| Project/Site: AEP Carrollton-Sunnysi | ide T-Line | City/County: Carroll | Sampling Date: 27-Apr-17 |
|--|--|-----------------------------------|---|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-bcr-042717-01 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | |
| Landform (hillslope, terrace, etc.): | Footslope | Local relief (concave, convex, r | none): none Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | · · · · · · · · · · · · · · · · · · · | 40.617346 Lor | ng.: -81.131864 |
| Soil Map Unit Name: WmC | | 10.017340 | NWI classification: NA |
| Are climatic/hydrologic conditions of | on the site typical for this time of yea | ar? Yes • No O (If no | , explain in Remarks.) |
| Are Vegetation, Soil | | - ' | I Circumstances" present? Yes ● No ○ |
| Are Vegetation, Soil | , or Hydrology 🔲 naturally pr | roblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - A | ttach site map showing s | | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes ○ No • | | |
| Hydric Soil Present? | Yes ● No ○ | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | 163 6 140 6 |
| Remarks: | | • | |
| Hydrology | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | and the state of t | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of o | | (D14) | Surface Soil Cracks (B6) |
| High Water Table (A2) | ☐ True Aquatic Plants☐ Hydrogen Sulfide O | | Sparsely Vegetated Concave Surface (B8) |
| Saturation (A3) | _ , , | res along Living Roots (C3) | ☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | ☐ Thin Muck Surface | • , | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain in Re | • , | Stunted or Stressed Plants (D1) |
| ☐ Iron Deposits (B5) | Outer (Explain in the | smarksy | Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | ery (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | No Depth (inches): | | |
| Surface Water Present? Yes | | | |
| Water Table Present? Yes | No Depth (inches): | Wetland Hyd | rology Present? Yes O No • |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | | rology Present: |
| Describe Recorded Data (stream g | gauge, monitoring well, aerial photos | s, previous inspections), if avai | lable: |
| | | | |
| Remarks: | | | |
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| | | Dominant | | Sampling Point: upl-bcr-042717-01 |
|--|---------------------|----------------------------------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | -Species? Rel.Strat. Cover | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: 0 (A) |
| 2. | 0 | 0.0% | | Total Number of Dominant |
| 3 | | 0.0% | | Species Across All Strata: |
| | 0 | 0.0% | | |
| | 0 | 0.0% | | Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| i | | 0.0% | | That file OBE, Thow, of the |
| · | | | | Prevalence Index worksheet: |
| | | 0.0% | | Total % Cover of: Multiply by: |
| apling-Sapling/Shrub Stratum (Plot size: | | = Total Cove | r | 0BL speci es 0 x 1 = 0 |
| | _ | 0.0% | | FACW species5 x 2 =10 |
| | | 0.0% | | FAC speci es $0 \times 3 = 0$ |
| | | 0.0% | | FACU species 40 x 4 = 160 |
| • | _ | 0.0% | | UPL speci es $\frac{50}{}$ x 5 = $\frac{250}{}$ |
| | 0 | 0.0% | | Column Total s: 95 (A) 420 (B) |
| | 0 | 0.0% | | Prevalence Index = B/A =4.421 |
| | | 0.0% | | |
| | | 0.0% | | Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation |
| | 0 | 0.0% | | Dominance Test is > 50% |
| • | 0 | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| | | = Total Cove | r | |
| hrub Stratum (Plot size:) | 0 | 0.0% | | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| | | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| | | 0.0% | | be present, unless disturbed or problematic. |
| | | 0.0% | | Definition of Vegetation Strata: |
| | | 0.0% | | Four Vegetation Strata: |
| · | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in |
| (Plot size:) | | = Total Cove | r | (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| | | ✓ 52.6% | UPL | Sapling/shrub stratum – Consists of woody plants, excluding |
| _ Zea mays | | 5.3% | FACW | vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| Solidago gigantea | | ✓ 42.1% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants regardless of size, and all other plants less than 3.28 ft tall. |
| _ Dactylis glomerata | 0 | 0.0% | FACU | Woody vines – Consists of all woody vines greater than 3.28 ft |
| | | 0.0% | | in height. |
| | | 0.0% | - | |
| | | 0.0% | | Five Vegetation Strata: |
| | | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| | | 0.0% | | diameter at breast height (DBH). |
| | | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody |
| | | 0.0% | | vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. |
| | | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| | | = Total Cove | r | vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Voody Vine Stratum (Plot size:) | | | | Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody |
| | | 0.0% | | species, except woody vines, less than approximately 3 ft (1 |
| | | 0.0% | | m) in height. |
| • | | 0.0% | | Woody vines – Consists of all woody vines, regardless of height. |
| | | 0.0% | | |
| | | 0.0% | | Hydrophytic |
| | 0 | 0.0% | | Vegetation |
| | 0 : | = Total Cove | | Present? Yes V No V |

Soil Sampling Point: upl-bcr-042717-01

| Depth - (inches) | Matrix | | Re | dox Featu | | | | |
|---|-------------------------------|---------------|------------------------------|-----------------|-------------|------------------|---------------------------|--|
| (IIICIICS) | Color (moist) | <u>%</u> | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks |
| 0-12 | 10YR 5/2 | 95 | 10YR 5/6 | 5 | С | M | Silty Clay Loam | |
| | | | | | | | | |
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| ima. C. Cana. | antration D. Danlation | n DM Dodu | and Matrix CS Cavar | ad ar Caata | d Cand Cra | no 21 0001 | tion. DI Doro Lining M. I | Matrix |
| | | n. Rivi=Reduc | ced Matrix, CS=Cover | ed or Coate | u Sanu Gra | ns -Local | tion: PL=Pore Lining. M=1 | |
| ydric Soil In | | | | ·07\ | | | Indicators for Prob | lematic Hydric Soils ³ : |
| ☐ Histosol (A | | | Dark Surface (| , | CO) (MI DA | 1.47.4.40\ | 2 cm Muck (A10 |) (MLRA 147) |
| ☐ Histic Epipe | | | Polyvalue Belo | | | | Coast Prairie Re | dox (A16) |
| Black Histic | | | Thin Dark Surf | | LRA 147, 1 | 18) | (MLRA 147,148) | |
| _ | Sulfide (A4) | | Loamy Gleyed | | | | Piedmont Flood | olain Soils (F19) |
| Stratified La | | | ✓ Depleted Matri | | | | (MLRA 136, 147 | , |
| _ | (A10) (LRR N) | | Redox Dark Su Depleted Dark | | 1) | | | rk Surface (TF12) |
| ¬ . | Below Dark Surface (A1 | 11) | Redox Depress | | ') | | Other (Explain in | n Remarks) |
| _ | Surface (A12) | | Iron-Manganes | | E12) /LDD N | | | |
| ☐ Sandy Muc MLRA 147, | k Mineral (S1) (LRR N 148) | l, | MLRA 136) | | | | | |
| ☐ Sandy Gley | ed Matrix (S4) | | Umbric Surface | e (F13) (ML | RA 136, 12 | 2) | 3 | |
| | ox (S5) | | ☐ Piedmont Floo | dplain Soils | (F19) (MLR | A 148) | wetland hy | f hydrophytic vegetation and ydrology must be present, |
| Sandy Redo | ` ' | | | tarial (F21) | (MLRA 127 | . 147) | | disturbed or problematic. |
| Sandy Redo Stripped Ma | | | Red Parent Ma | iteriai (i 2 i) | ` | , | 4.11000 | |
| Stripped Ma | atrix (S6) | | Red Parent Ma | iteriai (i 2 i) | ` | , , | 4.11050 | |
| Stripped Ma | | | | nterial (121) | | , , | 4.1000 | |
| Stripped Managerictive Lay | yer (if observed): | | | iteriai (121) | | | Hydric Soil Present? | Yes ● No ○ |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iteriai (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iteriai (i 2 i) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Marketrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| Stripped Ma | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inches | yer (if observed): | | | iterial (121) | | | | |
| Stripped Markestrictive Lay Type: Depth (inches | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | iterial (121) | | | | |

| Project/Site: AEP Carrollton-Sunnysi | ide T-Line | City/County: Carroll | Sampling Date: 27-Apr-17 |
|--|---|-----------------------------------|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-bcr-042717-02,03 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | 16 T 15N R 6W |
| Landform (hillslope, terrace, etc.): | Knob | Local relief (concave, convex, r | none): convex Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | | 40.619675 Lor | ng.: -81.135239 |
| Soil Map Unit Name: WmC | <u> </u> | 40.017073 | NWI classification: NA |
| Are climatic/hydrologic conditions o | on the cite typical for this time of ye | ar? Yes • No O (If no | , explain in Remarks.) |
| Are Vegetation, Soil | | | I Circumstances" present? Yes No |
| Are Vegetation \Box , Soil \Box | , or Hydrology 🔲 naturally p | roblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - At | ttach site map showing s | ampling point location | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | 163 0 110 0 |
| Remarks: Upland data point between wetlar | nds w-bcr-042717-02 and 03. | | |
| Hydrology | | | |
| | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of o | one required, check all that apply) | | Secondary Indicators (minimum of two required) |
| Surface Water (A1) | True Aquatic Plants | (B14) | Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide O | | Drainage Patterns (B10) |
| Saturation (A3) | _ , , | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| ☐ Drift deposits (B3) | ☐ Thin Muck Surface | (C7) | Saturation Visible on Aerial Imagery (C9) |
| ☐ Algal Mat or Crust (B4) | Other (Explain in Re | • , | Stunted or Stressed Plants (D1) |
| ☐ Iron Deposits (B5) | | omano, | Geomorphic Position (D2) |
| ☐ Inundation Visible on Aerial Image | ery (B7) | | Shallow Aquitard (D3) |
| ☐ Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | | | |
| Water Table Present? Yes | ○ No | | |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | Wetland Hyd | rology Present? Yes O No 💿 |
| | gauge, monitoring well, aerial photos | s, previous inspections), if avai | lable: |
| | ,9-, , | -, | |
| Remarks: | | | |
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| | | Dominant English | | Sampling Point: | UDI-DCI-0421 | 17-02,03 |
|---|---------------------|---------------------|---------------------|---|------------------|--------------|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | | | |
| 1 | | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: | 1 | (A) |
| 2 | 0 | 0.0% | | Total Number of Deminent | | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: | 2 | (B) |
| 1 | | 0.0% | | | | |
| 5 | 0 | 0.0% | | Percent of dominant Species | 50.0% | (A/B) |
| 5 | | 0.0% | | That Are OBL, FACW, or FAC: | 30.076 | (70,0) |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: | | |
| 3 | 0 | 0.0% | | Total % Cover of: Mu | Itiply by: | |
| Sapling-Sapling/Shrub Stratum (Plot size: | 0 - | = Total Cove | r | OBL speci es0 x 1 | = 0 | |
| | | 0.0% | | FACW species 35 x 2 | = 70 | |
| | | 0.0% | | FAC species0 x 3 | = 0 | |
| | | 0.0% | - | FACU species75 x 4 | = 300 | |
| | | 0.0% | - | UPL species 10 x 5 | = 50 | |
| i | | 0.0% | | Column Totals: 120 (A) | 420 | (B) |
| · | | 0.0% | | | | |
| · · | | 0.0% | | Prevalence Index = B/A = | 3.500 | |
| 7 | | 0.0% | | Hydrophytic Vegetation Indicators | 5: | |
| 3 | | 0.0% | | Rapid Test for Hydrophytic V | egetation | |
|) | | \neg | | ☐ Dominance Test is > 50% | | |
|) | | 0.0% | | Prevalence Index is ≤3.0 ¹ | | |
| Shrub Stratum (Plot size:) | | = Total Cove | r | Morphological Adaptations 1 | | orting |
| | | 0.0% | | data in Remarks or on a sepa | - | |
| 2 | | 0.0% | | Problematic Hydrophytic Veg | etation + (Exp | lain) |
| 3 | 0 | 0.0% | | ¹ Indicators of hydric soil and we | | y must |
| ł | | 0.0% | | be present, unless disturbed or pr | | |
| 5 | 0 | 0.0% | | Definition of Vegetation Stra | ta: | |
| 5 | 0 | 0.0% | | Four Vegetation Strata: | | |
| 7 | 0 | 0.0% | | Tree stratum – Consists of woody pla (7.6 cm) or more in diameter at breas | | vines, 3 in. |
| Herb Stratum_ (Plot size:) | | = Total Cove | r | regardless of height. | 5 (// | |
| . Poa pratensis | | ▼ 58.3% | FACU | Sapling/shrub stratum – Consists of vines, less than 3 in. DBH and greate | | |
| Solidago gigantea | 25 | 20.8% | FACW | Herb stratum – Consists of all herbac | • | • |
| Plantago lanceolata | 10 | 8.3% | UPL | regardless of size, and all other plant | s less than 3.28 | ft tall. |
| Impatiens capensis | 10 | 8.3% | FACW | Woody vines – Consists of all woody | vines greater th | nan 3.28 ft |
| _ Alliaria petiolata | 5 | 4.2% | FACU | in height. | | |
| S | 0 | 0.0% | | Five Vegetation Strata: | | |
| . | 0 | 0.0% | | Tree - Woody plants, excluding wood | | imatalı 20 |
| | | 0.0% | | ft (6 m) or more in height and 3 in. (7. | , , , , , | • |
|) | 0 | 0.0% | | diameter at breast height (DBH). | | |
|) | | 0.0% | | Sapling stratum – Consists of woody vines, approximately 20 ft (6 m) or me | | |
| | | 0.0% | | than 3 in. (7.6 cm) DBH. | ore in height an | u iess |
| | | 0.0% | | Shrub stratum – Consists of woody p | , | g woody |
| | 120 | = Total Cove | r | vines, approximately 3 to 20 ft (1 to 6 | , - | 1. \ . 1 4 . |
| Noody Vine Stratum (Plot size:) | | 0.0% | | Herb stratum – Consists of all herbac including herbaceous vines, regardle | • | |
| | | | | species, except woody vines, less the | | |
| <u></u> | | 0.0% | | m) in height. | * | |
| 3 | | 0.0% | | Woody vines – Consists of all woody height. | vines, regardle | ss of |
| · | | 0.0% | | - 5 | | |
| 5 | | 0.0% | | Hydrophytic | | |
| 5 | | 0.0% | | Vegetation | | |
| | 0 | = Total Cove | | Present? Yes \cup No \bullet | | |

Soil Sampling Point: upl-bcr-042717-02,03

| Profile Descr | | the depth n | | | | nfirm the a | absence of indicators.) | |
|------------------|--|-------------|-------------------------------|--------------|-------------|-----------------------|----------------------------|------------------------------------|
| Depth | Matrix | | | dox Featu | ires 1 | | | |
| (inches) 0-12 | Color (moist) 10YR 4/4 | <u>%</u> | Color (moist) | % | Tvpe 1 | Loc ² | Texture Silt Loam | Remarks |
| | 101K 4/4 | 100 | | - | | | SIIL LOGITI | |
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| | | n. RM=Redu | ced Matrix, CS=Covere | ed or Coate | ed Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=M | atrix |
| Hydric Soil 1 | | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (| | | Dark Surface (| , | | | 2 cm Muck (A10) | (MLRA 147) |
| | pedon (A2) | | Polyvalue Belov | | | | Coast Prairie Redo | |
| Black Hist | | | Thin Dark Surfa | | | 48) | (MLRA 147,148) | |
| | Sulfide (A4) | | Loamy Gleyed | |) | | Piedmont Floodpl | ain Soils (F19) |
| _ | Layers (A5) | | Depleted Matrix Redox Dark Su | | | | (MLRA 136, 147) | |
| | k (A10) (LRR N) | 44) | Depleted Dark | ` , | 7) | | Very Shallow Dark | |
| | Below Dark Surface (A k Surface (A12) | 11) | Redox Depress | | ") | | Other (Explain in | Remarks) |
| | , , | ı | ☐ Iron-Manganes | | (F12) (LRR | N. | | |
| MLRA 147 | ıck Mineral (S1) (LRR N 7, 148) | 1, | MLRA 136) | | | | | |
| | eyed Matrix (S4) | | Umbric Surface | | | | ³ Indicators of | hydrophytic vegetation and |
| Sandy Re | | | ☐ Piedmont Floor | | | | wetland hyd | Irology must be present, |
| Stripped I | Matrix (S6) | | Red Parent Ma | terial (F21) |) (MLRA 12 | 7, 147) | unless di | sturbed or problematic. |
| Restrictive L | ayer (if observed): | | | | | | | |
| Туре: | | | | | | | | |
| Depth (inc | hes): | | | | | | Hydric Soil Present? | Yes ○ No • |
| Remarks: | | | | | | | | |
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| Project/Site: AEP Carrollton-Sunnysi | de T-Line | City/County: Carroll | Sampling Date: 26-Apr-17 |
|---|---|-----------------------------------|---|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-bcr-042617-05 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | 17 T 15N R 6W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, r | none): none Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | | 40.626630 Lor | ng.: -81.146211 |
| Soil Map Unit Name: WmC | | 40.020030 | NWI classification: NA |
| Are climatic/hydrologic conditions o | on the site typical for this time of yea | ar? Yes • No O (If no | , explain in Remarks.) |
| Are Vegetation , Soil . | | - ' | I Circumstances" present? Yes ● No ○ |
| Are Vegetation, Soil | , or Hydrology naturally p | roblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - At | ttach site map showing s | | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | les C NO C |
| Remarks: | | | |
| Hardra La san | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of o | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | ☐ Hydrogen Sulfide O | , , | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) Sediment Deposits (B2) | Presence of Reduce | • , | Dry Season Water Table (C2) Crayfish Burrows (C8) |
| Drift deposits (B3) | | ion in Tilled Soils (C6) | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | ☐ Thin Muck Surface☐ Other (Explain in Re | • , | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | U Other (Explain in Ri | emarks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | ry (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | | | |
| Water Table Present? Yes | No Depth (inches): | Mathemat Hed | rology Present? Yes O No • |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | | rology Present? Tes C NO C |
| | auge, monitoring well, aerial photos | s, previous inspections), if avai | lable: |
| | | | |
| Remarks: | | | |
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| | | Dominant | | Sampling Point: upl-bcr-042617-05 |
|--|---------------------|----------------------------------|---------------------|--|
| Tree Stratum (Plot size:) | Absolute % Cover | -Species? Rel.Strat. Cover | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: (A) |
| 2. | | 0.0% | | THE STATE OF THE S |
| | 0 | 0.0% | | Total Number of Dominant Species Across All Strata: 3 (B) |
| | | 0.0% | | |
| | 0 | 0.0% | | Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B) |
| | _ | 0.0% | | That Are OBL, FACW, or FAC:(A/B) |
| | 0 | 0.0% | | Prevalence Index worksheet: |
| | 0 | 0.0% | | Total % Cover of: Multiply by: |
| (Plot cizo: | ,0 = | = Total Cove | r | 0BL speci es0 x 1 =0 |
| apling-Sapling/Shrub Stratum (Plot size: | _ | 0.00/ | | FACW species 0 x 2 = 0 |
| | | 0.0% | | FAC speci es |
| | | 0.0% | | FACU species 80 x 4 = 320 |
| | | 0.0% | | UPL species $70 \times 5 = 350$ |
| | | 0.0% | | Col umn Total s: 150 (A) 670 (B) |
| | | 0.0% | | |
| | | 0.0% | | Prevalence Index = B/A = 4.467 |
| | | 0.0% | | Hydrophytic Vegetation Indicators: |
| | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| | | | | ☐ Dominance Test is > 50% |
| | | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| nrub Stratum (Plot size:) | | = Total Cove | r | Morphological Adaptations 1 (Provide supporting |
| | 0 | 0.0% | | data in Remarks or on a separate sheet) |
| | | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| | | 0.0% | | be present, unless disturbed or problematic. |
| | | 0.0% | | Definition of Vegetation Strata: |
| | | 0.0% | | Four Vegetation Strata: |
| | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 i (7.6 cm) or more in diameter at breast height (DBH), |
| erb Stratum (Plot size:) | | = Total Cove | r | regardless of height. |
| | 70 | ✓ 46.7% | UPL | Sapling/shrub stratum – Consists of woody plants, excluding |
| | 20 | ✓ 20.0% | FACU | vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb stratum – Consists of all herbaceous (non-woody) plant |
| Trifollum pratense Taraxacum officinale | | 10.0% | FACU | regardless of size, and all other plants less than 3.28 ft tall. |
| Festuca arundinacea | | 20.0% | FACU | Woody vines – Consists of all woody vines greater than 3.28 |
| Prunella vulgaris | | 3.3% | FACU | in height. |
| | | 0.0% | 17100 | |
| | | 0.0% | | Five Vegetation Strata: |
| | _ | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| | | 0.0% | | diameter at breast height (DBH). |
| | | \Box | | Sapling stratum – Consists of woody plants, excluding wood |
| - | | 0.0% | | vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. |
| | | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| | 0 | | | vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| oody Vine Stratum (Plot size:) | 150 = | = Total Cove | ı | Herb stratum – Consists of all herbaceous (non-woody) plant |
| | | 0.0% | | including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1 |
| | | 0.0% | | m) in height. |
| | | 0.0% | | Woody vines – Consists of all woody vines, regardless of |
| | | 0.0% | | height. |
| | 0 | 0.0% | | Hydrophytic |
| | 0 | 0.0% | | Hydrophytic Vegetation |
| | | = Total Cove | | Present? Yes No • |

