — | | | | | | |
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| | | | | | | | | |
| ¹Type: C = 0 | Concentration, $D = I$ | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | l (A1) | | Polyvalue Be | elow S | Surface (S | 88) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark S | urface | (S9) (LR F | R R, MLR | A 149B) | Coast Prairie Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Mucl | cy Mir | neral (F1) | (LRR K, | L) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | | | | | Dark Surface (S7) (LRR K, L) |
| | d Layers (A5) | | _ <u>✓</u> Depleted M | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | d Below Dark Surfa | ace (A1 | | | | | | Thin Dark Surface (S9) (LRR K, L) |
| l —— | ark Surface (A12) | | Depleted Da | | |) | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Mucky Mineral (S1) | | Redox Depr | essioi | ns (F8) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | Redox (S5) | | | | | | | Red Parent Material (F21) |
| | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) |
| Dark Su | ırface (S7) (LRR R, N | ILRA 1 | 49B) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etatior | n and wetland hyd | Irolog | y must b | e preser | nt, unless disturbe | d or problematic. |
| Restrictive | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/0 | County: Fultonville, Mo | ntgomery | Sampling Date: 2020-Nov-13 | | | |
|--|------------------------------|-----------------------------------|------------------------|------------------------------------|---------------------|--|--|
| Applicant/Owner: ConnectGE | ١ | | State: NY | Sampling Point: W-E | HM-03_UPL-1 | | |
| Investigator(s): Elizabeth Masi, | Giovanni Pambianchi | Se | ction, Township, Ran | ge: Glen Township | | | |
| Landform (hillslope, terrace, etc.) | : Hillslope | Local relie | f (concave, convex, r | none): Convex | Slope (%): 1 to 10 | | |
| Subregion (LRR or MLRA): | RR L | Lat | 42.8963421015 | Long: -74.3851719512 | Datum: WGS84 | | |
| Soil Map Unit Name: Manhein | າ silt loam, 3 to 8 percent | slopes | | NWI classification | n: None | | |
| Are climatic/hydrologic condition | s on the site typical for th | nis time of year? | Yes 🟒 No | _ (If no, explain in Remarks.) |) | | |
| Are Vegetation, Soil, | or Hydrology sig | gnificantly disturbed? | Are "Normal Ci | rcumstances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology na | aturally problematic? | (If needed, exp | lain any answers in Remarks | ;.) | | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | ttach site map show | ing sampling point | locations, transe | cts, important features, | etc. | | |
| Hydrophytic Vegetation Present | ? Yes N | lo <u>_</u> | | | | | |
| Hydric Soil Present? | Yes N | lo Is the San | npled Area within a \ | Wetland? Ye | s No⁄_ | | |
| Wetland Hydrology Present? | Yes No | □ If ves. opt | ional Wetland Site II | D: | | | |
| Remarks: (Explain alternative pr | | | | <u> </u> | | | |
| Covertype is UPL. Area is upland | • | • | C: | ak a sama al alua ka a misaalka ma | . L et. det | | |
| Circumstances are not normal d | ue to mowing of vegetati | ori. | | | | | |
| | | | | | | | |
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| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | one is required; check al | l that apply) | <u>Sec</u> | condary Indicators (minimun | n of two required) | | |
| - | · | | | Surface Soil Cracks (B6) | , | | |
| Surface Water (A1) | | r-Stained Leaves (B9) | _ | Drainage Patterns (B10) | | | |
| High Water Table (A2) Saturation (A3) | | tic Fauna (B13) Deposits (B15) | | Moss Trim Lines (B16) | | | |
| Saturation (AS) Water Marks (B1) | | ogen Sulfide Odor (C1) | _ | Dry-Season Water Table (C2) | | | |
| Sediment Deposits (B2) | • | zed Rhizospheres on Li | ving Roots (C3) — | Crayfish Burrows (C8) | | | |
| Drift Deposits (B3) | | ence of Reduced Iron (C | • | Saturation Visible on Aerial | lmagery (C9) | | |
| Algal Mat or Crust (B4) | | nt Iron Reduction in Till | ed Soils (C6) — | Stunted or Stressed Plants (| D1) | | |
| Iron Deposits (B5) | | Muck Surface (C7) | | Geomorphic Position (D2) | | | |
| Inundation Visible on Aerial | | r (Explain in Remarks) | | Shallow Aquitard (D3) | | | |
| Sparsely Vegetated Concave | • | , | | Microtopographic Relief (D4) | | | |
| Field Observations: | | | | FAC-Neutral Test (D5) | | | |
| Surface Water Present? | Yes No _ ✓ | Depth (inches): | | | | | |
| Water Table Present? | Yes No _✓ | Depth (inches): | We | etland Hydrology Present? | Yes No _ _ ✓ | | |
| Saturation Present? | Yes No | Depth (inches): | | , | | | |
| (includes capillary fringe) | | 2 ept. (e.,e., | | | | | |
| | | | : | lahla. | | | |
| Describe Recorded Data (stream | i gauge, monitoring weii, | aeriai priotos, previous | inspections), ii avaii | able. | | | |
| Remarks: | | | | | | | |
| The criterion for wetland hydrol | agy is not met. No positiv | e indication of wetland | hydrology was obse | arved | | | |
| The chieflori for Wetland Hydror | ogy is not met. No positiv | e indication of wetland | Trydrology was obse | iveu. | | | |
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|---|-------------|-------------|-------------|-------------------------------------|-----------------|---------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| | % Cover | Species? | Status | Number of Dominant Species Tha | t o | (A) |
| 1 | | | | Are OBL, FACW, or FAC: | | |
| 2. | | | | Total Number of Dominant Specie | s 2 | (B) |
| 3. | | | | Across All Strata: | | |
| 4. | | | | Percent of Dominant Species Tha | 0 | (A/B) |
| 5. | · —— | | | Are OBL, FACW, or FAC: | | |
| 6. | | | | Prevalence Index worksheet: | | |
| | · —— | | | Total % Cover of: | <u>Multiply</u> | <u>By:</u> |
| 7 | | | | OBL species 0 | x 1 = | 0 |
| | 0 | = Total Cov | /er | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 100 | _ x 4 = | 400 |
| 2 | | | | - UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 100 | _ ^3 - (A) | 400 (B) |
| 4. | | | | | - '' | 400 (b) |
| 5. | | | | Prevalence Index = B/A | | |
| 6. | | | | Hydrophytic Vegetation Indicator | | |
| 7. | · —— | | | 1- Rapid Test for Hydrophyti | Vegetation | า |
| /· | 0 | = Total Cov | ·or | 2 - Dominance Test is > 50% | | |
| | | _ 10tal C0\ | /ei | 3 - Prevalence Index is ≤ 3.0 | ı | |
| Herb Stratum (Plot size:5 ft) | 70 | ., | FACIL | 4 - Morphological Adaptatio | ns¹ (Provide | supporting |
| 1. Dactylis glomerata | 70 | Yes | FACU | data in Remarks or on a separate | sheet) | |
| 2. Trifolium repens | 30 | Yes | FACU | Problematic Hydrophytic Ve | getation¹ (E | xplain) |
| 3 | | | | Indicators of hydric soil and wetl | and hydrolo | gy must be |
| 4 | | | | present, unless disturbed or prob | - | 0, |
| 5. | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) | or more in | diameter at |
| 7. | | | | breast height (DBH), regardless of | | alarricco. ac |
| 8. | | | | Sapling/shrub - Woody plants les | _ | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 | | DDIT dila |
| - | | | | Herb – All herbaceous (non-wood | | gardless of |
| 10 | | | | size, and woody plants less than 3 | | gar aress or |
| 11 | · —— | | | Woody vines – All woody vines gr | | 28 ft in |
| 12 | | | | height. | acci cilari s | .2010111 |
| | 100 | = Total Cov | /er | | ., | |
| Woody Vine Stratum (Plot size:30 ft) | | | | Hydrophytic Vegetation Present? | Yes i | No |
| 1 | | | | | | |
| 2. | | | | | | |
| 3. | | | | - | | |
| 4. | | | | - | | |
| | | = Total Cov | /er | - | | |
| | | - Total Cov | | | | |
| Remarks: (Include photo numbers here or on a separa | | | | | | |
| Pasture. No positive indication of hydrophytic vegetati | on was obs | erved (≥50 | % of domina | ant species indexed as FAC– or drie |). | |
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| | | to the de | | | | indicato | r or confirm the a | absence of indicators.) |
|---------------|-----------------------------|------------|------------------|--------|-------------------|------------------|-----------------------------|--|
| Depth _ | Matrix | | Redox | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 14 | 10YR 3/3 | 100 | | _ | | | Silt Loan | n Mixed |
| | | | | | | | | |
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| ¹Type: C = C | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | Location: PL = Pore Lining, M = Matrix. |
| Hydric Soil I | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histosol | (A1) | | Polyvalue Bel | ow S | urface (S | 88) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic Ep | oipedon (A2) | | Thin Dark Sur | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| Black Hi | • | | Loamy Mucky | | | | | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gleyed | d Ma | trix (F2) | | | |
| Stratifie | d Layers (A5) | | Depleted Mat | rix (I | - 3) | | | Dark Surface (S7) (LRR K, L) |
| Deplete | d Below Dark Surfa | | | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| Thick Da | ark Surface (A12) | | Depleted Dar | k Su | rface (F7 |) | | Thin Dark Surface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depres | sior | ıs (F8) | | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| Sandy G | Gleyed Matrix (S4) | | | | | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| Sandy R | tedox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | rface (S7) (LRR R, N | /II RA 149 | 9B) | | | | | Very Shallow Dark Surface (TF12) |
| bank sa | riace (57) (Erricit, it | LIGUTI | ,,, | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | olog | y must b | e preser | nt, unless disturbe | ed or problematic. |
| Restrictive I | _ayer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No <u>_</u> ✓ |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| No positive | indication of hydri | c soils w | as observed. The | crite | erion for | hvdric s | oil is not met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Fu | ltonville, Montgomery | Sampling Date | : 2020-Nov-13 |
|--|-------------------------------------|---------------------------------|--|--------------------------|
| Applicant/Owner: ConnectGEN | | State: NY | Sampling Point: | W-EHM-04_PEM-1 |
| Investigator(s): Elizabeth Masi, Giovan Pambianchi | ni Pambianchi , Giovanni | Section, Township, | Range: Glen Township | |
| | epression | Local relief (concave, conv | ex. none): Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): LRR L | <u></u> | Lat: 42.897272 | Long: -74.385849 | Datum: WGS84 |
| Soil Map Unit Name: Illion silt loam, 0 | to 3 percent slopes | | | ication: None |
| Are climatic/hydrologic conditions on the | | /ear? Yes ✓ No | (If no, explain in Rema | |
| , , | lydrology significantly o | | al Circumstances" present? | Yes _ ✓ No |
| | lydrology naturally pro | | explain any answers in Ren | |
| - | | | | |
| SUMMARY OF FINDINGS – Attach s | | ling point locations, trar | sects, important featu | res, etc. |
| Hydrophytic Vegetation Present? | Yes No | | | |
| Hydric Soil Present? | Yes No | Is the Sampled Area withi | n a Wetland? | Yes/_ No |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Si | te ID: | W-EHM-04 |
| | | | | |
| HYDROLOGY Wetland Hydrology Indicators: | | | | |
| Primary Indicators (minimum of one is r | equired; check all that apply |) | Secondary Indicators (mini | • |
| Surface Water (A1) | Water-Stained Lo | eaves (B9) | Surface Soil Cracks (B6) | |
| High Water Table (A2) | Aquatic Fauna (E | 313) | Drainage Patterns (B10 Moss Trim Lines (B16) |) |
| Saturation (A3) | Marl Deposits (B | | Dry-Season Water Table | e (C2) |
| Water Marks (B1) | Hydrogen Sulfid | | Crayfish Burrows (C8) | |
| Sediment Deposits (B2) Drift Deposits (B3) | Oxidized Rnizosi Presence of Red | pheres on Living Roots (C3) | Saturation Visible on A | erial Imagery (C9) |
| Algal Mat or Crust (B4) | | uction in Tilled Soils (C6) | Stunted or Stressed Pla | |
| Iron Deposits (B5) | Thin Muck Surfa | ` ' | ✓ Geomorphic Position ([| 02) |
| Inundation Visible on Aerial Imagery | . , | n Remarks) | Shallow Aquitard (D3)Microtopographic Relie | .f (D4) |
| Sparsely Vegetated Concave Surface | (B8) | | ✓ FAC-Neutral Test (D5) | 1 (D4) |
| Field Observations: | | | | |
| | No Dept | :h (inches): | | |
| | ' | th (inches): | Wetland Hydrology Preser | nt? Yes No |
| | | th (inches): | Treatment in the control of the cont | 165 |
| (includes capillary fringe) | | | | |
| | | | u sailablas | |
| Describe Recorded Data (stream gauge, | monitoring well, aerial priot | os, previous inspections), ii a | ivaliable: | |
| Remarks: | | | | |
| The state of the s | | | | |
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| The criterion for wetland hydrology is met. A positive indication of wetland hydrology was observed (primary and secondary indicators were present). |
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| Tree Stratum (Plot size: 30 ft) | | Dominant | | Dominance Test works | | | |
|--|---------|--------------|--------|---|--------------|------------|---------------|
| | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC | | 2 | (A) |
| 1 | | | | Total Number of Domi | | | |
| 2. | | | | Across All Strata: | iant species | 2 | (B) |
| 3. | | | | Percent of Dominant S | pecies That | | |
| 4 | | | | - Are OBL, FACW, or FAC | <u>'</u> | 100 | (A/B) |
| 5 | | | | Prevalence Index work | sheet: | | |
| 6 | | | | - <u>Total % Cover</u> | of: | Multiply E | <u>sy:</u> |
| 7 | | | | - OBL species | 40 | x 1 = | 40 |
| | 0 | = Total Cove | er | FACW species | 40 | x 2 = | 80 |
| Sapling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 0 | x 3 = | 0 |
| 1 | | | | - FACU species | 0 | x 4 = | 0 |
| 2 | | | | - UPL species | 0 | x 5 = | 0 |
| 3 | | | | - Column Totals | 80 | (A) | 120 (B) |
| 4 | | | | - Prevalence Ir | | 1.5 | .20 (5) |
| 5 | | | | | | 1.5 | - |
| 6 | | | | Hydrophytic Vegetation | | (t - t · | |
| 7 | | | | 1- Rapid Test for I | | egetation | |
| | 0 | = Total Cove | er | 2 - Dominance Te | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | _ | | 3 - Prevalence Inc | | (D | |
| 1. <i>Carex typhina</i> | 40 | Yes | OBL | 4 - Morphological data in Remarks or on | | | upporting |
| 2. <i>Phalaris arundinacea</i> | 40 | Yes | FACW | - Luata in Kemarks of on | • | | vlain) |
| 3. | | | | - Indicators of hydric so | | | |
| 4. | | | | present, unless disturb | | - | y must be |
| 5. | | | | Definitions of Vegetation | | nacic | |
| 6. | | | | Tree – Woody plants 3 | | more in d | iamotor at |
| 7. | | | | breast height (DBH), re | | | iainetei at |
| 8. | | | | - Sapling/shrub - Woody | ~ | _ | BH and |
| 9. | | | | greater than or equal t | | | bi i di id |
| 10 | | | | Herb – All herbaceous | | | ardless of |
| 11 | | | | size, and woody plants | - | | |
| 11 | | | | Woody vines - All wood | | | 28 ft in |
| 12 | | Tatal Carr | | height. | | | |
| W. L.V. C (DL | 80 | = Total Cove | er | Hydrophytic Vegetatio | n Present? \ | es 🖊 No |) |
| Woody Vine Stratum (Plot size: <u>30 ft</u>) | | | | · · · · · · · · · · · · · · · · · · · | | | |
| 1 | | | | - | | | |
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| 3. | | | | - | | | |
| | | | | _ | | | |
| 4 | 0 | = Total Cove | | | | | |

| Profile Desc | cription: (Describe | to the | depth needed to d | docun | nent the | indicato | r or confirm the a | bsence of indicators.) |
|---------------|------------------------------|------------|--------------------|------------------|-------------------|------------------|-----------------------------|--|
| Depth | Matrix | | Redox | Feat | ures | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 6 | 10YR 5/1 | 95 | 10YR 5/8 | 5 | | · | Silty Clay | |
| 6 - 17 | 10YR 5/1 | 90 | 10YR 5/8 | 10 | | · | Silty Clay | |
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| ¹Type: C = 0 | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | | | · | | • | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | low ^c | Surface (9 | 58) (I RR | R. MI RA 149B) | • |
| | oipedon (A2) | | Thin Dark Su | | | | | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Muck | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | - | | (=::::, | -, | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | ✓ Depleted Ma | | | | | Dark Surface (S7) (LRR K, L) |
| | d Below Dark Surfa | ace (A1 | | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Da | | |) | | Thin Dark Surface (S9) (LRR K, L) |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essior | ns (F8) | | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | ' | | | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | urface (S7) (LRR R, N | AIDA 1 | 40R) | | | | | Very Shallow Dark Surface (TF12) |
| Dark 3u | 111ace (37) (LKK K, N | ILIVA I | 490) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etatior | and wetland hyd | rolog | y must b | e preser | nt, unless disturbe | ed or problematic. |
| Restrictive I | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes _ ✓_ No |
| | Depth (inches): | | | | | - | | |
| Remarks: | | | | | | 1 | | |
| | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met | |
| A positive ii | nuication of flyuric | SOII WC | is observed. The C | iiiciii | Off for fly | ui ic soii | is illet. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | conville, Montgomery | | Sampling Date: 2020-Nov-13 | | |
|------------------------------------|-------------------------|----------------------|--------------------------------|-----------------------------|----------------------------|----------------------|--|
| Applicant/Owner: ConnectGE | N | | State: NY | Sa | ampling Point: W-EH | M-04_UPL-1 | |
| Investigator(s): Elizabeth Mas | , Giovanni Pambianc | hi | Section, Township, | Range: Gler | n Township | | |
| Landform (hillslope, terrace, etc. |): Hillslope | | Local relief (concave, conv | ex, none): | Convex | Slope (%): 1 to 3 | |
| Subregion (LRR or MLRA): | _RR L | | Lat: 42.897238586 | 1 Long: - | 74.3856385718 | Datum: WGS84 | |
| Soil Map Unit Name: Appleto | າ silt loam, 3 to 8 per | cent slopes | | | NWI classification | n: None | |
| Are climatic/hydrologic condition | ns on the site typical | for this time of ye | ar? Yes <u>✓</u> No | (If no, | explain in Remarks.) | | |
| Are Vegetation, Soil, | or Hydrology | significantly dis | sturbed? Are "Norm | al Circumsta | nces" present? | Yes No _ _/ _ | |
| Are Vegetation, Soil, | or Hydrology | naturally probl | ematic? (If needed, | explain any | answers in Remarks. |) | |
| | | | | | | | |
| SUMMARY OF FINDINGS – | Attach site map sl | howing samplir | ng point locations, tran | nsects, imp | ortant features, e | etc. | |
| Hydrophytic Vegetation Present | .? Yes _ | No | | | | | |
| Hydric Soil Present? | Yes | No _ _ _ | Is the Sampled Area withi | n a Wetland? | ? Yes | No <u>_</u> | |
| Wetland Hydrology Present? | Yes | No _ _ _ | If yes, optional Wetland S | ite ID: | | | |
| Remarks: (Explain alternative pr | | | | | | | |
| | | | | not normal c | due to mouring of yea | entation | |
| Covertype is UPL. Area is wetlar | | | resent. Circumstances are | not normal c | aue to mowing of veg | etation. | |
| Circumstances are not normal of | due to agricultural ac | tivities. | | | | | |
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| HYDROLOCY | | | | | | | |
| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum o | f one is required; che | eck all that apply) | | Secondary I | Indicators (minimum | of two required) | |
| - | · | | | - | Soil Cracks (B6) | - | |
| Surface Water (A1) | | Water-Stained Lea | | | e Patterns (B10) | | |
| High Water Table (A2) | | Aquatic Fauna (B1 | | Moss Trim Lines (B16) | | | |
| Saturation (A3) | | Marl Deposits (B1 | | Dry-Season Water Table (C2) | | | |
| Water Marks (B1) | | Hydrogen Sulfide | | - | Burrows (C8) | | |
| Sediment Deposits (B2) | | | neres on Living Roots (C3) | - | on Visible on Aerial Ir | magery (C9) | |
| Drift Deposits (B3) | | Presence of Reduc | | | or Stressed Plants (D | | |
| Algal Mat or Crust (B4) | | | ction in Tilled Soils (C6) | | rphic Position (D2) | •, | |
| Iron Deposits (B5) | | Thin Muck Surface | | | Aquitard (D3) | | |
| Inundation Visible on Aerial | Imagery (B7) | Other (Explain in F | Remarks) | | pographic Relief (D4) | | |
| Sparsely Vegetated Concave | Surface (B8) | | | | | | |
| Field Observations: | | | | FAC-NEU | utral Test (D5) | | |
| Surface Water Present? | Yes No _ | / Depth | (inches): | | | | |
| Water Table Present? | Yes No | | (inches): | - Wetland Hy | drology Present? | Yes No _ _ ∠ | |
| Saturation Present? | Yes No | | (inches): | - | | | |
| (includes capillary fringe) | | - ' | · | - | | | |
| | | | | <u> </u> | | <u> </u> | |
| Describe Recorded Data (strear | n gauge, monitoring | well, aerial photos | s, previous inspections), if a | available: | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | | 141 1 11 41 | - C tl d le d l | | | | |
| The criterion for wetland hydro | ogy is not met. No p | ositive indication (| of wetland hydrology was (| observed. | | | |
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|---|-----------|----------------------|---------------------|--|--------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species Tha | ıt | |
| 1. | 70 COVE | 3pecies: | | Are OBL, FACW, or FAC: | 0 | (A) |
| 2. | | | | Total Number of Dominant Specie | es 2 | |
| 3. | | | | Across All Strata: | 2 | (B) |
| 4. | | | | Percent of Dominant Species Tha | t 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (74'15) |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | <u>Total % Cover of:</u> | Multiply | By: |
| ·· | 0 | = Total Cov | or . | OBL species 0 | x 1 = | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - Iotal Cov | CI | FACW species 0 | x 2 = | 0 |
| 1. | | | | FAC species 0 | x 3 = | 0 |
| - | | | | FACU species 100 | x 4 = | 400 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Index = B/A | =4 | |
| 5 | | | | Hydrophytic Vegetation Indicator | ; : | |
| 6 | | | | 1- Rapid Test for Hydrophyti | | า |
| 7 | | | | 2 - Dominance Test is > 50% | J | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ 3.0 | 1 | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptatio | ns¹ (Provide | supporting |
| 1. Dactylis glomerata | 80 | Yes | FACU | data in Remarks or on a separate | | 11 0 |
| 2. Trifolium repens | 20 | Yes | FACU | Problematic Hydrophytic Ve | | xplain) |
| 3 | | | | ¹ Indicators of hydric soil and wetl | and hydrolo | gy must be |
| 4 | | | | present, unless disturbed or prob | lematic | |
| 5 | | | | Definitions of Vegetation Strata: | | _ |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) | or more in | diameter at |
| 7 | | | | breast height (DBH), regardless o | height. | |
| 8 | | | | Sapling/shrub – Woody plants les | | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 | | |
| 10 | | | | Herb – All herbaceous (non-wood | | gardless of |
| 11. | | | | size, and woody plants less than : | | |
| 12. | | | | Woody vines – All woody vines gr | eater than 3 | 3.28 ft in |
| | 100 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | - | | Hydrophytic Vegetation Present? | Yes N | No <u>~</u> |
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| <u> </u> | 0 | = Total Cov | er | | | |
| | | • | | <u></u> | | |
| Remarks: (Include photo numbers here or on a separat | | | | | | |
| Pasture. No positive indication of hydrophytic vegetation | n was obs | erved (≥50 | % of domina | ant species indexed as FAC– or drie |). | |
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| (inches) | Matrix Color (moist) | % | Color (moist) | % | ures Type¹ | Loc ² | Texture | | Remarks |
|----------------------|--|-------------|----------------------------|--------|---------------|------------------|-----------------------------|------------------|--|
| 0 - 14 | 10YR 3/2 | 100 | color (moist) | | Турс | | Silty Clay | | Mixed |
| | | | | _ | | | | | |
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| ype: C = | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Po | re Lining, M = Matrix. |
| ydric Soil | Indicators: | | | | | | | Indicators for | Problematic Hydric Soils³: |
| Histosc | ol (A1) | | Polyvalue Be | ow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck | (A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark Su | | | - | · · | | rie Redox (A16) (LRR K, L, R) |
| | listic (A3) | | Loamy Mucky | | | (LRR K, L | .) | 5 cm Muck | y Peat or Peat (S3) (LRR K, L, R) |
| , | en Sulfide (A4) ed Layers (A5) | | Loamy Gleye Depleted Ma | | | | | Dark Surfa | ce (S7) (LRR K, L) |
| | ed Below Dark Surfa | ace (A11 | • | | | | | • | Below Surface (S8) (LRR K, L) |
| - ' | ark Surface (A12) | acc (/ (1 1 | Depleted Dark | | | | | | Surface (S9) (LRR K, L) |
| | Mucky Mineral (S1) | | Redox Depre | | | | | | anese Masses (F12) (LRR K, L, R) |
| Sandy (| Gleyed Matrix (S4) | | | | | | | | Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | | dic (TA6) (MLRA 144A, 145, 149B) |
| Strippe | d Matrix (S6) | | | | | | | | t Material (F21) |
| Dark Sı | urface (S7) (LRR R, N | ILRA 149 | 9B) | | | | | - | ow Dark Surface (TF12) lain in Remarks) |
| l.a. al: a.a.e.a.u.a | a£ hduah | | | | | | * | | |
| | of hydrophytic veg Layer (if observed): | | and wettand nyur | olog | y must be | presen | t, uniess disturbe | u or probleman | C. |
| esti ictive | Type: | | None | | | Hydric | Soil Present? | Yes | No⁄_ |
| | Depth (inches): | | None | | | riyanc | Join Frederic | 163_ | |
| emarks: | Deptir (inches). | | | | | | | | |
| | ndication of hydric | soil was | observed. The cr | iterio | on for hy | dric soil i | is met. | | |
| . positive i | naication of flyanc | 3011 Wa3 | observed. The cr | iterit | on for fly | aric son | 3 met. | | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery | Sampling Date: 2020-Nov-13 | | | |
|--------------------------------------|---------------------|-------------------------|------------------------------|---|--|--------------------------|--|
| Applicant/Owner: ConnectGEN | 1 | | State: NY | | Sampling Point: W-EH | M-05_PEM-1 | |
| Investigator(s): Elizabeth Masi, | Giovanni Pambia | anchi | Section, Township, | Range: Gle | en Township | | |
| Landform (hillslope, terrace, etc.): | : Depression | า | Local relief (concave, conv | /ex, none): | Concave | Slope (%): 1 to 3 | |
| Subregion (LRR or MLRA): | RR L | | Lat: 42.894456885 | 7 Long: | -74.39171082 | Datum: WGS84 | |
| Soil Map Unit Name: MsC- Mar | din gravelly silt l | oam | | | NWI classification | n: None | |
| Are climatic/hydrologic conditions | s on the site typic | cal for this time of ye | ar? Yes/_ No |)(If no, | , explain in Remarks.) | | |
| Are Vegetation, Soil, | or Hydrology | significantly dis | sturbed? Are "Norm | al Circumst | ances" present? | Yes No | |
| Are Vegetation, Soil, | or Hydrology | naturally probl | lematic? (If needed, | explain any | y answers in Remarks. |) | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | ttach site mag | showing sampli | ng point locations, trai | nsects, im | portant features, e | etc. | |
| Hydrophytic Vegetation Present? | | No | <u> </u> | | • | | |
| 1 | | | la tha Camarlad Arras with | : \A/-+l | d2 V | ć Na | |
| Hydric Soil Present? | | _ ✓ _ No | Is the Sampled Area with | | | _ ∠ _ No | |
| Wetland Hydrology Present? | Yes | _ ✓ No | If yes, optional Wetland S | ite ID: | W-EI | HM-05 | |
| Remarks: (Explain alternative pro | ocedures here or | in a separate report |) | | | | |
| Covertype is PEM. Area is wetlan | d, all three wetla | nd parameters are p | resent. | | | | |
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| HYDROLOGY | | | | | | | |
| Г | _ | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | one is required; | check all that apply) | | - | <u> Indicators (minimum</u> | of two required) | |
| Surface Water (A1) | | Water-Stained Lea | aves (B9) | | e Soil Cracks (B6) | | |
| High Water Table (A2) | _ | Aquatic Fauna (B1 | | | ge Patterns (B10) | | |
| Saturation (A3) | _ | Marl Deposits (B1 | | Moss Trim Lines (B16) | | | |
| Water Marks (B1) | _ | Hydrogen Sulfide | Odor (C1) | Dry-Season Water Table (C2) .、 Crayfish Burrows (C8) | | | |
| Sediment Deposits (B2) | _ | ✓ Oxidized Rhizosph | neres on Living Roots (C3) | - | | | |
| Drift Deposits (B3) | _ | Presence of Redu | ced Iron (C4) | | tion Visible on Aerial Ir | | |
| Algal Mat or Crust (B4) | _ | Recent Iron Reduc | ction in Tilled Soils (C6) | | d or Stressed Plants (D | 71) | |
| Iron Deposits (B5) | _ | Thin Muck Surface | e (C7) | | orphic Position (D2) | | |
| Inundation Visible on Aerial I | magery (B7) _ | Other (Explain in I | Remarks) | | w Aquitard (D3) | | |
| Sparsely Vegetated Concave | Surface (B8) | | | | opographic Relief (D4) eutral Test (D5) | | |
| Field Observations: | | | | I FAC-NO | edital lest (D3) | | |
| Surface Water Present? | Yes No | / Denth | (inches): | | | | |
| | | · | · | - | hudualam i Duaaam#2 | Voc. 4 No. | |
| Water Table Present? | Yes No | | (inches): | - welland H | lydrology Present? | Yes No | |
| Saturation Present? | Yes No | Depth | (inches): | _ | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (stream | gauge, monitori | ng well, aerial photo: | s, previous inspections), if | available: | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | ami is mot A posi | itivo indication of wa | tland budralamuuss absar | und (primar | arand cocondantindia | ators were presently | |
| The criterion for wetland hydrolo | ogy is met. A posi | itive indication of we | uand nydrology was obser | ved (primar | ry and secondary indic | ators were present). | |
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| Tree Stratum (Plot size: <u>30 ft</u>) 1. | | Dominant Species? | Indicator Status | Number of Dominant S Are OBL, FACW, or FAC: | pecies That | 2 | (A) |
|---|-------------|----------------------|---------------------|--|--------------|----------------|------------|
| 2. | | | | Total Number of Domir Across All Strata: | | 2 | (B) |
| | | | | Percent of Dominant Sp - Are OBL, FACW, or FAC: | | 100 | (A/B) |
| | | | | Prevalence Index works | | | |
| · | | | | - Total % Cover | | Multiply B | v: |
| ' | | | | - OBL species | 40 | x1= | 40 |
| | 0 | = Total Cov | er | FACW species | 20 | x 2 = | 40 |
| apling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 0 | x3= | 0 |
| | | | | FACU species | 0 | x 4 = | 0 |
| · <u></u> | | | | - UPL species | 0 | x5= | 0 |
| | | | | - Column Totals | 60 | | |
| | | | | _ | | (A) | 80 (B) |
| | | | | Prevalence In | | 1.3 | |
| | | | | Hydrophytic Vegetation | | | |
| | | | | 1- Rapid Test for F | | 'egetation | |
| | 0 | = Total Cov | er | 2 - Dominance Tes | | | |
| erb Stratum (Plot size: <u>5 ft</u>) | | - | | ✓ 3 - Prevalence Ind | | | _ |
| Carex typhina | 40 | Yes | OBL | 4 - Morphological | • | - | upportin |
| Phalaris arundinacea | 20 | Yes | FACW | data in Remarks or on a | • | - | I = ! - > |
| | | | | - Problematic Hydr | | | |
| | | | | - Indicators of hydric so | | , 0, | must b |
| - | | | | present, unless disturb | | Hatic | |
| | | | | _ Definitions of Vegetation | | | |
| | | | | Tree – Woody plants 3 i breast height (DBH), re | | | ameter |
| - | | | | Sapling/shrub - Woody | _ | _ | Nac HS |
| | | | | greater than or equal to | • | | ori ariu |
| | | | | Herb – All herbaceous (| | | ırdless n |
| 0 | | | | size, and woody plants | , , | | ii aicss c |
| 1 | | | | Woody vines – All wood | | | 8 ft in |
| 2 | | | | height. | ., 8 | | |
| | 60 | = Total Cov | er | Hydrophytic Vegetatio | n Drocent? \ | /os / No | |
| Voody Vine Stratum (Plot size: <u>30 ft</u>) | | | | Tryuropriyuc vegetatio | iiiiesciit! | E3 <u>√</u> NU | |
| • | | | | - | | | |
| • | | | | _ | | | |
| | | | | - | | | |
| · | | | | _ | | | |
| | 0 | = Total Cov | er | 1 | | | |

