Federal Wetland Delineation Report

for

S. Youngs Rd. Site

Town of Amherst Erie County New York

Prepared for:

Napierala Consulting 110 Fayette St Manlius, NY 13104

Client: Rod Ives

Landowner: 669 Youngs Road LLC

Prepared by:



ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS

10 Liftbridge Lane East Fairport, NY 14450 (585) 377-7360

BME Project No. 2089-173

August 2023

TABLE OF CONTENTS

| Introduction | .1 |
|-----------------------------|----|
| Agency Resource Information | .1 |
| Methodology | .2 |
| Site Ecology | .3 |
| Water Resource Descriptions | .4 |
| Conclusions | .5 |
| References | .7 |

Appendices

| Appendix A | <u>Exhibits</u> |
|------------|--|
| | Exhibit 1 – Aerial Site Location Map |
| | Exhibit 2 – USGS Quadrangle |
| | Exhibit 3 – USFWS National Wetlands Inventory |
| | Exhibit 4 – NYSDEC Environmental Resource Mapper |
| | Exhibit 5 – NRCS Soil Survey |
| | Exhibit 6 – Aerial Wetland Delineation Map |
| | Exhibit 7 – Photo Location Map |
| | |
| Appendix B | Site Photographs |
| Appendix C | Data Forms |

INTRODUCTION

Napierala Consulting contracted BME Associates (BME) to examine and delineate wetlands on a ± 27.9 -acre area of interest located west of S. Youngs Rd in the Town of Amherst, Erie County, New York (Appendix A, Exhibit 1). The site includes tax parcel number 81.03-5-20. The proposed development for the site will be for the construction of a commercial development which will not be federally funded under the Bipartisan Infrastructure Law. A Combined Approved and Preliminary Jurisdictional Determination is requested for the subject site.

The presence and location of wetlands and streams were determined using methods established in the 1987 *Corps of Engineers Wetland Delineation Manual*, 2012 Northeast Regional Supplement, 2018 Field Indicators of Hydric Soils in the United States, and other appropriate guidelines. The results of the delineation study are contained in this report.

AGENCY RESOURCE INFORMATION

Prior to initiating the field wetland delineation study, BME reviewed the following background information:

- GIS Aerial Photo of the Site (Exhibit 1) The site consists of undeveloped land including natural forest cover and successional field. The surrounding land use is mainly commercial and residential.
- The U.S. Geological Survey (USGS) Lancaster Quadrangle 7.5-minute topographic series was used to determine possible drainage patterns and the presence of streams and other water bodies (Exhibit 2). The USGS map indicates that the site is sloped in the southwestern direction. The USGS topographic map shows wetland symbols throughout most of the site. A perennial stream (Ellicott Creek) is shown along the southwestern boundary of the site.
- The U.S. Fish and Wildlife Service National Wetlands Inventory (NWI) map was used to locate any mapped Federal wetlands or streams on the site (Exhibit 3). The NWI map shows two wetlands, classified as PSS1E AND PFO1/SS1E. Additionally, a perennial stream classified as R2UBH is shown to run along the southwestern boundary of the site.

- The New York State Department of Environmental Conservation (NYSDEC) Environmental Resource Mapper was used to determine the presence of any mapped NYSDEC wetlands on the project site (Exhibit 4). The resource mapper does not show any mapped state wetlands on site; however, it does show a Class B stream along the southwestern boundary of the site.
- The Natural Resource Conservation Service Web Soil Survey was used to locate any hydric soils, or soils with potential hydric inclusions within the project site (Exhibit 5). The soil map indicates the presence of the following soils within the AOI (Area of Interest):

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|--------------------|--|--------|-----------------|-------------------|
| CgB | Cazenovia silt loam, 3 to 8 percent slopes | 0 | 4.7 | 16.8% |
| OvA | Ovid silt loam, 0 to 3 percent slopes | 5 | 23.1 | 82.5% |
| W | Water | 0 | 0.2 | 0.7% |
| Totals for A | Area of Interest | | 27.9 | 100.0% |

METHODOLOGY

BME conducted the federal wetland delineation for the site according to methods described in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual, and the 2012 North Central and Northeast Region Supplement. Atypical Situation methods were not utilized. The 2018 U.S. Army Corps of Engineers, National Wetland Plant List was utilized for wetland indicator status while the USDA, NRCS Field Indicators of Hydric Soils in the United States was utilized for hydric soil identification. A general survey of the site was conducted to determine the presence of waters of the U.S. and potential wetland areas. Where potential wetlands were found, pairs of sample points were established to document soil and hydrological conditions in both the upland and wetland communities. A pair of sample points were taken at the wetlands, along with additional upland sampling points to support the location and extent of any wetlands. Site hydrology was evaluated by looking for and noting wetland hydrology indicators. Soils were evaluated by comparing soils taken from the sample sites with the Munsell Soil Color Charts (X-Rite Incorporated, Revised 2009), as well as evaluating additional hydric soil indicators. Soils were tested along wetland boundaries to aid in determining accurate wetland limits.

At each data sampling location, a list of dominant plants was documented and the percent cover for each species was estimated. Generally, a 5-foot radius from the sampling point was used to define herbaceous plants within the plant community, a 30-foot radius was used to define trees and woody vines, and a 15-foot radius to define shrubs and saplings. The "dominance measure methods" outlined in the *1987 Federal Delineation Manual* (Federal Interagency Committee for Wetland Delineation 1987) and the *2012 Northcentral and Northeast Region Supplement* were used to determine the presence of wetland vegetation while the *2018 U.S. Army Corps of Engineers National Wetland Plant List* was utilized for plant identification and determination of wetland plant indicator status.

Sample point locations and wetland boundaries were marked in the field by flags for identification by GPS equipment. The field survey of wetland points was completed by BME Associates. All delineated wetland boundaries and sample point locations are shown in Exhibit 6, and site photograph locations are shown in Exhibit 7 in Appendix A. Site photographs can be found in Appendix B, and data forms can be found in Appendix C.

SITE ECOLOGY

The upland plant communities on the site include successional forest (successional southern hardwood forest), and successional field. The on-site wetland plant community consists of an emergent wetland (shallow emergent marsh).

Successional Southern Hardwood Forest

The majority of upland areas on site are dominated by early successional species. Common tree and shrub species within these areas include black walnut (*Juglans nigra*), box elder (*Acer negundo*), black locust (*Robinia pseudoacacia*), hawthorns (*Crataegus spp.*), multiflora rose (*Rosa multiflora*), black raspberry (*Rubus occidentalis*), and honeysuckles (*Lonicera spp.*). Grasses and forbs that dominate these areas include timothy (*Phleum pratense*), Kentucky bluegrass (*Poa pratense*), white snakeroot (*Ageratina altissima*), thistle (*Cirsium spp.*), and black swallow-wort (*Cynanchum nigrum*).

Successional Field

The open field areas on site are dominated primarily by grasses and forbs with some upland shrub species. Common shrub species within these areas include multiflora rose (*Rosa multiflora*), black raspberry (*Rubus occidentalis*), and honeysuckles (*Lonicera spp.*). Grasses and

forbs that dominate these areas include timothy (*Phleum pratense*), Kentucky bluegrass (*Poa pratense*), white snakeroot (*Ageratina altissima*), thistle (*Cirsium spp.*), spotted knapweed (*Centaurea stoebe*), and black swallow-wort (*Cynanchum nigrum*).

Shallow Emergent Marsh

Wetland A is best characterized as a shallow emergent marsh. This wetland is vegetated with white cutgrass (*Leersia virginica*), moneywort (*Lysimachia nummularia*), Gray's sedge (*Carex grayi*), grass-leaved goldenrod (*Euthamia graminifolia*), yellow flag iris (*Iris pseudacorus*), common rush (*Juncus effusus*), and horsetail (*Equisetum arvense*).

WATER RESOURCE DESCRIPTIONS

The site includes one (1) delineated wetland, one (1) stream, and one (1) swale (see Exhibit 6).

| Name | Identification | Size (within site) | OHWM Dimensions | Flow Regime | Latitude and Longitude |
|-----------|----------------|-----------------------|-----------------------------------|-------------|---------------------------|
| Wetland A | PEM | 0.05 AC | - | - | 42.947266, -78.727813 |
| Stream A | - | ± 1,819 LF | ± 40-60' wide, ± 5-10' deep | Perennial | 42.947104, -78.728831 |
| Swale A | _ | ± 876 LF | ± 5-10' wide, 2-5' deep | Ephemeral | 42.948630, -78.730210 |

| Table 1. | Water | Resource | Summary |
|----------|-------|----------|---------|
| | | | |

SITE WETLANDS: Wetland A (Area = ± 0.05 AC)

Wetland A is a linear floodplain wetland located in the southeastern portion of the site. This wetland is shown on the National Wetlands Inventory as a PFO1/SS1E wetland but is best classified as a PEM wetland. Soils are mapped as Ovid silt loam, 0 to 3 percent slopes with a hydric rating of 5. Wetland A appears to receive most of its hydrology from runoff from surrounding upland areas. However, it does appear that at one point in time that Wetland A received hydrology from Stream A via Swale A, likely during storm events or high-water events. There was saturation noted throughout Wetland A during the site visit. The dominant vegetation

in this wetland includes black willow (*Salix nigra*), white cutgrass (*Leersia virginica*), moneywort (*Lysimachia nummularia*), grass-leaved goldenrod (*Euthamia graminifolia*), Gray's sedge (*Carex grayi*), horsetail (*Equisetum arvense*), yellow flag iris (*iris pseudacorus*), and common rush (*Juncus effusus*).