Soil Sampling Point: upl-bcr-042617-05

| Depth - | Matrix | | Red | ox Featur | | | | |
|----------------------------------|-------------------------------|--------------|-----------------------------|-------------|-------------|-----------------------|---------------------------|---|
| (inches) | Color (moist) | <u>%</u> | Color (moist) | <u>%</u> | Tvpe 1 | Loc ² | Texture | Remarks |
| 0-12 | 10YR 3/4 | 100 | | | | | | |
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| - 0 0 | | DM D 1 | - IM II 00 0 | | | 21 | | |
| | | n. RIVI=Reau | ced Matrix, CS=Covered | or Coated | Sand Grai | ns ² Locai | tion: PL=Pore Lining. M=N | 1atrix |
| ydric Soil Ir | | | | | | | Indicators for Probl | ematic Hydric Soils ³ : |
| ☐ Histosol (A | | | Dark Surface (S | • | -> / | | 2 cm Muck (A10) | (MLRA 147) |
| ☐ Histic Epipe | | | Polyvalue Below | | | | Coast Prairie Rec | lox (A16) |
| ☐ Black Histid | | | Thin Dark Surface | | .RA 147, 14 | 18) | (MLRA 147,148) | |
| _ | Sulfide (A4) | | Loamy Gleyed M | | | | Piedmont Floodp | lain Soils (F19) |
| | • | | Depleted Matrix | | | | (MLRA 136, 147) | |
| _ | (A10) (LRR N) | | Redox Dark Surf | | | | Very Shallow Da | rk Surface (TF12) |
| _ · | Below Dark Surface (A | 11) | Depleted Dark S | | | | Other (Explain in | Remarks) |
| _ | Surface (A12) | | Redox Depression | | | | | |
| Sandy Muc MLRA 147, | k Mineral (S1) (LRR N 148) | l, | Iron-Manganese MLRA 136) | Masses (F | 12) (LRR N | ı | | |
| Sandy Gley | ed Matrix (S4) | | Umbric Surface | (F13) (MLF | RA 136, 122 | 2) | 3 | |
| Sandy Red | ox (S5) | | Piedmont Flood | plain Soils | (F19) (MLR | A 148) | Indicators of wetland by | hydrophytic vegetation and drology must be present, |
| | (0.1) | | Red Parent Mate | erial (F21) | (MLRA 127 | , 147) | unless d | isturbed or problematic. |
| Stripped M | atrix (S6) | | rroa r aront mate | | | | | |
| | | | | | | | | |
| estrictive La | yer (if observed): | | | | | | | |
| estrictive La | yer (if observed): | | | | | | Hydric Soil Present? | Ves O No • |
| estrictive La | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No • |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes O No • |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| Type: | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No • |
| Type: | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No • |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| Restrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |
| estrictive La Type: Depth (inch | yer (if observed): | | | | | | Hydric Soil Present? | Yes ○ No ● |

| Project/Site: AEP Carrollton-Sunnysid | e T-Line | | City/County: Carrol | 1 | Sampling Date: 26-Apr-17 |
|--|----------------|----------------------------|--------------------------|------------------|---|
| Applicant/Owner: AEP | | | 5 | State: OH | Sampling Point: upl-bcr-042617-03,04 |
| Investigator(s): BCR/MDT | | | Section, Township, | Range: S | 23 T 15N R 6W |
| Landform (hillslope, terrace, etc.): | | L | ocal relief (concave, | convex, none | |
| Subregion (LRR or MLRA): LRR N | | | 10.629585 | | -81.151560 Datum: NAD83 |
| Soil Map Unit Name: FcB | | | 10.027363 | | NWI classification: NA |
| · — | | tool for this Nove of con- | ·? Yes ● No ○ | (75 | |
| Are climatic/hydrologic conditions or | | | | | plain in Remarks.) |
| Are Vegetation, Soil | , or Hydrolo | | | e "Normal Cir | cumstances" present? Yes Vo No |
| Are Vegetation , Soil , | , or Hydrolo | ogy 🗌 naturally pro | blematic? (If | needed, exp | lain any answers in Remarks.) |
| Summary of Findings - At | tach site | map showing sa | mpling point l | ocations, | transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes | No O | | | |
| Hydric Soil Present? | Yes \bigcirc | No • | Is the Sampl | | s ○ No ● |
| Wetland Hydrology Present? | Yes \bigcirc | No • | within a Wet | land? | is C NO C |
| Remarks: | | | | | |
| wetland character. | | | | , | inant, hydrology and soil not indicative of |
| Hydrology | | | | | |
| Wetland Hydrology Indicators: | | | | _Se | econdary Indicators (minimum of two required) |
| Primary Indicators (minimum of or | e required; | check all that apply) | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | | True Aquatic Plants (| B14) | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | | Hydrogen Sulfide Od | or (C1) | L | Drainage Patterns (B10) |
| Saturation (A3) | | Oxidized Rhizosphere | es along Living Roots (0 | 23) | Moss Trim Lines (B16) |
| Water Marks (B1) | | Presence of Reduced | Iron (C4) | L | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | Recent Iron Reduction | on in Tilled Soils (C6) | L | Crayfish Burrows (C8) |
| Drift deposits (B3) | | Thin Muck Surface (0 | 27) | L | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | | Other (Explain in Rer | marks) | L | Stunted or Stressed Plants (D1) |
| ☐ Iron Deposits (B5) | | | | L | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imager | y (B7) | | | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | | | FAC-neutral Test (D5) |
| Field Observations: Surface Water Present? Yes | No 💿 | Depth (inches): | | | |
| Water Table Present? Yes | | Depth (inches): | | | |
| | | | Wet | tland Hydrolo | gy Present? Yes O No 🖲 |
| (includes capillary fringe) Yes | | Depth (inches): | | | |
| Describe Recorded Data (stream ga | uge, monito | ring well, aerial photos, | previous inspection | s), if available | e: |
| Damanda | | | | | |
| Remarks: | | | | | |
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| | | Dominant Species? | | Sampling Point: upl-bcr-042617-03.04 |
|---|---------------------|----------------------|-----------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | | dicator atus | Dominance Test worksheet: |
| 1 | | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC:1 (A) |
| 2 | 0 | 0.0% | | Total Number of Dominant |
| 3 | | 0.0% | | Species Across All Strata:1(B) |
| 1 | | 0.0% | | |
| 5 | 0 | 0.0% | | Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B) |
| 5 | | 0.0% | | That Are OBL, FACW, or FAC: 100.0% (A/B) |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: |
| 3 | 0 | | | Total % Cover of: Multiply by: |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cover | | 0BL speci es x 1 = |
| l | _ | 0.0% | | FACW species 95 x 2 = 190 |
|) | | 0.0% | | FAC speci es $0 \times 3 = 0$ |
| 3 | | 0.0% | | FACU species |
| ł | | 0.0% | | UPL speci es $0 \times 5 = 0$ |
| 5. | | 0.0% | | Column Totals:110 (A)250 (B) |
| 5 | | 0.0% | | Prevalence Index = B/A = 2.273 |
| 7 | | 0.0% | | |
| 3 | | 0.0% | | Hydrophytic Vegetation Indicators: |
|) | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
|) | | 0.0% | | ✓ Dominance Test is > 50% |
| | 0 | = Total Cover | | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | | | | Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) |
| | | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 2 | | 0.0% | | |
| 3 | | 0.0% | | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| ł | | | | |
| 5 | | 0.0% | | Definition of Vegetation Strata: |
| 5 | 0 | | | Four Vegetation Strata: |
| 7 | 0 | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), |
| lerb Stratum (Plot size:) | = | = Total Cover | | regardless of height. Sapling/shrub stratum – Consists of woody plants, excluding |
| 1. Phalaris arundinacea | 80 | ✓ 72.7% F | ACW | vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| Cirsium arvense | 15 | 13.6%F | ACU | Herb stratum - Consists of all herbaceous (non-woody) plants, |
| 3. Solidago gigantea | 15 | | ACW | regardless of size, and all other plants less than 3.28 ft tall. |
| l., | 0 | 0.0% | | Woody vines – Consists of all woody vines greater than 3.28 ft in height. |
| 5 | 0 | | | in noight |
| 5 | 0 | 0.0% | | Five Vegetation Strata: |
| 7 | 0 | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 20 |
| 3 | 0 | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
|) | 0 | 0.0% | | diameter at breast height (DBH). |
|) | | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less |
| l | | 0.0% | | than 3 in. (7.6 cm) DBH. |
| 2 | 0 | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Noody Vine Stratum (Plot size:) | 110 = | = Total Cover | | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 1 | 0 | 0.0% | | including herbaceous vines, regardless of size, and woody |
| 2. | 0 | 0.0% | | species, except woody vines, less than approximately 3 ft (1 m) in height. |
| 3. | | 0.0% | | Woody vines – Consists of all woody vines, regardless of |
| | | 0.0% | | height. |
| 1 | | 0.0% | | |
| 5 | 0 | | | Hydrophytic |
| 5 | | | | Vegetation Present? Yes No |
| | 0 | | | • |

Soil Sampling Point: upl-bcr-042617-03,04

| Profile Descr | | the depth n | | | | nfirm the a | bsence of indicators.) | |
|--------------------------|------------------------------------|-------------|------------------------------|---------------|--------------|------------------------|----------------------------|-----------------------------------|
| Depth | | | | | | | | |
| (inches) 0-12 | Color (moist) | <u>%</u> | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks |
| U-12 | 10YR 3/3 | | - | _ | | | , | |
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| ¹ Type: C=Con | centration. D=Depletio | n. RM=Reduc | ed Matrix, CS=Covere | ed or Coate | ed Sand Gra | ins ² Locat | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | Indicators: | | | | | | Indicators for Proble | matic Hydric Soils ³ : |
| Histosol (| | | Dark Surface (| . , | | | 2 cm Muck (A10) | |
| | pedon (A2) | | Polyvalue Belov | | | | Coast Prairie Redo | |
| Black Hist | | | Thin Dark Surfa | | | 48) | (MLRA 147,148) | , (A10) |
| | Sulfide (A4) | | Loamy Gleyed | |) | | Piedmont Floodpla | ain Soils (F19) |
| | Layers (A5) | | Depleted Matri | | | | (MLRA 136, 147) | |
| | k (A10) (LRR N) | | Redox Dark Su | . , | =\ | | Very Shallow Dark | Surface (TF12) |
| | Below Dark Surface (A | .11) | Depleted Dark | | /) | | Other (Explain in | Remarks) |
| | k Surface (A12) | | Redox Depress Iron-Manganes | | (E12) (LDD (| NI. | | |
| Sandy Mu MLRA 147 | ick Mineral (S1) (LRR N 7, 148) | ١, | MLRA 136) | | | | | |
| | eyed Matrix (S4) | | Umbric Surface | | | | 3 Indicators of | nydrophytic vegetation and |
| Sandy Re | | | ☐ Piedmont Floo | | | | wetland hyd | rology must be present, |
| ☐ Stripped N | Matrix (S6) | | Red Parent Ma | iterial (F21) | (MLRA 127 | 7, 147) | unless dis | sturbed or problematic. |
| Restrictive L | ayer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (inc | hes): | | | | | | Hydric Soil Present? | Yes O No • |
| Remarks: | | | | | | | | |
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| Project/Site: AEP Carrollton-Sunnyside | e T-Line | City | /County: Carroll | Sampling Date: 26-Apr-17 |
|---|----------------------|---|-----------------------------|--|
| Applicant/Owner: AEP | | | State: OH | |
| Investigator(s): BCR/MDT | | Sec | tion, Township, Range: S | |
| Landform (hillslope, terrace, etc.): | Hillside | Local | relief (concave, convex, r | |
| Subregion (LRR or MLRA): LRR N | Tilliside | | | 1 |
| , | | Lat.: 40.63 | 311/5 LO F | |
| Soil Map Unit Name: FcB | | | Yes No (If no. | NWI classification: NA |
| Are climatic/hydrologic conditions on | | | • | , explain in Remarks.) |
| Are Vegetation, Soil | , or Hydrolog | gy significantly dist | urbed? Are "Normal | Circumstances" present? Yes No |
| Are Vegetation , Soil , | , or Hydrolo | gy naturally probler | matic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - Att | ach site | map showing samp | ling point location | s, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O | No 💿 | | |
| Hydric Soil Present? | Yes 🔾 | No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes 🔾 | No 💿 | within a Wetland? | res U NU U |
| Remarks: | | | | |
| | | | | |
| Hydrology | | | | |
| Wetland Hydrology Indicators: | | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of on | <u>e required; c</u> | heck all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | | True Aquatic Plants (B14) | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | | Hydrogen Sulfide Odor (C | · | Drainage Patterns (B10) |
| Saturation (A3) | | Oxidized Rhizospheres ald | | Moss Trim Lines (B16) |
| Water Marks (B1) | | Presence of Reduced Iron | • , | Dry Season Water Table (C2) |
| Sediment Deposits (B2) Drift deposits (B3) | | Recent Iron Reduction in | Tilled Soils (C6) | Crayfish Burrows (C8) |
| Algal Mat or Crust (B4) | | Thin Muck Surface (C7) | ` | Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | | Other (Explain in Remarks | S) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imagery | / (B7) | | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | ` ' | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | | FAC-neutral Test (D5) |
| Field Observations: | | | | |
| Surface Water Present? Yes | | Depth (inches): | | |
| Water Table Present? Yes | No 💿 | Depth (inches): | | rology Present? Yes No 💿 |
| Saturation Present? (includes capillary fringe) Yes | No 💿 | Depth (inches): | Wetland Hyd | rology Present? Yes O No • |
| Describe Recorded Data (stream ga | uge, monitor | ing well, aerial photos, pre | vious inspections), if avai | lable: |
| J (3. | 3,, | 3 · , · · · · · · · · · · · · · · · · · | ,, ,, | |
| Remarks: | | | | |
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| | | Dominant Engaine? | | Sampling Point: | UDI DOI CTEO | 17 01,02 |
|---|---------------------|----------------------|---------------------|---|-------------------|--------------|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | | | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: | 1 | (A) |
| 2 | | 0.0% | | T | | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: | 5 | (B) |
| 4 | | 0.0% | | ' | | • / |
| 5 | 0 | 0.0% | | Percent of dominant Species | 20.00/ | (A/B) |
| ô | | 0.0% | | That Are OBL, FACW, or FAC: | 20.0% | (A/D) |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: | | |
| 3 | 0 | 0.0% | | Total % Cover of: Mult | iply by: | |
| (Dlataire) | , _ 0 = | = Total Cove | r | 0BL speciles0 x 1 | = 0 | |
| Sapling-Sapling/Shrub Stratum (Plot size: | | | | FACW species 25 x 2 | = 50 | |
| | | 0.0% | | FAC species 35 x 3 | = 105 | |
| <u>2.</u> | | 0.0% | | FACU species 95 x 4 | | |
| 3 | | 0.0% | | UPL species 60 x 5 | | |
| 1 | | 0.0% | | 1 | | (B) |
| 5 | | 0.0% | | Column Totals: 215 (A) | 835 | (6) |
| 5 | | 0.0% | | Prevalence Index = B/A = | 3.884 | |
| 7 | | 0.0% | | Hydrophytic Vegetation Indicators | · | |
| 3 | | 0.0% | | Rapid Test for Hydrophytic Ve | getation | |
| 9 | 0 | 0.0% | | Dominance Test is > 50% | | |
|) | | 0.0% | | Prevalence Index is ≤3.0 ¹ | | |
| Shrub Stratum (Plot size:) | 0 = | = Total Cove | r | Morphological Adaptations 1 | (Provide supp | ortina |
| 1. Rosa multiflora | 20 | ✓ 66.7% | FACU | data in Remarks or on a separ | | J |
| 2. Prunus serotina | 10 | 33.3% | FACU | Problematic Hydrophytic Vege | etation 1 (Exp | lain) |
| 3 | | 0.0% | | ¹ Indicators of hydric soil and wet | land hydrolog | v must |
| 4 | | 0.0% | | be present, unless disturbed or pro | | , |
| 5 | | 0.0% | | Definition of Vegetation Strat | a: | |
| | | 0.0% | | Four Vegetation Strata: | | |
| 5 | | 0.0% | | Tree stratum – Consists of woody plan | nts, excluding | vines, 3 in. |
| 7 | | = Total Cove | | (7.6 cm) or more in diameter at breast regardless of height. | height (DBH), | |
| Herb Stratum (Plot size:) | | | | Sapling/shrub stratum – Consists of w | voody plants, e | xcludina |
| 1. Setaria faberi | 60 | 32.4% | UPL | vines, less than 3 in. DBH and greater | | |
| 2. Schedonorus arundinaceus | 25 | 13.5% | FACU | Herb stratum – Consists of all herbace | | |
| 3. Apocynum cannabinum | 35 | 18.9% | FACU | regardless of size, and all other plants | | |
| 1. Taraxacum officinale | 5 | 2.7% | FACU | Woody vines – Consists of all woody vin height. | vines greater tr | ian 3.28 ft |
| 5. Solidago gigantea | 25 | 13.5% | FACW | | | |
| 6. Claytonia virginica | 35 | 18.9% | FAC | Five Vegetation Strata: | | |
| 7 | 0 | 0.0% | | Tree - Woody plants, excluding woody | vines, approx | imately 20 |
| 3 | 0 | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 | | |
| 9 | | 0.0% | | diameter at breast height (DBH). Sapling stratum – Consists of woody | nlante eveludii | na woody |
|) | 0 | 0.0% | | vines, approximately 20 ft (6 m) or mo | | |
| 1 | | 0.0% | | than 3 in. (7.6 cm) DBH. | | |
| 2 | 0 | 0.0% | | Shrub stratum – Consists of woody pl vines, approximately 3 to 20 ft (1 to 6 i | | g woody |
| Woody Vine Stratum (Plot size:) | 185 = | = Total Cove | r | Herb stratum – Consists of all herbace | , - | dy) plants. |
| 1 | 0 | 0.0% | | including herbaceous vines, regardles | ss of size, and v | woody |
| 2 | 0 | 0.0% | | species, except woody vines, less tha m) in height. | n approximatel | y 3 ft (1 |
| 3. | | 0.0% | | Woody vines – Consists of all woody | vines regardle | ss of |
| | | 0.0% | | height. | , . oga: alc. | -5 0. |
| 4 | | 0.0% | | | | |
| 5 | | | | Hydrophytic | | |
| 6 | | | | Vegetation Present? Yes No • | | |
| | | | | | | |

Soil Sampling Point: upl-bcr-042617-01,02

| Profile Descri | iption: (Describe to | the depth n | eeded to documen | t the indic | ator or co | nfirm the a | bsence of indicators.) | |
|-----------------------------|-----------------------------------|---------------|-----------------------------|---------------|---------------|-------------|----------------------------|----------------------------|
| Depth Matrix Redox Features | | | | | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | %_ | Tvpe 1 | Loc² | Texture | Remarks |
| 0-12 | 10YR 4/3 | 80 | 10YR 4/6 | 20 | C | M | Silt Loam | |
| | | | | | | | | |
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| 1 Type: C=Cond | rentration D=Depletio | n RM=Reduc | ed Matrix CS=Cover | ed or Coate | ed Sand Gra | ins 21 oca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | | II. KWI-Keuuc | ed Matrix, C3-Cover | ed of coate | Su Sariu Gra | IIIS LOCA | | |
| Histosol (A | | | Dark Surface (| (C7) | | | Indicators for Proble | matic Hydric Soils 3: |
| | pedon (A2) | | Polyvalue Belo | | (CO) (MI DA | 147 140) | 2 cm Muck (A10) | (MLRA 147) |
| Black Histi | | | Thin Dark Surf | | | | Coast Prairie Redo | x (A16) |
| | Sulfide (A4) | | | | | 40) | (MLRA 147,148) | |
| | Layers (A5) | | Loamy Gleyed Depleted Matr | | | | Piedmont Floodpla | ain Soils (F19) |
| | k (A10) (LRR N) | | Redox Dark Su | | | | (MLRA 136, 147) | |
| | | 11) | Depleted Dark | | 7) | | | |
| | Below Dark Surface (A | 11) | Redox Depress | | ") | | Other (Explain in | Remarks) |
| | k Surface (A12) | | Iron-Mangane | | 'F12\ (I DD I | M | | |
| Sandy Mu MLRA 147 | ck Mineral (S1) (LRR N 7, 148) | l, | MLRA 136) | | | | | |
| | yed Matrix (S4) | | Umbric Surfac | | | | 3 Indicators of I | nydrophytic vegetation and |
| Sandy Red | | | ☐ Piedmont Floo | | | | wetland hyd | rology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | aterial (F21) | (MLRA 127 | 7, 147) | unless dis | turbed or problematic. |
| Restrictive La | ayer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (inch | nes): | | | | | | Hydric Soil Present? | Yes O No 💿 |
| Remarks: | | | | | | | | |
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| Project/Site: AEP Carrollton-Sunnysid | le T-Line | City/County: Carroll | Sampling Date: 25-Apr-17 |
|---|---|------------------------------------|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-bcr-042517-02,03 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | 31 T 16N R 6W |
| Landform (hillslope, terrace, etc.): | Footslope | Local relief (concave, convex, n | one): none Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | <u> </u> | 40.655098 Lon | ng.: -81.198562 |
| Soil Map Unit Name: Sb | | 40.033070 | NWI classification: NA |
| Are climatic/hydrologic conditions or | n the site tunical for this time of yes | ar? Yes No (If no. | explain in Remarks.) |
| Are Vegetation , Soil | | | Circumstances" present? Yes No |
| Are Vegetation $igsqcup$, Soil $igsqcup$ | , or Hydrology 🔲 naturally pr | oblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - At | tach site map showing sa | ampling point location | s, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | 103 0 110 0 |
| Remarks: | | - | |
| opiana data point in mowed lawn | adjacent to wetlands, stream and l | Lake Monawk. | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of or | ne required; check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | (B14) | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide O | • • | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | • • | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | Recent Iron Reduct | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | Thin Muck Surface | (C7) | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain in Re | emarks) | Stunted or Stressed Plants (D1) |
| ☐ Iron Deposits (B5) | (5-5) | | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imager | y (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | | | |
| C | | Wetland Hydr | rology Present? Yes O No 💿 |
| (includes capillary fringe) Yes | | | |
| Describe Recorded Data (stream ga | auge, monitoring well, aerial photos | s, previous inspections), if avail | able: |
| | | | |
| Remarks: | | | |
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| | | -Species? | Sampling Point: <u>upi-pcr-042517-02,03</u> |
|---|------------------|----------------------|--|
| Tree Stratum (Plot size:) | Absolute % Cover | Rel.Strat. Indicator | Dominance Test worksheet: |
| | | 0.0% | Number of Dominant Species That are OBL, FACW, or FAC: 0 (A) |
| 1 | | 0.0% | That are OBL, FACW, or FAC: O (A) |
| 3 | | 0.0% | Total Number of Dominant |
| 4 | | 0.0% | Species Across All Strata: (B) |
| | | 0.0% | Percent of dominant Species |
| 5 | | 0.0% | That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | | 0.0% | Prevalence Index worksheet: |
| 7 | | 0.0% | Total % Cover of: Multiply by: |
| 8 | | = Total Cover | |
| Sapling-Sapling/Shrub Stratum (Plot size: | _) | - Total Cover | OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 |
| 1 | 0 | | |
| 2 | 0 | | · — — |
| 3 | 0 | | FACU species $35 \times 4 = 140$ |
| 4 | 0 | | UPL speci es $\frac{70}{}$ x 5 = $\frac{350}{}$ |
| 5 | 0 | | Column Totals: <u>105</u> (A) <u>490</u> (B) |
| 6 | _ | 0.0% | Prevalence Index = B/A =4.667_ |
| 7 | 0 | | Hydrophytic Vegetation Indicators: |
| 8 | 0 | 0.0% | Rapid Test for Hydrophytic Vegetation |
| 9 | 0 | 0.0% | Dominance Test is > 50% |
| 0 | 0 | 0.0% | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | | = Total Cover | Morphological Adaptations ¹ (Provide supporting |
| 1 | 0 | 0.0% | data in Remarks or on a separate sheet) |
| 2 | | 0.0% | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3. | | 0.0% | ¹ Indicators of hydric soil and wetland hydrology must |
| 4 | | 0.0% | be present, unless disturbed or problematic. |
| 5 | | 0.0% | Definition of Vegetation Strata: |
| 6 | | 0.0% | Four Vegetation Strata: |
| | | 0.0% | Tree stratum – Consists of woody plants, excluding vines, 3 in. |
| 7 | | = Total Cover | (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| Herb Stratum (Plot size:) | | | Sapling/shrub stratum – Consists of woody plants, excluding |
| 1. Setaria faberi | | ✓ 66.7% UPL | vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| 2. Plantago major | | 9.5% FACU | Herb stratum – Consists of all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall. |
| 3. Taraxacum officinale | | 14.3%FACU | ' |
| 4. Achillea millefolium | | 9.5% FACU | Woody vines – Consists of all woody vines greater than 3.28 ft in height. |
| 5 | 0 | 0.0% | |
| 6 | | 0.0% | Five Vegetation Strata: |
| 7 | | 0.0% | Tree - Woody plants, excluding woody vines, approximately 20 |
| 8 | | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). |
| 9 | | | Sapling stratum – Consists of woody plants, excluding woody |
| 0 | 0 | | vines, approximately 20 ft (6 m) or more in height and less |
| 1 | 0 | | than 3 in. (7.6 cm) DBH. |
| 2 | 0 | 0.0% | Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Woody Vine Stratum (Plot size:) | 105 = | = Total Cover | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 1 | 0 | 0.0% | including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1 |
| 2 | 0 | 0.0% | m) in height. |
| 3 | 0 | 0.0% | Woody vines – Consists of all woody vines, regardless of |
| 4. | 0 | 0.0% | height. |
| 5. | 0 | 0.0% | |
| 6 | 0 | 0.0% | Hydrophytic Vegetation |
| | | | |
| | 0 | = Total Cover | Present? Yes V No V |