Hydrophytic Vegetation).

| Profile Des | cription: (Describe | to the c | lepth needed to o | locun | nent the | indicato | r or confirm the | absence of indicators.) |
|--------------|------------------------------|----------|-------------------|----------|-------------------|-------------------|---------------------------|--|
| Depth | Matrix | | Redox | Feat | ures | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Texture | Remarks |
| 0 - 4 | 10YR 4/1 | 100 | | | | | | |
| 4 - 18 | 10YR 4/1 | 90 | 10YR 5/8 | 10 | | | | |
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| ¹Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | d Mat | rix, MS = | Masked | Sand Grains. ² | Location: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | l (A1) | | Polyvalue Be | low S | urface (S | 88) (LRR 1 | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Su | ırface | (S9) (LRF | R R, MLR | A 149B) | Coast Prairie Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Muck | y Mir | eral (F1) | (LRR K, I | _) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | • |
| Stratifie | ed Layers (A5) | | _✓ Depleted Ma | itrix (I | F3) | | | Dark Surface (S7) (LRR K, L) |
| Deplete | ed Below Dark Surf | face (A1 | 1) Redox Dark : | Surfa | ce (F6) | | | Polyvalue Below Surface (S8) (LRR K, L) |
| Thick D | ark Surface (A12) | | Depleted Da | rk Su | rface (F7) |) | | Thin Dark Surface (S9) (LRR K, L) |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | essior | ns (F8) | | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | | | | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | | | 105) | | | | | Very Shallow Dark Surface (TF12) |
| Dark St | urface (S7) (LRR R, I | MLKA 14 | 19B) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | getation | and wetland hyd | rolog | y must b | e preser | it, unless disturb | ed or problematic. |
| Restrictive | Layer (if observed) |): | | | | | | |
| | Type: | • | None | | | Hydric | Soil Present? | Yes _ 🗸 No |
| | Depth (inches): | | | | | 1.70 | | |
| | Deptil (iliches). | | | | | | | . |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | s observed. The c | riterio | on for hy | dric soil | is met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County: Fult | onville, Montgomery | Sampling [| Date: 2020-Nov-13 | | |
|-----------------------------|----------------------------|---|--------------------------------|-----------------------------|--------------------------|--|--|
| Applicant/Owner: Conr | iectGEN | | State: NY | Sampling Po | int: W-EHM-05_UPL-1 | | |
| Investigator(s): Elizabet | h Masi, Giovanni Pambia | anchi | Section, Township, | Range: Glen Township | ı | | |
| Landform (hillslope, terra | ce, etc.): Hillslope | | Local relief (concave, conv | ex, none): Convex | Slope (%): 1 to 10 | | |
| Subregion (LRR or MLRA): | LRR L | | Lat: 42.894413234 | 4 Long: -74.3917856 | 5277 Datum: WGS84 | | |
| Soil Map Unit Name: M | ohawk silt loam, 8 to 15 | percent slopes | | NWI cla | assification: None | | |
| Are climatic/hydrologic co | | | | (If no, explain in R | lemarks.) | | |
| Are Vegetation, So | l <u>✓</u> , or Hydrology | significantly di | sturbed? Are "Norma | al Circumstances" prese | ent? Yes No | | |
| Are Vegetation, So | l, or Hydrology | naturally prob | lematic? (If needed, | explain any answers in | Remarks.) | | |
| | | | | | | | |
| SUMMARY OF FINDIN | GS – Attach site mar | showing sampli | ng point locations, trar | sects, important fe | atures, etc. | | |
| Hydrophytic Vegetation P | | s No _ _ /_ | <u> </u> | · | | | |
| Hydric Soil Present? | | | Is the Sampled Area within | a a Watland? | Yes No <u>_</u> ✓ | | |
| _ | | s No | · | | 162 NO <u></u> | | |
| Wetland Hydrology Prese | nt? Yes | s No ∠ | If yes, optional Wetland Si | te ID: | | | |
| Remarks: (Explain alterna | • | | | | | | |
| Covertype is UPL. Area is | upland, not all three we | tland parameters ar | e present. Circumstances a | re not normal due to ag | રુricultural activities. | | |
| Circumstances are not no | ormal due to mowing of | vegetation. | | | | | |
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| HYDROLOGY | | | | | | | |
| IIIDKOLOGI | | | | | | | |
| Wetland Hydrology Indica | itors: | | | | | | |
| Primary Indicators (minin | num of one is required; | check all that apply) | | Secondary Indicators (| minimum of two required) | | |
| Surface Water (A1) | | Water-Stained Le | avec (R9) | Surface Soil Cracks | (B6) | | |
| High Water Table (A2) | - | Water-Stained Lea Aquatic Fauna (B1 | | Drainage Patterns (| (B10) | | |
| Saturation (A3) | | Aquatic Fadria (B1 Marl Deposits (B1 | | Moss Trim Lines (B16) | | | |
| Water Marks (B1) | | Hydrogen Sulfide | | Dry-Season Water Table (C2) | | | |
| Sediment Deposits (B) | | | heres on Living Roots (C3) | Crayfish Burrows (C | | | |
| Drift Deposits (B3) | | Presence of Redu | • | Saturation Visible o | on Aerial Imagery (C9) | | |
| Algal Mat or Crust (B4 | | | ction in Tilled Soils (C6) | Stunted or Stressed | | | |
| Iron Deposits (B5) | - | Thin Muck Surfac | | Geomorphic Position | | | |
| Inundation Visible on | - Aerial Imagery (B7) | Other (Explain in | | Shallow Aquitard (E | | | |
| Sparsely Vegetated Co | • | Other (Explain in | nerrians) | Microtopographic F | ₹elief (D4) | | |
| | | | | FAC-Neutral Test (D | 15) | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No | Depth | (inches): | | | | |
| Water Table Present? | Yes No | _ ∠ Depth | (inches): | Wetland Hydrology Pre | esent? Yes No | | |
| Saturation Present? | Yes No | Depth | (inches): | | | | |
| (includes capillary fringe) | | | | | | | |
| | | معمطت امتسمم المستم | \ i=\ i=\ if : | | | | |
| Describe Recorded Data | Stream gauge, monitori | ing well, aeriai prioto | s, previous inspections), if a | ivaliable. | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | hydrology is mot. No no | scitive indication of w | vetland hydrology was obse | mod | | | |
| The chienon for wedand | riyarology is filet. No po | ositive indication of w | retiand nythology was obse | i veu. | | | |
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|--|-------------|-------------|-------------|--|----------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | | |
| 1 | % Cover | Species? | Status | Number of Dominant Species T Are OBL, FACW, or FAC: | nat 0 | (A) |
| 1 | | | | Total Number of Dominant Spe | ies | |
| 3. | | | | Across All Strata: | 2 | (B) |
| 4. | | | | Percent of Dominant Species Tl | at 0 | (A /B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (A/B) |
| | | | | Prevalence Index worksheet: | | |
| 6. | | | | Total % Cover of: | Multiply | <u>By:</u> |
| 7 | | = Total Cov | | OBL species 0 | x 1 = | 0 |
| Cardina (Charab Chartage (Distraine) 45 ft | | = Total Cov | er | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 0 | x 3 = | 0 |
| 1 | | | | FACU species 90 | x 4 = | 360 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 90 | (A) | 360 (B) |
| 4 | | | | Prevalence Index = B | A =4 | |
| 5 | | | | Hydrophytic Vegetation Indicate | ors: | |
| 6 | | | | 1- Rapid Test for Hydroph | | า |
| 7 | | | | 2 - Dominance Test is > 50 | _ | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ 3 | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptat | | sunnorting |
| 1. Dactylis glomerata | 60 | Yes | FACU | data in Remarks or on a separa | | 3466.48 |
| 2. <i>Taraxacum officinale</i> | 20 | Yes | FACU | Problematic Hydrophytic | | xplain) |
| 3. <i>Trifolium repens</i> | 10 | No | FACU | ¹Indicators of hydric soil and we | _ | |
| 4 | | | | present, unless disturbed or pr | - | 8, |
| 5. | | | | Definitions of Vegetation Strata | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 c | | diameter at |
| 7. | | | | breast height (DBH), regardless | - | |
| 8. | | | | Sapling/shrub - Woody plants I | ess than 3 in. | DBH and |
| 9. | | | | greater than or equal to 3.28 ft | (1 m) tall. | |
| 10. | | | | Herb – All herbaceous (non-wo | dy) plants, re | gardless of |
| 11. | | | | size, and woody plants less tha | 13.28 ft tall. | |
| 12. | | | | Woody vines – All woody vines | reater than 3 | 3.28 ft in |
| ` | 90 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size: 30 ft) | | | - | Hydrophytic Vegetation Preser | t? Yes ! | No <u>_</u> |
| 1. | | | | | | |
| 2 | | | | • | | |
| 3. | | | | • | | |
| 4. | | | | | | |
| · | 0 | = Total Cov | or | | | |
| | | - Total Cov | - | | | |
| Remarks: (Include photo numbers here or on a separa | | | | | | |
| Pasture. No positive indication of hydrophytic vegetat | ion was obs | erved (≥50 | % of domina | ant species indexed as FAC– or dr | er). | |
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| | | to the de | | | | ndicato | r or confirm the a | absence of indicators.) |
|-------------------------|------------------------------|------------|--------------------|--------|-------------------|------------------|-----------------------------|--|
| Depth | Matrix | | Redox | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 14 | 10YR 3/2 | 100 | | _ | | | Silt Loam | n Mixed |
| | | | | | | | | |
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| | | | | | | | | |
| ¹Type: C = 0 | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | Location: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | ol (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Sur | face | (S9) (LRF | R, MLR | A 149B) | Coast Prairie Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Mucky | Mir | eral (F1) | (LRR K, | L) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleyed | d Ma | trix (F2) | | | Dark Surface (S7) (LRR K, L) |
| Stratifie | ed Layers (A5) | | Depleted Mat | rix (I | - 3) | | | Polyvalue Below Surface (S8) (LRR K, L) |
| Deplete | ed Below Dark Surfa | | | | | | | Thin Dark Surface (S9) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | |) | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depres | ssior | ıs (F8) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| Sandy 0 | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| Sandy I | Redox (S5) | | | | | | | Red Parent Material (F21) |
| Strippe | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, M | /ILRA 149 | 9B) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etation : | and wetland hydr | പ്രത | v must h | a nracar | nt unless disturbe | • |
| - | Layer (if observed): | | and Wetland Hydr | olog. | y must b | I | it, unless disturbe | ed of problematic. |
| Restrictive | • | | None | | | Lludric | Cail Dracant? | Vos. No. (|
| | Type: | | None | | | Hydric | Soil Present? | Yes No⁄_ |
| | Depth (inches): | | | | | | | . |
| Remarks: No positive | e indication of hydri | ic soils w | ras observed. Soil | sign | ificantly (| disturbe | d as a result of til | lling. |
| | | | | | | | | |



Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County:_ , Mo | ontgomery | Sampling Date: 2020-Nov-12 | | | |
|--|--|---|---|------------------------------|--|--|
| Applicant/Owner: ConnectGE | | State: NY | Sampling Point: W- | EHM-06_PFO-1 | | |
| Investigator(s): Elizabeth Mas | i, Giovanni Pambianchi | Section, Township, I | Range: Glen Township | | | |
| Landform (hillslope, terrace, etc | .): Depression | Local relief (concave, conve | x, none): Concave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.892121 | Long: -74.3928004 | Datum: WGS84 | | |
| Soil Map Unit Name: LaC- Lar | nsing silt loam | | NWI classificat | ion: None | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of ye | ear? Yes No _ | (If no, explain in Remarks | 5.) | | |
| Are Vegetation, Soil, | or Hydrology significantly di | sturbed? Are "Norma | l Circumstances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | lematic? (If needed, e | explain any answers in Remarl | ks.) | | |
| Hydrophytic Vegetation Presen Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative p | Attach site map showing sampli t? Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ No Yes _ Ye | Is the Sampled Area within If yes, optional Wetland Sit | a Wetland? Ye | es <u> </u> | | |
| HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of the content of the conte | Presence of Redu Recent Iron Redu Thin Muck Surface Imagery (B7) Other (Explain in I | aves (B9) 13) 15) Odor (C1) heres on Living Roots (C3) iced Iron (C4) ction in Tilled Soils (C6) e (C7) | Secondary Indicators (minimu Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C Crayfish Burrows (C8) Saturation Visible on Aeria Stunted or Stressed Plants Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D FAC-Neutral Test (D5) | 2) I Imagery (C9) (D1) | | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No <u>_</u> Depth | (inches): | | | | |
| Water Table Present? | Yes No Depth | (inches): 0 | Wetland Hydrology Present? | Yes No | | |
| Saturation Present? | | (inches): 2 | | | | |
| (includes capillary fringe) | | | | | | |
| | m gauge, monitoring well, aerial photo | s provious inspections) if a | vailables | | | |
| Remarks: The criterion for wetland hydro | ology is met. A positive indication of we | etland hydrology was observ | ed (at least one primary indica | | | |
| | | | | | | |

| Project/Site: Mill Point | City/County:_ Fult | tonville, Montgomery | Sampling Date: 2020-Nov-03 | | | |
|------------------------------------|--|-------------------------------------|--|--------------------|--|--|
| Applicant/Owner: ConnectGe | n | State: NY | Sampling Point: W-K | CF-02_PFO-1 | | |
| Investigator(s): Kevin Ferguson | n, Camille Warner | Section, Township, Ran | ge: N/A | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, convex, r | none): Concave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: 42.89651645 | Long: -74.35696587 | Datum: WGS84 | | |
| Soil Map Unit Name: Lansing | and Mohawk, 25 to 60 percent slopes | | NWI classification | on: None | | |
| Are climatic/hydrologic conditior | ns on the site typical for this time of ye | ear? Yes 🟒 No | _ (If no, explain in Remarks.) |) | | |
| Are Vegetation, Soil, | or Hydrology significantly di | sturbed? Are "Normal Ci | rcumstances" present? | Yes No | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | lematic? (If needed, expl | lain any answers in Remarks | 5.) | | |
| | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampli | ng point locations, transec | ts, important features, | etc. | | |
| Hydrophytic Vegetation Present | | 1 | • | | | |
| | | le the Country of Augusticians | M-4112 V | c No. | | |
| Hydric Soil Present? | Yes No | Is the Sampled Area within a V | | No | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Site I | D: W-l | CF-02 | | |
| | rocedures here or in a separate report nd, all three wetland parameters are p | | | | | |
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| HYDROLOGY | | | | | | |
| Watland Lludralam, Indicators | | | | | | |
| Wetland Hydrology Indicators: | fana is required, sheek all that apply | Soc | andan Indicators (minimum | a of two required) | | |
| Primary indicators (minimum of | f one is required; check all that apply) | | ondary Indicators (minimun | n of two required) | | |
| Surface Water (A1) | Water-Stained Le | aves (B9) | Surface Soil Cracks (B6) | | | |
| High Water Table (A2) | Aquatic Fauna (B | 13) | Drainage Patterns (B10) Moss Trim Lines (B16) | | | |
| ✓ Saturation (A3) | Marl Deposits (B1 | 15) | Dry-Season Water Table (C2 |) | | |
| Water Marks (B1) | Hydrogen Sulfide | Odor (C1) | Crayfish Burrows (C8) | , | | |
| Sediment Deposits (B2) | · | neres on Living Roots (C3) | Saturation Visible on Aerial | Imagery (C9) | | |
| Drift Deposits (B3) | Presence of Redu | iced Iron (C4) | Stunted or Stressed Plants (| • | | |
| Algal Mat or Crust (B4) | | iction in Tilled Soils (C6) | Geomorphic Position (D2) | , | | |
| Iron Deposits (B5) | Thin Muck Surfac | | Shallow Aquitard (D3) | | | |
| Inundation Visible on Aerial | | Remarks) | Microtopographic Relief (D4 | .) | | |
| ✓ Sparsely Vegetated Concave | Surface (Bo) | | FAC-Neutral Test (D5) | | | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No <u></u> Depth | n (inches): | | | | |
| Water Table Present? | Yes No Depth | n (inches): We | tland Hydrology Present? | Yes No | | |
| Saturation Present? | Yes _✓_ No Depth | i (inches): | | | | |
| (includes capillary fringe) | | | | | | |
| | n gauga manitaring wall parial photo | s provious inspections) if qual | ahlar | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial photo | s, previous irispections), ii avail | able. | | | |
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| | | | | | | |
| Remarks: | | | | | | |
| The criterion for wetland hydrol | ogy is met. | | | | | |
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| vederation ose sciencine names of plants. | | | | | | | |
|---|-------------------|-----------------|----------------|---|--------------|------------|---------------|
| Tree Stratum (Plot size:30 ft) | | Dominant | | Dominance Test works | | | |
| 1. Acer saccharum | % Cover 30 | Species? Yes | Status FACU | Number of Dominant S Are OBL, FACW, or FAC | | 4 | (A) |
| 2. Ulmus americana | 20 | | FACW | Total Number of Domir | | | |
| - | | Yes | | Across All Strata: | | 5 | (B) |
| 3. <i>Ulmus americana</i> | 20 | Yes | FACW | Percent of Dominant S | pecies That | | |
| 4 | | | | — Are OBL, FACW, or FAC: | | 80 | (A/B) |
| 5. | | | | Prevalence Index work | sheet: | | |
| 6. | | | | Total % Cover | of: | Multiply | By: |
| 7 | | | | OBL species | 0 | x 1 = | 0 |
| | 70 | _= Total Cov | er | FACW species | 130 | x 2 = | 260 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 10 | x 3 = | 30 |
| 1. <i>Ulmus americana</i> | 30 | Yes | FACW | FACU species | 30 | x 4 = | 120 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 170 | (A) | 410 (B) |
| 4 | | | | Prevalence Ir | | 2.4 | (2) |
| 5 | | | | - | | | |
| 6 | | | | Hydrophytic Vegetation | | /+-+i - ·- | |
| 7. | | | | 1- Rapid Test for I | , , | egetation | 1 |
| | 30 | = Total Cov | er | ✓ 2 - Dominance Te | | | |
| Herb Stratum (Plot size:5 ft) | | _ | | ✓ 3 - Prevalence Ind | | l (D : -l- | |
| 1. Impatiens capensis | 60 | Yes | FACW | 4 - Morphological | | | supporting |
| 2. Geum canadense | 5 | No | FAC | data in Remarks or on Problematic Hydr | | | (nicla) |
| 3. Solidago rugosa | 5 | No | FAC | Indicators of hydric so | | | • |
| 4. | | | | present, unless disturb | | , | gy must be |
| 5. | | | | Definitions of Vegetation | | Tiatic | |
| 6. | | | | Tree – Woody plants 3 | | moro in | diameter at |
| 7. | | | | breast height (DBH), re | | | ularrieter at |
| 8. | | | | Sapling/shrub - Woody | _ | - | OBH and |
| 9. | | | | greater than or equal t | | | |
| 10. | | | | Herb – All herbaceous | | | gardless of |
| | | | | size, and woody plants | | | 5 |
| 11. | | | | Woody vines – All wood | | | .28 ft in |
| 12 | | Tatal Car | | height. | , | | |
| W. L.Y. St. (DL.) 20 S.) | 70 | _= Total Cov | er | Hydrophytic Vegetatio | n Present? \ | es 🗸 N | Jo |
| Woody Vine Stratum (Plot size: 30 ft) | | | | yaopya.e regetatio | | | |
| 1. | | | | | | | |
| 2. | | | | • | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | _= Total Cov | er | | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | | | | |
| A positive indication of hydrophytic vegetation was obs | served (>50 | 0% of domin | ant species | indexed as OBL, FACW, o | r FAC). | | |
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| | cription: (Describe | to the de | | | | indicato | r or confirm the a | absence of indic | cators.) |
|---------------|------------------------------|-----------|------------------|-------|-------------------|----------------|--------------------|------------------|---|
| Depth _ | Matrix | | Redox | Fea | tures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Textu | ire | Remarks |
| 0 - 8 | 10YR 3/2 | 100 | | _ | | | Loamy S | Sand | |
| 8 - 20 | 10YR 3/1 | 97 | 10YR 5/6 | 3 | C | M | Sandy L | oam | |
| | | | | | | · | | | |
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| | | | | | | | | | |
| ¹Type: C = C | oncentration, D = | Depletic | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. 21 | Location: PL = P | ore Lining, M = Matrix. |
| Hydric Soil | Indicators: | • | | | | | | Indicators fo | r Problematic Hydric Soils³: |
| Histosol | | | Polyvalue Bel | ow S | Surface (S | 8) (LRR | R. MLRA 149B) | | · |
| | oipedon (A2) | | Thin Dark Sui | | | | | | ck (A10) (LRR K, L, MLRA 149B) |
| Black Hi | | | Loamy Mucky | | | | - | | airie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | (=:::::4 | -, | | cky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted Mar | | | | | | face (S7) (LRR K, L) |
| | d Below Dark Surf | ace (A11 | | | | | | | e Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | |) | | | k Surface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depre | ssior | ns (F8) | | | | ganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | | | | | | | t Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | | odic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | | nt Material (F21) |
| | rface (S7) (LRR R, N | AI DA 140 | np) | | | | | - | llow Dark Surface (TF12) |
| Dark Su | 111ace (37) (LKK K, K | ILKA 14: | 96) | | | | | Other (Ex | plain in Remarks) |
| 3Indicators | of hydrophytic veg | etation | and wetland hydr | olog | y must b | e preser | nt, unless disturb | ed or problema | tic. |
| Restrictive I | Layer (if observed): | : | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | Į. | | | |
| | ndication of hydric | soil was | ohsanvad | | | | | | |
| A positive ii | idication of riguric | SOII Was | observed. | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