SITE STREAMS:

Stream A (±1,819 LF)

Stream A runs along the southwestern boundary of the site. This stream originates off-site and exhibits a perennial flow regime. The northeastern bank of Stream A is severely undercut and eroded in many areas. The stream bank on the southwestern side of Stream A is much lower than the northeastern bank and likely receives the brunt of floodwaters from Stream A. The ordinary high-water mark (OHWM) of Stream A varies in dimension from \pm 5-15' deep and \pm 30-80' wide.

Swale A (±876 LF)

Swale A is in the northwestern portion of the area of interest. This swale is \pm 876 LF and varies in width from \pm 4-6'. This swale can be characterized as ephemeral as it appears to flow periodically throughout the year, likely receiving water from surrounding upland areas. Swale A is perched approximately 10-15' above Stream A. Stream A appears to have overflowed to Swale A at one point in time during high water or storm events. However, with the high elevation of the northeastern bank of Stream A it is uncertain if Stream A could still convey flow to Swale A. This swale is vegetated with wetland and upland species and does not display any hydric soil indicators.

CONCLUSIONS

Within the area of interest, one (1) wetland was identified, and field delineated by BME Associates based on the presence of all three parameters for federal jurisdictional wetlands (Appendix A, Exhibit 6). Furthermore, one (1) stream and one (1) swale were observed, and their flow regimes evaluated. Based on our field observations, Swale A and Wetland A do not appear to receive water from Stream A (Ellicott Creek) and therefore may be non-jurisdictional, subject to USACE final determination. On behalf of Rod Ives and Napierala Consulting, BME

Associates is requesting a Combined Approved and Preliminary Jurisdictional Determination for the subject site.

REFERENCES

- Department of the Army. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1. Corps of Engineers, Waterways Experiment Station. Vicksburg, Mississippi.
- Edinger, G.J., D.J. Evans, S. Gebauer, T.G. Howard, D.M. Hunt, and A.M. Olivero (editors). 2014. Ecological Communities of New York State. Second Edition. A revised and expanded edition of Carol Reschke's Ecological Communities of New York State. New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY.
- Federal Interagency Committee for Wetland Delineation. 1989. Identifying and Delineating Jurisdictional Wetlands. U. S. Army Corps of Engineers, U.S. Environmental Protection Agency, U. S. Fish and Wildlife Service, and U.S.D.A. Soil Conversation Service, Washington, DC. Cooperative Technical Publication.
- Munsell Color. (Revised) 2009. Munsell Soil Color Charts. X-Rite Incorporated. Grand Rapids, Michigan USA.
- National Wetland Inventory Maps, U.S. Department of the Interior, Fish and Wildlife Service, National Wetland Inventory, St. Petersburg, FL.
- Newcomb, L. 1977. Newcomb's Wildflower Guide. Hachette Book Group, Inc. New York, NY.
- New York State Department of Environmental Conservation Freshwater Wetlands Maps, NYSDEC, New York.
- Ogden, E.C. 1981. Field Guide to Northeastern Ferns. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bull. 444, New York State Museum, Albany, NY 122 pp.
- Reed, P.B., Jr. 1995. National List of Plant Species That Occur in Wetlands: Northeast (Region 1). U.S. Fish and Wildlife Service Biological Report 88(26.1). St. Petersburg, FL.
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, January 2012, Volume 2.0.
- U.S.D.A. Soil Conversation Service. 1986. Soil Survey of Monroe County, New York. USDA SCS. Washington, DC.
- U.S.D.A. Soil Conversation Service. 1991. Hydric Soils of the United States. Miscellaneous Publication No. 1491. Washington, DC.
- U.S.D.A. Soil Conservation Service. 2017, V. 8.1. National Hydric Soils List. Lincoln, NE.
- Williams, A.E. 1992. Clarification and Interpretation of the 1987 Manual. U.S. Army Corps of Engineers March 6, 1992 Memorandum. USACE. Washington, DC.
- U.S Army Corps of Engineers 2018. National Wetland Plant List, Version 3.4

BME Wetland Field Delineators

Abigail Ludgate

APPENDIX A Exhibits 1 – 7

- Exhibit 1 Aerial Site Location Map
- Exhibit 2 USGS Quadrangle
- Exhibit 3 USFWS National Wetlands Inventory
- Exhibit 4 NYSDEC Environmental Resource Mapper
- Exhibit 5 NRCS Soil Survey
- Exhibit 6 Aerial Wetland Delineation Map
- Exhibits 7 Photo Location Map















APPENDIX B Site Photographs



Photo 1: Upland, facing north.



Photo 2: Upland, facing east.





Photo 3: Upland, facing south.



Photo 4: Upland, facing west.





Photo 5: Upland, facing north.



Photo 6: Upland, facing east.





Photo 7: Upland, facing south.



Photo 8: Upland, facing west.





Photo 9: Swale A, facing southeast.



Photo 10: Swale A, facing northwest.





Photo 11: Swale A, facing southeast.









Photo 13: Wetland A, facing north.



Photo 14: Wetland A, facing east.





Photo 15: Wetland A, facing south.



Photo 16: Wetland A, facing west.





Photo 17: Wetland A, facing north.



Photo 18: Wetland A, facing east.





Photo 19: Wetland A, facing south.



Photo 20: Wetland A, facing west.





Photo 21: Upland, facing north.



Photo 22: Upland, facing east.





Photo 23: Upland, facing south.



Photo 24: Upland, facing west.



APPENDIX C Data Forms

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: S. Youngs Rd | | City/C | ounty: Amherst/ Erie | | Sampling Date: 8/16/23 |
|---|-------------------------|--------------------------|---------------------------------|-----------------|------------------------|
| Applicant/Owner: Rod Ives, Na | apierala Consulting | | S | state: NY | Sampling Point: A-WET |
| Investigator(s): AL | | | Section, Township, Ra | nge: Town of | Amherst |
| Landform (hillside, terrace, etc.): | none | Local relief (c | oncave, convex, none): <u>c</u> | oncave | Slope %: 2 |
| Subregion (LRR or MLRA): LRR L | _, MLRA 101 Lat: | 42.947208 | Long: -78.7275 | 53 | Datum: NAD83 |
| Soil Map Unit Name: OvA | | | NWI | classification: | PFO1/SS1E |
| Are climatic / hydrologic conditions of | on the site typical for | this time of year? | Yes No | (lf no, e | explain in Remarks.) |
| Are Vegetation, Soil | , or Hydrology | significantly disturbed? | Are "Normal Circums | stances" prese | ent? Yes X No |
| Are Vegetation, Soil | , or Hydrology | naturally problematic? | (If needed, explain a | ny answers in | Remarks.) |
| SUMMARY OF FINDINGS - | · Attach site map | showing sampling | point locations, tra | nsects, im | portant features, etc. |
| Hydrophytic Vegetation Present? | Yes X | No Is th | e Sampled Area | Ves X | No |

| Hydric Soil Present? Wetland Hydrology Present? | Yes Yes | X X | No No | within a Wetland? Yes X No If yes, optional Wetland Site ID: |
|--|------------|---------|------------------|--|
| Remarks: (Explain alternative procedure | s here or | in a se | eparate report.) | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