Soil Sampling Point: upl-bcr-042517-02,03

| Profile Desci | | the depth i | | | | nfirm the a | absence of indicators.) | |
|------------------|--|-------------|-------------------------------|--------------|-------------|-----------------------|----------------------------|------------------------------------|
| Depth | Matrix | | | lox Featu | res 1 | | · | |
| (inches) 0-10 | Color (moist) 10YR 4/4 | % | Color (moist) | % | Tvpe 1 | Loc ² | Texture Silt Loam | Remarks |
| | 101K 4/4 | 100 | | | | | Silt Loaiii | |
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| | | n. RM=Redu | iced Matrix, CS=Covere | d or Coate | ed Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=M | atrix |
| Hydric Soil | | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (| | | Dark Surface (| , | | | 2 cm Muck (A10) | (MLRA 147) |
| | pedon (A2) | | Polyvalue Belov | | | | Coast Prairie Redo | ox (A16) |
| Black His | | | ☐ Thin Dark Surfa | | | 48) | (MLRA 147,148) | |
| | Sulfide (A4) | | Loamy Gleyed | | | | Piedmont Floodpl | ain Soils (F19) |
| | Layers (A5) | | Depleted Matrix Redox Dark Su | | | | (MLRA 136, 147) | |
| I — | k (A10) (LRR N) | 44) | Depleted Dark | ` , | 7) | | Very Shallow Dark | |
| | Below Dark Surface (A k Surface (A12) | .11) | Redox Depress | | ,, | | Other (Explain in | Remarks) |
| | , , | | ☐ Iron-Manganes | | F12) (LRR I | N. | | |
| MLRA 14 | • | ۱, | MLRA 136) | | | | | |
| | eyed Matrix (S4) | | Umbric Surface | | | | ³ Indicators of | hydrophytic vegetation and |
| Sandy Re | | | ☐ Piedmont Floor | | | | wetland hyd | rology must be present, |
| Stripped | Matrix (S6) | | Red Parent Ma | terial (F21) | (MLRA 12 | 7, 147) | unless di | sturbed or problematic. |
| Restrictive L | ayer (if observed): | | | | | | | |
| Туре: | | | | | | | | |
| Depth (inc | :hes): | | | | | | Hydric Soil Present? | Yes ○ No • |
| Remarks: | | | | | | | | |
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| Project/Site: AEP Carrollton-Sunnysi | ide T-Line | City/County: Carroll | Sampling Date: 25-Apr-17 |
|---|---|------------------------------------|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-bcr-042517-01 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, r | none): convex Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | | 40.663352 Lo i | ng.: -81.213560 |
| Soil Map Unit Name: GfB | | 40.003332 | NWI classification: NA |
| Are climatic/hydrologic conditions o | on the site typical for this time of ye | ar? Yes • No O (If no | , explain in Remarks.) |
| Are Vegetation , Soil | | | I Circumstances" present? Yes No |
| Are Vegetation, Soil | , or Hydrology naturally p | roblematic? (If needed, | explain any answers in Remarks.) |
| | | , | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes ○ No • | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 🗨 | within a Wetland? | ies C NO C |
| Remarks: Upland data point on hillslope adj | jacent to w-bcr-042517-01. | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of o | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | ☐ Hydrogen Sulfide O | , , | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | • , | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | ☐ Thin Muck Surface | • , | Saturation Visible on Aerial Imagery (C9) |
| ☐ Algal Mat or Crust (B4)☐ Iron Deposits (B5) | Uther (Explain in R | emarks) | Stunted or Stressed Plants (D1) |
| Inundation Visible on Aerial Image | on. (P7) | | Geomorphic Position (D2) |
| Water-Stained Leaves (B9) | ery (B7) | | Shallow Aquitard (D3) |
| Aquatic Fauna (B13) | | | Microtopographic Relief (D4) |
| | | | FAC-neutral Test (D5) |
| Field Observations: Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | No Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes | _ | Wetland Hyd | rology Present? Yes O No 🗨 |
| (includes capillally irringe) | gauge, monitoring well, aerial photo: | | ilable |
| Describe Recorded Data (stream g | jauge, monitoring well, aeriai prioto. | s, previous irispections), ir avai | nable. |
| Remarks: | | | |
| incinario. | | | |
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| | | Dominant | | Sampling Point: upl-bcr-042517-01 |
|--|---------------------|----------------------------------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | -Species? Rel.Strat. Cover | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC:1 (A) |
| 2. | 0 | 0.0% | | T. LIN J. CD. |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata:4 (B) |
| 1 | | 0.0% | | |
| 5 | 0 | | | Percent of dominant Species That Are OBL, FACW, or FAC:25.0% (A/B) |
| S | 0 | | | That Are Obe, FACW, of FAC. |
| 7 | | | | Prevalence Index worksheet: |
| 3 | | 0.0% | | Total % Cover of: Multiply by: |
| apling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | 0BL speci es x 1 =0 |
| | _ | 0.0% | | FACW species <u>80</u> x 2 = <u>160</u> |
|) | | 0.0% | | FAC species $0 \times 3 = 0$ |
| 3 | 0 | 0.0% | | FACU speciles x 4 = |
| l | | 0.0% | | UPL species $0 \times 5 = 0$ |
| ·) | | 0.0% | | Column Total s: <u>135</u> (A) <u>380</u> (B) |
|). <u> </u> | | 0.0% | | Prevalence Index = B/A =2.815 |
| • | | 0.0% | | Hydrophytic Vegetation Indicators: |
| 3 | | | | Rapid Test for Hydrophytic Vegetation |
|) | | | | Dominance Test is > 50% |
|) | | 0.0% | | ✓ Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | = | = Total Cove | r | Morphological Adaptations ¹ (Provide supporting |
| . Prunus serotina | 10 | 66.7% | FACU | data in Remarks or on a separate sheet) |
| Crataegus mollis | 5 | ✓ 33.3% | FACU | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3 | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| k | | | | be present, unless disturbed or problematic. |
| 5 | | 0.0% | | Definition of Vegetation Strata: |
| 5 | | 0.0% | | Four Vegetation Strata: |
| 7 | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), |
| lerb Stratum_ (Plot size:) | 15 = | = Total Cove | r | regardless of height. |
| . Elymus virginicus | 80 | 66.7% | FACW | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| Rubus allegheniensis | | 25.0% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants. |
| 3. Andropogon virginicus | 10 | 8.3% | FACU | regardless of size, and all other plants less than 3.28 ft tall. |
| | | 0.0% | | Woody vines – Consists of all woody vines greater than 3.28 ft in height. |
| i | 0 | | | |
|). , | | | | Five Vegetation Strata: |
| · | | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 20 |
| S | | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). |
| | | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody |
|) | | 0.0% | | vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. |
| | | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| <u>. </u> | 0120 = | | | vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Voody Vine Stratum (Plot size:) | | | • | Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody |
| | | 0.0% | | species, except woody vines, less than approximately 3 ft (1 |
|). , | | 0.0% | | m) in height. |
| J | | 0.0% | | Woody vines – Consists of all woody vines, regardless of height. |
| | | 0.0% | | |
| 5 | | 0.0% | | Hydrophytic |
| 5 | | 0.0% | | Vegetation Present? Yes ○ No ● |
| | 0 : | = Total Cove | r | riesenti |

Soil Sampling Point: upl-bcr-042517-01

| Profile Descr | iption: (Describe to | the depth no | eeded to document | the indic | ator or co | nfirm the a | absence of indicators.) | |
|------------------|--|--------------|------------------------------|--------------|--------------|-----------------------|----------------------------|------------------------------------|
| Depth | Matrix | | | dox Featu | ires 1 | | | |
| (inches) 0-12 | Color (moist) 10YR 4/6 | % | Color (moist) | <u>%</u> | Tvpe 1 | Loc² | Texture Silty Clay Loam | Remarks |
| U-12 | 101K 4/0 | 100 | | - | | | Silty Clay Loam | |
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| | | n. RM=Reduc | ed Matrix, CS=Covere | ed or Coate | ed Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (| | | Dark Surface (| • | | | 2 cm Muck (A10) | (MLRA 147) |
| | pedon (A2) | | Polyvalue Belov | | | | Coast Prairie Redo | |
| Black Hist | ic (A3) Sulfide (A4) | | Thin Dark Surfa | | | 48) | (MLRA 147,148) | . • |
| | Layers (A5) | | Loamy Gleyed | |) | | Piedmont Floodpl | ain Soils (F19) |
| | k (A10) (LRR N) | | Depleted Matri Redox Dark Su | | | | (MLRA 136, 147) | |
| | | 11) | Depleted Dark | ` ' | 7) | | | |
| | Below Dark Surface (A k Surface (A12) | 111) | Redox Depress | | ,, | | Other (Explain in | Remarks) |
| | ick Mineral (S1) (LRR N | ı | ☐ Iron-Manganes | | (F12) (LRR I | V. | | |
| MLRA 147 | 7, 148) | ч, | MLRA 136) | | | | | |
| | eyed Matrix (S4) | | Umbric Surface | | | | ³ Indicators of | hydrophytic vegetation and |
| Sandy Re | | | ☐ Piedmont Floo | | | | wetland hyd | Irology must be present, |
| Stripped i | Matrix (S6) | | Red Parent Ma | terial (F21) |) (MLRA 12) | 7, 147) | unless dis | sturbed or problematic. |
| Restrictive L | ayer (if observed): | | | | | | | |
| Туре: | | | | | | | | |
| Depth (inc | hes): | | | | | | Hydric Soil Present? | Yes ○ No • |
| Remarks: | | | | | | | | |
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| Project/Site: AEP Carrollton-Sunnysid | de T-Line | City/County: Carroll | Sampling Date: 25-Apr-17 |
|--|---|-----------------------------------|---|
| Applicant/Owner: AEP | | State: OH | H Sampling Point: upl-bcr-042517-04 |
| Investigator(s): BCR/MDT | | Section, Township, Range: S | R 7W |
| Landform (hillslope, terrace, etc.): | Footslope | Local relief (concave, convex, r | none): none |
| Subregion (LRR or MLRA): LRR N | Lat.: | 40.666549 Lo i | ng.: -81.218071 |
| Soil Map Unit Name: GfB | | 10.000017 | NWI classification: NA |
| Are climatic/hydrologic conditions or | n the site typical for this time of yea | ar? Yes • No O (If no | o, explain in Remarks.) |
| Are Vegetation \square , Soil \square | , or Hydrology significantly | y disturbed? Are "Norma | Il Circumstances" present? Yes ● No ○ |
| Are Vegetation, Soil | , or Hydrology naturally pr | roblematic? (If needed, | explain any answers in Remarks.) |
| | | , | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No • | | |
| Hydric Soil Present? | Yes O No | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No • | within a Wetland? | res U NO U |
| Remarks: | | | |
| | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of or | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | ☐ Hydrogen Sulfide O | , , | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) Sediment Deposits (B2) | Presence of Reduce | • , | Dry Season Water Table (C2) |
| Drift deposits (B3) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Thin Muck Surface | • , | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | U Other (Explain in Re | emarks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imager | y (B7) | | Shallow Aquitard (D3) |
| ☐ Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | | | |
| Water Table Present? Yes | No Depth (inches): | | Irology Present? Yes O No 💿 |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | Wetland Hyd | Irology Present? Yes ○ No ● |
| Describe Recorded Data (stream ga | auge, monitoring well, aerial photos | s, previous inspections), if avai | ilable: |
| | | | |
| Remarks: | | | |
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| Indicator Status Dominance Test worksheet: |
|--|
| That are OBL, FACW, or FAC:1(A) |
| |
| Total Number of Dominant |
| Species Across All Strata: 4 (B) |
| Species Across Air Strata4 (b) |
| Percent of dominant Species |
| That Are OBL, FACW, or FAC: 25.0% (A/B) |
| Prevalence Index worksheet: |
| Total % Cover of: Multiply by: |
| er |
| |
| |
| FAC speciles 20 x 3 = 60 |
| FACU species 95 x 4 = 380 |
| UPL speci es $0 \times 5 = 0$ |
| Col umn Total s: <u>145</u> (A) <u>500</u> (B) |
| Prevalence Index = B/A = |
| |
| Hydrophytic Vegetation Indicators: |
| Rapid Test for Hydrophytic Vegetation |
| Dominance Test is > 50% |
| Prevalence Index is ≤3.0 ¹ |
| Morphological Adaptations 1 (Provide supporting |
| Buchland in the back to Vende in 1 (5 milete) |
| 1700 |
| 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| |
| Definition of Vegetation Strata: |
| Four Vegetation Strata: |
| Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), |
| er regardless of height. |
| Sapling/shrub stratum – Consists of woody plants, excluding |
| vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. FACU Herb stratum – Consists of all herbaceous (non-woody) plants, |
| FAC regardless of size, and all other plants less than 3.28 ft tall. |
| FAC Woody vines – Consists of all woody vines greater than 3.28 ft |
| FACU in height. |
| FACU Fin Vandading Chanter |
| FACU Five Vegetation Strata: |
| Tree - Woody plants, excluding woody vines, approximately 20 |
| ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). |
| Sapling stratum – Consists of woody plants, excluding woody |
| vines, approximately 20 ft (6 m) or more in height and less |
| than 3 in. (7.6 cm) DBH. Shrub stratum – Consists of woody plants, excluding woody |
| vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| er Herb stratum – Consists of all herbaceous (non-woody) plants, |
| including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1 |
| m) in height. |
| Woody vines – Consists of all woody vines, regardless of |
| height. |
| |
| Hydrophytic |
| Vegetation Present? Yes No |
| ei |
| er — - |

Soil Sampling Point: upl-bcr-042517-04

| Depth | | the depth n | eeded to document | the indica | ator or co | nfirm the a | bsence of indicators.) | | |
|---------------------------|-----------------------------------|-------------|-------------------------|---------------|-------------|-----------------------|--------------------------------------|-----------------------------------|----|
| | Matrix | | | dox Featu | res | | | | |
| _(inches) | Color (moist) | | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks | |
| 0-12 | 10YR 5/4 | 50 | | | | | Silty Clay Loam | | |
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| ¹ Type: C=Cond | centration. D=Depletio | n. RM=Reduc | ed Matrix, CS=Covere | ed or Coate | d Sand Gra | ns ² Locat | tion: PL=Pore Lining. M=Ma | atrix | |
| Hydric Soil I | ndicators: | | | | | | Indicators for Proble | matic Hydric Soils ³ : | |
| Histosol (A | A1) | | Dark Surface (| S7) | | | 2 cm Muck (A10) | | |
| | pedon (A2) | | Polyvalue Belo | | | | | | |
| Black Histi | | | Thin Dark Surf | | LRA 147, 1 | 48) | Coast Prairie Redo (MLRA 147,148) | A (A 10) | |
| | Sulfide (A4) | | Loamy Gleyed | | | | Piedmont Floodpla | ain Soils (F19) | |
| | Layers (A5) | | Depleted Matri | | | | (MLRA 136, 147) | | |
| | k (A10) (LRR N) | | Redox Dark Su | ` , | | | Very Shallow Dark | Surface (TF12) | |
| _ | Below Dark Surface (A | 11) | Depleted Dark | | ') | | Other (Explain in | Remarks) | |
| | k Surface (A12) | | Redox Depress | | 540) (LDD N | | | | |
| Sandy Mu MLRA 147 | ck Mineral (S1) (LRR N 7, 148) | l, | Iron-Manganes MLRA 136) | · | | | | | |
| Sandy Gle | eyed Matrix (S4) | | Umbric Surface | | | | 3 Indicators of | nydrophytic vegetation a | nd |
| Sandy Red | | | Piedmont Floo | dplain Soils | (F19) (MLF | A 148) | wetland hyd | rology must be present, | na |
| ☐ Stripped N | Matrix (S6) | | Red Parent Ma | iterial (F21) | (MLRA 127 | , 147) | unless dis | turbed or problematic. | |
| Restrictive La | ayer (if observed): | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | Hydric Soil Present? | Yes O No 💿 | |
| Туре: | hes): | | | | | | | | |
| Туре: | | | | | | | | | |
| Type: Depth (inch | | | | | | | | | |
| Type: Depth (inch | | | | | | | | | |
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| Type: Depth (inch | | | | | | | | | |
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| Type: Depth (inch | | | | | | | | | |
| Type: Depth (inch | | | | | | | | | |

| Project/Site: Carrollton-Sunnyside | | City/County: Stark County | Sampling Date: 28-Apr-17 |
|---|--------------------------------------|-------------------------------------|--|
| Applicant/Owner: AEP | | State: O | H Sampling Point: UP-BCR-042817-02 |
| Investigator(s): BCR, PJR | | Section, Township, Range: S | T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Terrace | Local relief (concave, convex, | none): none |
| Subregion (LRR or MLRA): | Lat | : 40.685758 Lo | ng.: -81.242394 |
| Soil Map Unit Name: Sb | | 10.000700 | NWI classification: N/A |
| Are climatic/hydrologic conditions o | on the site typical for this time of | vear? Yes No (If no | o, explain in Remarks.) |
| Are Vegetation, Soil | | | Il Circumstances" present? Yes No |
| Are Vegetation, Soil | | - | F. G. |
| | | , | explain any answers in Remarks.) ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No O | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | res U NO U |
| Remarks: | | | |
| Hudrologu | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of or | | | Surface Soil Cracks (B6) |
| Surface Water (A1) High Water Table (A2) | True Aquatic Plan | | Sparsely Vegetated Concave Surface (B8) |
| Saturation (A3) | Hydrogen Sulfide | , , | ☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Redu | wheres along Living Roots (C3) | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | uction in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | Thin Muck Surface | • , | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain in | • , | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | Other (Explain in | i Kemarks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imager | ery (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | | : | |
| Water Table Present? Yes | No Depth (inches) | : Wetland Hyd | Irology Present? Yes ○ No ● |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches) | : | ilology Fresent: 165 C NO C |
| Describe Recorded Data (stream ga | auge, monitoring well, aerial pho | tos, previous inspections), if avai | ilable: |
| | | | |
| Remarks: | | | |
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| | | Commant | | Sampling Point: UP-BCR-042817-02 |
|---|---------------------|--------------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | |
| 1 | | | | Number of Dominant Species That are OBL, FACW, or FAC: O (A) |
| 2 | | 0.0% | | Total Number of Dominant |
| 3 | | 0.0% | | Species Across All Strata: 1 (B) |
| 4 | | 0.0% | | |
| 5 | | | | Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | | 0.0% | | |
| 7 | | | | Prevalence Index worksheet: |
| 8 | | 0.0% | | Total % Cover of: Multiply by: |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | OBL species 0 x 1 = 0 |
| 1 | _ | 0.0% | | FACW species 0 x 2 = 0 |
| 2 | | 0.0% | | FAC species $0 \times 3 = 0$ |
| 3 | | 0.0% | | FACU speciles $\frac{85}{}$ x 4 = $\frac{340}{}$ |
| 4 | | 0.0% | | UPL speci es $0 \times 5 = 0$ |
| 5 | | 0.0% | | Column Totals: <u>85</u> (A) <u>340</u> (B) |
| 6 | | 0.0% | | Prevalence Index = B/A =4.000_ |
| 7 | 0 | 0.0% | | Hydrophytic Vegetation Indicators: |
| 8 | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| 9 | | 0.0% | | Dominance Test is > 50% |
| 0 | | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | 0= | = Total Cove | r | Morphological Adaptations ¹ (Provide supporting |
| 1 | 0 | 0.0% | | data in Remarks or on a separate sheet) |
| 2. | 0 | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3 | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| 4. | | 0.0% | | be present, unless disturbed or problematic. |
| 5 | | 0.0% | | Definition of Vegetation Strata: |
| 6 | | 0.0% | | Four Vegetation Strata: |
| 7 | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), |
| Herb Stratum (Plot size:) | | = Total Cove | r | regardless of height. |
| 1Rosa multiflora | 5 | 5.9% | FACU | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| 2. Achillea millefolium | 15 | 17.6% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 3. Solidago altissima | | 76.5% | FACU | regardless of size, and all other plants less than 3.28 ft tall. |
| 4 | 0 | 0.0% | | Woody vines – Consists of all woody vines greater than 3.28 ft |
| 5 | 0 | 0.0% | | in height. |
| 6 | 0 | 0.0% | | Five Vegetation Strata: |
| 7 | | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 20 |
| 8 | | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| 9 | 0 | 0.0% | | diameter at breast height (DBH). |
| 0 | | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less |
| 1 | 0 | 0.0% | | than 3 in. (7.6 cm) DBH. |
| 2 | | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Woody Vine Stratum (Plot size:) | 85= | = Total Cove | r | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 1 | 0 | 0.0% | | including herbaceous vines, regardless of size, and woody |
| 2. | 0 | 0.0% | | species, except woody vines, less than approximately 3 ft (1 m) in height. |
| 3 | 0 | 0.0% | | Woody vines – Consists of all woody vines, regardless of |
| 4 | | 0.0% | | height. |
| 5 | | 0.0% | | |
| 6. | 0 | 0.0% | | Hydrophytic Vegetation |
| o | | = Total Cove | | Present? Yes No • |
| | | | | 1 |