| | | | | | | 1 |
|---|------------|-------------------|---------------------|---|-------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That | 2 | (4) |
| 1. Acer rubrum | 20 | Yes | FAC | Are OBL, FACW, or FAC: | | (A) |
| 2. Ulmus americana | 20 | Yes | FACW | Total Number of Dominant Species | 4 | (B) |
| 3. Acer saccharum | 10 | Yes | FACU | Across All Strata: | | |
| 4. | | | | Percent of Dominant Species That | 50 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | Multiply | <u>By:</u> |
| ·· | 50 | = Total Cov | ·or | OBL species 0 | x 1 = | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - Total Cov | 761 | FACW species 20 | x 2 = | 40 |
| 1. Berberis thunbergii | 10 | Yes | FACU | FAC species 20 | x 3 = | 60 |
| | 10 | 162 | FACU | FACU species 20 | x 4 = | 80 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 60 | (A) | 180 (B) |
| 4 | | | | Prevalence Index = B/A = | 3 | |
| 5 | | | | Hydrophytic Vegetation Indicators: | | |
| 6 | | | | 1- Rapid Test for Hydrophytic | Vegetation | |
| 7 | | | | 2 - Dominance Test is > 50% | regetation | |
| | 10 | = Total Cov | /er | ✓ 3 - Prevalence Index is $\leq 3.0^{\circ}$ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptations | 1 (Provide | sunnorting |
| 1 | | | | data in Remarks or on a separate sl | | supporting |
| 2 | | | | Problematic Hydrophytic Vege | | rolain) |
| 3. | | | | ¹Indicators of hydric soil and wetlar | | |
| 4. | | | | present, unless disturbed or proble | - | B)ase se |
| 5. | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in (| diameter at |
| 7. | | | | breast height (DBH), regardless of h | | alameter at |
| 8. | | | | Sapling/shrub – Woody plants less t | _ | OBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 m | | |
| 10 | | | | Herb – All herbaceous (non-woody) | | gardless of |
| 11 | | | | size, and woody plants less than 3.2 | | |
| 11 | | | | Woody vines – All woody vines grea | | .28 ft in |
| 12 | | | | height. | | |
| | 0 | = Total Cov | /er | Hydrophytic Vegetation Present? | Ves / N | lo |
| Woody Vine Stratum (Plot size:30 ft) | | | | Trydrophydic Vegetation i resent. | 1051 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| | 0 | = Total Cov | /er | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | _ | | |
| A positive indication of hydrophytic vegetation was obs | |)% of domir | nant species | indexed as OBL FACW or FAC). | | |
| Typositive mateution of flyar oprifice regetation was obs | cived (50 | 770 OI GOITHI | idite species | indexed as OBE, then, of the, | | |
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| Profile Des | cription: (Describe | to the | depth needed to | docun | nent the | indicato | r or confirm the a | bsence of indicators.) |
|----------------|------------------------------|------------|--------------------|---------|-------------------|------------------|-----------------------------|--|
| Depth | Matrix | | Redox | Feat | ures | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 8 | 10YR 4/1 | 90 | 10YR 5/8 | 10 | C | M | Silty Clay | |
| 8 - 16 | 10YR 4/1 | 80 | 10YR 5/8 | 10 | D | M | Silty Clay | |
| 8 - 16 | 10YR 5/1 | 10 | | _ | | | | |
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| | | | | | | | | |
| ¹Type: C = 0 | Concentration, D = | Deplet | ion, RM = Reduce | d Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | Polyvalue Be | elow S | Surface (S | 8) (LRR | R. MLRA 149B) | · |
| | pipedon (A2) | | Thin Dark Su | | | | | 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Mucl | | | | - | |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | - | | | | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| Stratifie | d Layers (A5) | | _✓ Depleted Ma | atrix (| F3) | | | Dark Surface (S7) (LRR K, L) |
| Deplete | d Below Dark Surfa | ace (A1 | 1) Redox Dark | Surfa | ce (F6) | | | Polyvalue Below Surface (S8) (LRR K, L) |
| Thick D | ark Surface (A12) | | Depleted Da | ark Su | rface (F7 |) | | Thin Dark Surface (S9) (LRR K, L) |
| Sandy N | Mucky Mineral (S1) | | Redox Depr | essior | ns (F8) | | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| Sandy 0 | Gleyed Matrix (S4) | | | | | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| Sandy F | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | ırface (S7) (LRR R, M | II RA 1 | 49B) | | | | | Very Shallow Dark Surface (TF12) |
| | | | .52, | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic veg | etatior | n and wetland hyd | Irolog | y must b | e presei | nt, unless disturbe | ed or problematic. |
| Restrictive | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydrid | Soil Present? | Yes <u></u> ✓ No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | ', | | |
| | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. | |
| , c posicire i | a.cacion or ny anc | 50 *** | as observed, inte | | ooy | uc 50 | .5 | |
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Hydrology Photos





Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County:_ , ! | Montgomery County | Sampling Date | : 2020-Nov-12 |
|-----------------------------------|--|------------------------------|---|-----------------------------|
| Applicant/Owner: ConnectG | EN | State: NY | Sampling Point: | W-EHM-06_PSS-2 |
| Investigator(s): Elizabeth Ma | si, Giovanni Pambianchi | Section, Township, | Range: GLEN TOWNSHIP | |
| Landform (hillslope, terrace, et | c.): Depression | Local relief (concave, conv | ex, none): Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.8914472 | Long: -74.3960555 | Datum: WGS84 |
| Soil Map Unit Name: Ma- Ma | adalin silty clay loam | | NWI classif | ication: None |
| Are climatic/hydrologic condition | ons on the site typical for this time of | year? Yes No | (If no, explain in Rem | arks.) |
| Are Vegetation, Soil | , or Hydrology significantly | disturbed? Are "Norma | al Circumstances" present? | Yes _ ✓ No |
| Are Vegetation, Soil | , or Hydrology naturally pro | oblematic? (If needed, | explain any answers in Ren | narks.) |
| | | | | |
| SUMMARY OF FINDINGS - | Attach site map showing samp | pling point locations, trar | nsects, important featu | res, etc. |
| Hydrophytic Vegetation Prese | | <u> </u> | · | |
| | | la tha Camania d Amaa withi | | Vee / Ne |
| Hydric Soil Present? | Yes No | Is the Sampled Area withi | | Yes No |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Si | ite ID: | W-EHM-06 |
| | procedures here or in a separate repoind, all three wetland parameters are | | | |
| | | | | |
| HYDROLOGY | | | | |
| Wetland Hydrology Indicators | | | | |
| Primary Indicators (minimum | of one is required; check all that appl | y) | Secondary Indicators (min | mum of two required) |
| Surface Water (A1) | ⁄ Water-Stained I | Leaves (B9) | Surface Soil Cracks (B6 | |
| High Water Table (A2) | Aquatic Fauna (| | ✓ Drainage Patterns (B10 |) |
| Saturation (A3) | Marl Deposits (| | Moss Trim Lines (B16) | (50) |
| Water Marks (B1) | Hydrogen Sulfic | | Dry-Season Water Tabl | e (C2) |
| Sediment Deposits (B2) | Oxidized Rhizo: | spheres on Living Roots (C3) | Crayfish Burrows (C8) | orial Imagon (CO) |
| Drift Deposits (B3) | Presence of Re | duced Iron (C4) | Saturation Visible on A Stunted or Stressed Plan | |
| Algal Mat or Crust (B4) | Recent Iron Rec | duction in Tilled Soils (C6) | ✓ Geomorphic Position (I | |
| Iron Deposits (B5) | Thin Muck Surf | | Shallow Aquitard (D3) | <i>72</i>) |
| ✓ Inundation Visible on Aeria | | in Remarks) | ✓ Microtopographic Relie | f (D4) |
| Sparsely Vegetated Concav | e Surface (B8) | | ✓ FAC-Neutral Test (D5) | . (= -/ |
| Field Observations: | | | | |
| Surface Water Present? | Yes No 🟒 Dep | th (inches): | | |
| Water Table Present? | Yes No <u></u> ✓ Dep | oth (inches): | Wetland Hydrology Preser | t? Yes No |
| Saturation Present? | | th (inches): | | • |
| | тез <u>т</u> но <u>у</u> Бер | | | |
| (includes capillary fringe) | | | | · |
| Remarks: | om gauge, monitoring well, aerial pho | | | / indicators were present). |
| | | | | |

| ree Stratum (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test works | | | |
|--|---------|-------------|---------|---|------------------------------|-------------------------|-----------|
| | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC | • | 3 | (A) |
| | | | | Total Number of Domi | | | |
| | | | | Across All Strata: | • | 4 | (B) |
| | | | | Percent of Dominant S | pecies That | 75 | (A/E |
| | | | | Are OBL, FACW, or FAC | : | | (/// L |
| | | | | Prevalence Index work | sheet: | | |
| | | | | Total % Cover | of: | Multiply | By: |
| - | | = Total Cov | or . | OBL species | 0 | x 1 = | 0 |
| pling/Shrub Stratum (Plot size:15 ft) | | - Total Cov | CI | FACW species | 35 | x 2 = | 70 |
| Acer negundo | 15 | Yes | FAC | FAC species | 15 | x 3 = | 45 |
| Cornus amomum | 15 | Yes | FACW | FACU species | 10 | x 4 = | 40 |
| Cornas amomani | | 163 | FACVV | - UPL species | 0 | x 5 = | 0 |
| | | | | - Column Totals | 60 | (A) | 155 (E |
| | | | | Prevalence Ir | ndex = B/A = | 2.6 | |
| | | | | Hydrophytic Vegetation | n Indicators: | | |
| | | | | 1- Rapid Test for I | Hydrophytic V | egetation | 1 |
| - | | Tatal Car | | 2 - Dominance Te | st is >50% | | |
| ork Street van (Diet view 5 ft) | 30 | = Total Cov | er | 3 - Prevalence Inc | $\text{lex is} \leq 3.0^{1}$ | | |
| erb Stratum (Plot size: <u>5 ft</u>) | 20 | V | EA CIA/ | 4 - Morphological | Adaptations ¹ | (Provide | supporti |
| Vernonia noveboracensis | | Yes | FACW | data in Remarks or on | a separate sh | eet) | |
| Solidago canadensis | 10 | Yes | FACU | - Problematic Hydi | ophytic Vege | tation¹ (Ex | (plain) |
| | | | | - ¹Indicators of hydric so | | - | gy must l |
| | | | | present, unless disturb | ed or probler | matic | |
| | | | | Definitions of Vegetation | | | |
| | | | | Tree – Woody plants 3 | | | diameter |
| | | | | breast height (DBH), re | _ | _ | |
| | | | | Sapling/shrub - Woody | - | | DBH and |
| | | | | greater than or equal t | | | |
|) | | | | Herb – All herbaceous | | | gardless |
| · | | | | size, and woody plants | | | 20 6: : |
| 2 | | | | Woody vines – All woo | ay vines great | er than 3 | .28 Tt IN |
| | 30 | = Total Cov | er | height. | | | |
| oody Vine Stratum (Plot size: <u>30 ft</u>) | | | | Hydrophytic Vegetatio | n Present? Y | ′es <u> √ </u> N | 10 |
| · | | | | _ | | | |
| e | | | | _ | | | |
| | | | | | | | |
| | | | | - | | | |
| | | = Total Cov | er | - | | | |

| Profile Desc | cription: (Describe | to the o | lepth needed to d | ocun | nent the | indicato | r or confirm the a | bsence of indicators.) | | | |
|-----------------|---|----------|-------------------------|---------|-------------------|----------------|-----------------------------|--|--|--|--|
| Depth | Matrix | | Redox | Feat | ures | | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Texture | Remarks | | | |
| 0 - 4 | 10YR 4/1 | 100 | | | | | Silty Clay | | | | |
| 4 - 14 | 10Y 4/1 | 90 | 10YR 5/8 | 10 | C | M | Silty Clay | | | | |
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| ¹Type: C = C | Concentration, D = | Depleti | on, RM = Reduced | l Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore Lining, M = Matrix. | | | |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : | | | |
| Histoso | l (A1) | | Polyvalue Be | low S | Surface (S | 8) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) | | | |
| Histic Ep | oipedon (A2) | | Thin Dark Su | | | | | Coast Prairie Redox (A16) (LRR K, L, R) | | | |
| | istic (A3) | | Loamy Muck | - | | (LRR K, | L) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) | | | |
| | en Sulfide (A4) | | Loamy Gleye | | | | | Dark Surface (S7) (LRR K, L) | | | |
| | d Layers (A5) | (4.4 | _ <u> ✓</u> Depleted Ma | | | | | Polyvalue Below Surface (S8) (LRR K, L) | | | |
| | d Below Dark Surf | ace (A I | | | | | | Thin Dark Surface (S9) (LRR K, L) | | | |
| | ark Surface (A12) Jucky Mineral (S1) | | Depleted Da | | |) | | Iron-Manganese Masses (F12) (LRR K, L, R) | | | |
| 1 | - | | Redox Depre | 255101 | 15 (F0) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) | | | |
| _ | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) | | | |
| | Redox (S5) | | | | | | | Red Parent Material (F21) | | | |
| | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) | | | |
| Dark Su | ırface (S7) (LRR R, N | MLRA 14 | 19B) | | | | | Other (Explain in Remarks) | | | |
| 3Indicators | of hydrophytic veg | getation | and wetland hyd | rolog | y must b | e preser | nt, unless disturbe | ed or problematic. | | | |
| Restrictive I | Layer (if observed) | : | | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes _✓_ No | | | |
| | Depth (inches): | | | | | | | | | | |
| Remarks: | | | | | | | | <u>.</u> | | | |
| | ndication of hydric | soil wa | s observed. The c | riterio | on for hy | dric soil | is met. | | | | |
| , c positive ii | nareación or rigario | 30 | 5 0050. Ved. 1110 0 | | y | a | .5 | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County:, Mo | ntgomery County | Sampling Date: 2020-Nov-12 | | | |
|-----------------------------|------------------------------------|------------------------|--------------------------------|----------------------------|-----------------------|--------------------|--|
| Applicant/Owner: Conr | iectGEN | | State: NY | Sam | pling Point: W-EHM | 1-06_UPL-1 | |
| Investigator(s): Elizabet | h Masi, Giovanni Pambia | nchi | Section, Township, | Range: GLEN | TOWNSHIP, | | |
| Landform (hillslope, terra | ce, etc.): Hilltop | | Local relief (concave, conv | ex, none): Con | ivex | Slope (%): 1 to 10 | |
| Subregion (LRR or MLRA): | LRR L | | Lat: 42.8921805 | Long: -74. | .3929081 | Datum: WGS84 | |
| Soil Map Unit Name: La | aC- Lansing silt loam | | | | NWI classification: | None | |
| Are climatic/hydrologic co | nditions on the site typic | al for this time of ye | ar? Yes <u>✓</u> No | (If no, exp | plain in Remarks.) | | |
| Are Vegetation, So | il <u>✓</u> , or Hydrology | significantly dis | sturbed? Are "Norma | al Circumstance | es" present? Ye | s No _ _ _ | |
| Are Vegetation, So | il, or Hydrology | naturally probl | ematic? (If needed, | explain any an | swers in Remarks.) | | |
| | | | | | | | |
| SUMMARY OF FINDIN | GS – Attach site map | showing sampli | ng point locations, trar | nsects, impor | rtant features, et | c. | |
| Hydrophytic Vegetation F | Present? Yes | sNo / _ | | | | | |
| Hydric Soil Present? | | sNo | Is the Sampled Area within | n a Wetland? | Voc | No⁄_ | |
| _ | | | i · | | 163_ | | |
| Wetland Hydrology Prese | | No / _ | If yes, optional Wetland Si | te ID: | | | |
| Remarks: (Explain alterna | • | | | | | | |
| · '' | • | • | e present. Circumstances a | re not normal o | due to agricultural a | ctivities. | |
| Circumstances are not no | ormal due to mowing of v | vegetation. | | | | | |
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| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indica | ators: | | | | | | |
| Primary Indicators (minin | | heck all that apply) | | Secondary Ind | licators (minimum o | f two required) | |
| Triniary marcacors (minin | idiri or oric is required, e | neek an that appry | | - | il Cracks (B6) | r two required | |
| Surface Water (A1) | _ | Water-Stained Lea | | | Patterns (B10) | | |
| High Water Table (A2) | | Aquatic Fauna (B1 | | Moss Trim | | | |
| Saturation (A3) | | Marl Deposits (B1 | | | n Water Table (C2) | | |
| Water Marks (B1) | | _ Hydrogen Sulfide | | • | urrows (C8) | | |
| Sediment Deposits (B | | • | neres on Living Roots (C3) | • | Visible on Aerial Ima | agery (C9) | |
| Drift Deposits (B3) | | Presence of Redu | | | Stressed Plants (D1 | | |
| Algal Mat or Crust (B4 | _ | | ction in Tilled Soils (C6) | | nic Position (D2) | , | |
| Iron Deposits (B5) | | Thin Muck Surface | | Shallow Aq | | | |
| Inundation Visible on | | Other (Explain in I | Remarks) | | graphic Relief (D4) | | |
| Sparsely Vegetated Co | oncave Surface (B8) | | | | al Test (D5) | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No | _ ✓ Depth | (inches): | | | | |
| Water Table Present? | Yes No | ✓ Depth | (inches): | Wetland Hydro | ology Present? | Yes No _ ✓ | |
| Saturation Present? | Yes No _ | | (inches): | · | 0.08) 000 | | |
| | ies NO . | Бериі | (IIICHES). | | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data | (stream gauge, monitorir | ng well, aerial photo: | s, previous inspections), if a | available: | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | la calcada ano de la actual de No. | table to | - 6 4 4 | . In a constant | | | |
| The criterion for wetland | nydrology is not met. No | positive indication | of wetland hydrology was o | observed. | | | |
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|---|-----------|----------------------|---------------------|---|-------------|-----------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet Number of Dominant Speci | | | |
| 1. | 70 0010. | эрес.сэ. | | Are OBL, FACW, or FAC: | | 0 | (A) |
| 2. | | | | Total Number of Dominant | Species | 1 | (D) |
| 3. | | | | Across All Strata: | | <u>'</u> | (B) |
| 4. | | | | Percent of Dominant Specie | es That | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | | (,,,,, |
| 6. | | | | Prevalence Index workshee | et: | | |
| 7. | | | | Total % Cover of: | | <u>Multiply</u> | <u>By:</u> |
| ··· | 0 | = Total Cov | | OBL species | 0 | x 1 = _ | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - | CI | FACW species | 0 | x 2 = | 0 |
| 1. | | | | FAC species | 0 | x 3 = | 0 |
| 2. | | | | FACU species | 100 | x 4 = | 400 |
| 3. | | | | UPL species | 0 | x 5 = | 0 |
| - | | | | Column Totals | 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Index | = B/A = | 4 | |
| 5 | | | | Hydrophytic Vegetation Ind | licators: | | |
| 6 | | | | 1- Rapid Test for Hydr | ophytic V | egetation | |
| 7 | | | | 2 - Dominance Test is | | Ü | |
| | 0 | = Total Cov | /er | 3 - Prevalence Index is | s ≤ 3.0¹ | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Ada | ptations1 | (Provide | supporting |
| 1. Dactylis glomerata | 100 | Yes | FACU | data in Remarks or on a sep | parate sh | eet) | |
| 2 | | | | Problematic Hydrophy | ytic Veget | ation¹ (Ex | (plain) |
| 3 | | | | ¹ Indicators of hydric soil an | d wetland | d hydrolo | gy must be |
| 4 | | | | present, unless disturbed of | r probler | natic | |
| 5 | | | | Definitions of Vegetation St | rata: | | |
| 6 | | | | Tree – Woody plants 3 in. (7 | 7.6 cm) or | more in | diameter at |
| 7 | | | | breast height (DBH), regard | lless of he | eight. | |
| 8 | | | | Sapling/shrub – Woody plan | | | DBH and |
| 9 | | | | greater than or equal to 3.2 | | | |
| 10 | | | | Herb – All herbaceous (non | | | gardless of |
| 11. | | | | size, and woody plants less | | | |
| 12. | | | | Woody vines – All woody vi | nes great | er than 3 | .28 ft in |
| | 100 | = Total Cov | ver | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | | - | | Hydrophytic Vegetation Pr | esent? Y | 'es N | lo <u> </u> |
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| | 0 | = Total Cov | /er | | | | |
| | | - | | | | | |
| Remarks: (Include photo numbers here or on a separat | | | 0/ - 6 -l i | out on a death desired as EAC | | | |
| Pasture. No positive indication of hydrophytic vegetation | n was obs | erved (≥50 | % of domina | ant species indexed as FAC+ o | or drier). | | |
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| Profile Des | cription: (Describe | to the de | pth needed to do | cum | ent the i | ndicato | or confirm the al | bsence of indicators.) | |
|--------------|------------------------------|-----------|------------------|----------|-------------------|------------------|------------------------------|---------------------------|---------------------------------------|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | <u>%</u> | Type ¹ | Loc ² | To | exture | Remarks |
| 0 - 16 | 10YR 4/3 | 100 | | | | | Org ma | tter Silty Clay | |
| | | | | _ | | | | | |
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| ¹Type: C = 0 | Concentration, D = | Depletio | n, RM = Reduced | Matı | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Linin | g, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Probler | natic Hydric Soils³: |
| Histoso | l (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (| I RR K. I. MI RA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Sur | face | (S9) (LRR | R, MLR | A 149B) | Coast Prairie Redo | · · · · · · · · · · · · · · · · · · · |
| Black H | istic (A3) | | Loamy Mucky | Min | eral (F1) | (LRR K, | L) | | or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleyed | d Ma | trix (F2) | | | Dark Surface (S7) | |
| Stratifie | d Layers (A5) | | Depleted Mat | rix (I | - 3) | | | | |
| Deplete | d Below Dark Surfa | | | | | | | Polyvalue Below S | |
| Thick D | ark Surface (A12) | | Depleted Dar | k Su | rface (F7) | 1 | | Thin Dark Surface | |
| Sandy N | Mucky Mineral (S1) | | Redox Depres | ssior | ıs (F8) | | | _ | Masses (F12) (LRR K, L, R) |
| Sandy (| Gleyed Matrix (S4) | | • | | | | | • | ain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | • |) (MLRA 144A, 145, 149B) |
| | d Matrix (S6) | | | | | | | Red Parent Mater | |
| | | 41 DA 140 | ND) | | | | | Very Shallow Dark | Surface (TF12) |
| Dark St | ırface (S7) (LRR R, M | ILKA 149 | 'В) | | | | | Other (Explain in I | Remarks) |
| 3Indicators | of hydrophytic veg | etation a | ınd wetland hydr | ology | y must be | e preser | t, unless disturbe | d or problematic. | |
| Restrictive | Layer (if observed): | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No/_ |
| | Depth (inches): | | | | | - | | | |
| Remarks: | Depair (menes). | _ | | | | | | | |
| | indication of budgi | c coile w | as absorted The | crita | rian far l | budric c | ail is not mot Coil | a notontially disturbed t | from agricultural activities but |
| | | | | Crite | erion ior i | nyaric so | oii is not met. Soii: | s potentially disturbed i | from agricultural activities, but |
| not conside | ered to be a signific | ant distu | irbance. | | | | | | |
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Soil Photos