HYDROLOGY

| Wetland Hydrology Indicators: | | Secondary Indicators (minimum of two required) |
|--|---|---|
| Primary Indicators (minimum of one is require | ed; 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) |
| X Saturation (A3) | Marl Deposits (B15) | Dry-Season Water Table (C2) |
| Water Marks (B1) | Hydrogen Sulfide Odor (C1) | Crayfish Burrows (C8) |
| Sediment Deposits (B2) | Oxidized Rhizospheres on Living Roots | (C3) Saturation Visible on Aerial Imagery (C9) |
| Drift Deposits (B3) | Presence of Reduced Iron (C4) | Stunted or Stressed Plants (D1) |
| Algal Mat or Crust (B4) | Recent Iron Reduction in Tilled Soils (Ce | 6) Geomorphic Position (D2) |
| Iron Deposits (B5) | Thin Muck Surface (C7) | Shallow Aquitard (D3) |
| Inundation Visible on Aerial Imagery (B7 |) Other (Explain in Remarks) | Microtopographic Relief (D4) |
| Sparsely Vegetated Concave Surface (B | 8) | X FAC-Neutral Test (D5) |
| Field Observations: | | |
| Surface Water Present? Yes | No X Depth (inches): | |
| Water Table Present? Yes | No X Depth (inches): | |
| | | |
| Saturation Present? Yes X | No Depth (inches): 0 V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) | No Depth (inches): V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monostream gauge) | No Depth (inches): V | Vetland Hydrology Present? Yes X No ns), if available: |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, more | No Depth (inches): V | Vetland Hydrology Present? Yes X No ns), if available: |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, more | No Depth (inches): V | Vetland Hydrology Present? Yes X No ns), if available: |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mod | No Depth (inches): V | Vetland Hydrology Present? Yes X No ns), if available: |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monostream) Remarks: | No Depth (inches): V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, monostream) Remarks: | No Depth (inches): V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, model) Remarks: | No Depth (inches): V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mod | No Depth (inches): V | Vetland Hydrology Present? Yes X No ns), if available: |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, model) Remarks: | No Depth (inches): V | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, monostream) Remarks: | No Depth (inches): 0 V nitoring well, aerial photos, previous inspection | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, monostream) Remarks: | No Depth (inches): 0 V nitoring well, aerial photos, previous inspection | Vetland Hydrology Present? Yes X No |
| Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, monostream) Remarks: | No Depth (inches): V nitoring well, aerial photos, previous inspection | Vetland Hydrology Present? Yes X No |

VEGETATION – Use scientific names of plants.

Sampling Point: A-WET

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|---|---------------------|----------------------|---------------------|---|
| 1. Salix nigra | 30 | Yes | OBL | Number of Dominant Crossics |
| 2. Juglans nigra | 20 | Yes | FACU | That Are OBL, FACW, or FAC: 4 (A) |
| 3. Fraxinus pennsylvanica | 10 | No | FACW | |
| 4. | | | | Species Across All Strata: 5 (B) |
| 5. | | | | |
| 6. | | | | That Are OBL, FACW, or FAC: 80.0% (A/B) |
| 7 | | | | Prevalence Index worksheet: |
| | 60 | =Total Cover | | Total % Cover of: Multiply by: |
| Sapling/Shrub Stratum (Plot size: 15') | | | | OBL species X 1 = 43 |
| 1. Crataegus crus-galli | 10 | Yes | FAC | FACW species 100 x 2 = 200 |
| 2 | | | | FAC species 30 x 3 =90 |
| 3 | | | | FACU species 20 x 4 = 80 |
| 4 | | | | UPL species 0 x 5 = 0 |
| 5 | | | | Column Totals: 193 (A) 413 (B) |
| 6 | | | | Prevalence Index = B/A = 2.14 |
| 7 | | | | Hydrophytic Vegetation Indicators: |
| | 10 | =Total Cover | | 1 - Rapid Test for Hydrophytic Vegetation |
| Herb Stratum (Plot size: 5') | | | | X 2 - Dominance Test is >50% |
| 1. Leersia virginica | 55 | Yes | FACW | X_3 - Prevalence Index is ≤3.0 ¹ |
| 2. Lysimachia nummularia | 30 | Yes | FACW | 4 - Morphological Adaptations ¹ (Provide supporting |
| 3. Euthamia graminifolia | 15 | No | FAC | data in Remarks or on a separate sheet) |
| 4. Carex grayi | 5 | No | FACW | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 5. Equisetum arvense | 5 | No | FAC | ¹ Indiastors of hydric soil and watland hydrology must |
| 6. Iris pseudacorus | 10 | No | OBL | be present, unless disturbed or problematic. |
| 7. Juncus effusus | 3 | No | OBL | Definitions of Vegetation Strata: |
| 8. | | | | Tree Woody plants 2 in (7.6 cm) or more in |
| 9. | | | | diameter at breast height (DBH), regardless of height. |
| 10. | | | | Sanling/abrub Woody plants loss than 2 in DPH |
| 11. | | | | and greater than or equal to 3.28 ft (1 m) tall. |
| 12. | | | | Herb All berbasseus (non woody) planta, regardless |
| | 123 | =Total Cover | | of size, and woody plants less than 3.28 ft tall. |
| Woody Vine Stratum (Plot size: 15') | | | | Weedy vince All weedy vince greater than 2.28 ft in |
| 1. | | | | height. |
| 2. | | | | |
| 3. | | | | Hydrophytic |
| 4. | | | | Present? Yes X No |
| | | =Total Cover | | |
| Remarks: (Include photo numbers here or on a sepa | arate sheet.) | | | |
| | , | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SOIL

| Profile Desc | cription: (Describe | to the de | epth needed to docu | ument th | ne indica | tor or c | onfirm the absence of i | indicators.) |
|---------------------------|------------------------|---|-----------------------|-------------------|-------------------------|------------------|----------------------------|--|
| Depth | Matrix | | Redox | k Featur | es | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks |
| 0-16 | 10YR 3/2 | 98 | 5YR 5/8 | 2 | С | М | Mucky Loam/Clay | |
| 16-18 | 10YR 4/2 | 60 | 5YR 5/8 | 40 | С | М | Mucky Loam/Clay | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| ¹ Type: C=C | oncentration, D=Depl | etion, RM | / | IS=Masl | ked Sanc | Grains. | ² Location: PL= | =Pore Lining, M=Matrix. |
| Hydric Soil | Indicators: | , | | | | | Indicators for | Problematic Hydric Soils ³ : |
| Histosol | (A1) | | Polyvalue Belo | w Surfa | ce (S8) (I | LRR R, | 2 cm Mucł | k (A10) (LRR K, L, MLRA 149B) |
| Histic Er | bipedon (A2) | | MLRA 1498 |) | . , . | | ? Coast Prai | irie Redox (A16) (LRR K, L, R) |
| Black Hi | stic (A3) | | Thin Dark Surfa | , ace (S9) | (LRR R | MLRA | 149B) 5 cm Mucł | ky Peat or Peat (S3) (LRR K. L. R) |
| Hvdroge | n Sulfide (A4) | | High Chroma S | Sands (S | (LRF | , R K. L) | Polvvalue | Below Surface (S8) (LRR K. L) |
| Stratified | 11 avers (A5) | | X Loamy Mucky I | Mineral (| (F1) (I RI | RK.I) | Thin Dark | Surface (S9) (I RR K. I.) |
| | Helow Dark Surface | Δ11) | Loamy Gleved | Matrix (| (· ·) (_ F2) | , _/ | Iron-Mang | anese Masses (E12) ($\mathbf{IRR} \mathbf{K} \mathbf{I} \mathbf{R}$) |
| Thick D | a Below Bark Guilace | , (,, , , , , , , , , , , , , , , , , , | Depleted Matrix | | 12) | | Riodmont | Eloodplain Soils (E10) (MI BA 140B) |
| | Ark Sullace (A12) | | Depleted Math | х (го) таас (г | (C) | | Pleumoni | |
| | | | | mace (F | (C) | | | Daic (1A6) (MLRA 144A, 145, 149B) |
| Sandy G | eleyed Matrix (S4) | | Depleted Dark | Surface | (⊢7) | | Red Parer | nt Material (F21) |
| Sandy R | ledox (S5) | | Redox Depress | sions (F8 | 3) | | Very Shall | ow Dark Surface (F22) |
| Stripped | Matrix (S6) | | Marl (F10) (LR | R K, L) | | | Other (Exp | olain in Remarks) |
| Dark Su | rface (S7) | | | | | | | |
| ³ Indicators o | f hydrophytic vegetat | ion and v | vetland hydrology mu | ist be pr | esent, ur | nless dis | turbed or problematic. | |
| Restrictive | Layer (if observed): | | | | | | | |
| Type: | | | | | | | | |
| Depth (ii | nches): | | | | | | Hydric Soil Present | ? Yes_X_No |
| Remarks: | | | | | | | • | |
| This data for | m is revised from No | rthcentra | I and Northeast Regi | onal Su | pplement | t Versior | 2.0 to include the NRCS | S Field Indicators of Hydric Soils, |
| Version 7.0, | 2015 Errata. (http://w | ww.nrcs | .usda.gov/Internet/FS | SE_DOC | UMENT | S/nrcs14 | 12p2_051293.docx) | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: S. You | ngs Rd | | | C | City/County: Amhers | t/ Erie | | Sampling Date: 8/ | 16/23 |
|-------------------------|----------|---------------------------|--------|------------------------|---------------------|-------------------------|-----------|----------------------|---------|
| Applicant/Owner: | Rod Iv | es, Napierala Consulti | ing | | | State: | NY | Sampling Point: | A-UP |
| Investigator(s): AL | | | | | Section, Tov | vnship, Range: 1 | own of | Amherst | |
| Landform (hillside, ter | race, et | c.): none | | Local rel | ief (concave, conve | k, none): <u>convex</u> | | Slope % | .:4 |
| Subregion (LRR or MI | _RA): | LRR L, MLRA 101 | Lat: | 42.946982 | Long: | -78.727484 | | Datum: NA | 4D83 |
| Soil Map Unit Name: | OvA | | | | | NWI classif | ication: | PFO1/SS1E | |
| Are climatic / hydrolog | gic cond | litions on the site typic | al for | this time of year? | Yes X | No | (If no, e | explain in Remarks.) | |
| Are Vegetation | , Soil | , or Hydrology | | significantly disturbe | d? Are "Norm | al Circumstance | s" pres | ent? Yes <u>X</u> N | o |
| Are Vegetation | , Soil | , or Hydrology | | naturally problemation | ? (If needed | , explain any ans | swers in | n Remarks.) | |
| SUMMARY OF F | INDIN | GS – Attach site | map | showing sampl | ing point locati | ons, transec | ts, im | portant features | s, etc. |