Soil Sampling Point: UP-BCR-042817-02

| Depth | Matrix | | Re | dox Featu | | | | |
|--------------|-------------------------|------------|----------------------|---------------|-------------|------------------------|-------------------------------------|--|
| (inches) | Color (moist) | % | Color (moist) | % | Tvpe 1 | Loc2 | Texture | Remarks |
| 0-16 | 10YR 5/3 | 55 | 10YR 4/8 | 30 | | | Sandy Loam | |
| | | | 10YR 6/2 | 15 | | | Sandy Loam | |
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| | | | | | | | | |
| vpe: C=Con | centration. D=Depletion | n. RM=Redu | ced Matrix, CS=Cover | ed or Coate | ed Sand Gra | ains ² Loca | tion: PL=Pore Lining. M=M | atrix |
| ydric Soil I | | | | | | | | |
| Histosol (| | | Dark Surface (| (\$7) | | | | ematic Hydric Soils ³ : |
| _ | pedon (A2) | | Polyvalue Belo | | (S8) (MLRA | 147 148) | 2 cm Muck (A10) | (MLRA 147) |
| Black Hist | | | ☐ Thin Dark Surf | | | | Coast Prairie Redo | ox (A16) |
| _ | Sulfide (A4) | | Loamy Gleyed | | | , | (MLRA 147,148) | |
| _ | Layers (A5) | | Depleted Matri | | , | | Piedmont Floodpl (MLRA 136, 147) | ain Soils (F19) |
| _ | k (A10) (LRR N) | | Redox Dark Su | | | | Very Shallow Dark | Curfaco (TE12) |
| _ | Below Dark Surface (A | .11) | Depleted Dark | ` ' | 7) | | | |
| | k Surface (A12) | , | Redox Depress | | , | | Other (Explain in | Remarks) |
| _ | ıck Mineral (S1) (LRR N | N. | Iron-Manganes | | (F12) (LRR | N, | | |
| MLRA 147 | 7, 148) | •, | MLRA 136) | | | | | |
| Sandy Gle | eyed Matrix (S4) | | Umbric Surface | e (F13) (MI | LRA 136, 1 | 22) | 3 | |
| Sandy Re | dox (S5) | | Piedmont Floo | dplain Soils | s (F19) (ML | RA 148) | Indicators of wetland by: | hydrophytic vegetation and lrology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | nterial (F21) |) (MLRA 12 | 7, 147) | | sturbed or problematic. |
| | ('6 - b b) | | | | | | | |
| | ayer (if observed): | | | | | | | |
| Type: | | | | | | | Hydric Soil Present? | Yes O No • |
| | hes): | | | | | | , | 103 0 110 0 |
| Remarks: | | | | | | | | |
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| Project/Site: Carrollton-Sunnyside | | City/County: Stark County | Sampling Date: 28-Apr-17 |
|--|--|--|---|
| Applicant/Owner: AEP | | State: OH | |
| Investigator(s): PJR, LCB | | Section, Township, Range: S | 15 T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Terrace | Local relief (concave, convex, n | one): convex Slope: 4.0% / 2.3 ° |
| Subregion (LRR or MLRA): | Lat.: | 40.687116 Lo n | ng.: -81.243573 |
| Soil Map Unit Name: WrB | | | NWI classification: N/A |
| Are climatic/hydrologic conditions of | n the site typical for this time of yea | nr? Yes • No O (If no. | explain in Remarks.) |
| Are Vegetation , Soil . | | | Circumstances" present? Yes No |
| Are Vegetation, Soil | , or Hydrology naturally pr | | explain any answers in Remarks.) |
| , | | (| s, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No • | | |
| Hydric Soil Present? | Yes O No • | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No • | within a Wetland? | ies C No C |
| Remarks: Upland data point for W-pjr-04281 | 17-02 | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of or 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 Imager Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gates) | True Aquatic Plants Hydrogen Sulfide Or Oxidized Rhizospher Presence of Reduce Recent Iron Reducti Thin Muck Surface (Other (Explain in Reserve) No Depth (inches): Depth (inches): Depth (inches): | dor (C1) res along Living Roots (C3) d Iron (C4) on in Tilled Soils (C6) (C7) remarks) Wetland Hydi | Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5) |
| | | | |

| | | | | | Sampling Point: UP-PJR-042817-02 |
|---|---------------------|---------|-------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | | rat. | Indicator Status | |
| 1 | 0 | 0. | .0% | | Number of Dominant Species That are OBL, FACW, or FAC: O (A) |
| 2 | | 0. | .0% | | Total Number of Dominant |
| 3 | | 0. | .0% | | Species Across All Strata:1(B) |
| 4 | | 0. | .0% | | |
| 5 | | 0. | .0% | | Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | | 0. | .0% | | That the obe, then, of the |
| 7 | | \Box | .0% | | Prevalence Index worksheet: |
| 8 | | | .0% | | Total % Cover of: Multiply by: |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total | Cover | | 0BL species |
| 1 | | 0. | .0% | | FACW species 0 x 2 = 0 |
| 2 | | 0. | .0% | | FAC species $0 \times 3 = 0$ |
| 3 | 0 | 0. | .0% | | FACU speciles $90 \times 4 = 360$ |
| 4 | 0 | 0. | .0% | | UPL speci es $0 \times 5 = 0$ |
| 5 | | 0. | .0% | | Column Totals: 90 (A) 360 (B) |
| 6 | | 0. | .0% | | Prevalence Index = B/A = 4.000 |
| 7 | | 0. | .0% | | Hydrophytic Vegetation Indicators: |
| 8 | 0 | 0. | .0% | | Rapid Test for Hydrophytic Vegetation |
| 9 | 0 | 0. | .0% | | Dominance Test is > 50% |
| 0 | 0 | 0. | .0% | | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | = | = Total | Cover | | Morphological Adaptations ¹ (Provide supporting |
| 1 | 0 | 0. | .0% | | data in Remarks or on a separate sheet) |
| 2 | 0 | 0. | .0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3 | | 0. | .0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| 4 | 0 | 0. | .0% | | be present, unless disturbed or problematic. |
| 5 | 0 | 0. | .0% | | Definition of Vegetation Strata: |
| 6 | 0 | 0. | .0% | | Four Vegetation Strata: |
| 7 | 0 | 0. | .0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), |
| Herb Stratum (Plot size:) | | = Total | Cover | | regardless of height. |
| 1. Trifolium repens | 85 | 94 | .4% | FACU | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| 2. Plantago major | 5 | 5. | .6% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 3 | 0 | 0. | .0% | | regardless of size, and all other plants less than 3.28 ft tall. |
| 4 | | 0. | .0% | | Woody vines – Consists of all woody vines greater than 3.28 ft in height. |
| 5 | | 0. | .0% | | in noight. |
| 6 | 0 | 0. | .0% | | Five Vegetation Strata: |
| 7 | 0 | 0. | .0% | | Tree - Woody plants, excluding woody vines, approximately 20 |
| 8 | 0 | 0. | .0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| 9 | 0 | 0. | .0% | | diameter at breast height (DBH). Sapling stratum – Consists of woody plants, excluding woody |
| 0 | | 0. | .0% | | vines, approximately 20 ft (6 m) or more in height and less |
| 1 | 0 | 0. | .0% | | than 3 in. (7.6 cm) DBH. |
| 2 | 0 | | .0% | | Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Woody Vine Stratum (Plot size:) | 90 = | = Total | Cover | | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 1 | | 0. | .0% | | including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1 |
| 2 | 0 | 0. | .0% | | m) in height. |
| 3 | 0 | 0. | .0% | | Woody vines – Consists of all woody vines, regardless of |
| 4 | 0 | 0. | .0% | | height. |
| 5 | | 0. | .0% | | Hydrophytic |
| 6 | 0 | 0. | .0% | | Hydrophytic Vegetation |
| | | = Total | Cove | | Present? Yes No • |

Soil Sampling Point: UP-PJR-042817-02

| Profile Descr | iption: (Describe to | the depth ne | eded to document | t the indica | ator or co | nfirm the a | bsence of indicators.) | |
|---------------------------|-------------------------|--------------|---------------------|---------------|------------|-----------------------|--------------------------------------|------------------------------------|
| Depth | Matrix | | Re | dox Featu | | | | |
| (inches) | Color (moist) | | Color (moist) | % | Type 1 | Loc2 | Texture | Remarks |
| 0-16 | 10YR 5/6 | 100 | | | | | Sandy Loam | |
| | | | | | | | | |
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| ¹ Type: C=Cond | centration. D=Depletion | n. RM=Reduce | ed Matrix, CS=Cover | ed or Coate | d Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | indicators: | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (A | A1) | | Dark Surface (| (S7) | | | 2 cm Muck (A10) | |
| Histic Epip | pedon (A2) | | Polyvalue Belo | w Surface (| S8) (MLRA | 147,148) | | |
| ☐ Black Hist | | | Thin Dark Surf | | | | Coast Prairie Redo (MLRA 147,148) | ox (A16) |
| Hydrogen | Sulfide (A4) | | Loamy Gleyed | | | | | sin Caile (F10) |
| Stratified | Layers (A5) | | Depleted Matri | | | | Piedmont Floodpla (MLRA 136, 147) | ain Soils (F19) |
| 2 cm Mucl | k (A10) (LRR N) | | Redox Dark Su | | | | Very Shallow Dark | Surface (TF12) |
| | Below Dark Surface (A | 11) | Depleted Dark | Surface (F7 |) | | | |
| | k Surface (A12) | , | Redox Depress | | , | | Other (Explain in | Remarks) |
| | ck Mineral (S1) (LRR N | ı | ☐ Iron-Manganes | , , | 12) (LRR I | N. | | |
| MLRA 147 | 7, 148) | , | MLRA 136) | | | | | |
| | eyed Matrix (S4) | | Umbric Surfac | | | | 3 Indicators of I | nydrophytic vegetation and |
| Sandy Red | dox (S5) | | Piedmont Floo | | | | wetland hyd | rology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | iterial (F21) | (MLRA 12 | 7, 147) | unless dis | turbed or problematic. |
| Restrictive La | ayer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (incl | hes): | | | | | | Hydric Soil Present? | Yes O No 💿 |
| Remarks: | , . | | | | | | | |
| Remarks. | | | | | | | | |
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| Project/Site: Carrollton-Sunnyside | | City/County: Stark County | Sampling Date: 28-Apr-17 |
|---|--|----------------------------------|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: UP-PJR-042817-01 |
| Investigator(s): PJR, LCB | | Section, Township, Range: S | T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Terrace | ocal relief (concave, convex, r | none): concave Slope: 2.0% / 1.1 ° |
| Subregion (LRR or MLRA): | Lat.: | 40.690811 Lo i | ng.: -81.248532 |
| Soil Map Unit Name: PIB | | 10.070011 | NWI classification: N/A |
| Are climatic/hydrologic conditions on | the site typical for this time of year | nr? Yes • No O (If no | , explain in Remarks.) |
| Are Vegetation, Soil | , or Hydrology significantly | • | I Circumstances" present? Yes No |
| | | | Present |
| • | , or Hydrology | , | explain any answers in Remarks.) 1s, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No O | 7 31 | |
| Hydric Soil Present? | Yes O No • | Is the Sampled Area | |
| - | Yes O No • | within a Wetland? | Yes ○ No • |
| Wetland Hydrology Present? Remarks: | 103 © 110 © | | |
| Upland data point for W-pjr-042817 | 7-01 | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of one | e required; check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | (B14) | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide O | • • | Drainage Patterns (B10) |
| Saturation (A3) | | es along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | • • | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | on in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | ☐ Thin Muck Surface (| , | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) Iron Deposits (B5) | Other (Explain in Re | emarks) | Stunted or Stressed Plants (D1) |
| Inundation Visible on Aerial Imagery | (R7) | | Geomorphic Position (D2) Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | (67) | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | No Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes | _ | Wetland Hyd | rology Present? Yes O No 💿 |
| (includes capillary fringe) Describe Recorded Data (stream gau | | | ilabla |
| Describe Recorded Data (stream gat | uge, monitoring well, aerial photos | , previous inspections), ii avai | nable: |
| Remarks: | | | |
| Remarks. | | | |
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| | | Cominant | | Sampling Point: | UF-F3K-0420 | 17-01 |
|---|---------------------|---------------|---------------------|--|-----------------------|--------------|
| Tree Stratum (Plot size:) | Absolute % Cover | 14011061461 | Indicator Status | Dominance Test worksheet: | | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: | 0 | (A) |
| 2 | | 0.0% | | Total Number of Dominant | | |
| 3 | | 0.0% | | Species Across All Strata: | 1 | (B) |
| 4 | | 0.0% | | | | |
| 5 | 0 | 0.0% | | Percent of dominant Species That Are OBL, FACW, or FAC: | 0.0% | (A/B) |
| 6 | 0 | 0.0% | | That are OBL, FACW, OF FAC. | 0.070 | (1.1.2) |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: | | |
| 8 | 0 | 0.0% | | Total % Cover of: Mu | ultiply by: | |
| Sapling-Sapling/Shrub Stratum (Plot size: | , = | = Total Cover | | OBL speci es 0 x | 1 = 0 | |
| | _ | 0.0% | | FACW species0 x 2 | 2 = 0 | |
| 1 | | 0.0% | | FAC species0 x : | 3 = 0 | |
| 2 | | 0.0% | | FACU species 95 x | 4 = 380 | |
| 3 | | | | UPL species 0 x ! | 5 = 0 | |
| 4 | | 0.0% | | Column Totals: 95 (A) | | (B) |
| 5 | | 0.0% | | Cordini rotars (A | | (-) |
| 5 | | | | Prevalence Index = B/A = | 4.000 | |
| 7 | | | | Hydrophytic Vegetation Indicator | 's: | |
| 3 | | | | Rapid Test for Hydrophytic \ | /egetation | |
| 9 | | 0.0% | | ☐ Dominance Test is > 50% | | |
|) | | 0.0% | | Prevalence Index is ≤3.0 ¹ | | |
| Shrub Stratum (Plot size:) | 0= | = Total Cover | | Morphological Adaptations ¹ | (Provide suppo | orting |
| l | 0 | 0.0% | | data in Remarks or on a sep | | |
| 2. | | 0.0% | | Problematic Hydrophytic Ve | getation 1 (Expl | ain) |
| 3. | 0 | 0.0% | | ¹ Indicators of hydric soil and w | etland hydrolog | y must |
| 4 | | 0.0% | | be present, unless disturbed or p | | |
| 5 | | 0.0% | | Definition of Vegetation Stra | nta: | |
| 5 | | 0.0% | | Four Vegetation Strata: | | |
| | | 0.0% | | Tree stratum – Consists of woody pl | | rines, 3 in. |
| 7 | | = Total Cover | | (7.6 cm) or more in diameter at breat regardless of height. | st height (DBH), | |
| Herb Stratum (Plot size:) | | | FACIL | Sapling/shrub stratum – Consists of | | |
| Schizachyrium scoparium | | 100.0% | FACU | vines, less than 3 in. DBH and greate | • | • |
| 2. | | | | Herb stratum – Consists of all herba regardless of size, and all other plan | | |
| 3 | 0 | 0.0% | | Woody vines – Consists of all woody | | |
| 1 | | | | in height. | , tillee greater til | 0.20 |
| 5 | | 0.0% | | | | |
| 5 | | 0.0% | | Five Vegetation Strata: | | |
| 7. | | 0.0% | | Tree - Woody plants, excluding woo | | |
| 3 | | | | ft (6 m) or more in height and 3 in. (7 diameter at breast height (DBH). | '.6 cm) or larger i | n |
|) | | 0.0% | | Sapling stratum – Consists of wood | y plants, excludir | ng woody |
|) | | 0.0% | | vines, approximately 20 ft (6 m) or m | | |
| 1 | | 0.0% | | than 3 in. (7.6 cm) DBH. | nlante avalualia- | wood. |
| 2 | | 0.0% | | Shrub stratum – Consists of woody vines, approximately 3 to 20 ft (1 to 6 | | woody |
| Woody Vine Stratum (Plot size:) | 95= | = Total Cover | | Herb stratum – Consists of all herba | , . | dy) plants, |
| 1 | 0 | 0.0% | | including herbaceous vines, regardl | | |
| 2 | 0 | 0.0% | | species, except woody vines, less the m) in height. | ıan approximatel | у 3 п (1 |
| 3 | 0 | 0.0% | | Woody vines – Consists of all woody | y vines, regardles | ss of |
| 4 | | 0.0% | | height. | , 3 | |
| 5 | | 0.0% | | | | |
| | | 0.0% | | Hydrophytic | | |
| 6 | | = Total Cover | | Vegetation Present? Yes \(\cap \) No \(\text{\$\cap } \) | | |
| | () | a over | | 1 | | |

Soil Sampling Point: UP-PJR-042817-01

| Depth - | Matrix | | Red | lox Features | | | |
|--|-----------------------|------------|-----------------------|-----------------|------------------------------|----------------------------------|--|
| (inches) | Color (moist) | % | Color (moist) | <u> % T</u> | vpe 1 Loc2 | Texture | Remarks |
| 0-16 | 10YR 6/6 | 100 | | | | Sandy Loam | |
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| vpe: C=Conce | entration, D=Depletio | n. RM=Redu | ced Matrix. CS=Covere | d or Coated Sa | and Grains ² Loca | ation: PL=Pore Lining. M=f | ∕/atrix |
| ydric Soil In | | | ood man my oo oo toro | u o. ooutou o. | 2000 | | |
| Histosol (A | | | Dark Surface (S | :7) | | Indicators for Prob | lematic Hydric Soils ³ : |
| Histic Epipe | | | = ' | , | (MLRA 147,148) | 2 cm Muck (A10 |) (MLRA 147) |
| Black Histic | | | Thin Dark Surfa | | | Coast Prairie Re | |
| _ | Sulfide (A4) | | Loamy Gleyed N | | 117, 110) | (MLRA 147,148) | |
| Stratified L | | | Depleted Matrix | | | Piedmont Flood (MLRA 136, 147 | olain Soils (F19) |
| \neg | (A10) (LRR N) | | Redox Dark Sur | | | | rk Surface (TF12) |
| _ | Below Dark Surface (A | 11) | Depleted Dark S | . , | | | |
| | Surface (A12) | 111) | Redox Depressi | | | Other (Explain in | n Remarks) |
| _ | k Mineral (S1) (LRR N | ı | ☐ Iron-Manganes | | (LRR N, | | |
| MLRA 147, | . 148) | ν, | MLRA 136) | | | | |
| Sandy Gley | yed Matrix (S4) | | Umbric Surface | (F13) (MLRA | 136, 122) | 2 | |
| | ov (S5) | | Piedmont Flood | plain Soils (F1 | 9) (MLRA 148) | ³ Indicators o | f hydrophytic vegetation and drology must be present, |
| Sandy Red | OX (33) | | | | DA 407 447) | wettanang | idiology must be present, |
| Sandy Red | | | Red Parent Mat | erial (F21) (MI | -RA 127, 147) | unless o | listurbed or problematic. |
| Stripped M | atrix (S6) | | Red Parent Mat | erial (F21) (MI | _RA 127, 147) | unless o | listurbed or problematic. |
| Stripped Ma | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | unless o | listurbed or problematic. |
| Stripped M. estrictive La Type: | yer (if observed): | | | erial (F21) (MI | | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | unless of Hydric Soil Present? | Yes No • |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| Stripped M. estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| Stripped M. estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| Stripped M. estrictive La Type: Depth (inches | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| Stripped M. estrictive La Type: | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| Stripped M. estrictive La Type: Depth (inches | yer (if observed): | | | erial (F21) (MI | .RA 127, 147) | | |
| Stripped M. estrictive La Type: Depth (inches | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |
| estrictive La Type: Depth (inche | yer (if observed): | | | erial (F21) (MI | RA 127, 147) | | |

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Carrollton-Sunnyside | City/Co | ounty: Stark | Sampling Date: 01-May-17 |
|---|---|-----------------------------|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-jbl-050117-01 |
| Investigator(s): JBL, JTT | Sec | tion, Township, Range: | s. 15 t. 17N R. 7W |
| Landform (hillslope, terrace, etc.): Hillside | Local r | elief (concave, convex, n | one): none Slope: 0.0 % / 0.0 |
| Subregion (LRR or MLRA): LRR N | Lat.: 40.692 | 2695646 Long | |
| Soil Map Unit Name: Bogart silt loam, 6 to 12 p | ercent slopes | | NWI classification: N/A |
| Are climatic/hydrologic conditions on the site ty | pical for this time of year? | Yes ● No ○ | (If no, explain in Remarks.) |
| Are Vegetation , Soil , or Hydrole | | rbed? Are "Normal | Circumstances" present? Yes No |
| Are Vegetation , Soil , or Hydrold | | | explain any answers in Remarks.) |
| | | , | s, transects, important features, etc |
| Hydrophytic Vegetation Present? Yes | No • | | s, cransces, important reacures, etc |
| , , , | No • | Is the Sampled Area | |
| , | No • | within a Wetland? | Yes ○ No ● |
| Wetland Hydrology Present? Yes Remarks: (Explain alternative procedures here | | | |
| Hydrology Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of 2 required) |
| Primary Indicators (minimum of one required; | check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | Water-Stained Leaves (B9) | | Drainage Patterns (B10) |
| High Water Table (A2) | Aquatic Fauna (B13) | | Moss Trim Lines (B16) |
| Saturation (A3) | Marl Deposits (B15) | | Dry Season Water Table (C2) |
| Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1 | | Crayfish Burrows (C8) |
| Sediment Deposits (B2) Drift deposits (B3) | Oxidized Rhizospheres alor | | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Presence of Reduced Iron Recent Iron Reduction in T | • | Stunted or Stressed Plants (D1) Geomorphic Position (D2) |
| Iron Deposits (B5) | Thin Muck Surface (C7) | illed Solis (Co) | Shallow Aguitard (D3) |
| Inundation Visible on Aerial Imagery (B7) | Other (Explain in Remarks) | | Microtopographic Relief (D4) |
| Sparsely Vegetated Concave Surface (B8) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes No | Depth (inches): | | |
| Water Table Present? Yes No • | Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes No No | Depth (inches): | Wetland Hydr | ology Present? Yes O No • |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitor | oring well, aerial photos, prev | ious inspections), if avail | able: |
| | 3 / 1 /1 | 1 // | |
| Demonto | | | |
| Remarks: | | | |
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VEGETATION - Use scientific names of plants

| VEGETATION - OSE SCIENTIFIC Harries of pie | 11103 | | | Sampling Point: upl-jbl-050117-01 |
|--|---------------------|----------------------|---------------------|--|
| Tree Stratum (Plot size:) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
| | | | | Number of Dominant Species |
| 1. Acer saccharum | | ✓ | FACU | That are OBL, FACW, or FAC:1 (A) |
| 2. Prunus serotina | | | FACU | Total Number of Dominant |
| 3 | | | | Species Across All Strata:6(B) |
| 4 | | | | |
| 5 | | | | Percent of dominant Species That Are OBL, FACW, or FAC: |
| 6 | 0 | | | That Are Obl., I ACW, Of I AC. |
| 7 | 0 | | | Prevalence Index worksheet: |
| Sapling/Shrub Stratum (Plot size:) | 60 = | = Total Cove | r | Total % Cover of: Multiply by: |
| 1 Rosa multiflora | 15 | ✓ | FACU | 0BL speci es x 1 =0 |
| 2. Asimina triloba | 10 | ✓ | FAC | FACW species |
| 3 | | | | FAC speci es x 3 = 30 |
| | | | - | FACU species x 4 = |
| 4 | | | | UPL speci es $\frac{30}{100}$ x 5 = $\frac{150}{100}$ |
| 5 | | | | Column Totals: 145 (A) 600 (B) |
| 6 | | | | |
| 7 | | | | Prevalence Index = B/A =4.138 |
| Herb Stratum (Plot size:) | 25 = | = Total Cove | r | Hydrophytic Vegetation Indicators: |
| | | | | Rapid Test for Hydrophytic Vegetation |
| 1Trillium grandiflorum | | ✓ | UPL | Dominance Test is > 50% |
| 2. Podophyllum peltatum | 15 | ✓ | FACU | Prevalence Index is ≤3.0 ¹ |
| 3Viola hastata | | | UPL | Morphological Adaptations ¹ (Provide supporting |
| 4. Solidago canadensis | 15 | ✓ | FACU | data in Remarks or on a separate sheet) |
| 5 | 0 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 6 | 0 | | | |
| 7 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 8 | | | | be present, unless disturbed or problematic. |
| 9 | | | | Definitions of Vegetation Strata: |
| 0 | | | | Tree Weedy plants 2 in (7.6 cm) or more in diameter |
| 1 | | | | Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| 2 | | | | |
| ۷ | | = Total Cove | | Sapling/shrub - Woody plants less than 3 in. DBH and |
| Woody Vine Stratum (Plot size:) | | - Total Cove | | greater than 3.28 ft (1m) tall |
| 1 | 0 | | | Herb - All herbaceous (non-woody) plants, regardless of |
| 2 | 0 | | | size, and woody plants less than 3.28 ft tall. |
| 3 | | | | Manda de la Allega de la Caracter de |
| J | 0 | | | Woody vine - All woody vines greater than 3.28 ft in height. |
| 4 | | = Total Cove | | Thoight. |
| | = | = Total Cove | Γ | |
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| | | | | Hydrophytic |
| | | | | Vegetation |
| | | | | Present? Yes No |
| | | | | |
| Remarks: (Include photo numbers here or on a separate sh | eet.) | | | |
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^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050117-01