Photo of Sample Plot North





| Project/Site: Mill Point | City/C | County: , Montgomery | | Sampling Date: 2020-Nov-12 | | | | |
|---------------------------------|----------------------------------|-------------------------------------|---------------------|----------------------------|--------------------|--|--|--|
| Applicant/Owner: Connect | GEN | Sta | te: NY | Sampling Point: W-EH | | | | |
| Investigator(s): Elizabeth M | asi, Giovanni Pambianchi | Section, To | wnship, Range: G | len Township | | | | |
| Landform (hillslope, terrace, e | etc.): Hillslope | Local relief (concar | ve, convex, none): | Convex | Slope (%): 1 to 10 | | | |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.891 | 5144 Long: | -74.3961369 | Datum: WGS84 | | | |
| Soil Map Unit Name: Ma- N | /ladalin silty loam | | | NWI classification | n: None | | | |
| Are climatic/hydrologic condi | tions on the site typical for th | is time of year? Yes _ | ✓_ No (If no | o, explain in Remarks.) | | | | |
| Are Vegetation, Soil | , or Hydrology sig | nificantly disturbed? Are | "Normal Circums | tances" present? | Yes No | | | |
| Are Vegetation, Soil | , or Hydrology na | turally problematic? (If r | needed, explain ar | ny answers in Remarks. | .) | | | |
| | | | | | | | | |
| SUMMARY OF FINDINGS | - Attach site map showi | ng sampling point location | ns, transects, in | nportant features, | etc. | | | |
| Hydrophytic Vegetation Pres | - | | | | | | | |
| Hydric Soil Present? | Yes <u>✓</u> No | i | rea within a Wetlai | nd? Ve | sNo_ _ ∠ | | | |
| | | <u> </u> | | iid. | ,110 <u></u> _ | | | |
| Wetland Hydrology Present? | | | etland Site ID: | | | | | |
| • | e procedures here or in a sep | • | | | | | | |
| , | · · | rameters are present. Circumst | tances are not nor | mal due to agricultural | activities. | | | |
| Circumstances are not norm | al due to mowing of vegetation | on. | | | | | | |
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| LIVEROLOGY | | | | | | | | |
| HYDROLOGY | | | | | | | | |
| Wetland Hydrology Indicator | s: | | | | | | | |
| Primary Indicators (minimum | of one is required; check all | that apply) | Secondar | y Indicators (minimum | of two required) | | | |
| • | · | | | ce Soil Cracks (B6) | , | | | |
| Surface Water (A1) | | r-Stained Leaves (B9) | · | age Patterns (B10) | | | | |
| High Water Table (A2) | | tic Fauna (B13) | | Trim Lines (B16) | | | | |
| Saturation (A3) | | Deposits (B15) | | eason Water Table (C2) | 1 | | | |
| Water Marks (B1) | • | ogen Sulfide Odor (C1) | Crayfi | ish Burrows (C8) | | | | |
| Sediment Deposits (B2) | | zed Rhizospheres on Living Roo | nts ((3) | ation Visible on Aerial I | magery (C9) | | | |
| Drift Deposits (B3) | | nce of Reduced Iron (C4) | Stunte | ed or Stressed Plants ([| O1) | | | |
| Algal Mat or Crust (B4) | | nt Iron Reduction in Tilled Soils (| (C6) Geom | norphic Position (D2) | | | | |
| Iron Deposits (B5) | | Muck Surface (C7) | Shallo | ow Aquitard (D3) | | | | |
| Inundation Visible on Aer | | (Explain in Remarks) | | topographic Relief (D4) |) | | | |
| Sparsely Vegetated Conc | ave Surface (B8) | | | leutral Test (D5) | | | | |
| Field Observations: | | | | | | | | |
| Surface Water Present? | Yes No | Depth (inches): | | | | | | |
| Water Table Present? | Yes No _ _ / | Depth (inches): | Wetland I | Hydrology Present? | Yes No / _ | | | |
| Saturation Present? | Yes No _ ✓ | Depth (inches): | | | | | | |
| (includes capillary fringe) | | | | | | | | |
| | | | | | | | | |
| Describe Recorded Data (Stro | am gauge, monitoring well, | aerial photos, previous inspecti | ons), if available: | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Remarks: | | | | | | | | |
| | Irology is not met. Only one | secondary indicator observed. | | | | | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant | | Dominance Test worksheet: | a+ | |
|---|-------------|-------------|----------------|---|-----------------|-------------|
| 1. | % Cover | Species? | Status | Number of Dominant Species Th Are OBL, FACW, or FAC: | ^{al} 0 | (A) |
| 2. | | | | Total Number of Dominant Spec | es | (D) |
| 3. | | | | Across All Strata: | 11 | (B) |
| 4. | | | | Percent of Dominant Species Th | it 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (A/B) |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | Multiply | <u>By:</u> |
| ·· | 0 | = Total Cov | or . | OBL species 0 | x 1 = | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - Iotal Cov | Ci | FACW species 0 | x 2 = | 0 |
| 1. | | | | FAC species 0 | x 3 = | 0 |
| | | | | FACU species 100 | x 4 = | 400 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Index = B/A | = 4 | |
| 5 | | | | Hydrophytic Vegetation Indicato | s: | |
| 6 | | | | 1- Rapid Test for Hydrophy | ic Vegetatior | n |
| 7 | | | | 2 - Dominance Test is > 509 | _ | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ 3. |)1 | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptatio | ns¹ (Provide | supporting |
| 1. Dactylis glomerata | 90 | Yes | FACU | data in Remarks or on a separat | sheet) | |
| 2. <u>Trifolium repens</u> | 10 | No | FACU | Problematic Hydrophytic V | getation¹ (E: | xplain) |
| 3 | | | | ¹ Indicators of hydric soil and we | and hydrolo | gy must be |
| 4 | | | | present, unless disturbed or pro | olematic | |
| 5 | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm |) or more in | diameter at |
| 7 | | | | breast height (DBH), regardless | f height. | |
| 8 | | | | Sapling/shrub – Woody plants le | | DBH and |
| 9 | | | | greater than or equal to 3.28 ft (| | |
| 10 | | | | Herb – All herbaceous (non-woo | | gardless of |
| 11 | | | | size, and woody plants less than | | |
| 12 | | | | Woody vines – All woody vines g | eater than 3 | .28 ft in |
| | 100 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size: 30 ft) | | - | | Hydrophytic Vegetation Present | ? Yes N | Vo <u> </u> |
| 1 | | | | | | |
| 2 | | | | | | |
| 3. | | · | | | | |
| 4. | | | | | | |
| | 0 | = Total Cov | er | | | |
| Remarks: (Include photo numbers here or on a separat | o choot) | <u>-</u> | | | | |
| Pasture. No positive indication of hydrophytic vegetation | | aniad (>E0 | 04 of domina | ant species indeved as EAC- or dri | r) | |
| Pasture. No positive indication of hydrophytic vegetation | III Was obs | erveu (≥50 | % OI GOITIIIIa | ant species indexed as FAC- or dri | 1). | |
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| | cription: (Describe | to the d | | | | ndicato | or confirm the a | bsence of indicato | ors.) |
|--------------|-----------------------|----------|-------------------|----------|-------------------|------------------|-----------------------------|--------------------|--|
| Depth | Matrix | | Redox | | | | _ | | |
| (inches) | Color (moist) | %_ | Color (moist) | <u>%</u> | Type ¹ | Loc2 | Text | | Remarks |
| 0 - 8 | 7.5YR 3/2 | 100 | | | | | Silty Clay | | Mixed |
| 8 - 12 | 10YR 4/2 | 50 | 10YR 5/8 | 50 | C | M | Silty Cla | y Loam | Mixed |
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| ¹Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore | e Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Pr | roblematic Hydric Soils³: |
| Histoso | l (A1) | | Polyvalue Be | low S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (| A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Su | | | | | | e Redox (A16) (LRR K, L, R) |
| Black H | istic (A3) | | Loamy Muck | y Min | eral (F1) | (LRR K, I | _) | | Peat or Peat (S3) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | Dark Surface | |
| Stratifie | ed Layers (A5) | | _✓ Depleted Ma | trix (l | - 3) | | | | |
| Deplete | ed Below Dark Surf | ace (A1 | I) Redox Dark S | Surfa | ce (F6) | | | | elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) |
| Thick D | ark Surface (A12) | | Depleted Da | rk Sui | rface (F7) | | | | |
| Sandy I | Mucky Mineral (S1) | | Redox Depre | ssior | ıs (F8) | | | _ | nese Masses (F12) (LRR K, L, R) |
| Sandy | Gleyed Matrix (S4) | | | | | | | | oodplain Soils (F19) (MLRA 149B) |
| Sandy I | Redox (S5) | | | | | | | | c (TA6) (MLRA 144A, 145, 149B) |
| Strippe | d Matrix (S6) | | | | | | | Red Parent I | |
| | urface (S7) (LRR R, I | MI RA 14 | 19B) | | | | | | v Dark Surface (TF12) |
| | | | , | | | | | Other (Expla | ain in Remarks) |
| | of hydrophytic veg | | and wetland hyd | rolog | y must be | e presen | t, unless disturbe | ed or problematic. | |
| Restrictive | Layer (if observed) |): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive i | ndication of hydric | soil wa | s observed. The c | riterio | on for hyd | dric soil | is met. | | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Fu | ltonville, Montgomery | Sampling Date: 2020-Nov-12 | | | |
|--|--|-------------------------------|---|--|--|--|
| Applicant/Owner: Connect(| GEN | State: | Sampling Point: W-EHM-07_PEM-1 | | | |
| Investigator(s): Elizabeth Ma | asi, Giovanni Pambianchi | Section, Township | Range: Glen Township | | | |
| Landform (hillslope, terrace, e | tc.): Depression | Local relief (concave, conv | vex, none): Concave Slope (%): 1 to | | | |
| Subregion (LRR or MLRA): | LRR L | Lat: 42.8912979 | Long: -74.3920517 Datum: WGS8 | | | |
| Soil Map Unit Name: Lansir | ng silt loam, 3 to 8 percent slopes | | NWI classification: None | | | |
| Are climatic/hydrologic conditi | ons on the site typical for this time of y | /ear? Yes <u></u> ✓ No | (If no, explain in Remarks.) | | | |
| Are Vegetation, Soil | or Hydrology significantly o | disturbed? Are "Norm | al Circumstances" present? Yes No | | | |
| Are Vegetation, Soil | _, or Hydrology naturally pro | blematic? (If needed, | explain any answers in Remarks.) | | | |
| | | | | | | |
| SUMMARY OF FINDINGS - | - Attach site map showing samp | ling point locations, tra | nsects, important features, etc. | | | |
| Hydrophytic Vegetation Prese | | | · | | | |
| | | la tha Canadad Ana anith | o a Mariando Vara de Na | | | |
| Hydric Soil Present? | Yes _ ∠ _ No | Is the Sampled Area with | | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland S | ite ID: W-EHM-07 | | | |
| Remarks: (Explain alternative | procedures here or in a separate repo | rt) | | | | |
| | | | | | | |
| | | | | | | |
| HYDROLOGY | | | | | | |
| Wetland Hydrology Indicators | : | | | | | |
| Primary Indicators (minimum | of one is required; check all that apply |) | Secondary Indicators (minimum of two required) | | | |
| C | · · · · · · · · · · · · · · · · · · · | (DO) | Surface Soil Cracks (B6) | | | |
| Surface Water (A1) | Water-Stained Lo | | ✓ Drainage Patterns (B10) | | | |
| High Water Table (A2) ∕ Saturation (A3) | Aquatic Fauna (E Marl Deposits (B | | Moss Trim Lines (B16) | | | |
| Water Marks (B1) | Mai Deposits (B Hydrogen Sulfid | | Dry-Season Water Table (C2) | | | |
| Sediment Deposits (B2) | , , | pheres on Living Roots (C3) | Crayfish Burrows (C8) | | | |
| Drift Deposits (B3) | Presence of Red | | ✓ Saturation Visible on Aerial Imagery (C9) | | | |
| Algal Mat or Crust (B4) | | uction in Tilled Soils (C6) | Stunted or Stressed Plants (D1) | | | |
| Iron Deposits (B5) | Thin Muck Surfa | | ✓ Geomorphic Position (D2) | | | |
| Inundation Visible on Aeri | | | Shallow Aquitard (D3) | | | |
| Sparsely Vegetated Conca | <u> </u> | • | ✓ Microtopographic Relief (D4) | | | |
| = 1151 | | | FAC-Neutral Test (D5) | | | |
| Field Observations: | | | | | | |
| Surface Water Present? | • | h (inches): | _ | | | |
| Water Table Present? | Yes No _ _/ Dept | h (inches): | Wetland Hydrology Present? Yes No | | | |
| Saturation Present? | Yes No Dept | th (inches): 2 | | | | |
| (includes capillary fringe) | | | | | | |
| | am gauge, monitoring well, aerial phot | os previous inspections) if | available. | | | |
| | um gaage, monitoring wen, acriai prioc | os, previous inspections,, ii | available. | | | |
| Remarks: | | | | | | |
| The criterion for wetland hyd | rology is met. A positive indication of w | etland hydrology was obser | ved (primary and secondary indicators were pres | | | |
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| Tree Stratum (Plot size:30 ft) | | Dominant Species? | Indicator Status | Dominance Test works Number of Dominant Are OBL, FACW, or FAC | Species That | 2 | (A) |
|--|-------------|----------------------|---------------------|---|-----------------|--------------|-------------|
| 1 | | | | Total Number of Domi | | 2 | (B) |
| 3 | | | | Percent of Dominant S Are OBL, FACW, or FAC | | 100 | (A/B) |
| 5. | | | | Prevalence Index worl | sheet: | | · |
| 6 7. | | | | Total % Cover | of: | Multiply | <u>Ву:</u> |
| / | | - Tatal Caus | _ | OBL species | 60 | x 1 = | 60 |
| South of Charles Street and (Diet since 45 ft.) | 0 | = Total Cove | er . | FACW species | 20 | x 2 = | 40 |
| Sapling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 10 | x 3 = | 30 |
| 1. | | | | FACU species | 0 | x 4 = | 0 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 90 | (A) | 130 (B) |
| 4 | | | | Prevalence I | ndex = B/A = | 1.4 | |
| 5 | | | | Hydrophytic Vegetatio | n Indicators: | , | |
| 5 | | | | 1- Rapid Test for | | egetation/ | |
| 7 | | | | ✓ 2 - Dominance Te | | 0 | |
| | 0 | = Total Cove | er . | ✓ 3 - Prevalence Inc | | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphologica | | (Provide : | supporting |
| 1. <i>Carex typhina</i> | 60 | Yes | OBL | data in Remarks or on | • | - | |
| 2. <i>Phalaris arundinacea</i> | 20 | Yes | FACW | Problematic Hyd | rophytic Vege | tation¹ (Ex | plain) |
| 3. <i>Euthamia caroliniana</i> | 10 | No | FAC | ¹Indicators of hydric so | oil and wetlan | d hydrolog | gy must be |
| 4 | | | | present, unless disturl | oed or proble | matic | |
| 5 | | | | Definitions of Vegetati | on Strata: | | |
| 5 | | | | Tree – Woody plants 3 | in. (7.6 cm) or | more in c | diameter at |
| 7. | | | | breast height (DBH), re | egardless of h | eight. | |
| 3 | | | | Sapling/shrub - Wood | y plants less t | han 3 in. D | BH and |
| Э | | | | greater than or equal | to 3.28 ft (1 m |) tall. | |
| 10 | | | | Herb – All herbaceous | | | gardless of |
| 11. | | | | size, and woody plants | | | |
| 12. | | | | Woody vines – All woo | dy vines grea | ter than 3. | 28 ft in |
| | 90 | = Total Cove | r | height. | | | |
| Woody Vine Stratum (Plot size:30 ft) | | • | | Hydrophytic Vegetation | on Present? ` | ∕es <u> </u> | lo |
| 1 | | | | | | | |
| 2. | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | = Total Cove | er | | | | |

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

| | • | to the d | • | | | ndicator | or confirm the al | osence of indicator | s.) |
|-------------------|------------------------------|----------|------------------|----------|--|------------------|------------------------------|------------------------|--|
| Depth _ | Matrix | % | Color (moist) | | | 1002 | Text | uro | Domarke |
| (inches) 0 - 5 | Color (moist) | | Color (moist) | <u>%</u> | Type ¹ | Loc ² | | | Remarks |
| | 10YR 4/1 | 100 | 40VD 5 (0 | | | | Silty Clay Mucky Silty Clay | | Mixed |
| 5 - 16 | 10YR 4/1 | 80 | 10YR 5/8 | 20 | | M | миску S | lity Clay | Mixed |
| | | | | | | | | | |
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| | | | | | | | | | _ |
| ¹Type: C = 0 | Concentration, D = | Depleti | on, RM = Reduced | d Mat | rix, MS = | Masked : | Sand Grains. ² Lo | ocation: PL = Pore I | Lining, M = Matrix. |
| Hydric Soil | | <u>'</u> | • | | <u>, </u> | | | | oblematic Hydric Soils³: |
| Histoso | | | Polyvalue Be | low S | urface (S | 8) (LRR R | . MLRA 149B) | | • |
| | pipedon (A2) | | Thin Dark Su | | | | | | 10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Muck | | | | | | Redox (A16) (LRR K, L, R) |
| Hydrog | en Sulfide (A4) | | Loamy Gleye | - | | | | | Peat or Peat (S3) (LRR K, L, R) |
| | ed Layers (A5) | | _✓ Depleted Ma | | | | | Dark Surface | ow Surface (S8) (LRR K, L) |
| Deplete | ed Below Dark Surf | ace (A1 | I) Redox Dark | Surfa | ce (F6) | | | • | face (S9) (LRR K, L) |
| | ark Surface (A12) | | Depleted Da | | | | | | ese Masses (F12) (LRR K, L, R) |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | essior | ns (F8) | | | | odplain Soils (F19) (MLRA 149B) |
| Sandy (| Gleyed Matrix (S4) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| Sandy F | Redox (S5) | | | | | | | Red Parent M | |
| Strippe | d Matrix (S6) | | | | | | | | Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, I | MLRA 14 | 19B) | | | | | Other (Explain | |
| | | | | | | | | • | ii iii Keiliaiks) |
| - | of hydrophytic veg | | and wetland hyd | rolog | y must be | e present | t, unless disturbe | d or problematic. | |
| Restrictive | Layer (if observed) |): | | | | | | | |
| | Type: | | None | _ | | Hydric | Soil Present? | , | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive i | ndication of hydric | soil wa | s observed. Obse | rved s | soil comp | action w | as due to agricult | tural activities. Soil | significantly disturbed as a result of |
| tilling. | | | | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | | City/County:_ , | | Sampling Date: 2020-Nov-12 | | | |
|---|-----------------------|--|----------------------------------|----------------------------|------------------------|--|--|
| Applicant/Owner: Con | nectGEN | | State: | Sampling Point | : W-EHM-07_UPL-1 | | |
| Investigator(s): Elizabe | th Masi, Giovanni Pa | mbianchi | Section, Township, | Range: Glen Township | | | |
| Landform (hillslope, terra | ce, etc.): Hillslop | ре | Local relief (concave, conv | ex, none): Convex | Slope (%): 1 to 10 | | |
| Subregion (LRR or MLRA): | LRR L | | Lat: 42.8912991 | Long: -74.3920813 | Datum: WGS84 | | |
| Soil Map Unit Name:L | aC- Lansing silt loam | i | | NWI class | ification: None | | |
| Are climatic/hydrologic co | onditions on the site | typical for this time of ye | ear? Yes 🟒 No | (If no, explain in Ren | narks.) | | |
| Are Vegetation, Sc | il 🟒, or Hydro | logy significantly di | sturbed? Are "Norma | al Circumstances" present | ? Yes No _ _/ | | |
| Are Vegetation, Sc | il, or Hydro | logy naturally prob | lematic? (If needed, | explain any answers in Re | marks.) | | |
| | | | | | | | |
| SUMMARY OF FINDIN | IGS – Attach site r | map showing sampli | ng point locations, tran | sects, important feat | ures, etc. | | |
| Hydrophytic Vegetation | Present? | Yes No | | | | | |
| Hydric Soil Present? | | Yes No | Is the Sampled Area within | n a Wetland? | Yes No _ ∠ _ | | |
| Wetland Hydrology Pres | ent? | Yes No | If yes, optional Wetland Si | te ID: | | | |
| | | re or in a separate report | | | | | |
| · • | • | • | o. e present. Circumstances a | | | | |
| Circumstances are not n | ormal due to mowing | g of vegetation. | | | | | |
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| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indic | ators: | | | | | | |
| Primary Indicators (mini | | red: check all that annly) | | Secondary Indicators (mi | nimum of two required) | | |
| 1 Timary marcacors (minin | nam or one is requir | ea, eneck all that apply) | | Surface Soil Cracks (B | • | | |
| Surface Water (A1) | | Water-Stained Lea | | Drainage Patterns (B1 | • | | |
| High Water Table (A2 |) | Aquatic Fauna (B1 | | Moss Trim Lines (B16) | | | |
| Saturation (A3) | | Marl Deposits (B1 | | Dry-Season Water Tak | | | |
| Water Marks (B1) | 22) | Hydrogen Sulfide | heres on Living Roots (C3) | Crayfish Burrows (C8) | ı | | |
| Sediment Deposits (E | · ∠) | Oxidized Rifizospi Presence of Redu | • | Saturation Visible on A | Aerial Imagery (C9) | | |
| Drift Deposits (B3) Algal Mat or Crust (B4 | 1) | | ction in Tilled Soils (C6) | Stunted or Stressed P | lants (D1) | | |
| Iron Deposits (B5) | *) | Thin Muck Surface | | Geomorphic Position | | | |
| Inundation Visible on | Aerial Imagery (R7) | Other (Explain in I | | Shallow Aquitard (D3) | | | |
| Sparsely Vegetated C | | | Nerriarks) | Microtopographic Rel | ief (D4) | | |
| | | | | FAC-Neutral Test (D5) | | | |
| Field Observations: Surface Water Present? | Yes | No. / Donth | (inches): | | | | |
| Water Table Present? | | | (inches): | Wetland Hydrology Prese | ent? Yes No | | |
| | | | · - | Wedalia Hydrology Frese | HILF 163 NO | | |
| Saturation Present? | | No 🟒 Depth | (inches): | | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data | (stream gauge, mon | itoring well, aerial photo | s, previous inspections), if a | vailable: | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| The criterion for wetland | hydrology is not me | et. No positive indication | of wetland hydrology was o | bserved. | | | |
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|---|-----------|----------------------|---------------------|--|--------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species Tha | ıt | |
| 1. | 70 COVEI | 3pecies: | | Are OBL, FACW, or FAC: | 0 | (A) |
| 2. | | | | Total Number of Dominant Specie | es 2 | |
| 3. | | | | Across All Strata: | 2 | (B) |
| 4. | | | | Percent of Dominant Species Tha | t 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (74'15) |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | <u>Total % Cover of:</u> | Multiply | By: |
| ·· | 0 | = Total Cov | or . | OBL species 0 | x 1 = | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - Iotal Cov | CI | FACW species 0 | x 2 = | 0 |
| 1. | | | | FAC species 0 | x 3 = | 0 |
| - | | | | FACU species 100 | x 4 = | 400 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Index = B/A | =4 | |
| 5 | | | | Hydrophytic Vegetation Indicator | ; : | |
| 6 | | | | 1- Rapid Test for Hydrophyti | | า |
| 7 | | | | 2 - Dominance Test is > 50% | J | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is ≤ 3.0 | 1 | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptatio | ns¹ (Provide | supporting |
| 1. Dactylis glomerata | 80 | Yes | FACU | data in Remarks or on a separate | | 11 0 |
| 2. Trifolium repens | 20 | Yes | FACU | Problematic Hydrophytic Ve | | xplain) |
| 3 | | | | ¹ Indicators of hydric soil and wetl | and hydrolo | gy must be |
| 4 | | | | present, unless disturbed or prob | lematic | |
| 5 | | | | Definitions of Vegetation Strata: | | _ |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) | or more in | diameter at |
| 7 | | | | breast height (DBH), regardless o | height. | |
| 8 | | | | Sapling/shrub – Woody plants les | | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 | | |
| 10 | | | | Herb – All herbaceous (non-wood | | gardless of |
| 11. | | | | size, and woody plants less than : | | |
| 12. | | | | Woody vines – All woody vines gr | eater than 3 | 3.28 ft in |
| | 100 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | - | | Hydrophytic Vegetation Present? | Yes N | No <u>~</u> |
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| <u> </u> | 0 | = Total Cov | er | | | |
| | | • | | <u></u> | | |
| Remarks: (Include photo numbers here or on a separat | | | | | | |
| Pasture. No positive indication of hydrophytic vegetation | n was obs | erved (≥50 | % of domina | ant species indexed as FAC– or drie |). | |
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| | cription: (Describe | to the de | • | | | ndicator | or confirm the ab | osence of indicators. |) | | |
|-------------|------------------------------|-----------|------------------|---------|-------------------|-----------|------------------------------|------------------------|------------------|-------------------|--------------|
| Depth | Matrix | | Redox | Feat | ures | | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Tex | xture | | Re | marks |
| 0 - 14 | 10YR 4/3 | 100 | | | | | Gravelly | / Silt Loam | | N | /lixed |
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| | | | | _ | | | | | | | |
| | | Depletio | n, RM = Reduced | Matı | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Li | | | • |
| Hydric Soil | | | | | _ | | | Indicators for Prob | lematic | Hydric S | ooils3: |
| Histoso | | | • | | | | R, MLRA 149B) | 2 cm Muck (A1 | 0) (LRR K | , L, MLR | A 149B) |
| | pipedon (A2) | | Thin Dark Su | | | | | Coast Prairie R | edox (A1 | 6) (LRR | K, L, R) |
| | istic (A3) | | Loamy Muck | | | (LRR K, I | _) | 5 cm Mucky Pe | at or Pea | at (S3) (I | _RR K, L, R) |
| Hydroge | en Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | Dark Surface (S | | | , |
| Stratifie | d Layers (A5) | | Depleted Ma | trix (f | - 3) | | | Polyvalue Belov | | | RR K I) |
| Deplete | d Below Dark Surfa | ace (A11) | Redox Dark S | urfa | ce (F6) | | | Thin Dark Surfa | | | |
| Thick Da | ark Surface (A12) | | Depleted Dar | k Su | rface (F7) |) | | Iron-Manganes | | | |
| Sandy N | Mucky Mineral (S1) | | Redox Depre | ssior | ıs (F8) | | | _ | | | |
| Sandy C | Gleyed Matrix (S4) | | | | | | | Piedmont Floor | • | | |
| - | Redox (S5) | | | | | | | Mesic Spodic (1 | | | , 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent Ma | | | |
| | | AI DA 140 | ND) | | | | | Very Shallow D | ark Surf | ace (TF1 | 2) |
| Dark Su | ırface (S7) (LRR R, N | ILKA 145 | ю) | | | | | Other (Explain | in Rema | rks) | |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | ology | y must be | e presen | t, unless disturbe | d or problematic. | | | |
| Restrictive | Layer (if observed): | | | | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | | Yes | _ No _, | _ |
| | Depth (inches): | | | • | | 1 | | | | | _ |
| Remarks: | Deptir (inches). | | | | | | | | | | |
| No positive | indication of hydri | c soils w | as observed. The | crite | rion for l | hydric so | il is not met. Soil | significantly disturbe | ed as a r | esult of | tilling. |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City | /County: Fultonville, Mont | gomery | Sampling Date: 2020-Nov-13 | | | | |
|------------------------------------|----------------------------|-------------------------------|------------------------|---|---------------------|--|--|--|
| Applicant/Owner: ConnectGE | :N | | State: NY | Sampling Point: W-EHM-09_PEM-1 | | | | |
| Investigator(s): Elizabeth Mas | i, Giovanni Pambianchi | Secti | on, Township, Range | : Glen Township | | | | |
| Landform (hillslope, terrace, etc. | .): Depression | Local relief | concave, convex, no | ne): Concave | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): | LRR L | Lat: | 42.8925980627 Lo | ong: -74.3844204311 | Datum: WGS84 | | | |
| Soil Map Unit Name: Madalin | silty clay loam, 0 to 3 pe | rcent slopes | _ | NWI classifica | ation: None | | | |
| Are climatic/hydrologic condition | ns on the site typical for | this time of year? | Yes _ ✓ _ No (| (If no, explain in Remarl | KS.) | | | |
| Are Vegetation, Soil, | or Hydrologys | significantly disturbed? | Are "Normal Circ | umstances" present? | Yes _ ✓ No | | | |
| Are Vegetation, Soil, | or Hydrology r | naturally problematic? | (If needed, explai | n any answers in Rema | rks.) | | | |
| | | | | | | | | |
| SUMMARY OF FINDINGS - A | Attach site map show | wing sampling point lo | cations. transects | s. important feature | es. etc. | | | |
| | - - | | , | ,,, | | | | |
| Hydrophytic Vegetation Presen | | j | | | | | | |
| Hydric Soil Present? | Yes 🟒 N | No Is the Samp | oled Area within a We | etland? | ⁄es⁄_ No | | | |
| Wetland Hydrology Present? | Yes N | o If yes, optio | nal Wetland Site ID: | 1 | W-EHM-09 | | | |
| Remarks: (Explain alternative p | rocedures here or in a se | eparate report) | | | | | | |
| Covertype is PEM. Area is wetla | nd, all three wetland par | ameters are present. | | | | | | |
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| HYDROLOGY | | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | | |
| Primary Indicators (minimum o | f and is required; shock | all that apply) | Socor | adan, Indicators (minim | um of two required) | | | |
| Primary indicators (minimum o | i one is required, check a | <u>ан спас арріу)</u> | | ndary Indicators (minim | um or two required) | | | |
| Surface Water (A1) | Wat | er-Stained Leaves (B9) | | Surface Soil Cracks (B6) Drainage Patterns (B10) | | | | |
| High Water Table (A2) | Aqu | iatic Fauna (B13) | | Moss Trim Lines (B16) | | | | |
| Saturation (A3) | | l Deposits (B15) | | Dry-Season Water Table (C2) | | | | |
| Water Marks (B1) | • | lrogen Sulfide Odor (C1) | Cr | Cravfish Burrows (C8) | | | | |
| Sediment Deposits (B2) | | dized Rhizospheres on Livi | ng Roots (C3) | aturation Visible on Aeri | ial Imagery (C9) | | | |
| Drift Deposits (B3) | | sence of Reduced Iron (C4) | St | unted or Stressed Plant | | | | |
| Algal Mat or Crust (B4) | | ent Iron Reduction in Tilled | 1 SOIIS ((b) | ✓ Geomorphic Position (D2) | | | | |
| Iron Deposits (B5) | | n Muck Surface (C7) | | nallow Aquitard (D3) | , | | | |
| Inundation Visible on Aerial | o , | er (Explain in Remarks) | | Microtopographic Relief (D4) | | | | |
| Sparsely Vegetated Concave | : Surface (B8) | | | AC-Neutral Test (D5) | | | | |
| Field Observations: | | | | | | | | |
| Surface Water Present? | Yes No _ _ / | Depth (inches): | | | | | | |
| Water Table Present? | Yes No _ _/ | Depth (inches): | Wetla | and Hydrology Present? | Yes No | | | |
| Saturation Present? | Yes No _ ✓ | Depth (inches): | | , | | | | |
| | 163140 | Deptir (inches). | | | | | | |
| (includes capillary fringe) | | | | | | | | |
| Describe Recorded Data (strear | n gauge, monitoring wel | l, aerial photos, previous ir | spections), if availab | ile: | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Remarks: | | | | | | | | |
| The criterion for wetland hydro | logy is met. A positive in | dication of wetland hydrol | ogv was observed (at | least one primary indi | cator). A positive | | | |
| indication of wetland hydrology | | , | -8) (| , | | | | |
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| Tree Stratum (Plot size:30 ft) | | Dominant Species? | Indicator Status | Dominance Test worksh Number of Dominant Sp | | 2 | (A) |
|---|-----|----------------------|---------------------|--|--------------------|----------------|-------------|
| 1 | | | | Are OBL, FACW, or FAC: Total Number of Domin | ant Species | | |
| 2. | | | | Across All Strata: | ant species | 2 | (B) |
| 3. | | | | Percent of Dominant Sp | ecies That | 400 | |
| 4 5. | | | | Are OBL, FACW, or FAC: | | 100 | (A/B) |
| 6. | | | | Prevalence Index works | heet: | | |
| 7. | | | | Total % Cover of | of: | Multiply I | <u>Ву:</u> |
| /· | | = Total Cov | or | OBL species | 20 | x 1 = | 20 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | _ TOTAL COV | CI | FACW species | 100 | x 2 = | 200 |
| 1. | | | | FAC species | 0 | x 3 = | 0 |
| 2. | | | | FACU species | 0 | x 4 = | 0 |
| 3. | | | | UPL species | 0 | x 5 = | 0 |
| 4. | | | | Column Totals | 120 | (A) | 220 (B) |
| 5. | | | | Prevalence Inc | dex = B/A = | 1.8 | |
| 6. | | | | Hydrophytic Vegetation | Indicators: | | |
| 7. | | | | 1- Rapid Test for H | ydrophytic V | egetation | |
| /· | 0 | - Total Cou | | 2 - Dominance Tes | t is >50% | | |
| Harb Christian (Diet sine) F ft | | = Total Cov | er | 3 - Prevalence Inde | ex is $\leq 3.0^1$ | | |
| Herb Stratum (Plot size:5 ft) 1. Phalaris arundinacea | 70 | Voc | FACW | 4 - Morphological / | | | supporting |
| - | | Yes | | data in Remarks or on a | | | |
| 2. Vernonia noveboracensis | 30 | Yes | FACW | Problematic Hydro | . , . | - | |
| 3. Carex typhina | 20 | <u>No</u> | OBL | ¹Indicators of hydric soil | | - | gy must be |
| 4. | | | | present, unless disturbe | | matic | |
| 5. | | | | Definitions of Vegetation | | | |
| 6. | | | | Tree – Woody plants 3 in | | | liameter at |
| 7. | | | | breast height (DBH), reg | | _ | DII amal |
| 8 | | | | Sapling/shrub – Woody greater than or equal to | | | вн апо |
| 9. | | | | Herb – All herbaceous (r | | | ardless of |
| 10 | | | | size, and woody plants l | - | | ar aress or |
| 11. | | | | Woody vines – All wood | | | 28 ft in |
| 12 | | | | height. | , | | |
| | 120 | _= Total Cov | er | Hydrophytic Vegetation | Present? \ | /es / N | 0 |
| Woody Vine Stratum (Plot size:30 ft) | | | | Trydrophytic vegetation | i i i cociic. | C3 <u>v</u> IV | · |
| 1 | | | | | | | |
| 2. | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | _= Total Cov | er | | | | |
| Remarks: (Include photo numbers here or on a separate A positive indication of hydrophytic vegetation was obs | - | 0% of domin | ant species | indexed as OBL, FACW, or | FAC). | | |
| | | | | | | | |