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

HYDROLOGY

| Wetland Hydrology Indica | tors: | | | | Secondary Indicators (min | imum of two required) | |
|-----------------------------|---------------------|----------------------|------------------------------|---------------------|-----------------------------|-----------------------|--|
| Primary Indicators (minimur | n of one is require | <u>ed; check all</u> | that apply) | | Surface Soil Cracks (E | 36) | |
| Surface Water (A1) | | Water- | Stained Leaves (B9) | | Drainage Patterns (B1 | 0) | |
| High Water Table (A2) | | Aquatio | c Fauna (B13) | | Moss Trim Lines (B16 | 5) | |
| Saturation (A3) | | Marl D | eposits (B15) | | Dry-Season Water Table (C2) | | |
| Water Marks (B1) | | Hydrog | gen Sulfide Odor (C1) | | Crayfish Burrows (C8) | | |
| Sediment Deposits (B2) |) | Oxidize | ed Rhizospheres on Living R | oots (C3) | Saturation Visible on A | Aerial Imagery (C9) | |
| Drift Deposits (B3) | | | Stunted or Stressed P | Plants (D1) | | | |
| Algal Mat or Crust (B4) | | Recent | ls (C6) | Geomorphic Position | (D2) | | |
| Iron Deposits (B5) | | Thin M | uck Surface (C7) | | Shallow Aquitard (D3) | | |
| Inundation Visible on A | erial Imagery (B7 |) Other (| (Explain in Remarks) | | Microtopographic Reli | ef (D4) | |
| Sparsely Vegetated Cor | ncave Surface (B | 8) | | | FAC-Neutral Test (D5 |) | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes | No X | Depth (inches): | | | | |
| Water Table Present? | Yes | No X | Depth (inches): | | | | |
| Saturation Present? | Yes | No X | Depth (inches): | Wetlar | nd Hydrology Present? | Yes No X | |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (st | ream gauge, mor | nitoring well, | aerial photos, previous insp | ections), if | available: | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |

VEGETATION – Use scientific names of plants.