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | | | | |
|---|--|---|--|--|--|--|--|
| Depth Matrix | Redox Features | | | | | | |
| (inches) Color (moist) % | Color (moist) % Type 1 Loc | | | | | | |
| 0-11 10YR 4/3 100 | | Sandy Loam | | | | | |
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| 17 00 10 00 00 00 00 00 00 00 00 00 00 00 | | | | | | | |
| | luced Matrix, CS=Covered or Coated Sand Grains 2 | | | | | | |
| Hydric Soil Indicators: | Debughes B. L. C. C. (20) (120.5) | Indicators for Problematic Hydric Soils : 3 | | | | | |
| Histosol (A1) | Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | 2 cm Muck (A10) (LRR K, L, MLRA 149B) | | | | | |
| Histic Epipedon (A2) Black Histic (A3) | Thin Dark Surface (S9) (LRR R, MLRA 149B | Coast Prairie Redox (A16) (LRR K, L, R) | | | | | |
| Hydrogen Sulfide (A4) | Loamy Mucky Mineral (F1) LRR K, L) | 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) | | | | | |
| Stratified Layers (A5) | Loamy Gleyed Matrix (F2) | Dark Surface (S7) (LRR K, L, M) | | | | | |
| Depleted Below Dark Surface (A11) | Depleted Matrix (F3) | Polyvalue Below Surface (S8) (LRR K, L) | | | | | |
| ☐ Thick Dark Surface (A12) | Redox Dark Surface (F6) | Thin Dark Surface (S9) (LRR K, L) | | | | | |
| Sandy Muck Mineral (S1) | Depleted Dark Surface (F7) | ☐ Iron-Manganese Masses (F12) (LRR K, L, R) | | | | | |
| Sandy Gleyed Matrix (S4) | Redox Depressions (F8) | Piedmont Floodplain Soils (F19) (MLRA 149B) | | | | | |
| Sandy Redox (S5) | | ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Red Parent Material (F21) | | | | | |
| Stripped Matrix (S6) | | Very Shallow Dark Surface (TF12) | | | | | |
| ☐ Dark Surface (S7) (LRR R, MLRA 149B) | | Other (Explain in Remarks) | | | | | |
| ³ Indicators of hydrophytic vegetation and wetl- | and hydrology must be present, unless disturbed or p | | | | | | |
| | and flydrology must be present, diffess disturbed of p | obernatic. | | | | | |
| Restrictive Layer (if observed): | | | | | | | |
| Type: Depth (inches): | | Hydric Soil Present? Yes No • | | | | | |
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| Remarks: | | | | | | | |
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WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Carrollton-Sunnyside | | City/County: | Stark | Samplir | ng Date: 02-May-17 |
|--|-------------------------------|-----------------------|---------------------|---|----------------------|
| Applicant/Owner: AEP | | | State: OH | Sampling Point: | upl-jbl-050217-04 |
| Investigator(s): JBL, JTT | | Section, To | wnship, Range: | s. 10 t. 17N | R. 7W |
| Landform (hillslope, terrace, etc.): Mound | | Local relief (co | ncave, convex, n | one): | Slope: 0.0 % / 0.0 ° |
| Subregion (LRR or MLRA): | Lat.: | 40.694141 | Long | -81.252605 | Datum: NAD 83 |
| Soil Map Unit Name: Shoals silt loam | | | | NWI classification: | N/A |
| Are climatic/hydrologic conditions on the si | te typical for this time of v | ρας? Yes | s ● No ○ | (If no, explain in Remarks) | <u> </u> |
| | | tly disturbed? | | Circumstances" present? | Yes No |
| | | • | | - | |
| | | problematic? | - | explain any answers in Rei | - |
| Summary of Findings - Attach | | sampling po | oint location | s, transects, impo | rtant reatures, etc |
| Hydrophytic Vegetation Present? Yes | | To the | Sampled Area | | |
| Hydric Soil Present? Yes | | | a Wetland? | Yes O No • | |
| Wetland Hydrology Present? Yes | ○ No ● | | | | |
| Hydrology | | | | | |
| Wetland Hydrology Indicators: | | | | Secondary Indicators (minim | num of 2 required) |
| Primary Indicators (minimum of one requi | red; check all that apply) | | | Surface Soil Cracks (B6) | |
| Surface Water (A1) | Water-Stained Lea | aves (B9) | | Drainage Patterns (B10) |) |
| High Water Table (A2) | Aquatic Fauna (B1 | | | Moss Trim Lines (B16) | |
| Saturation (A3) Water Marks (B1) | Marl Deposits (B1 | | | Dry Season Water Table | e (C2) |
| Sediment Deposits (B2) | Hydrogen Sulfide | neres along Living | Poots (C3) | Crayfish Burrows (C8) Saturation Visible on Ae | rial Imagery (C9) |
| Drift deposits (B3) | Presence of Redu | | KOOIS (G3) | Stunted or Stressed Plan | |
| Algal Mat or Crust (B4) | | ction in Tilled Soils | s (C6) | Geomorphic Position (D | |
| Iron Deposits (B5) | Thin Muck Surface | e (C7) | | Shallow Aquitard (D3) | |
| Inundation Visible on Aerial Imagery (B7) | Other (Explain in | Remarks) | | Microtopographic Relief | (D4) |
| Sparsely Vegetated Concave Surface (B8) | | | | FAC-neutral Test (D5) | |
| Field Observations: | | | | | |
| Surface Water Present? Yes O No | Depth (inches): | | | | |
| Water Table Present? Yes O No | Depth (inches): | | | (| · |
| Saturation Present? (includes capillary fringe) Yes No | Depth (inches): | | Wetland Hydr | ology Present? Yes | ○ No • |
| Describe Recorded Data (stream gauge, m | onitoring well, aerial photo | os, previous insp | pections), if avail | able: | |
| Remarks: | | | | | |
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VEGETATION - Use scientific names of plants

| vegeration - use scientific names of pla | IILS | | | Sampling Point: upl-jbl-050217-04 |
|---|----------|----------------------|-----------|--|
| /Plot size | Absolute | Dominant Species? | Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | % Cover | | Status | Number of Dominant Species |
| 1 Fagus grandifolia | - | ✓ | FACU | That are OBL, FACW, or FAC: O (A) |
| 2 | | | | Total Number of Dominant |
| 3 | | | | Species Across All Strata:6(B) |
| 4 | | | | Percent of dominant Species |
| 5 | | | | That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | | | | |
| 7 | | | | Prevalence Index worksheet: |
| Sapling/Shrub Stratum (Plot size:) | 5 = | = Total Cove | r | Total % Cover of: Multiply by: OBL species 0 x 1 = 0 |
| 1 Sassafras albidum | 25 | ✓ | FACU | |
| 2. Rubus allegheniensis | 10 | ✓ | FACU | FACW species |
| 3. Prunus serotina | | ✓ | FACU | FAC speciles $0 \times 3 = 0$ |
| 4 | 0 | | | FACU species x 4 = |
| 5 | | | | UPL speci es $0 \times 5 = 0$ |
| 6 | | | | Column Totals: 130 (A) 490 (B) |
| 7. | | | | Prevalence Index = B/A = 3.769 |
| (8) | 45 | = Total Cove | r | Hydrophytic Vegetation Indicators: |
| _Herb Stratum_ (Plot size:) | - | | | Rapid Test for Hydrophytic Vegetation |
| 1 Bromus arvensis | 20 | ✓ | FACU | Dominance Test is > 50% |
| 2. Dichanthelium clandestinum | 15 | | FACW | Prevalence Index is ≤3.0 ¹ |
| 3. Poa pratensis | 35 | ✓ | FACU | Morphological Adaptations ¹ (Provide supporting |
| 4. Allium canadense | 10 | | FACU | data in Remarks or on a separate sheet) |
| 5 | 0 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 6 | 0 | | | |
| 7 | 0 | | | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 8 | 0 | | | |
| 9 | | | | Definitions of Vegetation Strata: |
| 10 | | | | Tree - Woody plants, 3 in. (7.6 cm) or more in diameter |
| 11 | | | | at breast height (DBH), regardless of height. |
| 12 | | | | Sapling/shrub - Woody plants less than 3 in. DBH and |
| | 80 = | = Total Cove | r | greater than 3.28 ft (1m) tall |
| | 0 | | | Herb - All herbaceous (non-woody) plants, regardless of |
| 1 | 0 | | | size, and woody plants less than 3.28 ft tall. |
| 2 | 0 | | | l |
| 4 | 0 | | | Woody vine - All woody vines greater than 3.28 ft in height. |
| 4 | | = Total Cove | | Tiolynt. |
| | | - Total Cove | • | |
| | | | | |
| | | | | |
| | | | | Hydrophytic |
| | | | | Vegetation Present? Yes ○ No ● |
| | | | | Present? 103 0 NO 0 |
| | | | | <u> </u> |
| Remarks: (Include photo numbers here or on a separate she | eet.) | | | |
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^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-04

| Profile Descri | iption: (Des | cribe to | the depth | needed to docume | nt the indi | cator or co | nfirm the a | absence of indicators.) | | |
|----------------------------|---------------|-----------|------------|----------------------|---------------|-------------------|------------------------|--------------------------|----------------------|------------|
| Depth (inches) | | Matrix | | | Redox Feati | | | | _ | |
| (inches) | Color (ı | | % | Color (moist) | | Type ¹ | Loc ² | Texture | disturbed soils | rks |
| 0-4 | 7.5YR | 4/4 | 100 | | | | | Sandy Loam | aisturbea soiis | |
| 4-8 | 10YR | 3/3 | 100 | | | | | Sandy Loam | | |
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| ¹ Type: C=Cond | centration. D | =Depletio | n. RM=Re | duced Matrix, CS=Cov | ered or Coat | ed Sand Gra | ains ² Loca | tion: PL=Pore Lining. M= | Matrix | |
| Hydric Soil I | ndicators: | | | | | | | Indicators for Pro | olematic Hydric 9 | Soils: 3 |
| Histosol (A | A1) | | | Polyvalue Be | | (S8) (LRR F | 2, | |) (LRR K, L, MLRA | |
| Histic Epip | oedon (A2) | | | MLRA 149B) | | | | | dox (A16) (LRR K, | |
| ☐ Black Histi | ic (A3) | | | ☐ Thin Dark Su | | | | | it or Peat (S3) (LRF | |
| Hydrogen | Sulfide (A4) | | | Loamy Muck | | | | | 7) (LRR K, L, M) | (K, L, K) |
| Stratified I | Layers (A5) | | | Loamy Gleye | | 2) | | | Surface (S8) (LRR | K. I.) |
| Depleted I | Below Dark S | urface (A | 11) | Depleted Ma | | | | | ce (S9) (LRR K, L) | Ν, Ε) |
| Thick Dark | k Surface (A1 | 2) | | Redox Dark | , , | | | | Masses (F12) (LRI | R K. L. R) |
| Sandy Mu | ck Mineral (S | 1) | | Depleted Da | | 7) | | | olain Soils (F19) (M | |
| Sandy Gle | yed Matrix (S | 64) | | Redox Depre | essions (F8) | | | | A6) (MLRA 144A, 1 | |
| Sandy Red | dox (S5) | | | | | | | Red Parent Mate | | , , |
| Stripped N | Matrix (S6) | | | | | | | | rk Surface (TF12) | |
| ☐ Dark Surfa | ace (S7) (LRF | R R, MLRA | 149B) | | | | | Other (Explain in | | |
| ³ Indicators of | hvdrophvtic | vegetatio | n and wetl | and hydrology must b | e present, ur | nless disturb | ed or proble | | • | |
| Restrictive La | | | | , 3, | | | | | | |
| Type: | ayei (ii obse | erveu). | | | | | | | | |
| Depth (inch | hoc). | | | | | | | Hydric Soil Present? | Yes O | No 💿 |
| • | les): | | | | | | | | | |
| Remarks: | | | | | | | | | | |
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WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Carrollton-Sunnyside | Ci | ty/County: | Stark | | Samplir | ng Date: 02-May-17 |
|--|--|-------------------|----------------------------|--------------|---------------------------------------|----------------------|
| Applicant/Owner: AEP | | | State: OH | | Sampling Point: | upl-jbl-050217-03 |
| Investigator(s): JBL, JTT | | Section, To | wnship, Range: | s. 10 | T. 17N | R. 7W |
| Landform (hillslope, terrace, etc.): Hillside | Lo | ocal relief (co | ncave, convex, n | one): | | Slope: 0.0 % / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | Lat.: 4(| 0.695214 | Long | - .8181. | .253859 | Datum: NAD 83 |
| Soil Map Unit Name: Chili silt loam, 2 to 6 perc | | 0.0702 | | | VI classification: | |
| Are climatic/hydrologic conditions on the site to | | ra Yes | ● No ○ | | explain in Remark | |
| Are Vegetation , Soil , or Hydro | | | | , | • | Yes No |
| | · , | | | | stances" present? | |
| Are Vegetation, Soil, or Hydro | | | | - | nny answers in Re | - |
| Summary of Findings - Attach site | | mpling po | int location | s, trai | nsects, impo | rtant features, etc |
| Hydrophytic Vegetation Present? Yes | No 💿 | To the | Commission Ames | | | |
| Hydric Soil Present? Yes | No 💿 | | Sampled Area a Wetland? | Yes | ○ No • | |
| Wetland Hydrology Present? Yes | No • | | | | | |
| Hydrology | | | | | | |
| Wetland Hydrology Indicators: | | | | Seconda | ary Indicators (minim | num of 2 required) |
| Primary Indicators (minimum of one required | check all that apply) | | | Sur | face Soil Cracks (B6) |) |
| Surface Water (A1) | Water-Stained Leaves | s (B9) | | | inage Patterns (B10) |) |
| High Water Table (A2) Saturation (A3) | Aquatic Fauna (B13) | | | | ss Trim Lines (B16) | (20) |
| Water Marks (B1) | ✓ Marl Deposits (B15)✓ Hydrogen Sulfide Odd | or (C1) | | | Season Water Table yfish Burrows (C8) | e (C2) |
| Sediment Deposits (B2) | Oxidized Rhizosphere | | Roots (C3) | | uration Visible on Ae | rial Imagery (C9) |
| Drift deposits (B3) | Presence of Reduced | | .00.0 (00) | | nted or Stressed Plan | |
| Algal Mat or Crust (B4) | Recent Iron Reduction | n in Tilled Soils | (C6) | Geo | omorphic Position (D | 2) |
| Iron Deposits (B5) | Thin Muck Surface (C | 7) | | | Illow Aquitard (D3) | |
| Inundation Visible on Aerial Imagery (B7) | Other (Explain in Rem | narks) | | | rotopographic Relief | (D4) |
| Sparsely Vegetated Concave Surface (B8) | | | | ☐ FAC | C-neutral Test (D5) | |
| Field Observations: | | | | | | |
| Surface Water Present? Yes No • | Depth (inches): | | | | | |
| Water Table Present? Yes No • | Depth (inches): | | | | resent? Yes | ○ No • |
| Saturation Present? (includes capillary fringe) Yes No No | Depth (inches): | | Wetland Hydr | ology Pr | resent? Yes | |
| Describe Recorded Data (stream gauge, monit | oring well, aerial photos, | previous insp | ections), if avail | able: | | |
| Remarks: | | | | | | |
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VEGETATION - Use scientific names of plants

| VEGETATION - Ose scientific fiames of μ | idito | | | Sampling Point: upl-jbl-050217-03 |
|---|---------------------|-------------------|---------------------|--|
| Tree Stratum (Plot size:) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
| | | Бреслев. | Status | Number of Dominant Species |
| 1 | | | | That are OBL, FACW, or FAC: (A) |
| 2 | | | | Total Number of Dominant |
| 3 | | | | Species Across All Strata: 3 (B) |
| 4 | 0 | | | |
| 5 | 0 | | | Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | 0 | | | That Are OBL, FACW, OF FAC: |
| 7 | | | | Prevalence Index worksheet: |
| Sapling/Shrub Stratum (Plot size:) | 0 = | Total Cove | | Total % Cover of: Multiply by: |
| 1 | 0 | | | 0BL speci es x 1 = |
| | | | | FACW species |
| 2 | | | | FAC speciles x 3 = 0 |
| 3 | | | | FACU species60 x 4 =240 |
| 4 | | | | UPL speci es $\frac{20}{100}$ x 5 = $\frac{100}{100}$ |
| 5 | | | | Col umn Total s: 95 (A) 370 (B) |
| 6 | | | | Column locals. 93 (A) 370 |
| 7 | 0 | | | Prevalence Index = B/A = 3.895 |
| Herb Stratum (Plot size:) | | Total Cove | | Hydrophytic Vegetation Indicators: |
| Herb Stratum (1 lot size. | | | | Rapid Test for Hydrophytic Vegetation |
| 1Andropogon virginicus | 40 | ✓ | FACU | Dominance Test is > 50% |
| 2. Daucus carota | | ✓ | UPL | Prevalence Index is ≤3.0 ¹ |
| 3. Bromus arvensis | 20 | ✓ | FACU | Morphological Adaptations ¹ (Provide supporting |
| 4. Phalaris arundinacea | 15 | | FACW | data in Remarks or on a separate sheet) |
| 5 | | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 6 | 0 | | | |
| 7 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 8 | | | | be present, unless disturbed or problematic. |
| 9 | | | | Definitions of Vegetation Strata: |
| 0 | | $\overline{\Box}$ | | Tree Messelvelente 2 in (7 C err) or record in dispression |
| 1 | | | | Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| 2 | | | | at broadt Holght (BBH), rogaralood of Holght. |
| ۷٠, | | | | Sapling/shrub - Woody plants less than 3 in. DBH and |
| Woody Vine Stratum (Plot size:) | 95 = | : Total Cove | | greater than 3.28 ft (1m) tall |
| 1 | 0 | | | Herb - All herbaceous (non-woody) plants, regardless of |
| 2 | 0 | $\overline{\Box}$ | | size, and woody plants less than 3.28 ft tall. |
| 3 | | $\overline{\Box}$ | | Manda de la Allega de la lactica de la Constitución |
| J | | $\overline{\Box}$ | | Woody vine - All woody vines greater than 3.28 ft in height. |
| 4 | | : Total Cove | | Tieight. |
| | | i i otal Covel | - | |
| | | | | |
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| | | | | Hydrophytic |
| | | | | Vegetation |
| | | | | Present? Yes No • |
| | | | | |
| Remarks: (Include photo numbers here or on a separate | sheet.) | | | |
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^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-03

| Denth | | | the depth | | the indicator or confire | m the abs | sence of indicators.) | | |
|---------------------------------------|-----------------|----------|---------------|-------------------------|----------------------------|-----------------------|-------------------------|----------------------------|--|
| Depth Matrix (inches) Color (moist) % | | 0/2 | Color (moist) | lox Features | -OC ² | Texture Remarks | | | |
| 0-2 | 10YR | 3/3 | 100 | Color (Illoist) | 70 Type L | | Silt Loam | Remarks | |
| | | | | | | | | | |
| 2-8 | 7.5YR | 4/4 | 100 | - | | | Sandy Clay | | |
| | | | | - | | | | | |
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| | | | | | | | | | |
| Type: C=Conc | entration. D=I | Depletio | n. RM=Red | uced Matrix, CS=Covere | d or Coated Sand Grains | ² Location | n: PL=Pore Lining. M=Ma | atrix | |
| lydric Soil I | | | | <u> </u> | | | | | |
| Histosol (A | | | | Polyvalue Belov | Surface (S8) (LRR R, | | | ematic Hydric Soils: 3 | |
| Histic Epip | • | | | MLRA 149B) | Ç , Ç | | | LRR K, L, MLRA 149B) | |
| Black Histi | | | | Thin Dark Surfa | ce (S9) (LRR R, MLRA 14 | 19B) | | x (A16) (LRR K, L, R) | |
| \neg | Sulfide (A4) | | | | lineral (F1) LRR K, L) | | Dark Surface (S7) | r Peat (S3) (LRR K, L, R) | |
| Stratified L | Layers (A5) | | | Loamy Gleyed I | | | | urface (S8) (LRR K, L) | |
| Depleted F | Below Dark Su | rface (A | 11) | Depleted Matrix | | | Thin Dark Surface | | |
| Thick Dark | Surface (A12) | .) | | Redox Dark Sur | | | | asses (F12) (LRR K, L, R) | |
| Sandy Muc | ck Mineral (S1) |) | | Depleted Dark | | | | in Soils (F19) (MLRA 149B) | |
| Sandy Gle | yed Matrix (S4 | 1) | | Redox Depressi | ons (F8) | | | (MLRA 144A, 145, 149B) | |
| Sandy Red | | | | | | | Red Parent Materia | | |
| Stripped M | | | | | | | Very Shallow Dark | Surface (TF12) | |
| Dark Surfa | ace (S7) (LRR I | R, MLRA | 149B) | | | | Other (Explain in R | emarks) | |
| ³ Indicators of | hydrophytic ve | egetatio | n and wetla | and hydrology must be p | resent, unless disturbed o | r problema | atic. | | |
| estrictive La | yer (if obser | rved): | | | | | | | |
| Type: | · ` | | | | | | | | |
| Depth (inch | nes): | | | | | 1 | Hydric Soil Present? | Yes O No 💿 | |
| Remarks: | | | | <u> </u> | | | | | |
| .cmarks. | | | | | | | | | |
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WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

| Project/Site: Carrollton-Sunnyside | City/ | County: Stark | Samplin | g Date: 02-May-17 |
|---|---|---------------------------------------|---|--------------------------|
| Applicant/Owner: AEP | | State: OH | Sampling Point: | upl-jbl-050217-01,02 |
| Investigator(s): JBL, JTT | Si | ection, Township, Range: | s. 10 T. 17N | R. 7W |
| Landform (hillslope, terrace, etc.): Mound | Local | relief (concave, convex, n | one): convex | Slope: 0.0 % / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | Lat.: 40.69 | 978956 Long | -81.256309 | Datum: NAD 83 |
| Soil Map Unit Name: Sebring silt loam, 0 to 2 p | percent slopes | | NWI classification: | N/A |
| Are climatic/hydrologic conditions on the site ty | pical for this time of year? | Yes No | (If no, explain in Remarks | • |
| Are Vegetation $\ \square$, Soil $\ \square$, or Hydrol | logy significantly dist | curbed? Are "Normal | Circumstances" present? | Yes No |
| Are Vegetation , Soil , or Hydrol | logy 🔲 naturally problem | matic? (If needed, e | explain any answers in Ren | narks.) |
| Summary of Findings - Attach site | map showing samp | oling point location | s, transects, impor | tant features, etc |
| Hydrophytic Vegetation Present? Yes | No • | | | |
| Hydric Soil Present? Yes | No • | Is the Sampled Area within a Wetland? | Yes O No • | |
| Wetland Hydrology Present? Yes | No • | | | |
| Hydrology | | | | |
| Wetland Hydrology Indicators: | | | | |
| Primary Indicators (minimum of one required; | check all that apply) | | Secondary Indicators (minim Surface Soil Cracks (B6) | um of 2 required) |
| Surface Water (A1) | Water-Stained Leaves (B9 | 9) | Drainage Patterns (B10) | |
| High Water Table (A2) | Aquatic Fauna (B13) | • | Moss Trim Lines (B16) | |
| Saturation (A3) | Marl Deposits (B15) | | Dry Season Water Table | (C2) |
| Water Marks (B1) | Hydrogen Sulfide Odor (C | • | Crayfish Burrows (C8) | |
| Sediment Deposits (B2) Drift deposits (B3) | Oxidized Rhizospheres ald | | Saturation Visible on Aer | |
| Algal Mat or Crust (B4) | Presence of Reduced Iron Recent Iron Reduction in | ` ' | Stunted or Stressed Plan Geomorphic Position (D2 | ` ' |
| Iron Deposits (B5) | Thin Muck Surface (C7) | Tilled Soils (Co) | Shallow Aquitard (D3) | 2) |
| Inundation Visible on Aerial Imagery (B7) | Other (Explain in Remark | ·c) | Microtopographic Relief | (D4) |
| Sparsely Vegetated Concave Surface (B8) | | 3) | FAC-neutral Test (D5) | |
| Field Observations: | | | | |
| Surface Water Present? Yes No No | Depth (inches): | | | |
| Water Table Present? Yes No • | Depth (inches): | | - V (| |
| Saturation Present? (includes capillary fringe) Yes No • | Depth (inches): | Wetland Hydr | ology Present? Yes |) No ● |
| Describe Recorded Data (stream gauge, monit | oring well, aerial photos, pre | vious inspections), if avail | able: | |
| Remarks: | | | | |
| | | | | |