| | • | to the | • | | | indicato | r or confirm the al | bsence of indicators.) |
|-------------------|--------------------------------------|-----------|--------------------|--------|-------------------|------------------|------------------------------|--|
| Depth (inches) | Matrix Color (moist) | <u></u> % | Redo Color (moist) | | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 4 | 10YR 4/1 | 100 | Color (Illoist) | 70 | туре | LUC- | lexture | Remarks |
| 4 - 16 | 10YR 5/1 | 90 | 10YR 5/8 | 10 | | M/PL | Silty Clay | |
| 4-10 | 1018 3/1 | | 1011 3/6 | 10 | | IVI/FL | Silty Clay | |
| | | | | _ | | | | |
| | | - — | | | | | | |
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| | | - — | | _ | | | | |
| | | - — | | | - | | - | |
| | | - — | | | | | | |
| | | | | | | | | |
| ¹Type: C = | Concentration, D = | Deplet | ion, RM = Reduce | d Ma | trix, MS | = Masked | Sand Grains. ² Lo | ocation: PL = Pore Lining, M = Matrix. |
| _ | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | ` ' | | | | | | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark S | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | Histic (A3) | | Loamy Muc | | | | L) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | gen Sulfide (A4) | | Loamy Gley | | |) | | Dark Surface (S7) (LRR K, L) |
| | ed Layers (A5) ed Below Dark Surf | faco (A1 | / Depleted M | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | oark Surface (A12) | iace (Ai | Depleted Da | | | 7) | | Thin Dark Surface (S9) (LRR K, L) |
| | Mucky Mineral (S1) | 1 | Redox Depr | | | ,, | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | | 233.0 | (. 0) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| _ | ed Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | urface (S7) (LRR R, I | MI RA 1 | 49R) | | | | | Very Shallow Dark Surface (TF12) |
| Bank s | arrace (37) (Erricit) | | 155, | | | | | Other (Explain in Remarks) |
| | of hydrophytic ve | | and wetland hyd | drolog | gy must | be preser | nt, unless disturbe | ed or problematic. |
| Restrictive | Layer (if observed) |): | | | | | | |
| | Type: | | None | | | Hydric S | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive | indication of hydric | soil wa | s observed. The | criter | ion for h | ydric soil | is met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Poin | t | | | City/County: Full | onville, Montgomery | | Sampling Date: 2020-Nov-13 | | | | |
|-------------------------|---|--------------|---------|----------------------------|----------------------------|---------------------------------------|---|--------------------|--|--|--|
| Applicant/Owner: 0 | ConnectGEN | | | · · | State: N | Υ | Sampling Point: W-E | HM-09_UPL-1 | | | |
| Investigator(s): Eliza | stigator(s): Elizabeth Masi, Giovanni Pambianchi Section, Tow | | | | | | len Township | | | | |
| Landform (hillslope, to | errace, etc.): | Hillslop | oe | | Local relief (concave, co | nvex, none): | Convex | Slope (%): 1 to 3 | | | |
| Subregion (LRR or ML | RA): LRR | ł L | | | Lat: 42.8925805 | 086 Long: | -74.384373573 | Datum: WGS84 | | | |
| Soil Map Unit Name: | Madalin silt | ty clay loan | n, 0 to | 3 percent slopes | | | NWI classificati | on: None | | | |
| Are climatic/hydrologi | c conditions o | on the site | typical | for this time of ye | ear? Yes 🔽 N | lo (If no | o, explain in Remarks | .) | | | |
| Are Vegetation, | Soil, | or Hydrol | ogy_ | significantly d | isturbed? Are "Nor | mal Circumst | tances" present? | Yes No | | | |
| Are Vegetation, | Soil, | or Hydrol | ogy_ | naturally prob | lematic? (If neede | d, explain an | y answers in Remark | s.) | | | |
| | | | | | | | | | | | |
| SUMMARY OF FINI | DINGS – Att | ach site r | nap s | howing sampli | ng point locations, tr | ansects, im | nportant features, | etc. | | | |
| Hydrophytic Vegetati | on Present? | | Vac | No / _ | <u> </u> | | | | | | |
| Hydric Soil Present? | on resent. | | | | Is the Sampled Area wit | hin a Watlan | do V | es No⁄_ | | | |
| - | | | | No / _ | i i | | u: re | :s INO <u></u> | | | |
| Wetland Hydrology P | resent? | | Yes _ | No / | If yes, optional Wetland | Site ID: | | | | | |
| Remarks: (Explain alt | | | | | | | | | | | |
| Covertype is UPL. Are | a is upland, n | ot all three | wetla | nd parameters ar | e present. Circumstances | are not nor | mal due to agricultur | al activities. | | | |
| Circumstances are no | t normal due | to mowing | g of ve | getation. | | | | | | | |
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| HYDROLOGY | | | | | | | | | | | |
| | | | | | | | | | | | |
| Wetland Hydrology Ir | | | | | | | | | | | |
| Primary Indicators (m | <u>iinimum of or</u> | ne is requir | ed; ch | <u>eck all that apply)</u> | | - | <u>y Indicators (minimu</u> | n of two required) | | | |
| Surface Water (A1 |) | | | Water-Stained Le | aves (B9) | · · · · · · · · · · · · · · · · · · · | Surface Soil Cracks (B6) | | | | |
| High Water Table | - | | | Aquatic Fauna (B | | | Drainage Patterns (B10) | | | | |
| Saturation (A3) | . , | | | Marl Deposits (B | | Moss Trim Lines (B16) | | | | | |
| Water Marks (B1) | | | | Hydrogen Sulfide | | Dry-Season Water Table (C2) | | | | | |
| Sediment Deposit | s (B2) | | | | heres on Living Roots (C3 | Crayfish Burrows (C8) | | | | | |
| Drift Deposits (B3 | | | | Presence of Redu | • | Satura | Saturation Visible on Aerial Imagery (C9) | | | | |
| Algal Mat or Crust | | | | | ction in Tilled Soils (C6) | | ed or Stressed Plants | (D1) | | | |
| Iron Deposits (B5) | | | | Thin Muck Surfac | | | orphic Position (D2) | | | | |
| Inundation Visible | | agery (B7) | | Other (Explain in | | | allow Aquitard (D3) | | | | |
| Sparsely Vegetate | | - | | Other (Explain in | Nemarks) | Microt | Microtopographic Relief (D4) | | | | |
| sparsely vegetate | a concave su | irrace (DO) | | | | FAC-N | eutral Test (D5) | | | | |
| Field Observations: | | | | | | | | | | | |
| Surface Water Preser | nt? | Yes | No _ | ∠ Depth | (inches): | | | | | | |
| Water Table Present? | | Yes | No _ | ∠ Depth | (inches): | Wetland H | Hydrology Present? | Yes No | | | |
| Saturation Present? | | Yes | | | (inches): | | | • | | | |
| | \ | 163 | . 140 | Z Берин | (11101103). | _ | | | | | |
| (includes capillary fri | _ | | | | | | | | | | |
| Describe Recorded D | ata (stream g | auge, mon | itoring | well, aerial photo | s, previous inspections), | if available: | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| D | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | |
| The criterion for wetl | and hydrolog | y is not me | t. No p | ositive indication | of wetland hydrology wa | s observed. | | | | | |
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| Tree Stratum (Plot size:30 ft) | | Dominant Species? | Indicator Status | Dominance Test worksh Number of Dominant Sp | | 0 | (A) |
|---|-----|----------------------|---------------------|--|----------------------|-----------------|-------------|
| 1. | | | | Are OBL, FACW, or FAC: | | | (A) |
| 2. | | | | Total Number of Domin | ant Species | 2 | (B) |
| 3. | | | | Across All Strata: | | | (B) |
| 4. | | | | Percent of Dominant Sp | ecies That | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | | |
| 6. | | | | Prevalence Index works | heet: | | |
| 7. | | | | <u>Total % Cover of</u> | of: | <u>Multiply</u> | By: |
| /· | | Takal Car | | OBL species | 0 | x 1 = | 0 |
| | 0 | _= Total Cov | er | FACW species | 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x 3 = | 0 |
| 1 | | | | FACU species | 100 | x 4 = | 400 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Inc | | 4 | 400 (B) |
| 5. | | | | - | | | |
| 6. | | | | Hydrophytic Vegetation | | | |
| 7. | | | | 1- Rapid Test for H | | egetation | 1 |
| | 0 | = Total Cov | er | 2 - Dominance Tes | | | |
| Herb Stratum (Plot size:5 ft) | | - | Ci | 3 - Prevalence Inde | ex is $\leq 3.0^{1}$ | | |
| 1. Dactylis glomerata | 60 | Yes | FACU | 4 - Morphological / | | | supporting |
| | | | | data in Remarks or on a | separate sh | ieet) | |
| 2. Trifolium repens | 40 | Yes | FACU | Problematic Hydro | . , . | - | |
| 3 | | | | ¹Indicators of hydric soil | and wetlan | d hydrolo | gy must be |
| 4 | | | | present, unless disturbe | ed or proble | matic | |
| 5 | | | | Definitions of Vegetation | n Strata: | | |
| 6 | | | | Tree - Woody plants 3 ir | n. (7.6 cm) oı | more in | diameter at |
| 7. | | | | breast height (DBH), reg | ardless of h | eight. | |
| 8. | | | | Sapling/shrub - Woody | plants less t | han 3 in. l | OBH and |
| 9. | | | | greater than or equal to | 3.28 ft (1 m |) tall. | |
| 10. | | | | Herb – All herbaceous (r | non-woody) | plants, re | gardless of |
| | | | | size, and woody plants l | ess than 3.2 | 8 ft tall. | |
| 12. | | | | Woody vines - All wood | y vines great | ter than 3 | .28 ft in |
| 12. | 100 | = Total Cov | | height. | | | |
| W 1 1 7 5 4 4 7 1 4 1 20 6 1 | 100 | _ 10tal Cov | er | Hydrophytic Vegetation | Present? | /es N | No ./ |
| Woody Vine Stratum (Plot size: 30 ft) | | | | ya. opyaa ragatata | | | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | = Total Cov | er | | | | |
| Remarks: (Include photo numbers here or on a separate Pasture. No positive indication of hydrophytic vegetation | - | served (≥50 | % of domina | ant species indexed as FA(| C− or drier). | | |
| | | | | | | | |

| • | to the de | • | | | ndicator | or confirm the al | osence of indica | tors.) |
|--|------------|----------------------------|----------|-------------------|------------------|------------------------------|--------------------|--|
| Depth Matrix | 0/ | Redox | | | 12 | Taratrana | | Damanka |
| (inches) Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | | Remarks |
| 0 - 14 10YR 3/2 | 100 | | . — | | | Silt Loam | | Mixed |
| | | | | | | | | |
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| | | 514 5 1 1 | | | | C 1.C : 31 | | |
| Type: C = Concentration, D = | Depletio | n, RM = Reduced | Mati | 1X, MS = | Masked | Sand Grains. ² Lo | | re Lining, M = Matrix. |
| Hydric Soil Indicators: | | | | | o | | Indicators for I | Problematic Hydric Soils³: |
| Histosol (A1) | | • | | | | R, MLRA 149B) | 2 cm Muck | (A10) (LRR K, L, MLRA 149B) |
| Histic Epipedon (A2) | | Thin Dark Su | | | | | Coast Prair | ie Redox (A16) (LRR K, L, R) |
| Black Histic (A3) Hydrogen Sulfide (A4) | | Loamy Mucky | | | (LKK K, L |) | 5 cm Muck | y Peat or Peat (S3) (LRR K, L, R) |
| Stratified Layers (A5) | | Loamy Gleye Depleted Ma | | | | | Dark Surfa | ce (S7) (LRR K, L) |
| Depleted Below Dark Surfa | | • | | | | | Polyvalue E | Below Surface (S8) (LRR K, L) |
| Thick Dark Surface (A12) | ace (ATT | Depleted Dar | | | | | Thin Dark S | Surface (S9) (LRR K, L) |
| Sandy Mucky Mineral (S1) | | Redox Depre | | | | | Iron-Mang | anese Masses (F12) (LRR K, L, R) |
| | | Redox Depie | 33101 | 15 (1-0) | | | Piedmont I | Floodplain Soils (F19) (MLRA 149B) |
| Sandy Gleyed Matrix (S4) | | | | | | | Mesic Spoo | dic (TA6) (MLRA 144A, 145, 149B) |
| Sandy Redox (S5) | | | | | | | Red Parent | t Material (F21) |
| Stripped Matrix (S6) | | | | | | | Very Shallo | w Dark Surface (TF12) |
| Dark Surface (S7) (LRR R, N | /ILRA 149 | 9B) | | | | | Other (Exp | lain in Remarks) |
| ³ Indicators of hydrophytic veg | etation a | and wetland hydr | olog | y must be | e presen | t, unless disturbe | d or problemati | с. |
| Restrictive Layer (if observed): | : | | | | | | | |
| Type: | | None | | | Hydric | Soil Present? | Yes _ | No / _ |
| Depth (inches): | | | | | | | | |
| Remarks: | | | | | 1 | | - | |
| No positive indication of hydri | ic soils w | as observed. The | e crite | erion for | hydric sc | il is not met. Soil | significantly dist | turbed as a result of tilling. |



Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Fult | onville, Montgomery | Sampling Date: 2020-Nov-13 | | | | |
|------------------------------------|--|-------------------------------|-----------------------------|-----------------------------|--|--|--|
| Applicant/Owner: ConnectGE | N | State: NY | Sampling Poin | nt: W-EHM-10_PEM-1 | | | |
| Investigator(s): Elizabeth Masi | , Giovanni Pambianchi | Section, Township | Range: Glen Township, | Montgomery County | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, conv | /ex, none): Concave | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): L | _RR L | Lat: 42.891564949 | 6 Long: -74.38321562 | <u>Datum: WGS84</u> | | | |
| Soil Map Unit Name: Madalin | silty clay loam, 0 to 3 percent slopes | | NWI clas | sification: None | | | |
| , , | ns on the site typical for this time of ye | ear? Yes 🟒 No | (If no, explain in Re | marks.) | | | |
| Are Vegetation, Soil, | or Hydrology significantly di | | al Circumstances" preser | | | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | lematic? (If needed | explain any answers in R | emarks.) | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS - A | Attach site map showing sampli | ng point locations, tra | nsects, important fea | tures, etc. | | | |
| Hydrophytic Vegetation Present | ? Yes <u></u> ✓ No | | | | | | |
| Hydric Soil Present? | Yes _ ✓ No | Is the Sampled Area with | in a Wetland? | Yes No | | | |
| | | i i | | | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland S | ite iD: | W-EHM-10 | | | |
| <u> </u> | ocedures here or in a separate report | | | | | | |
| Covertype is PEM. Area is wetlar | nd, all three wetland parameters are p | present. | | | | | |
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| LIVER CL C CV | | | | | | | |
| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| | f one is required; check all that apply) | | Secondary Indicators (m | ninimum of two required) | | | |
| 1 Timery marcators (minimal or | one is required, effect an effect apply) | | Surface Soil Cracks (I | · | | | |
| ∕ Surface Water (A1) | Water-Stained Lea | | Drainage Patterns (B | | | | |
| High Water Table (A2) | Aquatic Fauna (B1 | | Moss Trim Lines (B16 | | | | |
| Saturation (A3) | Marl Deposits (B1 | | Dry-Season Water Table (C2) | | | | |
| Water Marks (B1) | Hydrogen Sulfide | | Crayfish Burrows (C8 | | | | |
| Sediment Deposits (B2) | <u></u> Oxidized Rhizospl | heres on Living Roots (C3) | Saturation Visible on | | | | |
| Drift Deposits (B3) | Presence of Redu | ced Iron (C4) | Stunted or Stressed | • • • | | | |
| Algal Mat or Crust (B4) | Recent Iron Redu | ction in Tilled Soils (C6) | | | | | |
| Iron Deposits (B5) | Thin Muck Surface | e (C7) | ✓ Geomorphic Position | | | | |
| Inundation Visible on Aerial | Imagery (B7) Other (Explain in I | Remarks) | Shallow Aquitard (D3 | | | | |
| Sparsely Vegetated Concave | | | ✓ Microtopographic Re | · | | | |
| | | | FAC-Neutral Test (D5 |) | | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | · | (inches): 2 | _ | | | | |
| Water Table Present? | Yes No <u>_</u> Depth | (inches): | Wetland Hydrology Pres | sent? Yes No | | | |
| Saturation Present? | Yes No Depth | (inches): 14 | | | | | |
| (includes capillary fringe) | | | | | | | |
| | n gauge, monitoring well, aerial photo | s previous inspections) if | available: | | | | |
| Describe Recorded Data (stream | i gauge, monitoring well, aeriai prioto | s, previous irispections), ir | avallable. | | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| | logy is met. No positive indication of w | otland bydrology was obs | arvod A positivo indicatio | on of wotland bydrology was | | | |
| - | | | • | , | | | |
| observed (at least one primary i | indicator). A positive indication of wetl | and hydrology was observ | ed (at least two secondar | y indicators). | | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Specie | s That | | |
|---|-------------|----------------------|---------------------|--|-----------|------------|-------------|
| 1. | -70 COVCI | эрсская | | Are OBL, FACW, or FAC: | .s mac | 2 | (A) |
| 2. | · —— | | | Total Number of Dominant S | Species — | | |
| 3. | · —— | | | Across All Strata: | · _ | 2 | (B) |
| 4. | . —— | | | Percent of Dominant Species | s That | 100 | (A (D) |
| 5. | . —— | | | Are OBL, FACW, or FAC: | _ | 100 | (A/B) |
| | | | | Prevalence Index worksheet: | : | | |
| 6. | | | | <u>Total % Cover of:</u> | <u>1</u> | Multiply E | <u>Ву:</u> |
| 7 | | | | OBL species 6 | 50 | x 1 = | 60 |
| | 0 | = Total Cov | er | FACW species 4 | 10 | x 2 = | 80 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | | | FAC species (| 0 | x 3 = | 0 |
| 1. | | | | FACU species (| 0 : | x 4 = | 0 |
| 2 | | | | UPL species (| 0 1 | x 5 = | 0 |
| 3 | | | | Column Totals 10 | 00 | (A) | 140 (B) |
| 4 | | | | Prevalence Index = | = B/A = | 1.4 | |
| 5 | | | | Hydrophytic Vegetation Indic | | | |
| 6 | | | | ✓ 1- Rapid Test for Hydro | | gotation | |
| 7 | | | | ✓ 2 - Dominance Test is > | | getation | |
| | 0 | = Total Cov | er | ✓ 3 - Prevalence Index is: | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | | | 'Drovido d | unnorting |
| 1. <i>Carex typhina</i> | 60 | Yes | OBL | 4 - Morphological Adap data in Remarks or on a sepa | | | supporting |
| 2. <i>Phalaris arundinacea</i> | 40 | Yes | FACW | Problematic Hydrophyt | | | olain) |
| 3. | | | | ¹ Indicators of hydric soil and | _ | | |
| 4. | | | | present, unless disturbed or | | | y must be |
| 5. | | | | Definitions of Vegetation Stra | • | idile | - |
| 6. | | | | Tree – Woody plants 3 in. (7.6 | | more in d | liameter at |
| 7. | . —— | | | breast height (DBH), regardle | - | | liameter at |
| 8. | | | | Sapling/shrub - Woody plant | | | BH and |
| 9. | | | | greater than or equal to 3.28 | | | Biraila |
| 10 | | | | Herb – All herbaceous (non-v | | | ardless of |
| | . —— | | | size, and woody plants less t | | _ | |
| 11 | | | | Woody vines – All woody vine | | | 28 ft in |
| 12 | | | | height. | J | | |
| | 100 | = Total Cov | er | Hydrophytic Vegetation Pres | sent? Ye | s ./ N | 0 |
| Woody Vine Stratum (Plot size: <u>30 ft</u>) | | | | Tryanopriyae regetation res | | .5 | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | = Total Cov | er | | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | | | | |
| A positive indication of hydrophytic vegetation was obs | served (>50 | % of domin | ant species | indexed as OBL, FACW, or FAC | .). | | |
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| Profile Des | cription: (Describe | to the | depth needed to o | | | indicato | or confirm the al | osence of indicators.) |
|---------------|------------------------|-------------------------|------------------------------|---------|-------------------|------------------|--------------------|--|
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | 1.052 | Texture | Remarks |
| 0 - 6 | - | | | _ | туре. | Loc ² | | Keniarks |
| | 10YR 4/1 | 90 | 10YR 5/8 | 10 | | | Silty Clay | |
| 6 - 16 | 2.5Y 4/1 | 95 | 10YR 5/8 | 5 | | | Silty Clay | |
| | | | | | | | | |
| | | - — | | | | | | |
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| ¹Tvne: C = 0 | Concentration, D = | - Denlet | ion RM = Reduce | d Mat | rix MS = | Masked | Sand Grains 21.0 | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | | Depiec | ion, Rivi – Reduce | u iviat | 11X, WIS - | WIGSKEG | Sand Grains. | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | Daharahia Di | . I | ·····fo.co.(C | CO) (I DD | D MI DA 140D) | indicators for Problematic Hydric Soils. |
| | oipedon (A2) | | Polyvalue Be Thin Dark St | | • | , · | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Black Hi | | | Loamy Mucl | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | | | (LIXIX IX, I | -) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| - | d Layers (A5) | | Depleted Ma | | | | | Dark Surface (S7) (LRR K, L) |
| | d Below Dark Surfa | ace (A1 | | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | (, | Depleted Da | | |) | | Thin Dark Surface (S9) (LRR K, L) |
| | Mucky Mineral (S1) | | Redox Depr | | | , | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| , , | Gleyed Matrix (S4) | | | | () | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| | d Matrix (S6) | | | | | | | Red Parent Material (F21) |
| | rface (S7) (LRR R, M | II DA 1 | /QR) | | | | | Very Shallow Dark Surface (TF12) |
| Dark 30 | mace (37) (LINK IV, IV | ILIVA I | 490) | | | | | Other (Explain in Remarks) |
| - | of hydrophytic veg | | n and wetland hyd | Irolog | y must b | e preser | t, unless disturbe | d or problematic. |
| Restrictive I | Layer (if observed): | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | soil wa | as observed. The o | riteri | on for hy | dric soil | is met. | |
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Photo of Sample Plot North