Sampling Point: A-UP

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|---|---------------------|----------------------|---------------------|---|
| 1. Juglans nigra | 65 | Yes | FACU | Number of Dominant Species |
| 2 | | | | That Are OBL, FACW, or FAC:(A) |
| 3 | | | | Total Number of Dominant |
| 4 | | | | Species Across All Strata: 6 (B) |
| 5 | | | | Percent of Dominant Species |
| 6 | | | | That Are OBL, FACW, or FAC: <u>16.7%</u> (A/B) |
| 7 | | | | Prevalence Index worksheet: |
| | 65 | =Total Cover | | Total % Cover of: Multiply by: |
| Sapling/Shrub Stratum (Plot size: 15') | | | | OBL species x 1 = |
| 1. Rubus occidentalis | 30 | Yes | UPL | FACW species 0 x 2 = 0 |
| 2. Crataegus crus-galli | 15 | Yes | FAC | FAC species <u>15</u> x 3 = <u>45</u> |
| 3 | | | | FACU species <u>170</u> x 4 = <u>680</u> |
| 4 | | | | UPL species X 5 = 150 |
| 5 | | | | Column Totals: 215 (A) 875 (B) |
| 6 | | | | Prevalence Index = B/A = |
| 7 | | | | Hydrophytic Vegetation Indicators: |
| | 45 | =Total Cover | | 1 - Rapid Test for Hydrophytic Vegetation |
| Herb Stratum (Plot size: 5') | | | | 2 - Dominance Test is >50% |
| 1. Phleum pratense | 30 | Yes | FACU | 3 - Prevalence Index is ≤3.0 ¹ |
| 2. Poa pratensis | 50 | Yes | FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 3. Ageratina altissima | 25 | Yes | FACU | data in Remarks of on a separate sheet) |
| 4 | | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 5 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 6 | | | | be present, unless disturbed or problematic. |
| 7 | | | | Definitions of Vegetation Strata: |
| 8 | | | | Tree – Woody plants 3 in. (7.6 cm) or more in |
| 9 | | | | diameter at breast height (DBH), regardless of height. |
| 10 | | | | Sapling/shrub – Woody plants less than 3 in. DBH |
| 11 | | | | and greater than or equal to 3.28 ft (1 m) tall. |
| 12 | | | | Herb – All herbaceous (non-woody) plants, regardless |
| | 105 | =Total Cover | | of size, and woody plants less than 3.28 ft tall. |
| Woody Vine Stratum (Plot size: 15') | | | | Woody vines – All woody vines greater than 3.28 ft in |
| 1 | | | | height. |
| 2 | | | | Underschafte. |
| 3 | | | | Hydropnytic Vegetation |
| 4 | | | | Present? Yes No X |
| | | =Total Cover | | |
| Remarks: (Include photo numbers here or on a sepa | rate sheet.) | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Depth Matrix Redox Features (inches) Color (moist) % Type Loc ² Texture Remarks 0-15 10YR 3/2 100 | Depth Matrix Redox Features (inches) Color (moist) % Type Loc Texture Remarks 0-15 10YR 3/2 100 Sandy Sandy Sandy 15-18 7.5YR 5/8 00 Sandy Sandy | Profile Desc | cription: (Describe | to the dep | oth needed to docu | ument tl | he indica | ator or co | onfirm the absence of indi | cators.) |
|---|---|------------------------|-----------------------|-------------|------------------------|-----------|-------------------|------------------|------------------------------|--|
| (inches) Color (moist) % Color (moist) % Type' Loc* Texture Remarks 0-15 10YR 3/2 100 Loamy/Clayey Loamy/Clayey Loamy/Clayey 15-18 7.5YR 5/8 100 Sandy Sandy Loamy/Clayey | (inches) Color (moist) % Color (moist) % Type Loc* Texture Remarks 0-15 10VR 3/2 100 | Depth | Matrix | · | Redo | x Featur | res | | | |
| 0-15 10YR 3/2 100 Loamy/Clayey 15-18 7.5YR 5/8 100 Sandy | 0-15 10YR 3/2 100 | (inches) | Color (moist) | % | Color (moist) | % | Type | Loc ² | Texture | Remarks |
| 15-18 7.5YR 5/8 100 | 15-18 7.5YR 5/8 100 | 0-15 | 10YR 3/2 | 100 | | | · | | Loamy/Clayey | |
| Image: Second | *Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: | 15-18 | 7.5YR 5/8 | 100 | | | | | Sandy | |
| Image: Solution of the second state | Image: Section in the section is the section in th | | | | | | | | | |
| *Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils*: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Hydrogen Sulfide (A2) MLRA 1498) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L, R, K, L) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Tinin Dark Surface (S8) (LRR K, L) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) | Image: | | | · · | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | Image: | | | · · | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Coast Praine Redox (A16) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Solf (S6) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stratified Layers (A7) Beater Material (F10) (LRR K, L) Other (Explain in Remarks) Sandy Redox (S5) Marl (F10) (LRR K, L) Other (Explain in Remarks) Sandy Redox (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dar | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Statified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Thin Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Redox Dark Surface (F5) Sandy Redox (S5) Redox Depressions (F8) Sandy Redox (S5) Matri (F10) (LRR K, L) Dark Surface (S7) Red Parent Material (F21) Sandy Redox (S5) Matri (F10) (LRR K, L) Dark Surface (S7) Red Parent Material (F21) Shardy Redox (S5) Matri (F10) (LRR K, L) Dark Surface (S7) Redox Depressions (F8) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Depth (inchees): Hydric Soil Present? Yes No_X | | | · | | | . <u> </u> | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 1498) Black Histic (A3) Thin Dark Surface (S9) (LRR K, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Think Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mecky Mineral (S1) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) Mart (F10) (LRR K, L) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stratfice Layer (if observed): Type: Dapth (inches): Mark (F10) (LRR K, L) Bindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Reemarks: This Dark Strate (Tor Northcentral and Northeeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Hydric Soils (Hydric Soils (Hydric Soils, Hydric Soil, Hydric Soils, Hydric | | | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Think Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | Image: | | | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Third Caters of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) Sandy Cleyet (If observed): Type: | | · | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, L) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F2) Thick Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Medox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Thin Remarks) Dark Surface (S7) Ted Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) The Parent Material (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Ted parent Material (F22) | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histic Epipedon (A2) MLRA 149B) Black Histic (A3) | | | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, L) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Think Dark Surface (A12) Depleted Matrix (F3) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Dark Surface (F7) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Redox Dark Surface (F7) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Marl (F10) (LRR K, L) Other (Explain in Remarks) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Thin Dark Surface (S7) Red Parent Material (F21) Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless | ¹ Type: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Bydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Hydric Soil Present? Yes_No_X | | | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (S7) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Marl (F10) (LRR K, L) Thin cate of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Jark Surface (S7) Marl (F10) (LRR K, L) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Depth (inches): Hydric Soil Present? Yes No No X | | | | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Theremarks Other (Explain in Remarks) ************************************ | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S6) Matrix (F10) (LRR K, L) Dark Surface (S7) Mari (F10) (LRR K, L) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Yes Type: Depth (inches): Depth (inches): Hydrology must be present, unless disturbed or problematic. | | | , | | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Trion-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1449, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky (A10) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loarny Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, L) Thick Dark Surface (A12) Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F) Thick Dark Surface (A12) Depleted Dalve Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149I Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Type: | | | | | | . <u> </u> | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histic Spipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Thick Dark Surface (A12) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Marl (F10) (LRR K, L) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Other (Explain in Remarks) | ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144, 145, 149) Sandy Mucky Mineral (S1) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Type: Depth (inches): No * Type: Depth (inches): No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | | | | | | | | | |
| Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1445, 145, 1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Thick Dark Surface (S5) Redox Dark Surface (F7) Measic Spodic (TA6) (MLRA 144A, 145, 149I) Sandy Mucky Mineral (S1) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Yes No Remarks: This data form is revised from Northcentral and Northeeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, No X | ¹ Type: C=C | oncentration, D=Dep | letion, RM | =Reduced Matrix, N | √S=Mas | ked Sanc | d Grains. | ² Location: PL=Po | re Lining, M=Matrix. |
| Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 1498) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1444, 145, 14) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 14) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | | Hydric Soil | Indicators: | <u> </u> | · · · | | | | Indicators for Pro | oblematic Hydric Soils ³ : |
| Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Thin Remarks) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 145, 1491 Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Yes No Type: | Histosol | (A1) | | Polyvalue Belc | ow Surfa | ıce (S8) (I | LRR R, | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 14) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 14) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Thin Remarks) Thin Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Histic Ep | pipedon (A2) | | MLRA 149B | 6) | | | Coast Prairie | Redox (A16) (LRR K, L, R) |
| Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145 | Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Bark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. No _ X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Black Hi | istic (A3) | | Thin Dark Surf | ace (S9) |) (LRR R | , MLRA 1 | 149B) 5 cm Mucky F | Peat or Peat (S3) (LRR K, L, R) |
| Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 14) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) ************************************ | Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1445, 149) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jandicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Hydroge | en Sulfide (A4) | | High Chroma S | Sands (S | 311) (LRF | ₹ K, L) | Polyvalue Bel | ow Surface (S8) (LRR K, L) |
| Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, I Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145 | Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Very Shallow Dark Surface Type: | Stratified | d Layers (A5) | - | Loamy Mucky | Mineral | (F1) (LRI | R K, L) | Thin Dark Sur | face (S9) (LRR K, L) |
| Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Depleter | d Below Dark Surface | ə (A11) | Loamy Gleyed | Matrix (| (F2) | | Iron-Mangane | se Masses (F12) (LRR K, L, R) |
| Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Thick Da | ark Surface (A12) | | Depleted Matri | x (F3) | | | Piedmont Floo | odplain Soils (F19) (MLRA 149B |
| Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Sandy M | /lucky Mineral (S1) | | Redox Dark Su | urface (F | - 6) | | Mesic Spodic | (TA6) (MLRA 144A, 145, 149B) |
| Sandy Redox (S5)Redox Depressions (F8)Very Shallow Dark Surface (F22)Other (Explain in Remarks)Other (Explain in Remarks)Other (Explain in Remarks)Other (Explain in Remarks) | Sandy Redox (S5)Redox Depressions (F8)Very Shallow Dark Surface (F22)Other (Explain in Remarks)Other (Explain in Remarks) | Sandy C | Eleyed Matrix (S4) | | Depleted Dark | Surface | ∍ (F7) | | Red Parent M | aterial (F21) |
| Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) | Sandy R | Redox (S5) | | Redox Depress | sions (F | 8) | | Very Shallow | Dark Surface (F22) |
| Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Stripped | l Matrix (S6) | | Marl (F10) (LR | R K, L) | | | Other (Explain | n in Remarks) |
| ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Hydric Soil Present? Yes NoX Depth (inches): | Dark Su | rface (S7) | | | | | | | |
| "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: | "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | 2 | | | | | | | | |
| Type: | Restrictive Layer (if observed): Type: Hydric Soil Present? Yes No X Depth (inches): | Indicators o | f hydrophytic vegetat | tion and we | etland hydrology mu | ust be pr | resent, ur | iless dist | urbed or problematic. | |
| Туре. | Type. Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Tupo | Layer (if observed): | | | | | | | |
| | Depth (inches): Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Type. | | | | | | | | . |
| Depth (inches): No | Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, | Depth (II | nches): | | | | | | Hydric Soil Present? | Yes <u>No X</u> |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |
| Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) | | | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: S. You | ngs Rd | | | (| City/County: Amhers | t/ Erie | | Sampling Date: 8/ | 16/23 |
|-------------------------|----------|---------------------------|--------|------------------------|----------------------|-------------------------|-----------|----------------------|---------|
| Applicant/Owner: | Rod Iv | es, Napierala Consult | ing | | | State: | NY | Sampling Point: | UP-1 |
| Investigator(s): AL | | | | | Section, Tov | vnship, Range: | Town of | Amherst | |
| Landform (hillside, ter | race, et | c.): none | | Local re | lief (concave, conve | k, none): <u>convex</u> | | Slope % | 6:6 |
| Subregion (LRR or MI | LRA): | LRR L, MLRA 101 | Lat: | 42.948128 | Long: | -78.725845 | | Datum: N | AD83 |
| Soil Map Unit Name: | CgB | | | | | NWI classif | ication: | N/A | |
| Are climatic / hydrolog | gic cond | litions on the site typic | al for | this time of year? | Yes X | No | (If no, e | explain in Remarks.) | |
| Are Vegetation | , Soil | , or Hydrology | | significantly disturbe | ed? Are "Norm | al Circumstance | es" prese | ent? Yes <u>X</u> N | lo |
| Are Vegetation | , Soil | , or Hydrology | | naturally problemation | c? (If needed | , explain any ans | swers in | Remarks.) | |
| SUMMARY OF F | INDIN | GS – Attach site | map | showing samp | ling point locati | ons, transec | ts, im | portant feature | s, etc. |

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

HYDROLOGY

| Wetland Hydrology Indicators: | | | Secondary Indicators (mini | imum of two required) | | |
|--|---|--------------------------------------|---|-----------------------|--|--|
| Primary Indicators (minimum of one is requ | ired; check all that apply) | | Surface Soil Cracks (E | 36) | | |
| Surface Water (A1) | Water-Stained Leaves (B9) | | Drainage Patterns (B1 | 0) | | |
| High Water Table (A2) | Aquatic Fauna (B13) | | Moss Trim Lines (B16) |) | | |
| Saturation (A3) | Marl Deposits (B15) | | Dry-Season Water Tal | ble (C2) | | |
| Water Marks (B1) | Hydrogen Sulfide Odor (C1) | | Crayfish Burrows (C8) | | | |
| Sediment Deposits (B2) | Oxidized Rhizospheres on Living Re | oots (C3) | Saturation Visible on Aerial Imagery (C9) | | | |
| Drift Deposits (B3) | Presence of Reduced Iron (C4) | (C4) Stunted or Stressed Plants (D1) | | | | |
| Algal Mat or Crust (B4) | Recent Iron Reduction in Tilled Soil | s (C6) | Geomorphic Position (| (D2) | | |
| Iron Deposits (B5) | Shallow Aquitard (D3) | | | | | |
| Inundation Visible on Aerial Imagery (E | 7) Other (Explain in Remarks) | | Microtopographic Relie | ef (D4) | | |
| Sparsely Vegetated Concave Surface | (B8) | | FAC-Neutral Test (D5) |) | | |
| Field Observations: | | | | | | |
| Surface Water Present? Yes | No X Depth (inches): | | | | | |
| Water Table Present? Yes | No X Depth (inches): | | | | | |
| | No V Donth (inchoo): | Watlan | d Hydrology Present? | Yes No X | | |
| Saturation Present? Yes | 10^{10} 10 Depth (inches). | wellan | a nyarology i resent: | | | |
| (includes capillary fringe) | No X Deptil (inches). | wellan | a nyarology i resent : | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks: | onitoring well, aerial photos, previous inspe | ections), if a | available: | | | |

VEGETATION – Use scientific names of plants.