VEGETATION - Use scientific names of plants

| VEGETATION - Ose scientific fiames of pla | 1163 | | | Sampling Point: upl-jbl-050217-01,02 |
|---|---------------------|-------------------|---------------------|---|
| | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
| | | | Status | Number of Dominant Species |
| 1 | | | | That are OBL, FACW, or FAC:1 (A) |
| 2 | | | | Total Number of Dominant |
| 3 | | | | Species Across All Strata:3(B) |
| 4 | | | | |
| 5 | 0 | | | Percent of dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B) |
| 6 | 0 | | | That Are OBE, I AGW, OF FAC. |
| 7 | 0 | | | Prevalence Index worksheet: |
| Sapling/Shrub Stratum (Plot size:) | 0 = | = Total Cove | | Total % Cover of: Multiply by: |
| 1 Rosa multiflora | 60 | ✓ | FACU | 0BL speci es x 1 =0 |
| 2 | | | | FACW species 0 x 2 = 0 |
| | | | | FAC speciles <u>25</u> x 3 = <u>75</u> |
| 3 | | | | FACU species 125 x 4 = 500 |
| 4 | | | | UPL species $0 \times 5 = 0$ |
| 5 | | | | Col umn Total s: 150 (A) 575 (B) |
| 6 | | | | |
| 7 | 0 | | | Prevalence Index = $B/A = 3.833$ |
| Herb Stratum (Plot size:) | 60 = | = Total Cove | • | Hydrophytic Vegetation Indicators: |
| | | | | Rapid Test for Hydrophytic Vegetation |
| 1. Solidago altissima | | ✓ | FACU | Dominance Test is > 50% |
| 2. Equisetum arvense | | ✓ | FAC | Prevalence Index is ≤3.0 ¹ |
| 3 | 0 | | | Morphological Adaptations ¹ (Provide supporting |
| 4 | 0 | | | data in Remarks or on a separate sheet) |
| 5 | 0 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 6 | 0 | | | |
| 7 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 8 | | | | be present, unless disturbed or problematic. |
| 9. | | | | Definitions of Vegetation Strata: |
| 10 | | $\overline{\Box}$ | | Tree Meady plants 2 in (7.6 cm) or mare in diameter |
| 11 | | | | Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| 12 | | | | |
| 12 | | = Total Cove | | Sapling/shrub - Woody plants less than 3 in. DBH and |
| Woody Vine Stratum (Plot size:) | | - Total Covel | | greater than 3.28 ft (1m) tall |
| 1 | 0 | | | Herb - All herbaceous (non-woody) plants, regardless of |
| 2 | 0 | | | size, and woody plants less than 3.28 ft tall. |
| 3 | 0 | | | Manda di cina All con di cina a succión de la 2 20 ft in |
| <i>A</i> | 0 | | | Woody vine - All woody vines greater than 3.28 ft in height. |
| 7 | 0 = | = Total Cove | | |
| | | - Total Covel | | |
| | | | | |
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| | | | | Hydrophytic |
| | | | | Vegetation |
| | | | | Present? Yes No • |
| | | | | |
| Remarks: (Include photo numbers here or on a separate she | eet.) | | | |
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^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-01,02

| Profile Descri | iption: (De | scribe to | the depth | needed to | document | the indic | ator or co | onfirm the a | absence of indicators. |) | |
|----------------------------|-----------------------------|------------|-------------|---------------|-------------------------|-------------|-------------------|------------------------|--------------------------|-------------------|---------------|
| Depth (in chas) | | Matrix | | | | dox Featu | | | _ | | _ |
| (inches) | | (moist) | % | Color | (moist) | % | Type ¹ | Loc² | Texture | Re | marks |
| 0-6 | 10YR | 3/3 | 100 | | | | | | Clay Loam | | |
| 6-12 | 10YR | 4/1 | 95 | 10YR | 4/6 | 5 | | | Sandy Clay Loam | fill dirt | |
| | | | | | | | | | | | |
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| J. | | D=Depletio | n. RM=Red | duced Matrix, | CS=Cover | ed or Coate | ed Sand Gr | ains ² Loca | tion: PL=Pore Lining. M= | | |
| Hydric Soil I | | | | | | | | | Indicators for Pro | blematic Hydı | ric Soils: 3 |
| Histosol (A | , | | | | yvalue Belo RA 149B) | w Surface | (S8) (LRR F | ₹, | 2 cm Muck (A1 | O) (LRR K, L, ML | _RA 149B) |
| Histic Epip | | | | | n Dark Surf | ace (S9) (I | LRR R. MLF | RA 149B) | Coast Prairie Re | edox (A16) (LRR | R K, L, R) |
| Black Histi | | | | | my Mucky | | | | 5 cm Mucky Pe | at or Peat (S3) (| (LRR K, L, R) |
| | Sulfide (A4) Layers (A5) | 1 | | | ımy Gleyed | | | | | 57) (LRR K, L, M | |
| | Below Dark | Surface (A | 11) | | oleted Matri | | | | Polyvalue Belov | | |
| | k Surface (A | | 11) | | dox Dark Su | | | | Thin Dark Surfa | | |
| | ck Mineral (| | | ☐ Dep | oleted Dark | Surface (F | 7) | | | e Masses (F12) | |
| | yed Matrix (| | | Rec | dox Depress | sions (F8) | | | Piedmont Flood | | |
| Sandy Rec | | , | | | | | | | Mesic Spodic (T | | A, 145, 149B) |
| Stripped M | | | | | | | | | Red Parent Mat | | 12) |
| | ace (S7) (LR | R R, MLRA | 149B) | | | | | | | | 12) |
| ³ Indicators of | | | | and budralag | w must be r | rocont un | loce dieturk | and or proble | | ii Keiliaiks) | |
| | | | ii and weti | and flydrolog | y must be p | oresent, un | iless distuit | bed of proble | inatic. | | |
| Restrictive La | ayer (IT obs | servea): | | | | | | | | | |
| Type: | haa). | | | | | | | | Hydric Soil Present | ? Yes ○ | No 💿 |
| Depth (inch | les) | | | | | | | | - | | |
| Remarks: | | | | | | | | | | | |
| disturbed soil | | | | | | | | | | | |
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| Project/Site: Carrollton Sunnyside | | City/County: Stark | Sampling Date: 03-May-17 |
|---|--|---------------------------------------|---|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-jbl-050317-01 |
| Investigator(s): Jbl, Jtt | | Section, Township, Range: S | 4 T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, no | ne): convex Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR | N Lat.: | 40.705117 Long | - NAD 02 |
| Soil Map Unit Name: Glenford silt | loam, 6 to 12 percent slopes | | NWI classification: N/A |
| Are climatic/hydrologic conditions of | on the site typical for this time of v | ear? Yes No (If no, e | explain in Remarks.) |
| Are Vegetation, Soil | | | Circumstances" present? Yes No |
| Are Vegetation . , Soil . | | | splain any answers in Remarks.) |
| Summary of Findings - A | ttach site map showing s | sampling point locations | , transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes ○ No • | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | ∕es ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | es U NO U |
| ypland forbwetland 1 | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of c | one required; check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plant | ts (B14) | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide | | Drainage Patterns (B10) |
| Saturation (A3) | | neres along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduc | | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | ction in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) Algal Mat or Crust (B4) | ☐ Thin Muck Surface | | Saturation Visible on Aerial Imagery (C9) |
| Iron Deposits (B5) | Other (Explain in I | Remarks) | Stunted or Stressed Plants (D1) Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | erv (R7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | A J (21) | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | O No Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes | | Wetland Hydro | logy Present? Yes O No • |
| (includes capillally fringe) | gauge, monitoring well, aerial photo | os previous inspections) if availat | hle: |
| Dosoribo Rosordou Bata (stroum g | jaage, memoring wen, denai priet | os, providus inspections), ii availai | |
| Remarks: | | | |
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| | | Dominant | | Sampling Point: upl-jbl-050317-01 |
|--|---------------------|------------------------------------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | -Species? - Rel.Strat. Cover | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: 0 (A) |
| | 0 | 0.0% | | |
| | 0 | 0.0% | | Total Number of Dominant Species Across All Strata: 4 (B) |
| | | 0.0% | | |
| | 0 | 0.0% | | Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B) |
| | _ | 0.0% | | That Are OBL, FACW, or FAC: 0.0% (A/B) |
| | 0 | 0.0% | | Prevalence Index worksheet: |
| | 0 | 0.0% | | Total % Cover of: Multiply by: |
| (Diot size: | ,0 = | Total Cove | • | 0BL speci es x 1 =0 |
| apling-Sapling/Shrub Stratum (Plot size: | _ | 0.0% | | FACW species 0 x 2 = 0 |
| | | | | FAC speci es |
| | | 0.0% | | FACU speci es 125 x 4 = 500 |
| | _ | 0.0% | | UPL species $0 \times 5 = 0$ |
| | | | | Col umn Total s: 125 (A) 500 (B) |
| - | | 0.0% | | |
| , | | 0.0% | | Prevalence Index = B/A = 4.000 |
| | | 0.0% | | Hydrophytic Vegetation Indicators: |
| | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| | | 0.0% | | ☐ Dominance Test is > 50% |
| | | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| hrub Stratum (Plot size:) | | = Total Cove | | Morphological Adaptations ¹ (Provide supporting |
| Rubus allegheniensis | | 100.0% | FACU | data in Remarks or on a separate sheet) |
| | | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| | 0 | 0.0% | | be present, unless disturbed or problematic. |
| | 0 | 0.0% | | Definition of Vegetation Strata: |
| | | 0.0% | | Four Vegetation Strata: |
| | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH), |
| erb Stratum (Plot size:) | | Total Cove | | regardless of height. |
| Andropogon virginicus | 30 | ✓ 31.6% | FACU | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| Bromus arvensis | 30 | 31.6% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants |
| Poa pratensis | | 21.1% | FACU | regardless of size, and all other plants less than 3.28 ft tall. |
| Festuca arundinacea | 15 | 15.8% | FACU | Woody vines – Consists of all woody vines greater than 3.28 f |
| | 0 | 0.0% | | in height. |
| | 0 | 0.0% | | Five Vegetation Strata: |
| | 0 | 0.0% | | I - |
| | _ | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| | 0 | 0.0% | | diameter at breast height (DBH). |
| | 0 | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less |
| | | 0.0% | | than 3 in. (7.6 cm) DBH. |
| | 0 | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| | | Total Cove | | vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Oody Vine Stratum (Plot size:) | 0 | 0.0% | | Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody |
| | | | | species, except woody vines, less than approximately 3 ft (1 |
| - | | 0.0% | | m) in height. |
| | | 0.0% | | Woody vines – Consists of all woody vines, regardless of height. |
| | 0 | 0.0% | | |
| | | 0.0% | | Hydrophytic |
| | | 0.0% | | Vegetation Present? Yes No No |
| | 0 : | = Total Cove | | i resent: |

Soil Sampling Point: upl-jbl-050317-01

| Depth | Matrix | | Red | ox Featur | | | | |
|---|--|-------------|--|---------------|------------|-----------------------|------------------------------|--|
| (inches) | Color (moist) | % | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks |
| 0-2 | 10YR 3/2 | 100 | | | | | Loam | |
| 2-11 | 10YR 4/3 | 100 | | | | | Sandy Loam | |
| | | | | | | | | |
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| | | | | | | | | |
| | | on. RM=Redu | iced Matrix, CS=Covered | d or Coated | Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| lydric Soil 1 | | | | | | | Indicators for Proble | matic Hydric Soils ³ : |
| Histosol (| | | Dark Surface (S | , | -> 4 | | 2 cm Muck (A10) | (MLRA 147) |
| _ | pedon (A2) | | Polyvalue Below | | | | Coast Prairie Redo | |
| Black Hist | | | ☐ Thin Dark Surfa | | .RA 147, 1 | 48) | (MLRA 147,148) | · · · · · |
| _ | Sulfide (A4) Layers (A5) | | Loamy Gleyed N | | | | Piedmont Floodpla | ain Soils (F19) |
| _ | k (A10) (LRR N) | | ☐ Depleted Matrix☐ Redox Dark Sur | | | | (MLRA 136, 147) | |
| _ | | \11\ | Depleted Dark S | | | | | |
| | Below Dark Surface (A k Surface (A12) | A11) | Redox Depression | | | | Other (Explain in | Remarks) |
| _ | ick Mineral (S1) (LRR I | N | ☐ Iron-Manganese | | 12) (LRR I | ٧. | | |
| MLRA 147 | 7, 148) | N, | MLRA 136) | ,doooo (. | , (| -1 | | |
| Sandy Gle | eyed Matrix (S4) | | Umbric Surface | (F13) (MLR | A 136, 12 | 2) | 2 | |
| Sandy Re | dox (S5) | | ☐ Piedmont Flood | plain Soils (| (F19) (MLF | RA 148) | ³ Indicators of I | nydrophytic vegetation and rology must be present, |
| Stripped I | Matrix (S6) | | Red Parent Mat | erial (F21) | (MLRA 127 | , 147) | | turbed or problematic. |
|) octrictivo I | ayer (if observed): | | | | | | | |
| Type: | ayei (ii observeu). | | | | | | | |
| • | hes): | | | | | | Hydric Soil Present? | Yes O No 💿 |
| Remarks: | 1103) | | | | | | | |
| terriarks. | | | | | | | | |
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| Project/Site: Carrollton Sunnyside | | City/County: Stark | Sampling Date: 03-May-17 |
|--|--------------------------------|--------------------------------------|--|
| Applicant/Owner: AEP | | State: 0 | |
| Investigator(s): Jbl, Jtt | | Section, Township, Range: S | |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, | none): flat Slope: 0.0% / 0.0 ° |
| Subregion (LRR or MLRA): LRR N | | | ng.: -81.266283 |
| Soil Map Unit Name: Glenford silt lo | | 40.700213 | NWI classification: N/A |
| Are climatic/hydrologic conditions on | the site typical for this time | of year? Yes No (If no | o, explain in Remarks.) |
| Are Vegetation, Soil | , or Hydrology signifi | cantly disturbed? Are "Norma | I Circumstances" present? Yes ● No ○ |
| Are Vegetation, Soil | , or Hydrology natura | | explain any answers in Remarks.) |
| , | , , | , | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | res UNU U |
| Remarks: | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of on | e required; check all that app | oly) | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic | Plants (B14) | Sparsely Vegetated Concave Surface (B8) |
| ☐ High Water Table (A2) | | fide Odor (C1) | Drainage Patterns (B10) |
| Saturation (A3) | | ospheres along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | | Reduced Iron (C4) | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | Reduction in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | ☐ Thin Muck Su | • • | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain | n in Remarks) | Stunted or Stressed Plants (D1) |
| ☐ Iron Deposits (B5)☐ Inundation Visible on Aerial Imagery | (D7) | | Geomorphic Position (D2) |
| Water-Stained Leaves (B9) | y (D7) | | ☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | TAC-fledital fest (D3) |
| Surface Water Present? Yes | No Depth (inch | es): | |
| Water Table Present? Yes | No Depth (inch | es): | |
| Saturation Present? (includes capillary frings) Yes | _ | Wetland Hyd | rology Present? Yes O No 💿 |
| (includes capillary fringe) Describe Recorded Data (stream ga | | | ilable: |
| Describe Necorded Bata (stream ga | age, monitoring well, denait p | motos, previous inspections), ii uva | idable. |
| Remarks: | | | |
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| | | Dominant Engaine? | | Sampling Point: | api ibi occo | 7-02,03 |
|---|---------------------|----------------------|---------------------|--|--------------------|--------------|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | | | |
| 1 | | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: | 0 | (A) |
| 2 | 0 | 0.0% | | Total Number of Deminent | | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: | 4 | (B) |
| 4 | | 0.0% | | | | |
| 5 | | 0.0% | | Percent of dominant Species | 0.0% | (A/B) |
| 6 | | 0.0% | | That Are OBL, FACW, or FAC: | 0.078 | (A/D) |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: | | |
| 3 | 0 | 0.0% | | Total % Cover of: Mu | Itiply by: | |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | OBL species0 x 1 | | |
| 1 | | 0.0% | | FACW species 0 x 2 | = 0 | |
|) | | 0.0% | | FAC species0 x 3 | = 0 | |
| | | 0.0% | | FACU species 60 x 4 | = 240 | |
| 3 | | 0.0% | | UPL species 50 x 5 | 250 | |
| <u>.</u> | | 0.0% | | Column Totals: 110 (A) | 490 | (B) |
| 5 | | 0.0% | | | - | |
| 5 | | 0.0% | | Prevalence Index = B/A = | 4.455 | |
| 7 | | | | Hydrophytic Vegetation Indicators | s: | |
| 3 | | 0.0% | | Rapid Test for Hydrophytic V | egetation | |
| 9 | | 0.0% | | ☐ Dominance Test is > 50% | | |
|) | | 0.0% | | Prevalence Index is ≤3.0 ¹ | | |
| Shrub Stratum (Plot size:) | 0= | = Total Cove | r | Morphological Adaptations 1 | | orting |
| 1. Rosa multiflora | 10 | 50.0% | FACU | data in Remarks or on a sepa | - | |
| 2. Rubus argutus | 10 | ✓ 50.0% | FACU | Problematic Hydrophytic Veg | jetation 1 (Exp | lain) |
| 3 | 0 | 0.0% | | ¹ Indicators of hydric soil and we | | y must |
| 4 | | 0.0% | | be present, unless disturbed or p | roblematic. | |
| 5 | | 0.0% | | Definition of Vegetation Stra | ta: | |
| 5. | | 0.0% | | Four Vegetation Strata: | | |
| 7 | | 0.0% | | Tree stratum – Consists of woody pla | | vines, 3 in. |
| | | = Total Cove | r | (7.6 cm) or more in diameter at breas regardless of height. | t height (DBH), | |
| Herb Stratum (Plot size:) | | | | Sapling/shrub stratum – Consists of | woody plants, e | excluding |
| Bromus sterilis | | 55.6% | UPL | vines, less than 3 in. DBH and greate | • | , |
| 2 Andropogon virginicus | | 44.4% | FACU | Herb stratum – Consists of all herbac regardless of size, and all other plans | | |
| 3 | | 0.0% | | Woody vines – Consists of all woody | | |
| 1 | | 0.0% | | in height. | villes greater ti | nan 3.20 it |
| 5 | | 0.0% | | | | |
| 5 | | 0.0% | | Five Vegetation Strata: | | |
| 7 | | 0.0% | | Tree - Woody plants, excluding wood | ly vines, approx | imately 20 |
| 3 | | 0.0% | | ft (6 m) or more in height and 3 in. (7) diameter at breast height (DBH). | .6 cm) or larger | in |
|) | | 0.0% | | Sapling stratum – Consists of woody | plants. excludi | na woodv |
|) | | 0.0% | | vines, approximately 20 ft (6 m) or m | | |
| 1 | 0 | 0.0% | | than 3 in. (7.6 cm) DBH. | | |
| 2 | | 0.0% | | Shrub stratum – Consists of woody provines, approximately 3 to 20 ft (1 to 6 | | g woody |
| Noody Vine Stratum (Plot size:) | 90 = | = Total Cove | r | Herb stratum – Consists of all herbac | , , | dy) plants. |
| 1 | 0 | 0.0% | | including herbaceous vines, regardle | ess of size, and | woody |
| 2. | | 0.0% | | species, except woody vines, less them) in height. | an approximate | ıy 3 ft (1 |
| 3. | | 0.0% | | Woody vines – Consists of all woody | vines, regardle | ss of |
| 1 | | 0.0% | _ | height. | , gai allo | |
| | | 0.0% | | | | |
| 5 | | | - | Hydrophytic | | |
| 6 | | 0.0% | | Vegetation Present? Yes No • | 1 | |
| | | = Total Cove | | | | |