Photo of Sample Plot East



| Project/Site: Mill Point | City/County: Ful | ltonville, Montgomery | Sampling Date: 2020-Nov-02 | | | | |
|--|---|---|----------------------------|--------------------------|--|--|--|
| Applicant/Owner: ConnectGe | n | State: NY | Sampling Po | oint: W-KCF-01_PEM-1 | | | |
| Investigator(s): Kevin Ferguson | ո, Camille Warner | Section, Township, | Range: N/A | | | | |
| Landform (hillslope, terrace, etc. |): Flood Plain | Local relief (concave, conv | ex, none): Concave | Slope (%): 2 to 5 | | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: 42.89746677 | Long: -74.353459 | 49 Datum: WGS84 | | | |
| Soil Map Unit Name: Darien s | ilt loam, 3 to 8 percent slopes | | NWI cl | assification: None | | | |
| Are climatic/hydrologic conditior | ns on the site typical for this time of y | rear? Yes _ ✓ No | (If no, explain in I | Remarks.) | | | |
| Are Vegetation, Soil, | or Hydrology significantly o | disturbed? Are "Norma | al Circumstances" pres | ent? Yes <u></u> ✓ No | | | |
| Are Vegetation, Soil, | or Hydrology naturally prol | blematic? (If needed, | explain any answers in | Remarks.) | | | |
| Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative pr | Attach site map showing sample? Yes _ No Yes _ No Yes _ No Occdures here or in a separate reported, all three wetland parameters are | Is the Sampled Area within If yes, optional Wetland Sirt) | n a Wetland? | Yes/_ No W-KCF-01 | | | |
| HYDROLOGY | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | |
| Primary Indicators (minimum of | one is required; check all that apply |) | Secondary Indicators (| minimum of two required) | | | |
| Surface Water (A1) | Water-Stained Le | eaves (R9) | Surface Soil Cracks | (B6) | | | |
| High Water Table (A2) | Aquatic Fauna (E | | <u>✓</u> Drainage Patterns | | | | |
| ✓ Saturation (A3) | Marl Deposits (B | | Moss Trim Lines (B16) | | | | |
| Water Marks (B1) | Hydrogen Sulfide | e Odor (C1) | Dry-Season Water | | | | |
| Sediment Deposits (B2) | Oxidized Rhizos | oheres on Living Roots (C3) | Crayfish Burrows (| on Aerial Imagery (C9) | | | |
| Drift Deposits (B3) | Presence of Red | uced Iron (C4) | Stunted or Stresse | | | | |
| Algal Mat or Crust (B4) | Recent Iron Redu | uction in Tilled Soils (C6) | ✓ Geomorphic Positi | | | | |
| Iron Deposits (B5) | Thin Muck Surfa | | Shallow Aquitard (I | | | | |
| Inundation Visible on Aerial | | ı Remarks) | Microtopographic | | | | |
| ✓ Sparsely Vegetated Concave | Surface (B8) | | ✓ FAC-Neutral Test ([| | | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No <u>_</u> Dept | h (inches): | | | | | |
| Water Table Present? | | h (inches): 10 | Wetland Hydrology Pr | esent? Yes No | | | |
| | | · | Treating riyar ology ri | | | | |
| Saturation Present? | res 🗸 No Dept | h (inches): 4 | | | | | |
| (includes capillary fringe) | | | | | | | |
| Remarks: | n gauge, monitoring well, aerial phot | os, previous inspections), if a | available: | | | | |
| The criterion for wetland hydrol | ogy is met. | | | | | | |
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| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species Tha | t 2 | (A) |
|--|---------|----------------------|---------------------|---|-------------------|------------|
| 1. Ulmus americana | 5 | Yes | FACW | Are OBL, FACW, or FAC: | | (A) |
| 2. | | | | Total Number of Dominant Specie | s 2 | (B) |
| 3. | | | | Across All Strata: | | |
| 4. | | | | Percent of Dominant Species Tha | 100 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | _ | |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | <u>Multiply E</u> | - |
| · · | <u></u> | = Total Cov | er | OBL species 0 | _ x1= _ | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | | | FACW species 5 | x 2 = | 10 |
| 1. Acer rubrum | 5 | Yes | FAC | FAC species 5 | x 3 = | 15 |
| 2. | | | 1710 | FACU species 0 | x 4 = | 0 |
| 3. | | | | UPL species 0 | x 5 = | 0 |
| | | | | Column Totals 10 | (A) | 25 (B) |
| 4 | | | | Prevalence Index = B/A | =2.5 | |
| 5. | | | | Hydrophytic Vegetation Indicators | : | |
| 6 | | | | 1- Rapid Test for Hydrophyti | | |
| 7 | | | | ✓ 2 - Dominance Test is >50% | | |
| | 5 | = Total Cov | er | ✓ 3 - Prevalence Index is ≤ 3.0 | 1 | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptation | | upporting |
| 1 | | | | data in Remarks or on a separate | | appo8 |
| 2 | | | | Problematic Hydrophytic Ve | | olain) |
| 3 | | | | ¹Indicators of hydric soil and wetl | | |
| 4. | | | | present, unless disturbed or prob | | , |
| 5. | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) | or more in d | iameter at |
| 7. | | | | breast height (DBH), regardless of | | .aecc. ac |
| 8. | | | | Sapling/shrub – Woody plants les | _ | BH and |
| 9. | | | | greater than or equal to 3.28 ft (1 | | |
| | | | | Herb – All herbaceous (non-wood | | ardless of |
| 11 | | | | size, and woody plants less than 3 | | |
| | | | | Woody vines – All woody vines gre | | 28 ft in |
| 12 | | | | height. | | |
| | 0 | = Total Cov | er | Hydrophytic Vegetation Present? | Yes ./ No | 1 |
| Woody Vine Stratum (Plot size:30 ft) | | | | riyar opriyac vegetation i resent. | 1051 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| | 0 | = Total Cov | er | | | |
| Remarks: (Include photo numbers here or on a se A positive indication of hydrophytic vegetation was | | % of domir | nant species | indexed as OBL, FACW, or FAC). | | |
| | | | | | | |

| | | to the de | | | | indicato | r or confirm the | absence of indicators.) |
|--------------|-----------------------|-----------|------------------|--------|-------------------|------------------|--------------------|--|
| Depth | Matrix | | Redox | | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0 - 10 | 10YR 3/2 | 100 | | _ | | | Loam | |
| 10 - 16 | 10YR 3/1 | 100 | | | | | Loam | |
| | | | | _ | | | | |
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| ¹Type: C = 0 | Concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. 2 | Location: PL = Pore Lining, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Problematic Hydric Soils ³ : |
| Histoso | l (A1) | | Polyvalue Bel | ow S | Surface (S | 88) (LRR | R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| Histic E | pipedon (A2) | | Thin Dark Sur | face | (S9) (LRF | R R, MLR | A 149B) | |
| | istic (A3) | | Loamy Mucky | | | | | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | , | • | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | ed Layers (A5) | | Depleted Mat | | | | | Dark Surface (S7) (LRR K, L) |
| | ed Below Dark Surf | | • | | | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | | ١ | | Thin Dark Surface (S9) (LRR K, L) |
| | Mucky Mineral (S1) | | Redox Depre | | | , | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | | | Redox Depile | 55101 | 15 (го) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| Sandy F | Redox (S5) | | | | | | | Red Parent Material (F21) |
| Strippe | d Matrix (S6) | | | | | | | Very Shallow Dark Surface (TF12) |
| Dark Su | urface (S7) (LRR R, N | /ILRA 149 | 9B) | | | | | Other (Explain in Remarks) |
| | | | | | | | | |
| - | of hydrophytic veg | | and wetland hydr | olog | y must b | e preser | nt, unless disturb | ed or problematic. |
| Restrictive | Layer (if observed) | • | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | ı | | |
| | ndication of hydric | soil was | observed Refus | يال اد | e to coar | se fragn | nents | |
| A positive i | naication of nyaric | SOII Was | observed. Refusa | ai uu | e to coar | se ir agii | nents. | |
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Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



| Project/Site: Mill Point | | City/County: Fult | onville, Montgomery | Sampling Date: 2020-Nov-02 | | | | |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|---------------------------|--------------------|--|--|
| Applicant/Owner: ConnectG | en | _ | State: NY | S | Sampling Point: W-KC | F-01_UPL-2 | | |
| Investigator(s): Kevin Fergus | on, Camille Warner | | Section, Township, | Range: N/A | A | | | |
| Landform (hillslope, terrace, et | c.): Hillslope | | Local relief (concave, conv | ex, none):_ | None | Slope (%): 5 to 10 | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | | Lat: 42.89742791 | Long: | -74.35358305 | Datum: WGS84 | | |
| Soil Map Unit Name: Darien | silt loam, 3 to 8 perce | ent slopes | | | NWI classification | n: None | | |
| Are climatic/hydrologic condition | ons on the site typical | for this time of ye | ar? Yes 🟒 No | (If no, | explain in Remarks.) | | | |
| Are Vegetation, Soil | _, or Hydrology _ | significantly di | sturbed? Are "Norm | al Circumsta | ances" present? | ∕es _ ∠ No | | |
| Are Vegetation, Soil | _, or Hydrology _ | naturally prob | lematic? (If needed, | explain any | answers in Remarks.) |) | | |
| SUMMARY OF FINDINGS - | - Attach site man s | showing sampli | ng noint locations trai | nsects imi | nortant features <i>e</i> | etc. | | |
| Hydrophytic Vegetation Prese | | No⁄_ | | 150003, 1111 | portaine reactares, e | | | |
| Hydric Soil Present? | Yes _ | No | Is the Sampled Area withi | n a Wetland | d? Yes | No⁄_ | | |
| Wetland Hydrology Present? | | No _ _ _ | If yes, optional Wetland S | ite ID: | | | | |
| Remarks: (Explain alternative | | | | itt ib. | | | | |
| | | | | | | | | |
| HYDROLOGY Wetland Hydrology Indicators | | | | | | | | |
| Primary Indicators (minimum | | eck all that apply) | | Secondary | Indicators (minimum | of two required) | | |
| - | · | | | • | e Soil Cracks (B6) | <u> </u> | | |
| Surface Water (A1) | | Water-Stained Lea | | | ge Patterns (B10) | | | |
| High Water Table (A2) | | Aquatic Fauna (B1 | | Moss Trim Lines (B16) | | | | |
| Saturation (A3) Water Marks (B1) | | Marl Deposits (B1 Hydrogen Sulfide | | Dry-Season Water Table (C2) | | | | |
| Sediment Deposits (B2) | | | neres on Living Roots (C3) | - | h Burrows (C8) | | | |
| Drift Deposits (B3) | | Presence of Redu | _ | | tion Visible on Aerial Ir | • | | |
| Algal Mat or Crust (B4) | | =' | ction in Tilled Soils (C6) | | d or Stressed Plants (D | 01) | | |
| Iron Deposits (B5) | | Thin Muck Surface | | | orphic Position (D2) | | | |
| Inundation Visible on Aeria | | Other (Explain in l | | | v Aquitard (D3) | | | |
| Sparsely Vegetated Concav | e Surface (B8) | | | | opographic Relief (D4) | | | |
| Field Observations: | | | | FAC-NE | eutral Test (D5) | | | |
| Surface Water Present? | Yes No | / Donth | (inches): | | | | | |
| | | · | · - | - | hadaalaaa Daaaaa 2 | Van Na | | |
| Water Table Present? | Yes No _ | | (inches): | wetland H | ydrology Present? | Yes No | | |
| Saturation Present? | Yes No | <u>✓</u> Depth | (inches): | _ | | | | |
| (includes capillary fringe) | | | | | | | | |
| Remarks: The criterion for wetland hydr | | , жен, асна рносо | s, previous inspections, in | avaliable. | | | | |
| | | | | | | | | |

| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That | 1 | (4) |
|---|-----------|-------------------|---------------------|---|-----------------|-------------|
| 1. Betula alleghaniensis | 60 | Yes | FAC | Are OBL, FACW, or FAC: | | (A) |
| 2. Tsuga canadensis | 30 | Yes | FACU | Total Number of Dominant Species | 2 | (B) |
| 3. Fraxinus americana | 20 | No | FACU | Across All Strata: | | (B) |
| 4. | | | | Percent of Dominant Species That | 50 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | <u>Total % Cover of:</u> | <u>Multiply</u> | <u>By:</u> |
| ·· | 110 | = Total Cov | or | OBL species 0 | x 1 = | 0 |
| Capling/Chruh Stratum (Blot size: 1E ft) | 110 | - Total Cov | CI | FACW species 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species 60 | x 3 = | 180 |
| 1 | | | | FACU species 50 | x 4 = | 200 |
| 2 | | | | UPL species 0 | x 5 = | 0 |
| 3. | | | | Column Totals 110 | (A) | 380 (B) |
| 4 | | | | Prevalence Index = B/A = | 3.5 | _ |
| 5 | | | | Hydrophytic Vegetation Indicators: | | |
| 6 | | | | 1- Rapid Test for Hydrophytic | | 1 |
| 7 | | | | 2 - Dominance Test is > 50% | vegetation | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is $\leq 3.0^{\circ}$ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptations | :1 (Provide | sunnorting |
| 1 | | | | data in Remarks or on a separate s | | supporting |
| 2 | | | | Problematic Hydrophytic Vege | | xplain) |
| 3 | | | | ¹Indicators of hydric soil and wetlar | | |
| 4. | | | | present, unless disturbed or proble | - | 8) |
| 5. | | | | Definitions of Vegetation Strata: | | - |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in | diameter at |
| 7. | | | | breast height (DBH), regardless of h | | alameter at |
| 8. | | | | Sapling/shrub – Woody plants less | _ | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 n | | |
| 10. | | | | Herb – All herbaceous (non-woody) | plants, re | gardless of |
| 11 | | | | size, and woody plants less than 3.2 | 28 ft tall. | |
| 12 | | | | Woody vines – All woody vines grea | iter than 3 | .28 ft in |
| 12. | 0 | = Total Cov | or | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | - Total Cov | CI | Hydrophytic Vegetation Present? | Yes N | No 🗸 |
| 1. | | | | | | |
| 2 | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4 | | | | | | |
| | 0 | = Total Cov | er | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | | | |
| No positive indication of hydrophytic vegetation was ob | served (≥ | 50% of dom | ninant specie | es indexed as FAC- or drier). | | |
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| | cription: (Describe | to the de | • | | | indicato | r or confirm the ab | osence of indi | cators.) | |
|-------------------------|---|------------|------------------------------|----------|-------------------|------------------|------------------------------|----------------|-----------|-------------------------------------|
| Depth _ | Matrix | | Redox | | | | - . | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | | | Remarks |
| 0 - 3 | 10YR 3/2 | 100 | | _ | | | Silt Loam | | | |
| 3 - 16 | 10YR 4/2 | 100 | | _ | | | Silt Loam | | | |
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| 1T C C | | Danilatia | - DM Dadward | | | N 4 l | Caral Carina 21 a | | | - M M-M- |
| l — | concentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² Lo | | | ng, M = Matrix. |
| Hydric Soil | | | | | | | | Indicators fo | r Proble | matic Hydric Soils³: |
| Histosol | | | • | | | | R, MLRA 149B) | 2 cm Mu | ck (A10) | (LRR K, L, MLRA 149B) |
| - | oipedon (A2) | | Thin Dark Su | | | | | Coast Pra | airie Red | ox (A16) (LRR K, L, R) |
| Black Hi | | | Loamy Mucky | | | (LRR K, I | _) | 5 cm Mu | cky Peat | or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | | | Dark Sur | face (S7) | (LRR K, L) |
| | d Layers (A5) d Below Dark Surfa | | Depleted Ma | | | | | Polyvalue | Below : | Surface (S8) (LRR K, L) |
| | u Below Dark Suria ark Surface (A12) | ace (ATT) | Redox Dark s Depleted Dar | | | ١ | | Thin Dar | k Surface | e (S9) (LRR K, L) |
| | lucky Mineral (S1) | | Redox Depre | | |) | | Iron-Mar | ganese | Masses (F12) (LRR K, L, R) |
| | | | Redox Depre | 55101 | 15 (F0) | | | Piedmon | t Floodp | lain Soils (F19) (MLRA 149B) |
| - | ileyed Matrix (S4) | | | | | | | Mesic Sp | odic (TA6 | 6) (MLRA 144A, 145, 149B) |
| _ | edox (S5) | | | | | | | Red Pare | nt Mate | rial (F21) |
| | d Matrix (S6) | | | | | | | Very Sha | llow Dar | k Surface (TF12) |
| Dark Su | rface (S7) (LRR R, N | /ILRA 149 | 9B) | | | | | Other (Ex | | |
| 3Indicators | of hydrophytic veg | etation a | and wetland hvdr | olog | v must b | e preser | nt. unless disturbe | d or problema | tic. | |
| - | _ayer (if observed): | | | 0. | , | | , | | | _ |
| | Type: | | None | | | Hydric | Soil Present? | Vac | No | |
| | | | None | | | riyunc | John Tesent: | 163 | | , <u> </u> |
| - | Depth (inches): | | | | | | | . | | _ |
| Remarks: No positive | indication of hydri | ic soils w | as observed. | | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot Seast



Photo of Sample Plot South



Photo of Sample Plot West



| Project/Site: Mill Point | City/County:_ Fult | tonville, Montgomery | Sampling Date: 2020-Nov-03 | | | | |
|------------------------------------|--|-------------------------------------|--|--------------------|--|--|--|
| Applicant/Owner: ConnectGe | n | State: NY | Sampling Point: W-K | CF-02_PFO-1 | | | |
| Investigator(s): Kevin Ferguson | n, Camille Warner | Section, Township, Ran | ge: N/A | | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, convex, r | none): Concave | Slope (%): 1 to 3 | | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: 42.89651645 | Long: -74.35696587 | Datum: WGS84 | | | |
| Soil Map Unit Name: Lansing | and Mohawk, 25 to 60 percent slopes | | NWI classification | on: None | | | |
| Are climatic/hydrologic conditior | ns on the site typical for this time of ye | ear? Yes 🟒 No | _ (If no, explain in Remarks.) |) | | | |
| Are Vegetation, Soil, | or Hydrology significantly di | sturbed? Are "Normal Ci | rcumstances" present? | Yes No | | | |
| Are Vegetation, Soil, | or Hydrology naturally prob | lematic? (If needed, expl | lain any answers in Remarks | 5.) | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sampli | ng point locations, transec | ts, important features, | etc. | | | |
| Hydrophytic Vegetation Present | | 1 | • | | | | |
| | | le the Country of Augusticians | M-4112 V | c No. | | | |
| Hydric Soil Present? | Yes No | Is the Sampled Area within a V | | No | | | |
| Wetland Hydrology Present? | Yes No | If yes, optional Wetland Site I | D: W-l | CF-02 | | | |
| | rocedures here or in a separate report nd, all three wetland parameters are p | | | | | | |
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| HYDROLOGY | | | | | | | |
| Watland Lludralam, Indicators | | | | | | | |
| Wetland Hydrology Indicators: | fana is required, sheek all that apply | Soc | andan Indicators (minimum | a of two required) | | | |
| Primary indicators (minimum of | f one is required; check all that apply) | | ondary Indicators (minimun | n of two required) | | | |
| Surface Water (A1) | Water-Stained Le | aves (B9) | Surface Soil Cracks (B6) | | | | |
| High Water Table (A2) | Aquatic Fauna (B | 13) | Drainage Patterns (B10) | | | | |
| ✓ Saturation (A3) | Marl Deposits (B1 | 15) | Moss Trim Lines (B16) Dry-Season Water Table (C2) | | | | |
| Water Marks (B1) | Hydrogen Sulfide | Odor (C1) | Crayfish Burrows (C8) | , | | | |
| Sediment Deposits (B2) | · | neres on Living Roots (C3) | Saturation Visible on Aerial | Imagery (C9) | | | |
| Drift Deposits (B3) | Presence of Redu | iced Iron (C4) | Stunted or Stressed Plants (| | | | |
| Algal Mat or Crust (B4) | | iction in Tilled Soils (C6) | Geomorphic Position (D2) | , | | | |
| Iron Deposits (B5) | Thin Muck Surfac | | Shallow Aquitard (D3) | | | | |
| Inundation Visible on Aerial | | Remarks) | Microtopographic Relief (D4 | .) | | | |
| ✓ Sparsely Vegetated Concave | Surface (Bo) | | FAC-Neutral Test (D5) | | | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No <u></u> Depth | n (inches): | | | | | |
| Water Table Present? | Yes No Depth | n (inches): We | tland Hydrology Present? | Yes No | | | |
| Saturation Present? | Yes _✓_ No Depth | i (inches): | | | | | |
| (includes capillary fringe) | | | | | | | |
| | n gauga manitaring wall parial photo | s provious inspections) if qual | ahlar | | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial photo | s, previous irispections), ii avail | able. | | | | |
| | | | | | | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| The criterion for wetland hydrol | ogy is met. | | | | | | |
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| vederation ose sciencine names of plants. | | | | | | | |
|---|-------------------|-----------------|----------------|---|--------------|-------------|---------------|
| Tree Stratum (Plot size:30 ft) | | Dominant | | Dominance Test works | | | |
| 1. Acer saccharum | % Cover 30 | Species? Yes | Status FACU | Number of Dominant S Are OBL, FACW, or FAC | | 4 | (A) |
| 2. Ulmus americana | 20 | | FACW | Total Number of Domir | | | |
| - | | Yes | | Across All Strata: | | 5 | (B) |
| 3. <i>Ulmus americana</i> | 20 | Yes | FACW | Percent of Dominant S | pecies That | | |
| 4 | | | | Are OBL, FACW, or FAC | | 80 | (A/B) |
| 5. | | | | Prevalence Index work | sheet: | | |
| 6. | | | | Total % Cover | of: | Multiply | By: |
| 7 | | | | OBL species | 0 | x 1 = | 0 |
| | 70 | _= Total Cov | er | FACW species | 130 | x 2 = | 260 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 10 | x 3 = | 30 |
| 1. <i>Ulmus americana</i> | 30 | Yes | FACW | FACU species | 30 | x 4 = | 120 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3. | | | | Column Totals | 170 | (A) | 410 (B) |
| 4 | | | | Prevalence Ir | | 2.4 | (2) |
| 5 | | | | - | | | |
| 6 | | | | Hydrophytic Vegetation | | /+-+i - ·- | |
| 7. | | | | 1- Rapid Test for I | , , | egetation | 1 |
| | 30 | = Total Cov | er | ✓ 2 - Dominance Te | | | |
| Herb Stratum (Plot size:5 ft) | | _ | | ✓ 3 - Prevalence Ind | | l (D : -l - | |
| 1. Impatiens capensis | 60 | Yes | FACW | 4 - Morphological | | | supporting |
| 2. Geum canadense | 5 | No | FAC | data in Remarks or on Problematic Hydr | | | (nicla) |
| 3. Solidago rugosa | 5 | No | FAC | Indicators of hydric so | | | • |
| 4. | | | | present, unless disturb | | , | gy must be |
| 5. | | | | Definitions of Vegetation | | Tiatic | |
| 6. | | | | Tree – Woody plants 3 | | moro in | diameter at |
| 7. | | | | breast height (DBH), re | | | ularrieter at |
| 8. | | | | Sapling/shrub - Woody | _ | - | OBH and |
| 9. | | | | greater than or equal t | | | |
| 10. | | | | Herb – All herbaceous | | | gardless of |
| | | | | size, and woody plants | | | 5 |
| 11. | | | | Woody vines – All wood | | | .28 ft in |
| 12 | | Tatal Car | | height. | , | | |
| W. L.Y. St. (DL. 1. 206.) | 70 | _= Total Cov | er | Hydrophytic Vegetatio | n Present? \ | es 🗸 N | Jo |
| Woody Vine Stratum (Plot size: 30 ft) | | | | yaopya.e regetatio | | | |
| 1. | | | | | | | |
| 2. | | | | • | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| | 0 | _= Total Cov | er | | | | |
| Remarks: (Include photo numbers here or on a separat | e sheet.) | | | | | | |
| A positive indication of hydrophytic vegetation was obs | served (>50 | 0% of domin | ant species | indexed as OBL, FACW, o | r FAC). | | |
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| | cription: (Describe | to the de | | | | indicato | r or confirm the a | absence of indic | cators.) |
|---------------|------------------------------|-----------|------------------|-------|-------------------|----------------|--------------------|------------------|---|
| Depth _ | Matrix | | Redox | Fea | tures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc2 | Textu | ire | Remarks |
| 0 - 8 | 10YR 3/2 | 100 | | _ | | | Loamy S | Sand | |
| 8 - 20 | 10YR 3/1 | 97 | 10YR 5/6 | 3 | C | M | Sandy L | oam | |
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| ¹Type: C = C | oncentration, D = | Depletic | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. 21 | Location: PL = P | ore Lining, M = Matrix. |
| Hydric Soil | Indicators: | • | | | | | | Indicators fo | r Problematic Hydric Soils³: |
| Histosol | | | Polyvalue Bel | ow S | Surface (S | 8) (LRR | R. MLRA 149B) | | · |
| | oipedon (A2) | | Thin Dark Sui | | | | | | ck (A10) (LRR K, L, MLRA 149B) |
| Black Hi | | | Loamy Mucky | | | | - | | airie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | (=:::::4 | -, | | cky Peat or Peat (S3) (LRR K, L, R) |
| | d Layers (A5) | | Depleted Mar | | | | | | face (S7) (LRR K, L) |
| | d Below Dark Surf | ace (A11 | | | | | | | e Below Surface (S8) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | |) | | | k Surface (S9) (LRR K, L) |
| Sandy M | lucky Mineral (S1) | | Redox Depre | ssior | ns (F8) | | | | ganese Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | | | | | | | t Floodplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | | odic (TA6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | | nt Material (F21) |
| | rface (S7) (LRR R, N | AI DA 140 | np) | | | | | - | llow Dark Surface (TF12) |
| Dark Su | 111ace (37) (LKK K, K | ILKA 14: | 96) | | | | | Other (Ex | plain in Remarks) |
| 3Indicators | of hydrophytic veg | etation | and wetland hydr | olog | y must b | e preser | nt, unless disturb | ed or problema | tic. |
| Restrictive I | Layer (if observed): | : | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | • | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | Į. | | | |
| | ndication of hydric | soil was | ohsanvad | | | | | | |
| A positive ii | idication of riguric | SOII Was | observed. | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