Sampling Point: UP-1

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|--|---------------------|----------------------|---------------------|---|
| 1 | 65 | Yes | | Number of Dominant Species |
| 2 | | | | That Are OBL, FACW, or FAC:0 (A) |
| 3 4 | | | | Total Number of Dominant Species Across All Strata: 5 (B) |
| 5. | | | | Percent of Dominant Species |
| 6 | | | | That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 7 | | | | Prevalence Index worksheet: |
| | 65 | =Total Cover | | Total % Cover of: Multiply by: |
| Sapling/Shrub Stratum (Plot size: 15') | | | | OBL species 0 x 1 = 0 |
| 1. Lonicera morrowii | 3 | No | FACU | FACW species 0 x 2 = 0 |
| 2 | | | | FAC species 0 x 3 = 0 |
| 3 | | | | FACU species 53 x 4 = 212 |
| 4 | | | | UPL species 60 x 5 = 300 |
| 5 | | | | Column Totals: 113 (A) 512 (B) |
| 6 | | | | Prevalence Index = B/A = 4.53 |
| 7 | | | | Hydrophytic Vegetation Indicators: |
| | 3 | =Total Cover | | 1 - Rapid Test for Hydrophytic Vegetation |
| Herb Stratum (Plot size: 5') | | | | 2 - Dominance Test is >50% |
| 1. Phleum pratense | 25 | Yes | FACU | 3 - Prevalence Index is ≤3.0 ¹ |
| 2. Cirsium discolor | 35 | Yes | UPL | 4 - Morphological Adaptations ¹ (Provide supporting |
| 3. Cynanchum nigrum | 25 | Yes | UPL | data in Remarks or on a separate sheet) |
| 4. Poa pratensis | 25 | Yes | FACU | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 5 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 6 | | | | be present, unless disturbed or problematic. |
| 7 | | | | Definitions of Vegetation Strata: |
| 8 | | | | Tree – Woody plants 3 in (7.6 cm) or more in |
| 9 | | | | diameter at breast height (DBH), regardless of height. |
| 10 | | | | Sanling/shrub – Woody plants less than 3 in DBH |
| 11 | | | | and greater than or equal to 3.28 ft (1 m) tall. |
| 12 | | | | Herb – All herbaceous (non-woody) plants, regardless |
| | 110 | =Total Cover | | of size, and woody plants less than 3.28 ft tall. |
| Woody Vine Stratum (Plot size: 15') | | | | Woody vines – All woody vines greater than 3.28 ft in |
| 1 | | | | height. |
| 2 | | | | Hydrophytic |
| 3 | | | | Vegetation |
| 4 | | | | Present? Yes <u>No X</u> |
| | | =Total Cover | | |
| Remarks: (Include photo numbers here or on a separ | ate sheet.) | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Depth | Matriv | to the dep | Redo | unient ti v Featur | | | | or marcat | 015.) | |
|----------------------------|------------------------|------------|--------------------|-----------------------|-------------------|------------|---|-------------|---------------------|-------------------------|
| (inches) | Color (moist) | % | Color (moist) | % 1 eatur | Type ¹ | \log^2 | Texture | | Rema | arks |
| | | | | // | 1990 | 200 | | | rtome | |
| 0-18 | 10YR 3/2 | 100 | | | | | Loamy/Clayey | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| ¹ Type: C=Co | oncentration, D=Depl | etion, RM= | Reduced Matrix, N | MS=Mas | ked Sand | Grains. | ² Location: | PL=Pore I | _ining, M=M | atrix. |
| Hydric Soil I | ndicators: | | | | | | Indicators | for Proble | ematic Hydi | ric Soils³: |
| Histosol | (A1) | _ | Polyvalue Belo | ow Surfa | ce (S8) (I | LRR R, | 2 cm N | luck (A10) | (LRR K, L, | MLRA 149B) |
| Histic Ep | ipedon (A2) | - | MLRA 149E | B) | | | Coast I | Prairie Red | dox (A16) (L | .RR K, L, R) |
| Black His | stic (A3) | | Thin Dark Sur | face (S9) |) (LRR R | , MLRA 1 | 149B) 5 cm N | lucky Pea | t or Peat (S3 | B) (LRR K, L, R) |
| Hydroge | n Sulfide (A4) | - | High Chroma | Sands (S | 611) (LRF | R K, L) | Polyval | ue Below | Surface (S8 |) (LRR K, L) |
| Stratified | l Layers (A5) | - | Loamy Mucky | Mineral | (F1) (LRI | R K, L) | Thin Da | ark Surfac | e (S9) (LRR | K, L) |
| Depleted | Below Dark Surface | e (A11) | Loamy Gleyed | l Matrix (| F2) | | Iron-Ma | anganese | Masses (F1 | 2) (LRR K, L, R |
| Thick Da | rk Surface (A12) | - | Depleted Matr | ix (F3) | | | Piedmo | ont Floodp | lain Soils (F | 19) (MLRA 149 |
| Sandy M | lucky Mineral (S1) | - | Redox Dark S | urface (F | ⁻ 6) | | Mesic | Spodic (TA | A6) (MLRA 1 | 144A, 145, 149B |
| Sandy G | leyed Matrix (S4) | - | Depleted Dark | Surface | e (F7) | | Red Pa | arent Mate | rial (F21) | |
| Sandy R | edox (S5) | - | Redox Depres | sions (F | 8) | | Very S | hallow Dai | rk Surface (F | -22) |
| Stripped | Matrix (S6) | - | Marl (F10) (LR | R K, L) | | | Other (| Explain in | Remarks) | |
| Dark Sur | face (S7) | - | | | | | | | | |
| | | | | | | | | | | |
| ³ Indicators of | hydrophytic vegetat | ion and we | tland hydrology m | ust be pr | resent, ur | nless dist | urbed or problematic | | | |
| Restrictive L | ayer (if observed): | | | | | | | | | |
| Type: | | | | | | | | | | |
| Depth (ir | nches): | | | | | | Hvdric Soil Prese | ent? | Yes | No X |
| | , | | | | | | | | | |
| Remarks: | m in rovined from No | rthoontrol | and Northagat Bag | ional Su | nnlomon | Voreion | 2.0 to include the NE | | Indiantara a | f Uvdria Saila |
| Version 7.0 | 2015 Frrata, (http://w | | sda.gov/Internet/F | SF DOC | | S/nrcs14 | 2.0 to include the Nr 2p2_051293.docx) | | | r Hyunc Solis, |
| , | | | <u>.</u> | | | | 1, | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: S. You | ngs Rd | | | (| City/County: Amhers | t/ Erie | | Sampling Date: 8/ | 16/23 |
|-------------------------|----------|---------------------------|--------|------------------------|----------------------|-------------------------|-----------|----------------------|---------|
| Applicant/Owner: | Rod Iv | es, Napierala Consulti | ing | | | State: | NY | Sampling Point: | UP-2 |
| Investigator(s): AL | | | | | Section, Tow | /nship, Range: <u>1</u> | Town of | Amherst | |
| Landform (hillside, ter | race, et | c.): none | | Local re | lief (concave, conve | (, none): <u>convex</u> | | Slope % | 6: 5 |
| Subregion (LRR or MI | _RA): | LRR L, MLRA 101 | Lat: | 42.948536 | Long: | -78.728870 | | Datum: N | AD83 |
| Soil Map Unit Name: | OvA | | | | | NWI classif | ication: | N/A | |
| Are climatic / hydrolog | gic cond | litions on the site typic | al for | this time of year? | Yes X | No | (If no, e | explain in Remarks.) | |
| Are Vegetation | , Soil | , or Hydrology | | significantly disturbe | d? Are "Norm | al Circumstance | es" prese | ent? Yes <u>X</u> N | lo |
| Are Vegetation | , Soil | , or Hydrology | | naturally problemation | c? (If needed | , explain any ans | swers in | Remarks.) | |
| SUMMARY OF F | INDIN | GS – Attach site | map | showing samp | ling point locati | ons, transec | ts, im | portant feature | s, etc. |