Soil Sampling Point: upl-jbl-050317-02,03

| Profile Descr | | the depth | | | | nfirm the a | absence of indicators.) | |
|--------------------------|------------------------------------|-------------|-------------------------|--------------|-------------|------------------------|----------------------------|--|
| Depth | Matrix | | | lox Featu | res 1 | 1 2 | Tand | Domester |
| (inches) 0-3 | Color (moist) 10YR 3/3 | 100 | Color (moist) | % | Type 1 | Loc² | Texture | Remarks |
| | | 100 | | - | | | Loam | |
| 3-9 | 10YR 4/4 | 100 | | | | | Silt Loam | |
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| ¹ Type: C=Con | centration. D=Depletion | on. RM=Redu | iced Matrix, CS=Covere | d or Coate | ed Sand Gra | ains ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil 1 | Indicators: | | | | | | Indicators for Proble | matic Hydric Soils ³ : |
| Histosol (| A1) | | Dark Surface (S | 57) | | | 2 cm Muck (A10) | |
| Histic Epi | pedon (A2) | | Polyvalue Belov | v Surface (| (S8) (MLRA | 147,148) | Coast Prairie Redo | |
| Black Hist | | | Thin Dark Surfa | nce (S9) (N | 1LRA 147, 1 | 148) | (MLRA 147,148) | x (A10) |
| | Sulfide (A4) | | Loamy Gleyed I | Matrix (F2) | | | Piedmont Floodpla | ain Soils (F19) |
| | Layers (A5) | | Depleted Matrix | | | | (MLRA 136, 147) | , , |
| 2 cm Muc | k (A10) (LRR N) | | Redox Dark Sui | | | | Very Shallow Dark | Surface (TF12) |
| Depleted | Below Dark Surface (A | A11) | Depleted Dark | | 7) | | Other (Explain in I | Remarks) |
| Thick Dar | k Surface (A12) | | Redox Depress | | | | | |
| Sandy Mu MLRA 147 | ıck Mineral (S1) (LRR I 7, 148) | N, | Iron-Manganes MLRA 136) | e Masses (| (F12) (LRR | N, | | |
| Sandy Gle | eyed Matrix (S4) | | Umbric Surface | (F13) (ML | RA 136, 12 | 22) | 2 | |
| Sandy Re | dox (S5) | | ☐ Piedmont Flood | dplain Soils | (F19) (ML | RA 148) | Indicators of h | nydrophytic vegetation and rology must be present, |
| Stripped I | Matrix (S6) | | Red Parent Ma | terial (F21) | (MLRA 12 | 7, 147) | unless dis | turbed or problematic. |
| Doetrietive I | aver (if chaomical). | | | | | | | |
| | ayer (if observed): | | | | | | | |
| Depth (inc | | | | | | | Hydric Soil Present? | Yes ○ No • |
| | 1163) | | | | | | | |
| Remarks: | | | | | | | | |
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| Project/Site: Carrollton Sunnyside | | City/County: Stark | Sampling Date: 03-May-17 |
|---|--|---|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-jbl-050317-04 |
| Investigator(s): Jbl, Jtt | | Section, Township, Range: S | 4 T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, no | one):none |
| Subregion (LRR or MLRA): LRR | N Lat.: | : 40.709424 Long | -81.269361 Datum: NAD 83 |
| Soil Map Unit Name: Glenford silt | loam, 6 to 12 percent slopes | | NWI classification: N/A |
| Are climatic/hydrologic conditions o | on the site typical for this time of y | rear? Yes No (If no, e | explain in Remarks.) |
| Are Vegetation , Soil | | | Circumstances" present? Yes No |
| Are Vegetation . , Soil . | , or Hydrology $\ \square$ naturally | problematic? (If needed, ex | xplain any answers in Remarks.) |
| Summary of Findings - A | ttach site map showing | sampling point locations | s, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes ○ No • | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No • |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | ies O NO O |
| | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | - | Secondary Indicators (minimum of two required) |
| | one required; check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | ☐ True Aquatic Plan | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) Saturation (A3) | Hydrogen Sulfide | Odor (C1) neres along Living Roots (C3) | Drainage Patterns (B10) Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Redu | | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | action in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Drift deposits (B3) | ☐ Thin Muck Surfac | | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain in | 1 | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | | , | Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | ery (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | | | |
| | | Wetland Hydro | ology Present? Yes O No 💿 |
| (includes capillary fringe) Yes | | | |
| Describe Recorded Data (stream g | jauge, monitoring well, aerial phot | os, previous inspections), if availa | ble: |
| Damada | | | |
| Remarks: | | | |
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| | | Dominant | | Sampling Point: upl-jbl-050317-04 |
|--|---------------------|----------------------------------|---------------------|--|
| Tree Stratum (Plot size:) | Absolute % Cover | -Species? Rel.Strat. Cover | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: (A) |
|). | 0 | 0.0% | | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: 5 (B) |
| ·, | | 0.0% | | |
| | 0 | 0.0% | | Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B) |
| | 0 | 0.0% | | That Are OBL, FACW, or FAC: 0.0% (A/B) |
| | 0 | 0.0% | | Prevalence Index worksheet: |
| | | 0.0% | | Total % Cover of: Multiply by: |
| apling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | 0BL speci es x 1 = 0 |
| | _ | 0.0% | | FACW species 0 x 2 = 0 |
| | | 0.0% | | FAC speci es x 3 = 0 |
| | | 0.0% | | FACU species 125 x 4 = 500 |
| | | 0.0% | | UPL species $0 \times 5 = 0$ |
| | | 0.0% | | Column Total s: 125 (A) 500 (B) |
| | | 0.0% | | Prevalence Index = B/A = 4.000 |
| | | 0.0% | | |
| | | 0.0% | | Hydrophytic Vegetation Indicators: |
| | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| | | 0.0% | | ☐ Dominance Test is > 50% |
| | | = Total Cove | r | Prevalence Index is ≤3.0 ¹ |
| hrub Stratum (Plot size:) | 10 | ✓ 33.3% | FACU | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| Elaeagnus angustifolia | | ✓ 66.7% | FACU | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Rosa multiflora | | 0.0% | FACU | |
| | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| | | 0.0% | | Definition of Vegetation Strata: |
| | | 0.0% | | Four Vegetation Strata: |
| | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in |
| • | | = Total Cove | | (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| erb Stratum (Plot size:) | | _ | | Sapling/shrub stratum – Consists of woody plants, excluding |
| Poa pratensis | | 31.6% | FACU | vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| Festuca rubra | | 36.8% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plant regardless of size, and all other plants less than 3.28 ft tall. |
| Andropogon virginicus | | 21.1% | FACU | Woody vines – Consists of all woody vines greater than 3.28 f |
| Solidago canadensis | | 10.5%_ | FACU | in height. |
| | | 0.0% | | |
| | | 0.0% | | Five Vegetation Strata: |
| | _ | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 2 |
| | | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). |
| | | 0.0% | | Sapling stratum – Consists of woody plants, excluding wood |
| - | | 0.0% | | vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. |
| | | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| | 0 | | | vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| oody Vine Stratum (Plot size:) | 95= | – Total Cove | • | Herb stratum – Consists of all herbaceous (non-woody) plant |
| | | 0.0% | | including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1 |
| | 0 | 0.0% | | m) in height. |
| | | 0.0% | | Woody vines – Consists of all woody vines, regardless of |
| | | 0.0% | | height. |
| | 0 | 0.0% | | Hydrophytic |
| | 0 | 0.0%_ | | Vegetation |
| | 0 : | = Total Cove | | Present? Yes V No V |

Soil Sampling Point: upl-jbl-050317-04

| Depth (inches) | Matrix | | Red | ox Feature | | | | |
|---|-------------------------------|----------------|---------------------------------|----------------|------------|------------------|---------------------------|-------------------------------------|
| | Color (moist) | <u>%</u> | Color (moist) | % | Type 1 | Loc ² | Texture | Remarks |
| 0-13 | 10YR 3/3 | 100 | | | | | Sandy Clay Loam | _ |
| | | | | | | | | |
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| | | | | | | | | |
| Typo: C-Cope | ontration D_Donlotion | n DM_Doduc | and Matrix CS_Covered | d or Coatod | Sand Grai | as 21 ocat | tion: PL=Pore Lining. M=N | Matrix |
| | | II. KIVI–Keuuc | ced Matrix, C3=Covered | d of Coated | Sariu Grai | is -Lucai | | |
| lydric Soil In | | | Dark Surface (S | 7) | | | Indicators for Prob | lematic Hydric Soils ³ : |
| ☐ Histosol (A | | | | , |) (MI DA : | 47 140) | 2 cm Muck (A10 |) (MLRA 147) |
| ☐ Histic Epipe | | | Polyvalue Below | | | | Coast Prairie Red | |
| Black Histic Hydrogen S | | | Thin Dark Surfac | | KA 147, 14 | 18) | (MLRA 147,148) | |
| Stratified La | | | Loamy Gleyed N | | | | Piedmont Floody | olain Soils (F19) |
| _ | | | Depleted Matrix Redox Dark Surf | | | | (MLRA 136, 147 | • |
| _ | (A10) (LRR N) | 14) | Depleted Dark S | | | | | rk Surface (TF12) |
| _ · | elow Dark Surface (A1 | 11) | Redox Depression | | | | Other (Explain in | n Remarks) |
| _ | Surface (A12) | | Iron-Manganese | | 2) (I DD N | | | |
| J Sandy Mucle MLRA 147, — | k Mineral (S1) (LRR N 148) | ı | MLRA 136) | | | | | |
| Sandy Gley | red Matrix (S4) | | Umbric Surface | (F13) (MLR | A 136, 122 | 2) | 3 | f hydrophytic vegetation and |
| | ox (S5) | | ☐ Piedmont Flood | plain Soils (F | F19) (MLR | A 148) | wetland hy | drology must be present, |
| Sandy Redo | () | | | 1 1 (504) (| MIDA 127 | 147) | , , | disturbed or problematic. |
| Sandy Redo Stripped Ma | | | Red Parent Mate | erial (F21) (I | VILKA 127 | 147) | unless o | isturbed or problematic. |
| Stripped Ma | atrix (S6) | | Red Parent Mate | erial (F21) (I | WILKA 127 | 147) | unless c | isturbed of problematic. |
| Stripped Ma | yer (if observed): | | | erial (F21) (I | WILKA 127 | . 147) | unless c | |
| Stripped Ma | yer (if observed): | | | eriai (F21) (i | VILINA 127 | | Hydric Soil Present? | Yes No • |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILIA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILNA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (i | VILNA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F27) (I | VIERA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F27) (I | VIERA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F27) (i | VILNA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (i | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F27) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (i | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (i | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| Stripped Markestrictive Lay Type: Depth (inches | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| Stripped Markestrictive Lay | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| Stripped Marketictive Lay Type: Depth (inches | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| Stripped Marketrictive Lay Type: Depth (inches | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| Stripped Markestrictive Lay Type: Depth (inches | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inche | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |
| estrictive Lay Type: Depth (inches | yer (if observed): | | | erial (F21) (I | VILLA 127 | | | |

| Project/Site: Carrollton Sunnyside | | City/County: Stark | Sampling Date: 03-May-17 |
|---|--|---|--|
| Applicant/Owner: AEP | | State: OH | Sampling Point: upl-jbl-050317-05 |
| Investigator(s): Jbl, Jtt | | Section, Township, Range: S 4 | T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, none) | Slope:/ 0.0 ° |
| Subregion (LRR or MLRA): LRR | N Lat.: | 40.71451 Long.: | -81.274456 Datum: NAD 83 |
| Soil Map Unit Name: Wayland silt | loam | | NWI classification: N/A |
| Are climatic/hydrologic conditions of | on the site typical for this time of y | ear? Yes No (If no, exp | lain in Remarks.) |
| Are Vegetation, Soil | , or Hydrology significant | tly disturbed? Are "Normal Circ | umstances" present? Yes No |
| Are Vegetation . , Soil . | , or Hydrology | problematic? (If needed, expla | ain any answers in Remarks.) |
| Summary of Findings - A | ttach site map showing s | sampling point locations, t | ransects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | - NO - |
| | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | Sec | ondary Indicators (minimum of two required) |
| | one required; check all that apply) | | Surface Soil Cracks (B6) |
| Surface Water (A1) | ☐ True Aquatic Plan | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) Saturation (A3) | ☐ Hydrogen Sulfide | | Drainage Patterns (B10) Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Redu | | Dry Season Water Table (C2) |
| Sediment Deposits (B2) | | | Crayfish Burrows (C8) |
| ☐ Drift deposits (B3) | Thin Muck Surface | e (C7) | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | Other (Explain in | Remarks) | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | | | Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | ery (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) Aquatic Fauna (B13) | | | Microtopographic Relief (D4) FAC-neutral Test (D5) |
| Field Observations: | | | FAC-neutral rest (D5) |
| Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | No Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes | 1 , , | Wetland Hydrolog | y Present? Yes O No 💿 |
| (includes capillally fringe) | | on provious inspections) if available | |
| Describe Recorded Data (stream g | jauge, monitoring well, aeriai priote | os, previous inspections), if available | : |
| Remarks: | | | |
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| | | –Species? - | | |
|---|----------|-----------------|-----------|---|
| | Absolute | . conociaci | Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | % Cover | Cover | Status | Number of Dominant Species |
| 1 | 0 | 0.0% | | That are OBL, FACW, or FAC:1(A) |
| 2 | | 0.0% | | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: 3 (B) |
| 4 | | 0.0% | | Species Across Air Strata. |
| 5 | | 0.0% | | Percent of dominant Species |
| | | 0.0% | | That Are OBL, FACW, or FAC: 33.3% (A/B) |
| 6 | | 0.0% | | Prevalence Index worksheet: |
| 7 | | 0.0% | | Total % Cover of: Multiply by: |
| 8 | | | | |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | 0BL speci es 0 x 1 = 0 |
| 1 | | 0.0% | | FACW species |
| 2 | | 0.0% | | FAC speci es x 3 = 0 |
| | | 0.0% | | FACU species80 x 4 =320 |
| 3 | | 0.0% | | UPL speci es $\frac{15}{}$ x 5 = $\frac{75}{}$ |
| 4 | | 0.0% | | Column Totals: 110 (A) 425 (B) |
| 5 | | | | |
| 6 | | 0.0% | | Prevalence Index = B/A = 3.864 |
| 7 | | 0.0% | | Hydrophytic Vegetation Indicators: |
| 8 | | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| 9 | | | | ☐ Dominance Test is > 50% |
| 0 | 0 | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum (Plot size:) | | = Total Cove | r | Morphological Adaptations ¹ (Provide supporting |
| Rubus allegheniensis | 75 | ✓ 83.3% | FACU | data in Remarks or on a separate sheet) |
| Lonicera maackii | 15 | 16.7% | UPL | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| 3 | | 0.0% | | be present, unless disturbed or problematic. |
| 4 | | \neg | | Definition of Vegetation Strata: |
| 5 | | 0.0% | | Definition of Vegetation Strata: |
| 6 | | 0.0% | | Four Vegetation Strata: Tree stratum – Consists of woody plants, excluding vines, 3 in. |
| 7 | 0 | 0.0% | | (7.6 cm) or more in diameter at breast height (DBH), |
| Herb Stratum (Plot size:) | 90 = | = Total Cove | r | regardless of height. |
| Phalaris arundinacea | 15 | 1 00.0% | FACW | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| 2. | | 0.0% | | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 3 | 0 | 0.0% | | regardless of size, and all other plants less than 3.28 ft tall. |
| • | | 0.0% | | Woody vines – Consists of all woody vines greater than 3.28 ft |
| 4 | | 0.0% | | in height. |
| 5 | | 0.0% | | |
| 6 | | | | Five Vegetation Strata: |
| 7 | | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 20 |
| 8 | | 0.0% | | ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). |
| 9 | | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody |
| 0 | | 0.0% | | vines, approximately 20 ft (6 m) or more in height and less |
| 1 | 0 | 0.0% | | than 3 in. (7.6 cm) DBH. |
| 2 | 0 | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. |
| Woody Vine Stratum (Plot size:) | 15 = | = Total Cove | r | Herb stratum – Consists of all herbaceous (non-woody) plants, |
| 1. Lonicera japonica | 5 | ✓ 100.0% | FACU | including herbaceous vines, regardless of size, and woody |
| | | \Box | 17.00 | species, except woody vines, less than approximately 3 ft (1 |
| 2 | | 0.0% | | m) in height. |
| 3 | | 0.0% | | Woody vines – Consists of all woody vines, regardless of height. |
| 4 | | 0.0% | | _ |
| 5 | 0 | 0.0% | | Hydrophytic |
| 6 | 0 | 0.0% | | Vegetation Present? Yes No No |
| •. | | | | |

Soil Sampling Point: upl-jbl-050317-05

| Profile Descr | iption: (Describe to t | he depth nee | ded to document | the indica | ator or co | nfirm the a | bsence of indicators.) | |
|---------------------------|------------------------------------|---------------|-------------------|--------------|-------------|-----------------------|--------------------------------------|-----------------------------------|
| Depth | Matrix | | Re | dox Featu | | | | |
| (inches) | Color (moist) | <u>%</u> | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks |
| 0-13 | 10YR 3/3 | | | | | | Silt Loam | |
| | | | | | | | | |
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| ¹ Type: C=Cond | centration. D=Depletior | n. RM=Reduced | Matrix, CS=Covere | ed or Coate | d Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | indicators: | | | | | | Indicators for Proble | matic Hydric Soils ³ : |
| Histosol (| | | ☐ Dark Surface (| S7) | | | | |
| | pedon (A2) | | Polyvalue Belov | • | S8) (MLRA | 147,148) | 2 cm Muck (A10) | • |
| Black Hist | | | ☐ Thin Dark Surfa | | | | Coast Prairie Redo | x (A16) |
| | Sulfide (A4) | | Loamy Gleyed | | , . | • / | (MLRA 147,148) | |
| | Layers (A5) | | Depleted Matri | | | | Piedmont Floodpla (MLRA 136, 147) | ain Soils (F19) |
| | k (A10) (LRR N) | | Redox Dark Su | | | | | C ((TF40) |
| | | 1) | Depleted Dark | , , | ') | | | |
| | Below Dark Surface (A1 | 1) | Redox Depress | | , | | Other (Explain in | Remarks) |
| | k Surface (A12) | | ☐ Iron-Manganes | | E12) (LDD I | M | | |
| Sandy Mu MLRA 147 | ck Mineral (S1) (LRR N, 7, 148) | | MLRA 136) | | | | | |
| Sandy Gle | eyed Matrix (S4) | | Umbric Surface | | | | 3 Indiantors of I | nydrophytic vegetation and |
| Sandy Red | dox (S5) | | ☐ Piedmont Floo | dplain Soils | (F19) (MLF | RA 148) | wetland hyd | rology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | terial (F21) | (MLRA 12 | 7, 147) | | turbed or problematic. |
| Restrictive La | ayer (if observed): | | | | | | | |
| Type: | ., (0200.104). | | | | | | | |
| Depth (incl | | | | | | | Hydric Soil Present? | Yes O No 💿 |
| | 1103). | | | | | | | |
| Remarks: | | | | | | | | |
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| Project/Site: Sunnyside Carrollton | | City/County: Stark County | Sampling Date: 02-May-17 |
|---|--|-----------------------------------|---|
| Applicant/Owner: AEP | | State: OF | Sampling Point: UP-PJR-050217-7,8,9 |
| Investigator(s): PJR, LCB | | Section, Township, Range: S | 5 5 T 17N R 7W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, r | none): convex Slope: 35.0% / 19.3 ° |
| Subregion (LRR or MLRA): | | 40.719297 Lo i | ng.: -81.278512 |
| Soil Map Unit Name: Sb | | 40.717277 | NWI classification: N/A |
| Are climatic/hydrologic conditions or | n the cite tunical for this time of yes | ar? Yes No (If no | , explain in Remarks.) |
| Are Vegetation \square , Soil \square | | • | I Circumstances" present? Yes No |
| Are Vegetation, Soil | , or Hydrology naturally pr | oblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - At | tach site map showing sa | | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No • | within a Wetland? | 163 0 140 0 |
| Remarks: | | | |
| Under la ma | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of or | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide O | • • | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) Sediment Deposits (B2) | Presence of Reduce | • • | Dry Season Water Table (C2) Crayfish Burrows (C8) |
| Drift deposits (B3) | | ion in Tilled Soils (C6) | Saturation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | ☐ Thin Muck Surface ☐ Other (Explain in Re | . , | Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | Uner (Explain in Re | erridiks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imager | y (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | | | |
| Water Table Present? Yes | No Depth (inches): | Western date of | rology Present? Yes No • |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | wetiand Hyd | rology Present? Yes O No • |
| Describe Recorded Data (stream ga | auge, monitoring well, aerial photos | s, previous inspections), if avai | ilable: |
| | | | |
| Remarks: | | | |
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| | | Domina | , | Sampling Point: | 01 -1 011-0302 | 11-1,0,3 |
|---|---------------------|------------|------------|--|---------------------|--------------|
| Tree Stratum (Plot size:) | Absolute % Cover | | | | | |
| 1. Prunus serotina | 65 | 100.0 | % FACU | Number of Dominant Species That are OBL, FACW, or FAC: | 0 | (A) |
| 2 | | 0.09 | % | Total Number of Dominant | | |
| 3 | | 0.09 | <u> </u> | Species Across All Strata: | 3 | (B) |
| 4 | | 0.09 | <u> </u> | | | |
| 5 | 0 | 0.09 | <u> </u> | Percent of dominant Species That Are OBL, FACW, or FAC: | 0.0% | (A/B) |
| ô | 0 | 0.09 | % | That Are OBL, FACW, OF FAC. | 0.070 | |
| 7 | 0 | 0.09 | % | Prevalence Index worksheet: | | |
| 8 | | 0.09 | <u> </u> | Total % Cover of: Mu | ıltiply by: | |
| Sapling-Sapling/Shrub Stratum (Plot size: |)65 : | = Total Co | ver | OBL speci es0 x ^ | 1 = 0 | |
| | 2F | 100.0 | % FACU | FACW species0 x 2 | 2 = 0 | |
| Prunus serotina | | 0.09 | | FAC species 0 x 3 | 3 = <u>0</u> | |
| 2 | | 0.09 | | FACU species 95 x 4 | 4 = 380 | |
| 3 | | | | UPL speci es 0 x 5 | 5 = 0 | |
| 4 | | 0.09 | | Column Totals: 95 (A) | | (B) |
| 5 | | 0.09 | | | | |
| 5 | | 0.09 | | Prevalence Index = B/A = | 4.000 | |
| 7 | | 0.09 | | Hydrophytic Vegetation Indicator | s: | |
| 3 | | 0.09 | | Rapid Test for Hydrophytic \ | egetation/ | |
| 9 | | 0.09 | | ☐ Dominance Test is > 50% | | |
| O | | 0.09 | | Prevalence Index is ≤3.0 ¹ | | |
| Shrub Stratum (Plot size:) | 25 : | = Total Co | ver | Morphological Adaptations ¹ | | orting |
| 1 | 0 | 0.09 | % | data in Remarks or on a sepa | - | |
| 2 | | 0.09 | % | Problematic Hydrophytic Ve | getation 1 (Expl | lain) |
| 3 | 0 | 0.09 | % | ¹ Indicators of hydric soil and we | | y must |
| 4 | | 0.09 | <u>/</u> | be present, unless disturbed or p | roblematic. | |
| 5 | | 0.09 | % | Definition of Vegetation Stra | ıta: | |
| 5 | | 0.09 | % | Four Vegetation Strata: | | |
| 7 | | 0.09 | % | Tree stratum – Consists of woody pl (7.6 cm) or more in diameter at breas | | /ines, 3 in. |
| Herb Stratum (Plot size:) | | = Total Co | ver | regardless of height. | | |
| 1. Parthenocissus quinquefolia | | 100.0 | % FACU | Sapling/shrub stratum – Consists of vines, less than 3 in. DBH and greate | | |
| 2 | 0 | 0.09 | <u> </u> | Herb stratum – Consists of all herba | • | • |
| 3 | 0 | 0.09 | <u> </u> | regardless of size, and all other plan | ts less than 3.28 | ft tall. |
| 1 | 0 | 0.09 | % <u> </u> | Woody vines – Consists of all woody | vines greater th | an 3.28 ft |
| 5 | 0 | 0.09 | <u> </u> | in height. | | |
| 5 | 0 | 0.09 | % <u> </u> | Five Vegetation Strata: | | |
| 7 | 0 | | % | Tree - Woody plants, excluding wood | dy vines annroy | imately 20 |
| 3 | 0 | 0.09 | % | ft (6 m) or more in height and 3 in. (7 | | |
| 9 | 0 | 0.09 | % | diameter at breast height (DBH). | | |
|) | 0 | 0.09 | % | Sapling stratum – Consists of woody vines, approximately 20 ft (6 m) or m | | |
| 1 | 0 | 0.09 | % | than 3 in. (7.6 cm) DBH. | g | |
| 2. | 0 | 0.09 | % | Shrub stratum – Consists of woody | | woody |
| Woody Vine Stratum (Plot size:) | | = Total Co | ver | vines, approximately 3 to 20 ft (1 to 6 Herb stratum – Consists of all herba | , . | dv) nlante |
| | 0 | 0.09 | % | including herbaceous vines, regardle | ess of size, and v | woody |
| 1 | | 0.09 | | species, except woody vines, less the m) in height. | an approximatel | y 3 ft (1 |
| 2 | | 0.09 | | Woody vines – Consists of all woody | vines recordis | es of |
| 3 | | 0.09 | | height. | , villes, regardles | oo UI |
| 4 | | | | | | |
| 5 | | 0.09 | | Hydrophytic | | |
| 5 | | 0.09 | | Vegetation Present? Yes No • |) | |
| | 0 | = Total C | over | 1.1000110. | | |