| Project/Site: Mill Point | | City/County: Fultonvill | e, Montgomery County | Sampling Date | e: 2020-Nov-03 | | |
|--|-----------------------------|--------------------------|---|--|-----------------------|--|--|
| Applicant/Owner: Connect | :Gen | | State: New Yo | ork Sampling Point: | W-KCF-02_UPL-1 | | |
| Investigator(s): Kevin Fergu | uson, Camille Warner | | Section, Township, Ra | nge: | _ | | |
| Landform (hillslope, terrace, | etc.): Hillslope | Loca | l relief (concave, convex, | none): None | Slope (%): 10 to 15 | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR F | | Lat: 42.896379 | Long: -74.3568719 | Datum: WGS84 | | |
| Soil Map Unit Name: Lansi | ing and Mohawk, 25 to | 60 percent slopes | _ | NWI classi | | | |
| Are climatic/hydrologic condi | | | Yes 🗸 No | (If no, explain in Rem | | | |
| Are Vegetation, Soil | • • | significantly disturb | | ircumstances" present? | | | |
| Are Vegetation, Soil | | naturally problema | | olain any answers in Rei | | | |
| 7.11.0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 | | | (11 11 2 2 2 2 4 7 2 1 1 | siani any answers in rie. | | | |
| | | | | | | | |
| SUMMARY OF FINDINGS | – Attach site map : | showing sampling p | oint locations, transe | ects, important featu | ıres, etc. | | |
| Hydrophytic Vegetation Pres | sent? Yes | No _ _ _ | | | | | |
| Hydric Soil Present? | Yes | No <u>_</u> Is th | e Sampled Area within a | Wetland? | Yes No/ | | |
| | | | · | | | | |
| Wetland Hydrology Present? | · | | s, optional Wetland Site | D: | | | |
| Remarks: (Explain alternative | e procedures here or ir | a separate report) | | | | | |
| Covertype is UPL. Area is up | land not all three wetl | and narameters are nre | sent | | | | |
| Covertype is OF L. Area is upi | iariu, fiot aii tiffee weti | and parameters are pre | Seric. | | | | |
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| HYDROLOGY | | | | | | | |
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| Wetland Hydrology Indicator | rs: | | | | | | |
| Primary Indicators (minimun | n of one is required; ch | eck all that apply) | <u>Se</u> | condary Indicators (min | imum of two required) | | |
| , | • | 11 2- | | _ Surface Soil Cracks (B6 | • | | |
| Surface Water (A1) | | Water-Stained Leaves | B9) — | _ Drainage Patterns (B1) | | | |
| High Water Table (A2) | | Aquatic Fauna (B13) | | Moss Trim Lines (B16) | | | |
| Saturation (A3) | | Marl Deposits (B15) | | Moss Him Ellies (B16) Dry-Season Water Table (C2) | | | |
| Water Marks (B1) | | Hydrogen Sulfide Odoi | · (C1) | Dry-season Water Table (C2) Crayfish Burrows (C8) | | | |
| Sediment Deposits (B2) | | Oxidized Rhizospheres | on Living Roots (C3) | • | : 11 (60) | | |
| Drift Deposits (B3) | | Presence of Reduced I | _ | _ Saturation Visible on A | | | |
| Algal Mat or Crust (B4) | _ | Recent Iron Reduction | | _ Stunted or Stressed Pl | ants (D1) | | |
| | | | | _ Geomorphic Position (| D2) | | |
| Iron Deposits (B5) | | Thin Muck Surface (C7) | | _ Shallow Aquitard (D3) | | | |
| Inundation Visible on Ae | J , | Other (Explain in Rema | irks) | _ Microtopographic Reli | ef (D4) | | |
| Sparsely Vegetated Conc | ave Surface (B8) | | | FAC-Neutral Test (D5) | | | |
| Field Observations: | | | | | - | | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes No _ | ✓ Depth (inch | es): | | | | |
| Water Table Present? | Yes No _ | ✓ Depth (inch | es): | etland Hydrology Prese | nt? Yes No | | |
| Saturation Procent? | | | | , | • | | |
| Saturation Present? | Yes No _ | ✓ Depth (inch) | es). | | | | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (str | eam gauge, monitoring | well, aerial photos, pre | vious inspections), if ava | ilable: | | | |
| | 00., (| , .,, | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
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| B and | | | | | | | |
| Remarks: | | | | | | | |
| No positive indication of wet | land hydrology was ob | served. | | | | | |
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|---|------------|-------------------|---------------------|---|-----------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That | 0 | (4) |
| 1. Fagus grandifolia | 60 | Yes | FACU | Are OBL, FACW, or FAC: | | (A) |
| 2. Acer saccharum | 10 | No | FACU | Total Number of Dominant Species | 2 | (B) |
| 3. | | | | Across All Strata: | | |
| 4. | · —— | | | Percent of Dominant Species That | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | <u>Multiply</u> | = |
| | 70 | = Total Cov | /er | OBL species 0 | x 1 = | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - | | FACW species 0 | x 2 = | 0 |
| Fagus grandifolia | 25 | Yes | FACU | FAC species 0 | x 3 = | 0 |
| 2. | | 103 | 17100 | FACU species 95 | x 4 = | 380 |
| 3. | | | | UPL species 0 | x 5 = | 0 |
| | | | | Column Totals 95 | (A) | 380 (B) |
| 4 | | | | Prevalence Index = B/A = | 4 | |
| 5. | | | | Hydrophytic Vegetation Indicators: | | |
| 6. | | | | 1- Rapid Test for Hydrophytic | | n |
| 7 | | | | 2 - Dominance Test is > 50% | J | |
| | 25 | = Total Cov | /er | 3 - Prevalence Index is $\leq 3.0^{\circ}$ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptations | ¹ (Provide | supporting |
| 1 | | | | data in Remarks or on a separate s | | 11 0 |
| 2 | | | | Problematic Hydrophytic Vege | | xplain) |
| 3 | | | | ¹Indicators of hydric soil and wetlar | nd hydrolo | gy must be |
| 4 | | | | present, unless disturbed or proble | - | |
| 5 | | | | Definitions of Vegetation Strata: | | |
| 6. | | | | Tree – Woody plants 3 in. (7.6 cm) o | r more in | diameter at |
| 7. | | | | breast height (DBH), regardless of h | neight. | |
| 8. | | | | Sapling/shrub – Woody plants less | than 3 in. I | DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 n | າ) tall. | |
| 10. | | | | Herb – All herbaceous (non-woody) | plants, re | gardless of |
| 11. | · —— | | | size, and woody plants less than 3.2 | 28 ft tall. | |
| 12. | | | | Woody vines – All woody vines grea | iter than 3 | 3.28 ft in |
| | 0 | = Total Cov | /er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | | | Hydrophytic Vegetation Present? | Yes 1 | Vo <u> </u> |
| 1. | | | | | | |
| ? | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 4. | | = Total Cov | | | | |
| | 0 | - TOTAL COV | /ei | | | |
| Remarks: (Include photo numbers here or on a separate | e sheet.) | | | | | |
| No positive indication of hydrophytic vegetation was ol | oserved (≥ | 50% of dor | ninant specie | es indexed as FAC– or drier). | | |
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| | • | to the d | • | | | ndicator | or confirm the a | bsence of indicators. |) |
|-------------------------|---|-------------|------------------|----------|-------------------|------------------|-----------------------------|-----------------------|---------------------------------------|
| Depth _ | Matrix | | Redox | | | | | | |
| (inches) | Color (moist) | % | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Textur | | Remarks |
| 0 - 6 | 10YR 3/1 | 100 | | _ | | | Fibric Lo | | |
| 6 - 20 | 10YR 3/3 | 100 | | _ | | | Silt Loa | ım | |
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| ¹Type: C = C | Concentration, D = | Depletion | on, RM = Reduced | Mati | rix, MS = | Masked | Sand Grains. ² L | ocation: PL = Pore Li | ning, M = Matrix. |
| Hydric Soil | Indicators: | | | | | | | Indicators for Prob | lematic Hydric Soils³: |
| Histosol | l (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A10 | 0) (LRR K, L, MLRA 149B) |
| | oipedon (A2) | | Thin Dark Su | | | | | | edox (A16) (LRR K, L, R) |
| Black Hi | | | Loamy Mucky | | | (LRR K, L | .) | 5 cm Mucky Pe | at or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleye | | | | | Dark Surface (S | 7) (LRR K, L) |
| | d Layers (A5) d Below Dark Surfa | 252 (111 | Depleted Mat | | • | | | Polyvalue Belov | w Surface (S8) (LRR K, L) |
| | d Below Dark Surfa ark Surface (A12) | ace (A i i | Depleted Dar | | ` ' | | | Thin Dark Surfa | ace (S9) (LRR K, L) |
| | Mucky Mineral (S1) | | Redox Depre | | | 1 | | Iron-Manganes | e Masses (F12) (LRR K, L, R) |
| | Gleyed Matrix (S4) | | Redox Bepre | 33101 | 13 (10) | | | Piedmont Floor | dplain Soils (F19) (MLRA 149B) |
| - | Redox (S5) | | | | | | | • | A6) (MLRA 144A, 145, 149B) |
| - | d Matrix (S6) | | | | | | | Red Parent Ma | |
| | rface (S7) (LRR R, N | /II DΔ 1/I | QR) | | | | | Very Shallow D | |
| Dark 3a | Trace (37) (Erricity in | /ILIV (1-1 | <i>3</i> 5, | | | | | Other (Explain | in Remarks) |
| ³ Indicators | of hydrophytic veg | etation | and wetland hydr | olog | y must b | e presen | t, unless disturbe | ed or problematic. | |
| Restrictive I | Layer (if observed): | : | | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes | No <u>/</u> |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| No positive | indication of hydr | ic soils v | vas observed. | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



| Project/Site: Mill Point | City/County:_F | ultonville, Montgomery | Sampling Dat | te: 2020-Nov-03 | | |
|---|---|---------------------------------|---|--------------------------|--|--|
| Applicant/Owner: ConnectGe | n | State: NY | Sampling Point | : W-KCF-03_PEM-1 | | |
| Investigator(s): Kevin Ferguso | n, Camille Warner | Section, Township, | Range: N/A | | | |
| Landform (hillslope, terrace, etc. |): Depression | Local relief (concave, conv | rex, none): Concave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: 42.8979809 | Long: -74.36568774 | Datum: WGS84 | | |
| Soil Map Unit Name: Churchy | rille silty clay loam, 3 to 8 percent slo | opes | NWI class | ification: None | | |
| Are climatic/hydrologic condition | ns on the site typical for this time of | year? Yes <u>✓</u> No | (If no, explain in Ren | narks.) | | |
| Are Vegetation <u></u> ✓, Soil <u></u> ✓, | or Hydrology significantly | disturbed? Are "Norm | al Circumstances" present | ? Yes No | | |
| Are Vegetation, Soil, | or Hydrology naturally pr | oblematic? (If needed, | explain any answers in Re | marks.) | | |
| | | | | | | |
| SUMMARY OF FINDINGS – A | Attach site map showing sam | oling point locations, trai | nsects, important feat | ures, etc. | | |
| | | | <u> </u> | | | |
| Hydrophytic Vegetation Present | | | | | | |
| Hydric Soil Present? | Yes No | Is the Sampled Area withi | n a Wetland? | Yes No | | |
| Wetland Hydrology Present? | Yes _ ✓ No | If yes, optional Wetland S | ite ID: | W-KCF-03 | | |
| Remarks: (Explain alternative pr | rocedures here or in a separate rep | ort) | | | | |
| Covertype is PEM. Area is wetlan | nd, all three wetland parameters ar | e present. Circumstances are | not normal due to agricul | tural activities. | | |
| Circumstances are not normal of | · | • | o o | | | |
| | rae to moving or vegetation. | | | | | |
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| HYDROLOGY | | | | | | |
| | | | | | | |
| Wetland Hydrology Indicators: | | | | | | |
| Primary Indicators (minimum of | f one is required; check all that appl | X) | Secondary Indicators (min | nimum of two required) | | |
| 5 5 14 4 (44) | | (50) | Surface Soil Cracks (B | 5) | | |
| Surface Water (A1) | Water-Stained | | Drainage Patterns (B1 | 0) | | |
| High Water Table (A2) | Aquatic Fauna | | Moss Trim Lines (B16) | | | |
| ✓ Saturation (A3) | Marl Deposits (| | Dry-Season Water Table (C2) | | | |
| Water Marks (B1) | Hydrogen Sulfi | | Cravfish Burrows (C8) | | | |
| Sediment Deposits (B2) | <u> ✓</u> Oxidized Rhizo | spheres on Living Roots (C3) | Saturation Visible on Aerial Imagery (C9) | | | |
| Drift Deposits (B3) | Presence of Re | duced Iron (C4) | Stunted or Stressed P | • • | | |
| Algal Mat or Crust (B4) | Recent Iron Re | duction in Tilled Soils (C6) | | | | |
| Iron Deposits (B5) | Thin Muck Surf | ace (C7) | ✓ Geomorphic Position | | | |
| Inundation Visible on Aerial | Imagery (B7) Other (Explain | in Remarks) | Shallow Aquitard (D3) | | | |
| Sparsely Vegetated Concave | | | Microtopographic Rel | ef (D4) | | |
| | | | FAC-Neutral Test (D5) | | | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No 🟒 Dep | oth (inches): | | | | |
| Water Table Present? | Yes No Dep | oth (inches): | Wetland Hydrology Prese | ent? Yes No | | |
| Saturation Present? | | oth (inches): 10 | | | | |
| | 163 <u>v</u> 110 Dep | - To | | | | |
| (includes capillary fringe) | | | | | | |
| Describe Recorded Data (stream | n gauge, monitoring well, aerial pho | otos, previous inspections), if | available: | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Remarks: | | | | | | |
| The criterion for wetland hydrol | logy is met. A positive indication of | wetland hydrology was obser | ved (at least one primary i | ndicator) | | |
| The checken for wedand hydron | ogy is meant positive maleution of | wedana nyarology was obser | ved (de least one primary i | rareacory. | | |
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| Tree Stratum (Plot size:30 ft) | | Dominant | | Dominance Test works | | | |
|---|---------|-------------|--------|---|---------------|-----------------|---------------------|
| 1. | % Cover | Species? | Status | Number of Dominant Are OBL, FACW, or FAC | | 1 | (A) |
| 2. | | | | Total Number of Domi Across All Strata: | nant Species | 2 | (B) |
| 3 I | | | | Percent of Dominant S Are OBL, FACW, or FAC | • | 50 | (A/B) |
| 5 | | | | Prevalence Index work | | | |
| 5. | | | | - Total % Cover | | Multiply I | Rv. |
| · | | | | - OBL species | 0 | x 1 = | 2у. О |
| | 0 | = Total Cov | er | FACW species | 70 | x 2 = | 140 |
| apling/Shrub Stratum (Plot size: <u>15 ft</u>) | | | | FAC species | 20 | x 3 = | 60 |
| · | | | | - FACU species | 32 | x 4 = | 128 |
| | | | | - UPL species | 0 | x5= | 0 |
| | | | | - Column Totals | 122 | (A) | 328 (B) |
| | | | | | ndex = B/A = | 2.7 | 320 (D) |
| | | | | • | | | |
| i. | | | | Hydrophytic Vegetatio | | | |
| ·. | | | | 1- Rapid Test for | | egetation/ | |
| | | = Total Cov | er | 2 - Dominance Te | | | |
| Herb Stratum (Plot size:5 ft) | | = | | _✓_ 3 - Prevalence Inc | | | |
| . Phalaris arundinacea | 60 | Yes | FACW | 4 - Morphologica | | | supporting |
| . Trifolium repens | 30 | Yes | FACU | data in Remarks or on | | | |
| . Festuca paradoxa | | No | FAC | - Problematic Hyd | | | |
| I. Plantago heterophylla | 10 | No | FACW | ¹Indicators of hydric so | | , . | gy must be |
| i. Taraxacum officinale | | No | FACU | present, unless disturb | | matic | |
| 5. Iaraxacum omemaie | | | FACO | Definitions of Vegetati | | | |
| - | | | | Tree – Woody plants 3 | | | liameter a |
| 7 | | | | breast height (DBH), re Sapling/shrub – Wood | - | _ | DILand |
| 3. | | | | greater than or equal | | | ъп апи |
|). | | | | Herb – All herbaceous | | | ardless of |
| 0 | | | | size, and woody plants | | | ai diess o |
| 1 | | | | Woody vines – All woo | | | 28 ft in |
| 2 | | | | height. | ay 125 g. ca. | | |
| | 122 | = Total Cov | er | Hydrophytic Vegetation | n Dracant? | /os / N | _ |
| Voody Vine Stratum (Plot size: <u>30 ft</u>) | | | | nyuropnyuc vegetatio | on Fresent: | ies <u>7</u> iv | · |
| · | | | | _ | | | |
| <u> </u> | | | | _ | | | |
| 3 | | | | _ | | | |
| l. | | | | - | | | |
| | 0 | = Total Cov | er | | | | |

| | • | to the | • | | | indicato | r or confirm the a | bsence of indicators.) |
|-------------------|------------------------------|-----------|-----------------------|----------|-------------------|-------------------|----------------------|---|
| Depth | Matrix | | - | | tures | 12 | T | Danisada |
| (inches) 0 - 3 | Color (moist) | 100 | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture Silt Loam | Remarks |
| 3 - 16 | 10YR 3/2 | 100 | 100 4/9 | | | | - | : : |
| 16 - 20 | 10YR 3/1 10YR 4/1 | 95 70 | 10R 4/8 10YR 5/6 | 5 30 | | M/PL | Silt Loam | |
| 10 - 20 | 1018 4/1 | | 101K 3/0 | 30 | | IVI/PL | Silty Clay | |
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| 1Type: C = 1 | Concentration, D = | - Denlet | ion PM = Peduce | d Ma | triv MS : | - Maskor | Sand Grains 21 | ocation: PL = Pore Lining, M = Matrix. |
| Hydric Soil | | Depiet | ion, Rivi – Reduce | .u ivia | ti ix, ivio | - Wasket | i Sana Granis. L | Indicators for Problematic Hydric Soils ³ : |
| Histoso | | | Polyvalue R | elow | Surface (| 'S8) (I RR | R, MLRA 149B) | · |
| | pipedon (A2) | | Thin Dark S | | | | | 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| | istic (A3) | | Loamy Muc | | | | - | Coast Prairie Redox (A16) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gley | - | | | • | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L) |
| Stratifie | ed Layers (A5) | | _ ∠ Depleted M | atrix | (F3) | | | Polyvalue Below Surface (S8) (LRR K, L) |
| | ed Below Dark Surf | face (A1 | · | | | | | Tolyvalde Below Sarrace (SS) (LRR K, L) |
| | ark Surface (A12) | | Depleted Da | | | 7) | | Iron-Manganese Masses (F12) (LRR K, L, R) |
| | Mucky Mineral (S1) |) | Redox Depr | essio | ns (F8) | | | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| - | Redox (S5) | | | | | | | Red Parent Material (F21) |
| | d Matrix (S6) | | 40B) | | | | | Very Shallow Dark Surface (TF12) |
| Dark St | urface (S7) (LRR R, I | MILKA I | 49B) | | | | | Other (Explain in Remarks) |
| 3Indicators | of hydrophytic ve | getatior | and wetland hyd | drolog | gy must l | oe presei | nt, unless disturbe | ed or problematic. |
| Restrictive | Layer (if observed) |): | | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Yes No |
| | Depth (inches): | | | | | | | |
| Remarks: | | | | | | | | |
| A positive i | ndication of hydric | c soil wa | as observed. The | criter | ion for h | ydric soil | is met. | |
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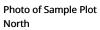




Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Mill Point | | City/County: Fulto | onville, Montgomery | | 0-Nov-03 | |
|---|----------------------------|--|---------------------------------|---------------|-------------------------|--------------------------|
| Applicant/Owner: Connec | ctGen | | State: NY | Sa | ampling Point: W-KC | F-03_UPL-1 |
| Investigator(s): Kevin Ferg | guson, Camille Warner | | Section, Township, | Range: N/A | | |
| Landform (hillslope, terrace, | , etc.): Flat | | Local relief (concave, conv | /ex, none): N | lone | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | 2 | Lat: 42.89809542 | Long:7 | 74.3653163 | Datum: WGS84 |
| Soil Map Unit Name: App | leton silt loam, 3 to 8 pe | ercent slopes | | | NWI classification | : None |
| Are climatic/hydrologic cond | litions on the site typica | l for this time of ye | ar? Yes <u>✓</u> No | (If no, e | explain in Remarks.) | |
| Are Vegetation, Soil _ | ✓ or Hydrology _ | significantly dis | sturbed? Are "Norm | al Circumstaı | nces" present? Y | ′es No _ |
| Are Vegetation, Soil _ | , or Hydrology _ | naturally probl | ematic? (If needed, | explain any | answers in Remarks.) | |
| | | | | | | |
| SUMMARY OF FINDING | S – Attach site map s | showing sampli | ng point locations, trar | nsects, imp | ortant features, e | tc. |
| Hydrophytic Vegetation Pre | sent? Yes | No | | | | |
| Hydric Soil Present? | | No | Is the Sampled Area withi | n a Watland? |) Voc | No⁄_ |
| | | | i | | 163 | NO |
| Wetland Hydrology Present | | No | If yes, optional Wetland Si | ite ID: | | |
| Remarks: (Explain alternativ | • | | | | | |
| Covertype is UPL. Area is up | | • | e present. Circumstances a | re not norma | al due to agricultural | activities. |
| Circumstances are not norr | nal due to mowing of ve | egetation. | | | | |
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| HYDROLOGY | | | | | | |
| IIIDKOLOGI | | | | | _ | |
| Wetland Hydrology Indicato | ors: | | | | | |
| Primary Indicators (minimu | m of one is required; ch | eck all that apply) | | Secondary I | ndicators (minimum o | of two required) |
| Curface Water (A1) | | Water Stained Lea | nuas (BO) | Surface | Soil Cracks (B6) | |
| Surface Water (A1) High Water Table (A2) | | __ Water-Stained Lea __ Aquatic Fauna (B1 | | Drainage | e Patterns (B10) | |
| Saturation (A3) | | _ Aquatic Fauria (B1 _ Marl Deposits (B1 | | Moss Tri | im Lines (B16) | |
| Saturation (AS) Water Marks (B1) | | _ Hydrogen Sulfide | | Dry-Seas | son Water Table (C2) | |
| Sediment Deposits (B2) | | | neres on Living Roots (C3) | Crayfish | Burrows (C8) | |
| Sediment Deposits (B2) Drift Deposits (B3) | | _ Oxidized Kriizospi _ Presence of Redu | • | Saturatio | on Visible on Aerial Im | nagery (C9) |
| Algal Mat or Crust (B4) | | | ction in Tilled Soils (C6) | Stunted | or Stressed Plants (D | 1) |
| Iron Deposits (B5) | | Thin Muck Surface | | | phic Position (D2) | |
| Inundation Visible on A | arial Imageny (R7) | _ Other (Explain in I | | | Aquitard (D3) | |
| Sparsely Vegetated Con | | Other (Explain in i | Nerrial KS) | Microtop | pographic Relief (D4) | |
| Sparsely regetated con | | | | FAC-Neu | utral Test (D5) | |
| Field Observations: | | | | | | |
| Surface Water Present? | Yes No _ | ✓ Depth | (inches): | _ | | |
| Water Table Present? | Yes No _ | ✓ Depth | (inches): | Wetland Hy | drology Present? | Yes No |
| Saturation Present? | Yes No _ | ✓ Depth | (inches): | - | | |
| (includes capillary fringe) | | | | - | | |
| | room gougo monitorin | rwall parial photo | s provious inspections) if | available: | | |
| Describe Recorded Data (st | ream gauge, monitoring | g well, aerial prioto: | s, previous irispections), ii a | avaliable. | | |
| | | | | | | |
| | | | | | | |
| Remarks: | | | | | | |
| No positive indication of we | etland hydrology was ob | served. | | | | |
| ' | , 6, | | | | | |
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VEGETATION -- Use scientific names of plants.

| <u>'</u> | | | | | | |
|---|------------|----------------------|---------------------|---|-----------------|-------------|
| <u>Tree Stratum</u> (Plot size: <u>30 ft</u>) | | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That | | |
| 1. | % Cover | 3hecies: | Status | Are OBL, FACW, or FAC: | 0 | (A) |
| 2. | | | | Total Number of Dominant Species | · 1 | (D) |
| 3. | | | | Across All Strata: | | (B) |
| 4. | | | | Percent of Dominant Species That | 0 | (A/B) |
| 5. | | | | Are OBL, FACW, or FAC: | | (,,,,, |
| 6. | | | | Prevalence Index worksheet: | | |
| 7. | | | | Total % Cover of: | <u>Multiply</u> | <u>By:</u> |
| ·· | 0 | = Total Cov | er | OBL species 0 | x 1 = _ | 0 |
| Sapling/Shrub Stratum (Plot size:15 ft) | | - 10101 COV | Ci | FACW species 0 | x 2 = | 0 |
| 1. | | | | FAC species 0 | x 3 = | 0 |
| 2. | | | | FACU species 100 | x 4 = | 400 |
| 3. | | | | UPL species 0 | x 5 = | 0 |
| | | | | Column Totals 100 | (A) | 400 (B) |
| 4 | | | | Prevalence Index = B/A = | 4 | |
| 5 | | | | Hydrophytic Vegetation Indicators: | | |
| 6. | | | | 1- Rapid Test for Hydrophytic | | 1 |
| 7 | | | | 2 - Dominance Test is > 50% | Ü | |
| | 0 | = Total Cov | er | 3 - Prevalence Index is $\leq 3.0^{1}$ | | |
| <u>Herb Stratum</u> (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Adaptation | | supporting |
| 1. <i>Dactylis glomerata</i> | 90 | Yes | FACU | data in Remarks or on a separate s | | |
| 2. <i>Taraxacum officinale</i> | 10 | No | FACU | Problematic Hydrophytic Veg | | (plain) |
| 3 | | | | ¹Indicators of hydric soil and wetla | nd hydrolo | gy must be |
| 4 | | | | present, unless disturbed or proble | ematic | |
| 5 | | | | Definitions of Vegetation Strata: | | |
| 6 | | | | Tree – Woody plants 3 in. (7.6 cm) | or more in | diameter at |
| 7. | | | | breast height (DBH), regardless of | height. | |
| 8. | | | | Sapling/shrub – Woody plants less | than 3 in. [| DBH and |
| 9. | | | | greater than or equal to 3.28 ft (1 r | | |
| 10. | | | | Herb – All herbaceous (non-woody | | gardless of |
| 11. | | | | size, and woody plants less than 3. | | |
| 12. | | | | Woody vines – All woody vines gre | ater than 3 | .28 ft in |
| | 100 | = Total Cov | er | height. | | |
| Woody Vine Stratum (Plot size:30 ft) | | • | | Hydrophytic Vegetation Present? | Yes N | No <u>~</u> |
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | • | | |
| | 0 | = Total Cov | or | • | | |
| | • | - 10101 COV | - | | | |
| Remarks: (Include photo numbers here or on a separa | | | | | | |
| Pasture. No positive indication of hydrophytic vegetation | on was obs | erved (≥50 | % of domina | ant species indexed as FAC– or drier) | • | |
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| | • | to the de | • | | | indicato | or confirm the al | osence of indicator | s.) |
|---------------|----------------------------|-----------|------------------|----------|-------------------|------------------|------------------------------|---------------------------------------|--|
| Depth _ | Matrix | | Redox | | | 1 2 2 | Tanduna | | Damanka |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Texture | | Remarks |
| 0 - 20 | 10YR 4/1 | 100 | | | | | Clay Loar | <u> </u> | |
| | | | | | | | | | |
| | | | | - — | | | | | |
| <u> </u> | | | | _ | | | | | |
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| | | | | | | | | | _ |
| ¹Type: C = C | oncentration, D = | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore l | ining, M = Matrix. |
| Hydric Soil I | | | | | | | | | blematic Hydric Soils ³ : |
| Histosol | | | Polyvalue Be | low S | urface (S | 8) (LRR I | R, MLRA 149B) | | • |
| Histic Ep | ipedon (A2) | | Thin Dark Su | | | | | | 10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) |
| Black His | | | Loamy Muck | | | | | | eat or Peat (S3) (LRR K, L, R) |
| Hydroge | n Sulfide (A4) | | Loamy Gleye | d Ma | trix (F2) | | | Dark Surface | |
| Stratified | l Layers (A5) | | Depleted Ma | trix (l | - 3) | | | | ow Surface (S8) (LRR K, L) |
| Depleted | l Below Dark Surfa | ace (A11) | Redox Dark S | Surfa | ce (F6) | | | | face (S9) (LRR K, L) |
| | rk Surface (A12) | | Depleted Dar | | |) | | | ese Masses (F12) (LRR K, L, R) |
| Sandy M | ucky Mineral (S1) | | Redox Depre | ssior | ıs (F8) | | | _ | odplain Soils (F19) (MLRA 149B) |
| - | eyed Matrix (S4) | | | | | | | | (TA6) (MLRA 144A, 145, 149B) |
| Sandy Re | edox (S5) | | | | | | | Red Parent M | |
| Stripped | Matrix (S6) | | | | | | | | Dark Surface (TF12) |
| Dark Sur | face (S7) (LRR R, N | 1LRA 149 | 9B) | | | | | Other (Explain | |
| 3Indicators o | of hydrophytic veg | etation a | and wetland hydr | വിവഴ | v must b | e presen | ıt. unless disturbe | • | • |
| • | ayer (if observed): | | | | , | | ., | | _ |
| | гуре: | | None | | | Hydric | Soil Present? | Ves | No ∕ _ |
| | Depth (inches): | | None | - | | liyunc | Join Frederic | 163 | |
| | Deptil (iliches). | _ | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Remarks: | | | | | | | | | |
| No positive | indication of hydri | c soils w | as observed. | | | | | | |
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Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Mill Point | City/0 | County: Fultonville, Mon | tgomery | Sar | Sampling Date: 2020-Nov-03 | | | |
|-----------------------------------|-------------------------------|-----------------------------|--------------------|-----------------|----------------------------|--------------------------|--|--|
| Applicant/Owner: ConnectG | en | • | State: NY | Samp | oling Point: W-KC | F-04_PEM-1 | | |
| Investigator(s): Kevin Fergus | on, Camille Warner | Sect | ion, Township, R | Range: N/A | | | | |
| Landform (hillslope, terrace, et | c.): Depression | Local relief | (concave, conve | x, none): Con | cave | Slope (%): 1 to 3 | | |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | Lat: | 42.89836621 | Long: -74.3 | 3641643 | Datum: WGS84 | | |
| Soil Map Unit Name: Appleto | on silt loam, 3 to 8 percent | slopes | | | NWI classification | n: None | | |
| Are climatic/hydrologic condition | ns on the site typical for th | nis time of year? | Yes 🟒 No _ | (If no, exp | lain in Remarks.) | | | |
| Are Vegetation, Soil | or Hydrology sig | gnificantly disturbed? | Are "Normal | l Circumstance | s" present? \ | Yes 🟒 No | | |
| Are Vegetation, Soil | , or Hydrology na | aturally problematic? | (If needed, e | explain any ans | wers in Remarks. |) | | |
| | | | | | | | | |
| SUMMARY OF FINDINGS - | Attach site map show | ing sampling point lo | cations, trans | sects, import | tant features, e | etc. | | |
| Hydrophytic Vegetation Preser | | 1 | | • | | | | |
| | | i | | - 144-4112 | V | . No | | |
| Hydric Soil Present? | Yes No | · · | oled Area within | | Yes _ | No | | |
| Wetland Hydrology Present? | Yes <u></u> ✓ No | If yes, optio | nal Wetland Site | e ID: | W-K | CF-04 | | |
| Remarks: (Explain alternative p | rocedures here or in a sep | oarate report) | | | | | | |
| Covertype is PEM. Area is wetla | and, all three wetland para | meters are present. Circu | ımstances are n | not normal due | to agricultural ac | tivities. | | |
| Circumstances are not normal | due to mowing of vegetati | ion. | | | • | | | |
| | ade to morning or regular. | | | | | | | |
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| HADBOI OCA | | | | | | | | |
| HYDROLOGY | | | | | | | | |
| Wetland Hydrology Indicators: | | | | | | | | |
| Primary Indicators (minimum o | | l that apply) | c | Secondary Indi | cators (minimum | of two required) | | |
| Triniary malcators (minimarre | n one is required, check at | т спас арргуд | | Surface Soil | | or two required) | | |
| ✓ Surface Water (A1) | Wate | r-Stained Leaves (B9) | _ | | | | | |
| <u></u> High Water Table (A2) | Aqua | tic Fauna (B13) | - | ✓ Drainage Pa | | | | |
| ✓ Saturation (A3) | Marl | Deposits (B15) | - | Moss Trim L | | | | |
| Water Marks (B1) | Hydr | ogen Sulfide Odor (C1) | - | - | Water Table (C2) | | | |
| Sediment Deposits (B2) | Oxidi | zed Rhizospheres on Livi | ng Roots (C3) | Crayfish Bu | | | | |
| Drift Deposits (B3) | Prese | ence of Reduced Iron (C4) | , ⁻ | | /isible on Aerial In | | | |
| Algal Mat or Crust (B4) | Rece | nt Iron Reduction in Tilled | d Soils (C6) | | Stressed Plants (D | 01) | | |
| Iron Deposits (B5) | | Muck Surface (C7) | - | | c Position (D2) | | | |
| Inundation Visible on Aeria | | r (Explain in Remarks) | - | Shallow Aqı | | | | |
| Sparsely Vegetated Concav | • • | (Explain in Kemarks) | _ | ✓ Microtopog | raphic Relief (D4) | | | |
| Sparsely vegetated Coricav | z Juliace (Do) | | | FAC-Neutra | l Test (D5) | | | |
| Field Observations: | | | | | | | | |
| Surface Water Present? | Yes No | Depth (inches): | | | | | | |
| Water Table Present? | Yes _ ✓ _ No | Depth (inches): | 7 | Wetland Hydro | logy Present? | Yes No | | |
| | | • | | vectoria riyaro | logy i reserie. | | | |
| Saturation Present? | Yes No | Depth (inches): | 6 | | | | | |
| (includes capillary fringe) | | | | | | | | |
| Describe Recorded Data (strea | m gauge, monitoring well. | aerial photos, previous ir | nspections), if av | vailable: | | | | |
| • | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Remarks: | | | | | | | | |
| | -1 | | | | | | | |
| The criterion for wetland hydro | logy is met. | | | | | | | |
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VEGETATION -- Use scientific names of plants

| Tree Stratum (Plot size:30 ft) | | Dominant Species? | Indicator Status | Dominance Test workshee Number of Dominant Spec Are OBL, FACW, or FAC: | | 1 | (A) |
|--|-------------|----------------------|---------------------|--|--------------|-------------|------------|
| 1. 2. | | | | Total Number of Dominan Across All Strata: | t Species | 3 | (B) |
| 3. 4. | | · | | Percent of Dominant Spec Are OBL, FACW, or FAC: | ies That | 33.3 | (A/B) |
| 5 | | | | Prevalence Index workshe | et: | | |
| 6. | | | | Total % Cover of: | | Multiply I | <u>Ву:</u> |
| 7 | | | | OBL species | 0 | x 1 = | 0 |
| | 0 | = Total Cov | er | FACW species | 10 | x 2 = | 20 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 0 | x 3 = | 0 |
| 1 | | | | FACU species | 25 | x 4 = | 100 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3 | | | | Column Totals | 35 | (A) | 120 (B) |
| 4 | | | | Prevalence Inde | | 3.4 | - () |
| 5 | | | | Hydrophytic Vegetation In | | | |
| 6 | | | | 1- Rapid Test for Hyd | | agetation | |
| 7 | | | | 2 - Dominance Test is | egetation | | |
| | 0 | = Total Cov | er | 3 - Prevalence Index | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological Ad | | (Provide s | upporting |
| 1. <i>Trifolium repens</i> | 10 | Yes | FACU | data in Remarks or on a se | • | | supporting |
| 2. <i>Phalaris arundinacea</i> | 10 | Yes | FACW | ✓ Problematic Hydroph | • | | olain) |
| 3. Dactylis glomerata | 10 | Yes | FACU | ¹Indicators of hydric soil a | | | |
| 4. <i>Taraxacum officinale</i> | 5 | No | FACU | present, unless disturbed | | , . | y mase be |
| 5. | | | | Definitions of Vegetation S | | | |
| 6. | | | | Tree – Woody plants 3 in. (| | more in c | liameter a |
| 7. | | | | breast height (DBH), regar | | | |
| 8. | | | | Sapling/shrub - Woody pla | ants less th | nan 3 in. D | BH and |
| 9. | | | | greater than or equal to 3. | 28 ft (1 m) | tall. | |
| 10. | | | | Herb – All herbaceous (no | n-woody) բ | olants, reg | ardless of |
| 11 | | | | size, and woody plants les | s than 3.28 | 3 ft tall. | |
| 12. | | | | Woody vines – All woody v | ines great | er than 3. | 28 ft in |
| · · · | 35 | = Total Cov | or | height. | | | |
| Woody Vine Stratum (Plot size: 30 ft) | | Total Cov | -1 | Hydrophytic Vegetation P | resent? Y | es 🟒 N | 0 |
| 1. | | | | | | | |
| 2. | | | | | | | |
| z. 3. | | | | | | | |
| | | | | | | | |
| 4 | | | | | | | |
| | 0 | = Total Cov | er | | | | |

make hydrophytic vegetation due to vegetation disturbance, however hydrology and hydric soils have been met...

| | cription: (Describe | to the de | | | | ndicato | or confirm the a | bsence of indicato | ors.) |
|---------------|------------------------------|--------------|------------------|----------|-------------------|-------------------|-------------------|--------------------|---|
| Depth | Matrix | | Redox | Feat | ures | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | | Remarks |
| 0 - 3 | 10YR 4/2 | 100 | | _ | | | Silty Cla | ıy Loam | |
| 3 - 10 | 10YR 4/2 | 95 | 10YR 6/6 | 5 | C | M | Silty Cla | ıy Loam | |
| 10 - 20 | 10YR 4/2 | 100 | | | | | Silty Cla | ıy Loam | |
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| 1Type: C = 0 | Concentration, D = | Denletio | n RM = Reduced | — Mat | rix MS = | Masked | Sand Grains 21 | ocation: PL = Pore | Lining, M = Matrix. |
| | | Depictio | n, Kwi Kedacea | IVIGC | 17, 1415 | Maskea | Jana Grains. | | • |
| Hydric Soil | | | Daharah a Dal | ٠ ٢ | | 0) (I DD I | D MI DA 140D) | | roblematic Hydric Soils³: |
| Histoso | | | Polyvalue Bel | | | | | | A10) (LRR K, L, MLRA 149B) |
| | pipedon (A2) | | Thin Dark Sur | | | | | Coast Prairie | e Redox (A16) (LRR K, L, R) |
| | istic (A3) | | Loamy Mucky | | | (LRR K, I | -) | 5 cm Mucky | Peat or Peat (S3) (LRR K, L, R) |
| | en Sulfide (A4) | | Loamy Gleyed | | | | | Dark Surface | e (S7) (LRR K, L) |
| | d Layers (A5) | | Depleted Mat | | | | | Polyvalue Be | elow Surface (S8) (LRR K, L) |
| | d Below Dark Surf | | | | | | | Thin Dark Su | urface (S9) (LRR K, L) |
| | ark Surface (A12) | | Depleted Dar | | | | | Iron-Mangar | nese Masses (F12) (LRR K, L, R) |
| | Mucky Mineral (S1) | | Redox Depre | 55101 | IS (FO) | | | Piedmont Fl | oodplain Soils (F19) (MLRA 149B) |
| - | Gleyed Matrix (S4) | | | | | | | Mesic Spodi | c (TA6) (MLRA 144A, 145, 149B) |
| - | Redox (S5) | | | | | | | Red Parent I | |
| Strippe | d Matrix (S6) | | | | | | | | v Dark Surface (TF12) |
| Dark Su | ırface (S7) (LRR R, N | /ILRA 149 | 9B) | | | | | Other (Expla | |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | വിവഴ | v must he | nresen | t unless disturbe | • | |
| - | Layer (if observed): | | and mediana nyan | 0.08 | yasc 2. | | ., | ed or proprematic | |
| | - | • | None | | | Lludric | Cail Dracant? | | Vos. / No. |
| | Type: | | None | | | пуштс | Soil Present? | | Yes No |
| | Depth (inches): | | | | | | | | |
| Remarks: | | | | | | | | | |
| A positive in | ndication of hydric | soil was | observed. | | | | | | |
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Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Mill Point | | City/County: Fult | onville, Montgomery | | 20-Nov-03 | |
|--|-------------------------|-----------------------|--------------------------------|--------------|-------------------------|---------------------|
| Applicant/Owner: Connect(| ien | _ | State: NY | S | Sampling Point: W-KC | F-04_UPL-1 |
| Investigator(s): Kevin Fergus | son, Camille Warner | | Section, Township, | Range: N/A | 4 | |
| Landform (hillslope, terrace, e | tc.): Depression | | Local relief (concave, conv | ex, none): | Concave | Slope (%): 1 to 3 |
| Subregion (LRR or MLRA): | MLRA 144A of LRR R | | Lat: 42.89854533 | Long: - | -74.36426847 | Datum: WGS84 |
| Soil Map Unit Name: Applet | on silt loam, 3 to 8 pe | rcent slopes | | | NWI classification | n: None |
| Are climatic/hydrologic conditi | ons on the site typical | l for this time of ye | ar? Yes <u>✓</u> No | (If no, | explain in Remarks.) | |
| Are Vegetation, Soil | _, or Hydrology _ | significantly di | sturbed? Are "Norm | al Circumsta | ances" present? | Yes No |
| Are Vegetation, Soil | _, or Hydrology _ | naturally prob | ematic? (If needed, | explain any | answers in Remarks. | .) |
| | | | | | | |
| SUMMARY OF FINDINGS - | | | ng point locations, trar | nsects, imp | portant features, e | etc. |
| Hydrophytic Vegetation Prese | nt? Yes _ | No _ _ _ | | | | |
| Hydric Soil Present? | Yes _ | No _ _ _ | Is the Sampled Area withi | n a Wetland | ? Yes | No / _ |
| Wetland Hydrology Present? | Yes _ | No _ _ _ | If yes, optional Wetland Si | ite ID: | | |
| Remarks: (Explain alternative | | | _ · | | | |
| | | | | | | |
| | | | | | | |
| HYDROLOGY | | | | | | |
| Wetland Hydrology Indicators | ·· | | | | | |
| Primary Indicators (minimum | | eck all that anniv) | | Secondary | Indicators (minimum | of two required) |
| 1 Tilliary indicacors (Illiminani | or one is required, cri | еск ан инасарруу | | - | Soil Cracks (B6) | or two required) |
| Surface Water (A1) | | Water-Stained Lea | | | ge Patterns (B10) | |
| High Water Table (A2) | | Aquatic Fauna (B1 | | - | rim Lines (B16) | |
| Saturation (A3) | | Marl Deposits (B1 | | | ason Water Table (C2) | |
| Water Marks (B1) | | Hydrogen Sulfide | | Crayfish | h Burrows (C8) | |
| Sediment Deposits (B2) | | | neres on Living Roots (C3) | Saturat | ion Visible on Aerial I | magery (C9) |
| Drift Deposits (B3) Algal Mat or Crust (B4) | | Presence of Redu | ction in Tilled Soils (C6) | Stunted | d or Stressed Plants (E | 01) |
| Algai Mat of Crust (B4) Iron Deposits (B5) | | Thin Muck Surface | | | orphic Position (D2) | |
| Inundation Visible on Aeri | | Other (Explain in l | | | v Aquitard (D3) | |
| Sparsely Vegetated Conca | | Other (Explain iii i | Remarks) | Microto | ppographic Relief (D4) |) |
| | | | | FAC-Ne | eutral Test (D5) | _ |
| Field Observations: Surface Water Present? | Yes No | ./ Denth | (inches): | | | |
| Water Table Present? | Yes No | · | (inches): | Wetland H | ydrology Present? | Yes No _ _ ∠ |
| Saturation Present? | Yes No | | (inches): | - Wedana n | ydrology i resent. | |
| | 163 110 | у Берит | (11101103). | = | | |
| (includes capillary fringe) | | | | | _ | |
| Describe Recorded Data (stre | am gauge, monitoring | g well, aerial photo | s, previous inspections), if a | available: | | |
| Remarks: | | | | | | |
| The criterion for wetland hyd | rology is not met. | | | | | |
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VEGETATION -- Use scientific names of plants.

| T (tt (DI-ti 20.6-) | Absolute | Dominant | Indicator | Dominance Test works | neet: | | |
|--|---------------|---------------|-----------|---|----------------|-------------|------------|
| Tree Stratum (Plot size: <u>30 ft</u>) 1. | % Cover | Species? | Status | Number of Dominant S Are OBL, FACW, or FAC | | 1 | (A) |
| 2. | | | | Total Number of Domir | | | |
| 3. | | | | Across All Strata: | • | 3 | (B) |
| 4. | | | | Percent of Dominant S | oecies That | 33.3 | (A /D) |
| + 5. | | | | Are OBL, FACW, or FAC | | | (A/B) |
| 5. 5. | | | | Prevalence Index works | sheet: | | |
| 5. 7. | | | | <u>Total % Cover</u> | of: | Multiply E | <u>Ву:</u> |
| · | | - Total Cause | | - OBL species | 0 | x 1 = | 0 |
| Continue (Charak Structure (Diet siese 45 ft) | 0 | = Total Cove | er | FACW species | 0 | x 2 = | 0 |
| Sapling/Shrub Stratum (Plot size: 15 ft) | | | | FAC species | 10 | x 3 = | 30 |
| · | | | | FACU species | 35 | x 4 = | 140 |
| 2 | | | | UPL species | 0 | x 5 = | 0 |
| 3 | | | | - Column Totals | 45 | (A) | 170 (B) |
| l | | | | Prevalence Ir | idex = B/A = | 3.8 | |
| j | | | | Hydrophytic Vegetation | | | · |
| 5. | | | | 1- Rapid Test for H | | /ogotation | |
| 7 | | | | 2 - Dominance Tes | | egetation | |
| | 0 | = Total Cove | er | 3 - Prevalence Ind | | | |
| Herb Stratum (Plot size: <u>5 ft</u>) | | | | 4 - Morphological | | (Drovido c | unnorting |
| . Taraxacum officinale | 20 | Yes | FACU | data in Remarks or on | • | - | apporting |
| 2. Dactylis glomerata | 10 | Yes | FACU | - Problematic Hydr | | | nlain) |
| 3. Festuca paradoxa | 10 | Yes | FAC | Indicators of hydric so | . , . | | = |
| 4. Trifolium repens | <u> </u> | No | FACU | present, unless disturb | | , . | y must be |
| 5. | | | | Definitions of Vegetation | | Hatic | |
| 5. | | | | Tree – Woody plants 3 i | | more in d | ismeter st |
| 7. | | | | breast height (DBH), re | | | iameter at |
| 3. | | | | Sapling/shrub - Woody | | | BH and |
| 9. | | | | greater than or equal to | | | |
| 10. | | | | Herb – All herbaceous (| | | ardless of |
| 11. | | | | size, and woody plants | - | | |
| 12. | | | | Woody vines - All wood | ly vines great | er than 3.2 | 28 ft in |
| 12. | | = Total Cove | | height. | | | |
| Manda Vina Chartura (Dataina 20 ft) | 45 | _ TOTAL COVE | 21 | Hydrophytic Vegetatio | n Present? \ | es N | 0 / |
| Noody Vine Stratum (Plot size: <u>30 ft</u>) | | | | | | | |
| l | , | | | = | | | |
| 2. | | | | - | | | |
| 3. | | | | - | | | |
| 4 | | | | - | | | |
| | 0 | = Total Cove | er | | | | |

| | • | to the de | • | | | ndicator | or confirm the al | osence of indicators. |) | | |
|-------------------------|------------------------------|-----------|------------------|----------|-------------------|------------------|------------------------------|------------------------------------|----------|-----------------|----------------------|
| Depth _ | Matrix | | Redox | | | 12 | Taud | | | Da | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Type ¹ | Loc ² | Text | | | ке | emarks |
| 0 - 12 | 10YR 4/2 | 100 | 10175 | _ | | | Silty Cla | | | | |
| 12 - 20 | 10YR 4/1 | 98 | 10YR 6/6 | 2 | C | M | Silty Cla | y Loam | | | |
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| ¹Type: C = C | oncentration, D = I | Depletio | n, RM = Reduced | Mat | rix, MS = | Masked | Sand Grains. ² Lo | ocation: PL = Pore Lir | ning, I | M = Matri | ix. |
| Hydric Soil | ndicators: | | | | | | | Indicators for Prob | lemat | ic Hydric | Soils ³ : |
| Histosol | (A1) | | Polyvalue Bel | ow S | urface (S | 8) (LRR I | R, MLRA 149B) | 2 cm Muck (A10 |)) (I RI | RKI MI | RΔ 1/49R) |
| Histic Ep | ipedon (A2) | | Thin Dark Sui | face | (S9) (LRR | R, MLR | A 149B) | Coast Prairie Re | | | |
| Black Hi | | | Loamy Mucky | | | | | 5 cm Mucky Pe | | | |
| Hydroge | en Sulfide (A4) | | Loamy Gleye | | | | | | | | (LKK K, L, K) |
| | d Layers (A5) | | Depleted Ma | rix (I | - 3) | | | Dark Surface (S Polyvalue Below | | | (I DD 1/ I) |
| Deplete | d Below Dark Surfa | ace (A11) | Redox Dark S | urfa | ce (F6) | | | , | | | |
| Thick Da | ark Surface (A12) | | Depleted Dar | k Su | rface (F7) | | | Thin Dark Surfa | | | |
| Sandy M | lucky Mineral (S1) | | Redox Depre | ssior | ıs (F8) | | | Iron-Manganes | | | |
| Sandy G | leyed Matrix (S4) | | · | | | | | Piedmont Flood | • | | |
| - | edox (S5) | | | | | | | Mesic Spodic (T | | | IA, 145, 149B) |
| _ | Matrix (S6) | | | | | | | Red Parent Mat | | | |
| | rface (S7) (LRR R, M | II DA 140 | ND) | | | | | Very Shallow Da | ark Su | ırface (TF | ⁻ 12) |
| Dark Su | 11ace (37) (LKK K, IV | ILKA 145 | , Б) | | | | | Other (Explain i | in Rer | narks) | |
| 3Indicators | of hydrophytic veg | etation a | and wetland hydr | olog | y must be | e presen | t, unless disturbe | d or problematic. | | | |
| - | ayer (if observed): | | | | , | ĺ | | | | | |
| | Type: | | None | | | Hydric | Soil Present? | Vo | ac . | _ No / _ | |
| | • • | | None | • | | liyanc | Joil Frederic | 10 | | _ 140 | - |
| - | Depth (inches): | | | | | | | | | | |
| Remarks: No positive | indication of hydri | c soils w | as observed. | | | | | | | | |
| Tro positive | marcation or riyar. | | as observed. | | | | | | | | |
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