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

HYDROLOGY

| Wetland Hydrology Indica | tors: | | | | Secondary Indicators (min | nimum of two requi | red) |
|-----------------------------|-----------------------|----------------------|--------------------------------|--------------|-----------------------------|--------------------|----------------|
| Primary Indicators (minimur | n of one is require | <u>ed; check all</u> | that apply) | | Surface Soil Cracks (I | B6) | |
| Surface Water (A1) | | Water- | Stained Leaves (B9) | | Drainage Patterns (B1 | 10) | |
| High Water Table (A2) | | Aquatio | c Fauna (B13) | | Moss Trim Lines (B16 | 6) | |
| Saturation (A3) | | Marl De | eposits (B15) | | Dry-Season Water Table (C2) | | |
| Water Marks (B1) | | Hydrog | en Sulfide Odor (C1) | | Crayfish Burrows (C8) |) | |
| Sediment Deposits (B2) |) | Oxidize | ed Rhizospheres on Living R | oots (C3) | Saturation Visible on | Aerial Imagery (CS |)) |
| Drift Deposits (B3) | | Presen | ce of Reduced Iron (C4) | | Stunted or Stressed F | Plants (D1) | |
| Algal Mat or Crust (B4) | | Recent | t Iron Reduction in Tilled Soi | ls (C6) | Geomorphic Position | (D2) | |
| Iron Deposits (B5) | Shallow Aquitard (D3) |) | | | | | |
| Inundation Visible on A | erial Imagery (B7 |) Other (| Explain in Remarks) | | Microtopographic Reli | ief (D4) | |
| Sparsely Vegetated Cor | ncave Surface (B | 8) | | | FAC-Neutral Test (D5 | 5) | |
| Field Observations: | | | | | | | |
| Surface Water Present? | Yes | No X | Depth (inches): | | | | |
| Water Table Present? | Yes | No X | Depth (inches): | | | | |
| Saturation Present? | Yes | No X | Depth (inches): | Wetlar | nd Hydrology Present? | Yes N | οX |
| (includes capillary fringe) | | | | | | | |
| Describe Recorded Data (st | ream gauge, mor | nitoring well, | aerial photos, previous insp | ections), if | available: | | |
| | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |
| Remarks: | | | | | | | |

VEGETATION – Use scientific names of plants.

Sampling Point: UP-2

| 1. Juglans nigra 75 Yes FACU Number of Dominant Species 2. | (A) (B) <u>% (</u> A/B) |
|---|-------------------------------|
| 2. | (A) (B) <u>%</u> (A/B) |
| 3. | (B) |
| 4 Species Across All Strata: | (B) <u>% (</u> A/B) |
| 5 | <u>% (</u> A/B) |
| 3 Percent of Dominant Species | % (A/B) |
| 6 That Are OBL, FACW, or FAC:0.0 | |
| 7 Prevalence Index worksheet: | |
| 75 =Total Cover Total % Cover of: Multip | ly by: |
| Sapling/Shrub Stratum (Plot size: 15') OBL species 0 x 1 = | 0 |
| 1. Rubus occidentalis 50 Yes UPL FACW species 0 x 2 = | 0 |
| 2 FAC species x 3 = | 0 |
| 3. FACU species 180 x 4 = | 720 |
| 4 UPL species x 5 = | 250 |
| 5 Column Totals: 230 (A) | 970 (B) |
| 6 Prevalence Index = B/A = | 4.22 |
| 7. Hydrophytic Vegetation Indicators: | |
| 50 =Total Cover 1 - Rapid Test for Hydrophytic Vegeta | ation |
| Herb Stratum (Plot size: 5') 2 - Dominance Test is >50% | |
| 1. Phleum pratense 30 Yes FACU 3 - Prevalence Index is ≤3.0 ¹ | |
| 2. Poa pratensis 55 Yes FACU 4 - Morphological Adaptations ¹ (Provi | de supporting |
| 3. <u>Ageratina altissima</u> 20 No FACU data in Remarks or on a separate | sheet) |
| 4 Problematic Hydrophytic Vegetation ¹ | (Explain) |
| 5 ¹ Indicators of bydric soil and wetland bydr | ology must |
| 6 be present, unless disturbed or problema | tic. |
| 7 Definitions of Vegetation Strata: | |
| 8 Tree – Woody plants 3 in. (7.6 cm) or mo | re in |
| 9 diameter at breast height (DBH), regardle | ss of height. |
| 10 Sapling/shrub – Woody plants less than | 3 in. DBH |
| 11 and greater than or equal to 3.28 ft (1 m) | tall. |
| 12 Herb – All herbaceous (non-woody) plant | s. regardless |
| 105 =Total Cover of size, and woody plants less than 3.28 f | t tall. |
| Woody Vine Stratum (Plot size: 15') Woody vines – All woody vines greater t | han 3.28 ft in |
| 1 height. | |
| 2 | |
| 3 Hydrophytic | |
| 4 Present? Yes No _X | |
| =Total Cover | |
| Remarks: (Include photo numbers here or on a separate sheet.) | |
| | |
| | |
| | |
| | |
| | |
| | |

| Profile Desc | ription: (Describe | to the de | pth needed to docu | ument t | he indica | tor or co | onfirm the absence of | indicators.) | | |
|----------------------------|------------------------|---------------------------------------|---|-----------|---|--|---|--|--|--|
| Depth | Matrix | | Redo | x Featur | res | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks | | |
| 0-15 | 10YR 3/2 | 100 | | | | | Loamy/Clayey | | | |
| 15-18 | 7.5YR 5/8 | 100 | | | | | Sandy | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | letion RM | | 96M21 | ked Sand | Grains | ² Location: PL | -Pore Lining M-Matrix | | |
| Hvdric Soil | Indicators: | | | 10-11/103 | Keu Gant | i Orains. | Indicators for | r Problematic Hydric Soils ³ : | | |
| Histosol | (A1) | | Polyvalue Belo | w Surfa | ce (S8) (I | LRR R, | 2 cm Muc | k (A10) (LRR K, L, MLRA 149B) | | |
| Histic Ep | pipedon (A2) | | MLRA 149B |) | | | Coast Pra | airie Redox (A16) (LRR K, L, R) | | |
| Black Hi | stic (A3) | Thin Dark Surface (S9) (LRR R, MLRA 1 | | | | 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) | | | | |
| Hvdroge | High Chroma S | Sands (S | , (511) (LRF | R K. L) | Polyvalue Below Surface (S8) (LRR K, L) | | | | | |
| Stratified | Lavers (A5) | | Loamv Muckv | Mineral | (F1) (LRI | R K. L) | Thin Dark Surface (S9) (LRR K, L) | | | |
| Depleter | Below Dark Surface | e (A11) | Loamy Gleved | Matrix (| (F2) | ,, | Iron-Manganese Masses (F12) (LRR K, L, R) | | | |
| Thick Da | ark Surface (A12) | | Depleted Matri | x (E3) | / | | Piedmont | Eloodplain Soils (E19) (MI RA 149B) | | |
| Sandy M | lucky Mineral (S1) | | Bedox Dark Si | rface (F | -6) | | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) | | | |
| Candy IV | leved Matrix (S4) | | Nedex Bark et | Surface | (F7) | | Red Parent Material (F21) | | | |
| Sandy B | | | Bedox Depressions (F8) | | | | Very Shallow Dark Surface (E22) | | | |
| Sandy R | | | Redux Depress | | 0) | | | now Dark Sunace (F22) | | |
| Stripped | Matrix (S6) | | Mari (F10) (LR | R K, L) | | | Other (Ex | plain in Remarks) | | |
| | | | | | | | | | | |
| ³ Indicators of | f hydrophytic vegetat | ion and w | etland hydrology mu | ıst be pı | resent, ur | nless dist | urbed or problematic. | | | |
| Restrictive I | Layer (if observed): | | , | · | | | · | | | |
| Type: | | | | | | | | | | |
| Depth (ir | nches): | | | | | | Hydric Soil Present | t? Yes No X | | |
| Remarks: | | | | | | | | | | |
| This data for | m is revised from No | orthcentral | and Northeast Regi | ional Su | pplemen | Version | 2.0 to include the NRC | S Field Indicators of Hydric Soils, | | |
| Version 7.0, | 2015 Errata. (http://v | ww.nrcs. | usda.gov/Internet/FS | SE_DOO | CUMENT | S/nrcs14 | 2p2_051293.docx) | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: S. Youngs Rd | | | | | City/County: Amhers | | Sampling Date: 8/16/23 | | |
|----------------------------|----------|--------------------------|--------|------------------------|----------------------|-------------------------|------------------------|----------------------|---------|
| Applicant/Owner: | Rod Iv | es, Napierala Consulti | ng | | | State: | NY | Sampling Point: | UP-3 |
| Investigator(s): AL | | | | | Section, Tov | vnship, Range: | Town of | Amherst | |
| Landform (hillside, ter | race, et | c.): none | | Local re | lief (concave, conve | k, none): <u>convex</u> | (| Slope % | 6: 6 |
| Subregion (LRR or MI | _RA): | LRR L, MLRA 101 | Lat: | 42.946581 | Long: | -78.726542 | | Datum: N | AD83 |
| Soil Map Unit Name: | OvA | | | | | NWI classif | fication: | N/A | |
| Are climatic / hydrolog | gic cond | itions on the site typic | al for | this time of year? | Yes X | No | (lf no, e | explain in Remarks.) | |
| Are Vegetation | , Soil | , or Hydrology | | significantly disturbe | ed? Are "Norm | al Circumstance | es" prese | ent? Yes <u>X</u> N | lo |
| Are Vegetation | , Soil | , or Hydrology | | naturally problemation | c? (If needed | , explain any an | swers in | Remarks.) | |
| SUMMARY OF F | INDIN | GS – Attach site | map | showing samp | ling point locati | ons, transed | cts, im | portant feature | s, etc. |