Soil Sampling Point: UP-PJR-050217-7,8,9

| Profile Descr | iption: (Describe to | the depth ne | eded to document | t the indica | ator or co | nfirm the a | absence of indicators.) | |
|---------------------------|---|--------------|---------------------|---------------|--------------|-----------------------|--------------------------------------|------------------------------------|
| Depth | Matrix | | Re | dox Featu | | | | |
| (inches) | Color (moist) | | Color (moist) | % | Tvpe 1 | Loc ² | Texture | Remarks |
| 0-16 | 10YR 5/4 | 100 | | | | | Sandy Loam | |
| | | | | | | | | |
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| ¹ Type: C=Cond | centration. D=Depletion | n. RM=Reduce | ed Matrix, CS=Cover | ed or Coate | d Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | ndicators: | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (| A1) | | Dark Surface (| (S7) | | | | |
| Histic Epip | pedon (A2) | | Polyvalue Belo | w Surface (| S8) (MLRA | 147,148) | 2 cm Muck (A10) | |
| ☐ Black Hist | | | Thin Dark Surf | | | | Coast Prairie Redo (MLRA 147,148) | ox (A16) |
| Hydrogen | Sulfide (A4) | | Loamy Gleyed | | | | | |
| | Layers (A5) | | ☐ Depleted Matri | | | | Piedmont Floodpla (MLRA 136, 147) | ain Soils (F19) |
| | k (A10) (LRR N) | | Redox Dark Su | | | | Very Shallow Dark | (Surface (TE12) |
| | Below Dark Surface (A | 11) | Depleted Dark | |) | | | |
| | k Surface (A12) | 11) | Redox Depress | | , | | Other (Explain in | Remarks) |
| | • • | | ☐ Iron-Manganes | , , | -12) (I RR I | V. | | |
| MLRA 147 | ck Mineral (S1) (LRR N ⁷ , 148) | , | MLRA 136) | | | | | |
| Sandy Gle | yed Matrix (S4) | | Umbric Surface | | | | 3 Indicators of | hydrophytic vegetation and |
| Sandy Red | dox (S5) | | Piedmont Floo | dplain Soils | (F19) (MLF | RA 148) | wetland hyd | rology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | iterial (F21) | (MLRA 12 | 7, 147) | | sturbed or problematic. |
| Restrictive La | ayer (if observed): | | | | | | | |
| Type: | , , | | | | | | | |
| Depth (incl | nes): | | | | | | Hydric Soil Present? | Yes O No 💿 |
| Remarks: | | | | | | | | |
| Remarks. | | | | | | | | |
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| Project/Site: Sunnyside Carrollton | | City/County: Stark County | Sampling Date: 02-May-17 |
|---|-------------------------------------|------------------------------------|--|
| Applicant/Owner: AEP | | State: OI | |
| Investigator(s): PJR, LCB | | Section, Township, Range: S | |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, | |
| Subregion (LRR or MLRA): | | | ng.: -81.288051 |
| Soil Map Unit Name: TIC | Latii | 40.727333 | NWI classification: N/A |
| | | ar? Yes No (If no | |
| Are climatic/hydrologic conditions on | | | , explain in Remarks.) |
| | | | i di cumptumedo present. |
| Are Vegetation, Soil | , or Hydrology | oblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - Att | ach site map showing sa | ampling point location | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes ○ No ● | | |
| Hydric Soil Present? | Yes O No • | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes ○ No • | within a Wetland? | 162 0 140 0 |
| Remarks: | | | |
| | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of one | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | (B14) | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | ☐ Hydrogen Sulfide O | • • | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | ☐ Presence of Reduce | • • | Dry Season Water Table (C2) |
| Sediment Deposits (B2) Drift deposits (B3) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Algal Mat or Crust (B4) | ☐ Thin Muck Surface (| • | Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | U Other (Explain in Re | emarks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Imagery | · (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | , , | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | · · · / - | | |
| Water Table Present? Yes | No Depth (inches): | | rology Present? Yes No • |
| Saturation Present? (includes capillary fringe) Yes | No Depth (inches): | Wetland Hyd | rology Present? Yes No • |
| Describe Recorded Data (stream gat | uge, monitoring well, aerial photos | s, previous inspections), if avail | ilable: |
| _ | | | |
| Remarks: | | | |
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| | | Dominant Species? | | Sampling Point: UP | -F3K-030217-4,3 |
|---|---------------------|----------------------|---------------------|---|----------------------|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | | |
| 1 | | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC: | <u>0</u> (A) |
| 2 | 0 | 0.0% | | Total Number of Deminant | |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata: | 1 (B) |
| | | 0.0% | | | |
| 5 | 0 | 0.0% | | Percent of dominant Species | 0.0% (A/B) |
| 5 | | 0.0% | | That Are OBL, FACW, or FAC: | 0.070 (102) |
| · | 0 | 0.0% | | Prevalence Index worksheet: | |
| 3 | 0 | 0.0% | | Total % Cover of: Multiply | by: |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | | 3 |
| | | 0.0% | | FACW species 0 x 2 = | 0 |
|) | | 0.0% | | FAC species | 0 |
| | | 0.0% | | FACU species x 4 = | 388 |
| | | 0.0% | | UPL species0 x 5 = | 0 |
| i | | 0.0% | | Column Totals: 100 (A) | 391 (B) |
| | | 0.0% | | | |
|) | | 0.0% | | Prevalence Index = B/A = | 3.910 |
| | | 0.0% | | Hydrophytic Vegetation Indicators: | |
| 3 | | 0.0% | | Rapid Test for Hydrophytic Veget | ation |
|) | | $\overline{}$ | | ☐ Dominance Test is > 50% | |
|) | 0 | 0.0% | | Prevalence Index is ≤3.0 ¹ | |
| Shrub Stratum (Plot size:) | | = Total Cove | r | Morphological Adaptations 1 (Pro | |
| | | 0.0% | | data in Remarks or on a separate | • |
| 2. | | | | Problematic Hydrophytic Vegetat | ion - (Explain) |
| 3 | | 0.0% | | ¹ Indicators of hydric soil and wetlan | |
| ł | | 0.0% | | be present, unless disturbed or proble | ematic. |
| 5 | 0 | 0.0% | | Definition of Vegetation Strata: | |
| S | 0 | 0.0% | | Four Vegetation Strata: | |
| 7 | 0 | 0.0% | | Tree stratum – Consists of woody plants, (7.6 cm) or more in diameter at breast hei | |
| lerb Stratum (Plot size:) | | = Total Cove | r | regardless of height. | |
| Trifolium repens | 5 | 5.0% | FACU | Sapling/shrub stratum – Consists of wood vines, less than 3 in. DBH and greater that | |
| Galium tinctorium | 3 | 3.0% | OBL | Herb stratum – Consists of all herbaceous | ` ' |
| Achillea millefolium | 2 | 2.0% | FACU | regardless of size, and all other plants les | s than 3.28 ft tall. |
| Taraxacum officinale | 10 | 10.0% | FACU | Woody vines – Consists of all woody vine | s greater than 3.28 |
| Festuca arundinacea | 80 | 80.0% | FACU | in height. | |
|) | 0 | 0.0% | | Five Vegetation Strate: | |
| 7. | 0 | 0.0% | | Five Vegetation Strata: | |
| 3. | | 0.0% | | Tree - Woody plants, excluding woody vir ft (6 m) or more in height and 3 in. (7.6 cm | , , , , |
|). | | 0.0% | | diameter at breast height (DBH). | , , |
|) | | 0.0% | | Sapling stratum – Consists of woody plar vines, approximately 20 ft (6 m) or more in | |
| | | 0.0% | | than 3 in. (7.6 cm) DBH. | i neigni and less |
| | 0 | 0.0% | | Shrub stratum – Consists of woody plants | |
| | | = Total Cove | - | vines, approximately 3 to 20 ft (1 to 6 m) i | • |
| Noody Vine Stratum (Plot size:) | | | | Herb stratum – Consists of all herbaceous including herbaceous vines, regardless o | . ,,, |
| | | 0.0% | | species, except woody vines, less than ar | |
| 2 | | 0.0% | | m) in height. | |
| b | | 0.0% | | Woody vines – Consists of all woody vine height. | s, regardless of |
| | | 0.0% | | - 3 | |
| 5 | | 0.0% | | Hydrophytic | |
| 5 | | 0.0% | | Vegetation | |
| | 0 | = Total Cove | | Present? Yes \(\cdot \text{No } \(\text{\$\text{\$\omega\$}} \) | |

Soil Sampling Point: UP-PJR-050217-4,5,6

| Profile Descr | iption: (Describe to | the depth ne | eded to documen | t the indica | ator or co | nfirm the a | absence of indicators.) | |
|---------------------------|---|--------------|---------------------|---------------|------------|-----------------------|--------------------------------------|------------------------------------|
| Depth | Matrix | | Re | dox Featu | | | | |
| (inches) | Color (moist) | | Color (moist) | <u>%</u> | Tvpe 1 | Loc2 | Texture | Remarks |
| 0-16 | 10YR 3/3 | 100 | | | | | Silt Loam | |
| - | | | | | | | | |
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| ¹ Type: C=Cond | centration. D=Depletion | n. RM=Reduce | ed Matrix, CS=Cover | ed or Coate | d Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | ndicators: | | | | | | Indicators for Proble | ematic Hydric Soils ³ : |
| Histosol (A | A1) | | Dark Surface (| (S7) | | | | |
| | pedon (A2) | | Polyvalue Belo | | S8) (MLRA | 147,148) | 2 cm Muck (A10) | · |
| Black Hist | | | ☐ Thin Dark Surf | | | | Coast Prairie Redo | ox (A16) |
| | Sulfide (A4) | | Loamy Gleyed | | | • | (MLRA 147,148) | (540) |
| | Layers (A5) | | Depleted Matri | | | | Piedmont Floodpla (MLRA 136, 147) | ain Soils (F19) |
| | k (A10) (LRR N) | | Redox Dark Su | | | | | Curface (TE12) |
| | Below Dark Surface (A | 11\ | Depleted Dark | |) | | Very Shallow Dark | |
| | k Surface (A12) | 11) | Redox Depress | | , | | Other (Explain in | Remarks) |
| | • • | | ☐ Iron-Manganes | , , | 12) (LRR | N | | |
| MLRA 147 | ck Mineral (S1) (LRR N ⁷ , 148) | , | MLRA 136) | | | | | |
| Sandy Gle | yed Matrix (S4) | | Umbric Surfac | | | | 3 Indicators of | hydrophytic vegetation and |
| Sandy Red | dox (S5) | | Piedmont Floo | dplain Soils | (F19) (MLF | RA 148) | wetland hyd | rology must be present, |
| Stripped N | Matrix (S6) | | Red Parent Ma | iterial (F21) | (MLRA 12 | 7, 147) | | sturbed or problematic. |
| Restrictive La | ayer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (incl | nes): | | | | | | Hydric Soil Present? | Yes O No 🗨 |
| Remarks: | , | | | | | | | |
| Kemarks. | | | | | | | | |
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| Project/Site: Sunnyside Carrollton | | City/County: Stark County | Sampling Date: 02-May-17 |
|--|--|----------------------------------|--|
| Applicant/Owner: AEP | | State: 0 | H Sampling Point: P-PJR-050217-01,02,0 |
| Investigator(s): PJR, LCB | | Section, Township, Range: S | 32 T 18N R 7W |
| Landform (hillslope, terrace, etc.): | Hillside | Local relief (concave, convex, | none): none |
| Subregion (LRR or MLRA): | | 40.730128 Lo | ng.: -81.2909876 |
| Soil Map Unit Name: TIC | Lucii | 40.730120 | NWI classification: N/A |
| | the site terminal for this time of war | ar? Yes • No O (If no | |
| Are climatic/hydrologic conditions o Are Vegetation | | | o, explain in Remarks.) Il Circumstances" present? Yes No |
| Are Vegetation, Soil | , or Hydrology 🔲 naturally pr | oblematic? (If needed, | explain any answers in Remarks.) |
| Summary of Findings - At | ttach site map showing sa | | ns, transects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes O No 💿 | | |
| Hydric Soil Present? | Yes O No 💿 | Is the Sampled Area | Yes ○ No ● |
| Wetland Hydrology Present? | Yes O No 💿 | within a Wetland? | 163 C NO C |
| Remarks: | | | |
| | | | |
| Hydrology | | | |
| Wetland Hydrology Indicators: | | | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of o | | | Surface Soil Cracks (B6) |
| Surface Water (A1) | True Aquatic Plants | | Sparsely Vegetated Concave Surface (B8) |
| High Water Table (A2) | Hydrogen Sulfide O | • • | Drainage Patterns (B10) |
| Saturation (A3) | | res along Living Roots (C3) | Moss Trim Lines (B16) |
| Water Marks (B1) | Presence of Reduce | • • | Dry Season Water Table (C2) |
| Sediment Deposits (B2) Drift deposits (B3) | | ion in Tilled Soils (C6) | Crayfish Burrows (C8) |
| Algal Mat or Crust (B4) | ☐ Thin Muck Surface (| | Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) |
| Iron Deposits (B5) | U Other (Explain in Re | emarks) | Geomorphic Position (D2) |
| Inundation Visible on Aerial Image | ery (B7) | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | ., (=-) | | Microtopographic Relief (D4) |
| Aquatic Fauna (B13) | | | FAC-neutral Test (D5) |
| Field Observations: | | | |
| Surface Water Present? Yes | No Depth (inches): | | |
| Water Table Present? Yes | No Depth (inches): | | |
| Saturation Present? (includes capillary frings) Yes | _ | Wetland Hyd | Irology Present? Yes O No 💿 |
| (includes capillally milige) | rauge, monitoring well, aerial photos | | ilable: |
| Describe Recorded Data (stream g | auge, monitoring well, aerial photos | s, previous inspections), ir ava | nabic. |
| Remarks: | | | |
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| | | Dominant Species? | | Sampling Point: <u>UP-PJR-050217-01,02</u> |
|---|---------------------|----------------------|---------------------|---|
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator Status | |
| 1 | 0 | 0.0% | | Number of Dominant Species That are OBL, FACW, or FAC:0(A) |
| 2 | 0 | 0.0% | | Total Number of Densirent |
| 3 | | 0.0% | | Total Number of Dominant Species Across All Strata:1 (B) |
| 4 | | 0.0% | | |
| 5 | 0 | 0.0% | | Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 6 | 0 | 0.0% | | That Are Obl., FACW, or FAC. |
| 7 | 0 | 0.0% | | Prevalence Index worksheet: |
| 8 | | 0.0% | | Total % Cover of: Multiply by: |
| Sapling-Sapling/Shrub Stratum (Plot size: |) = | = Total Cove | r | 0BL species x 1 =0 |
| 1 | | 0.0% | | FACW species 0 x 2 = 0 |
| 2. | | 0.0% | | FAC speci es $0 \times 3 = 0$ |
| 3 | | 0.0% | | FACU species x 4 =400 |
| 4 | | 0.0% | | UPL speci es $0 \times 5 = 0$ |
| 5 | | 0.0% | | Column Total s: 100 (A) 400 (B) |
| 6 | 0 | 0.0% | | Prevalence Index = B/A =4.000_ |
| 7 | | 0.0% | | Hydrophytic Vegetation Indicators: |
| 8 | 0 | 0.0% | | Rapid Test for Hydrophytic Vegetation |
| 9 | | 0.0% | | Dominance Test is > 50% |
| 0 | | 0.0% | | Prevalence Index is ≤3.0 ¹ |
| Shrub Stratum_ (Plot size:) | | = Total Cove | r | Morphological Adaptations ¹ (Provide supporting |
| 1 | 0 | 0.0% | | data in Remarks or on a separate sheet) |
| 2. | 0 | 0.0% | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3. | | 0.0% | | ¹ Indicators of hydric soil and wetland hydrology must |
| 4. | | 0.0% | | be present, unless disturbed or problematic. |
| 5 | | 0.0% | | Definition of Vegetation Strata: |
| 6 | | 0.0% | | Four Vegetation Strata: |
| 7 | | 0.0% | | Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH), |
| Herb Stratum (Plot size:) | | = Total Cove | r | regardless of height. |
| 1. Poa pratensis | 95 | ✓ 95.0% | FACU | Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. |
| 2. Alliaria petiolata | | 5.0% | FACU | Herb stratum – Consists of all herbaceous (non-woody) plants |
| 3. | 0 | 0.0% | | regardless of size, and all other plants less than 3.28 ft tall. |
| 4 | 0 | 0.0% | | Woody vines – Consists of all woody vines greater than 3.28 ft |
| 5 | 0 | 0.0% | | in height. |
| 6 | | 0.0% | | Five Vegetation Strata: |
| 7 | | 0.0% | | |
| 8 | 0 | 0.0% | | Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in |
| 9 | 0 | 0.0% | | diameter at breast height (DBH). |
| 0 | 0 | 0.0% | | Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less |
| 1 | 0 | 0.0% | | than 3 in. (7.6 cm) DBH. |
| 2. | 0 | 0.0% | | Shrub stratum – Consists of woody plants, excluding woody |
| Woody Vine Stratum (Plot size:) | 100 = | = Total Cove | r | vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb stratum – Consists of all herbaceous (non-woody) plants |
| 1 | 0 | 0.0% | | including herbaceous vines, regardless of size, and woody |
| 2. | 0 | 0.0% | | species, except woody vines, less than approximately 3 ft (1 m) in height. |
| 3 | | 0.0% | | Woody vines – Consists of all woody vines, regardless of |
| 5 4 | | 0.0% | | height. |
| 5 | | 0.0% | | |
| 5 6. | | 0.0% | | Hydrophytic Vegetation |
| o | | = Total Cove | er | Present? Yes No No |
| | U | | | |

Soil Sampling Point: UP-PJR-050217-01,02,

| Profile Descr | iption: (Describe to t | the depth n | eeded to document | the indic | ator or co | nfirm the a | absence of indicators.) | |
|--------------------------|-------------------------|-------------|----------------------|--------------|-------------|-----------------------|-------------------------------------|----------------------------|
| Depth | Matrix | | | dox Featu | ires | | _ | |
| (inches) | Color (moist) | | Color (moist) | % | Type 1 | Loc2 | Texture | Remarks |
| 0-2 | 10YR 4/2 | | | | | | Silty Clay Loam | |
| 2-16 | 10YR 4/3 | | | | | | Silty Clay Loam | |
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| | | | | | | | | |
| ¹ Type: C=Con | centration. D=Depletion | n. RM=Reduc | ed Matrix, CS=Covere | ed or Coate | ed Sand Gra | ins ² Loca | tion: PL=Pore Lining. M=Ma | atrix |
| Hydric Soil I | | | | | | | | |
| Histosol (| | | Dark Surface (| S7) | | | Indicators for Proble | - |
| | pedon (A2) | | Polyvalue Belov | | (S8) (MI RA | 147 148) | 2 cm Muck (A10) | (MLRA 147) |
| Black Hist | | | Thin Dark Surfa | | | | Coast Prairie Redo | ox (A16) |
| | Sulfide (A4) | | Loamy Gleyed | | | .5, | (MLRA 147,148) | |
| | Layers (A5) | | Depleted Matrix | | , | | Piedmont Floodpl (MLRA 136, 147) | ain Soils (F19) |
| | k (A10) (LRR N) | | Redox Dark Su | | | | | Confess (TE12) |
| | Below Dark Surface (A1 | 11) | Depleted Dark | ` , | 7) | | ☐ Very Shallow Dark | |
| | k Surface (A12) | 11) | Redox Depress | | ,, | | Other (Explain in | Remarks) |
| | • • | | ☐ Iron-Manganes | | (F12) (LRR | N. | | |
| MLRA 147 | • | r | MLRA 136) | | . , , | | | |
| | eyed Matrix (S4) | | Umbric Surface | | | | ³ Indicators of | hydrophytic vegetation and |
| Sandy Re | | | ☐ Piedmont Floor | | | | wetland hyd | Irology must be present, |
| | Matrix (S6) | | Red Parent Ma | terial (F21) |) (MLRA 12 | 7, 147) | unless dis | sturbed or problematic. |
| Restrictive L | ayer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (inc | hes): | | | | | | Hydric Soil Present? | Yes ○ No • |
| Remarks: | | | | | | | · | |
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in

Case No(s). 17-1318-EL-BLN

Summary: Letter of Notification electronically filed by Mr. Ryan F.M. Aguiar on behalf of AEP Ohio Transmission Company, Inc.