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

HYDROLOGY

| Wetland Hydrology Indicators: | Secondary Indicators (min | imum of two required) | | | | |
|---|---|-----------------------|---|------------------------------|--|--|
| Primary Indicators (minimum of one is req | 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 Ta | Dry-Season Water Table (C2) | | |
| Water Marks (B1) | Hydrogen Sulfide Odor (C1) | | Crayfish Burrows (C8) | | | |
| Sediment Deposits (B2) | Oxidized Rhizospheres on Living Ro | oots (C3) | Saturation Visible on Aerial Imagery (C9) | | | |
| Drift Deposits (B3) | Presence of Reduced Iron (C4) | | Stunted or Stressed Plants (D1) | | | |
| Algal Mat or Crust (B4) | Recent Iron Reduction in Tilled Soils | s (C6) | Geomorphic Position | (D2) | | |
| Iron Deposits (B5) | Thin Muck Surface (C7) | | Shallow Aquitard (D3) | Shallow Aquitard (D3) | | |
| Inundation Visible on Aerial Imagery (| 37) Other (Explain in Remarks) | | Microtopographic Reli | Microtopographic Relief (D4) | | |
| Sparsely Vegetated Concave Surface | (B8) | | FAC-Neutral Test (D5 | FAC-Neutral Test (D5) | | |
| Field Observations: | | | | | | |
| Surface Water Present? Yes | No X Depth (inches): | | | | | |
| Water Table Present? Yes | No X Depth (inches): | | | | | |
| Saturation Present? Yes | No X Depth (inches): | Wetlan | nd Hydrology Present? | Yes No X | | |
| (includes capillary fringe) | | | | | | |
| Describe Recorded Data (stream gauge, n | onitoring well, aerial photos, previous inspe | ections), if | available: | | | |
| | | | | | | |
| Remarks: | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

VEGETATION – Use scientific names of plants.

Sampling Point: UP-3

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|--|---------------------|----------------------|---------------------|---|
| 1. Juqlans nigra | 60 | Yes | FACU | |
| 2. Acer negundo | 20 | Yes | FAC | Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) |
| 3. | | | | Total Number of Dominant |
| 4. | | | | Species Across All Strata: 6 (B) |
| 5. | | | | Percent of Dominant Species |
| 6. | | | | That Are OBL, FACW, or FAC: <u>16.7%</u> (A/B) |
| 7. | | | | Prevalence Index worksheet: |
| | 80 | =Total Cover | | Total % Cover of: Multiply by: |
| Sapling/Shrub Stratum (Plot size: 15') | | | | OBL species 0 x 1 = 0 |
| 1. Rubus occidentalis | 55 | Yes | UPL | FACW species 0 x 2 = 0 |
| 2 | | | | FAC species 20 x 3 = 60 |
| 3 | | | | FACU species 130 x 4 = 520 |
| 4 | | | | UPL species 90 x 5 = 450 |
| 5 | | | | Column Totals: 240 (A) 1030 (B) |
| 6 | | | | Prevalence Index = B/A =4.29 |
| 7 | | | | Hydrophytic Vegetation Indicators: |
| | 55 | =Total Cover | | 1 - Rapid Test for Hydrophytic Vegetation |
| Herb Stratum (Plot size: 5') | | | | 2 - Dominance Test is >50% |
| 1. Phleum pratense | 15 | No | FACU | 3 - Prevalence Index is ≤3.0 ¹ |
| 2. Poa pratensis | 30 | Yes | FACU | 4 - Morphological Adaptations ¹ (Provide supporting |
| 3. Ageratina altissima | 25 | Yes | FACU | data in Remarks of on a separate sneet) |
| 4. Cynanchum nigrum | 35 | Yes | UPL | Problematic Hydrophytic Vegetation ¹ (Explain) |
| 5 | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 6 | | | | be present, unless disturbed or problematic. |
| 7 | . <u> </u> | | | Definitions of Vegetation Strata: |
| 8 | | | | Tree – Woody plants 3 in. (7.6 cm) or more in |
| 9 | | | | diameter at breast height (DBH), regardless of height. |
| 10 | | | | Sapling/shrub – Woody plants less than 3 in. DBH |
| 11 | | | | and greater than or equal to 3.28 ft (1 m) tall. |
| 12 | | | | Herb – All herbaceous (non-woody) plants, regardless |
| | 105 | = I otal Cover | | of size, and woody plants less than 3.28 ft tall. |
| Woody Vine Stratum (Plot size: 15') | | | | Woody vines – All woody vines greater than 3.28 ft in |
| 1 | | | | neight. |
| 2 | | | | Hydrophytic |
| 3 | | | | Vegetation |
| 4 | | Tatal Cause | | $\frac{\text{Present?}}{\text{No}} = \frac{\text{No}}{\text{No}} = \frac{1}{2}$ |
| | : | = I otal Cover | | |
| Remarks: (include photo numbers here or on a separ | rate sneet.) | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Profile Desc | ription: (Describe | to the de | pth needed to docu | ument t | he indica | tor or co | onfirm the absence of | indicators.) | | |
|-----------------|------------------------|---------------|----------------------------|---------------|---------------------------|---|--|---|--|--|
| Depth | Matrix | | Redo | x Featur | res | | | | | |
| (inches) | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | Texture | Remarks | | |
| 0-16 | 10YR 3/2 | 100 | | | | | Loamy/Clayey | | | |
| 16-18 | 7.5YR 5/8 | 100 | | | | | Sandy | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | . <u></u> | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | kod Sono | Croine | ² Location: DL | -Doro Lining M-Motrix | | |
| Hydric Soil | Indicators: | | | io=ivias | keu Sano | Grains. | Indicators for | Problematic Hydric Soils ³ | | |
| Histosol | (A1) | | Polyvalue Belo | w Surfa | | LRR R. | 2 cm Muc | k (A10) (LRR K, L, MLRA 149B) | | |
| Histic Er | bipedon (A2) | | |) | (/(| , | Coast Pra | irie Redox (A16) (LRR K. L. R) | | |
| Black Hi | stic (A3) | | Thin Dark Surf | , ace (S9) |) (LRR R | MLRA 1 | (49B) 5 cm Muc | ky Peat or Peat (S3) (LRR K. L. R) | | |
| Hydroge | n Sulfide (A4) | High Chroma S | Sands (S | S11) (I RE | 2 K I) | Polyvalue | Below Surface (S8) (IRR K I) | | | |
| Tryuroge | | | | Minoral | | , , , , , | Thin Dark Surface (SQ) (LRR K L) | | | |
| | I Layers (A3) | . (| | | (FI) (LKI (F2) | Υ Ν, Ε) | Iron-Manganese Masses (F12) (I RR K I R) | | | |
| | | e (ATT) | Loamy Gleyed | | (FZ) | | Piedmont Floodplain Soils (F19) (MI RA 1498) | | | |
| | ark Surface (A12) | | | x (F3) | | | Pleamont Floodplain Solis (F19) (MLRA 1498) Mosic Spedic (TA6) (MLRA 144A 145 1498) | | | |
| Sandy M | lucky Mineral (S1) | Redox Dark Su | Irface (F | -6) | | Mesic Spoalc (TA6) (MLRA 144A, 145, 149B) | | | | |
| Sandy G | leyed Matrix (S4) | | Depleted Dark Surface (F7) | | | | Red Parent Material (F21) | | | |
| Sandy R | edox (S5) | | Redox Depress | sions (F | 8) | | Very Shallow Dark Surface (F22) | | | |
| Stripped | Matrix (S6) | | Marl (F10) (LR | R K, L) | | | Other (Ex | plain in Remarks) | | |
| Dark Su | rface (S7) | | | | | | | | | |
| 3 mail and an a | 6 h | | | | | | unde and any manadal and attac | | | |
| Restrictive I | aver (if observed): | ion and w | etiand hydrology mu | ist be pi | resent, ur | liess dist | urbed of problematic. | | | |
| Type: | | | | | | | | | | |
| Depth (ir | nches): | | | | | | Hydric Soil Present | ? Yes No X | | |
| Remarks | | | | | | | | | | |
| This data for | m is revised from No | orthcentral | and Northeast Reg | ional Su | polemen | Version | 2.0 to include the NRC | S Field Indicators of Hydric Soils. | | |
| Version 7.0, | 2015 Errata. (http://v | ww.nrcs. | usda.gov/Internet/FS | SE DOO | CUMENT | S/nrcs14 | 2p2_051293.docx) | ,, | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |