

Attachment 13
Wetlands Report

Wetland Delineation Report

for

Westwood Country Club
772 North Forest Road

Town of Amherst
Erie County, New York

for

Mencsh Capital Partners, LLC



EARTH DIMENSIONS, INC.

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September 26, 2012
EDI Project Code: W1109b

**REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF**

Westwood Country Club

Prepared for Submission to

**U.S. ARMY CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207**

Prepared by

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DATE PREPARED

September 26, 2012

Project Code: W1109b

PROJECT INFORMATION

Project Name Westwood Country Club
Street Address 772 North Forest Road
SBL 68.01-1-1
Town Amherst
County Erie
State New York
Latitude/Longitude (NAD83) 42.99055 ° N, 78.77460 ° W
Investigation Area 171± Acres
USGS 7.5 Minute Topographical Map Buffalo NE Quadrangle
Consultant Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
Point of Contact Scott Livingstone
(716) 655-1717
Engineer N/A
Property Owner Forest Road Corporation
Waterway Ellicott Creek
Hydrologic Unit Code 04120104
Authority Section 404
Permit/ Letter Being Requested Jurisdictional Determination

ACKNOWLEDGMENTS

Mencsh Capital Partners, LLC has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study for the Westwood Country Club located in the Town of Amherst, County of Erie, and State of New York. EDI would like to thank Copy Market, Inc. for providing the duplicating and binding services.

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EXECUTIVE SUMMARY

Mencsh Capital Partners, LLC has proposed the development of a 171± acre site known as Westwood Country Club, in the Town of Amherst, County of Erie, and State of New York. Mencsh Capital Partners, LLC has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (Corps) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Article 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The USGS, NRCS and NWI maps indicate the potential for wetlands under federal jurisdiction.

EDI applied methodology specified by the *Corps of Engineers Wetlands Delineation Manual* (January 1987) and *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (October 2009) to perform a delineation of Federal jurisdictional wetlands within the site. EDI identified eleven (11) wetland, pond and creek areas totaling 7.417± acres and within the investigation area. The identification number of the wetlands, their acreage and boundary flags are as follows:

TABLE 1: Wetlands & Waterways Summary

| Wetland/Stream Identification # | Geographic Center (NAD83) | | Boundary Flags | Total Acreage On-Site/Linear feet | Wetland/Stream Type | Jurisdictional Determination |
|---------------------------------|---------------------------|----------|----------------------|-----------------------------------|-------------------------|------------------------------|
| | Longitude | Latitude | | | | |
| Wetland 1 | 78.77460 | 42.99055 | W1-1 through W1-9 | 0.309± | Hardwood Swamp (PFO) | Isolated |
| Wetland 2 | 78.77410 | 42.98904 | W2-1 through W2-6 | 0.229± | Scrub-Shrub Marsh (PSS) | Isolated |
| Wetland 3 | 78.77364 | 42.98960 | W3-1 through W3-19 | 0.601± | Open Water (OW) | Isolated |
| Wetland 4 | 78.77182 | 42.98920 | W4-1 through W4-12 | 1.02± | Open Water (OW) | Isolated |
| Wetland 5 | 78.77415 | 42.98770 | W5-1 through W5-22 | 0.660± | Hardwood Swamp (PFO) | Isolated |
| Wetland 6 | 78.77503 | 42.98676 | W6-1 through W6-14 | 0.915± | Open Water (OW) | Isolated |
| Wetland 7 | 78.77296 | 42.98952 | W7-1 through W7-4 | 0.052± | Emergent Marsh (PEM) | Isolated |
| Wetland 8 | 78.77297 | 42.98551 | W8-1 through W8-9 | 0.173± | Emergent Marsh (PEM) | Isolated |
| Wetland 9 | 78.77216 | 42.97896 | W9-1 through W9-12 | 0.160± | Open Water (OW) | Isolated |
| Wetland 10 | 78.77383 | 42.98394 | W10-1 through W10-6 | 0.058± | Hardwood Swamp (PFO) | Isolated |
| Wetland 11 | 78.76900 | 42.98599 | W11-1 through W11-45 | 3.24± | Riverine | Jurisdictional |
| Total Wetland Acreage: | | | | 7.417 ± | | |

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SECTION I

INTRODUCTION

Mencsh Capital Partners, LLC has proposed the development of a 171± acre parcel known as the Westwood Country Club in the Town of Amherst, County of Erie, and State of New York. The project has been given the name Westwood Country Club and is located on USGS 7.5 minute quadrangle map indexed as Buffalo NE/2002 DeLorme (Figure 1).

Mencsh Capital Partners, LLC has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study at this site. The investigation was designed to facilitate a determination of the extent of U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) jurisdiction over the project area pursuant to Section 404 of the Clean Water Act and Article 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

EDI has performed a wetland delineation study at the site under guidelines specified by the *Corps of Engineers Wetlands Delineation Manual*, dated January 1987 (referred to hereafter as the Corps Manual) and the *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (referred to hereafter as the Northcentral and Northeast Regional Supplement). The purpose of this report is to present EDI's methods, results, conclusions and recommendations with respect to the Westwood Country Club project site.

SECTION II

SITE DESCRIPTION

Westwood Country Club is comprised of an irregular shaped parcel adjacent to the west of North Forest Road. It is bound to the south by Sheridan Drive, and to the southwest by Frankhauser Road. Ellicott Creek flows along a portion of the eastern boundary. The investigation area has a total acreage of 171± acres and is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Attachment A (Figure 6).

The natural topography of Westwood Country Club is flat to gently sloping. The majority of the site consists of a maintained golf course. An area in the south east portion of the site consists of various buildings, including a clubhouse, pool, tennis courts, and parking lots. The undeveloped uplands within the investigation area consist of mown lawn, successional old field, successional shrubland, and successional northern hardwood communities. The wetland/pond/stream areas were found to consist of eutrophic pond, confined river, shallow emergent marsh, shrub-swamp and hardwood swamp communities. The vegetative community of the investigation area is described according to *Ecological Communities of New York State* (Edinger et al. 2002).

SECTION III

PRELIMINARY DATA REVIEW

A. SUMMARY OF FINDINGS

Several sources of information may be reviewed to facilitate the completion of a wetland delineation study. In some cases it is even possible to make a preliminary office wetland determination based upon available vegetation, soils, and hydrologic information for a project area.

EDI completed a preliminary review of several data sources at the onset of this study. The results of the review are summarized as follows:

1. USGS 7.5 Minute Topographical Map

Figure 1 depicts Westwood Country Club on the Buffalo NE/2002 DeLorme quadrangle map. The figure depicts the flat to gently sloping topography of the site. Ellicott Creek is depicted along the eastern property line of the site.

2. USFWS National Wetlands Inventory Map

The National Wetlands Inventory (NWI) map obtained from the USFWS Wetland Mapper <http://www.fws.gov/wetlands/Data/Mapper.html> displays four (4) wetlands labeled as **PUBHx*** and **R2UBH**** within the investigation area. The wetlands are decoded as:

*[P] Palustrine, [UB] Unconsolidated bottom, [H] Permanently flooded, [x]

Excavated

**[R] Riverine, [2] Intertidal, [UB] Unconsolidated bottom, [H] Permanently flooded

3. Natural Resources Conservation Service Soils Map

Figure 3 presents the project area outlined on a copy of the Erie County Soil Survey map from the National Cooperative Soil Survey. As shown on that figure, the site has the following soil types:

Soil Conservation Service Legend

| <u>Designation</u> | <u>Description</u> | <u>Hydric Soil/ Inclusions?</u> |
|--------------------|--|-------------------------------------|
| CrA | Claverack Loamy Fine Sand 0 to 3 percent slopes | Inclusions Unlikely |
| Cv | Cosad Loamy Fine Sand | Inclusions Possible |
| La | Lakemont Silt Loam | Hydric Soils |
| Od | Odessa Silt Loam | Inclusions Possible |
| SaA | Schoharie Silt Loam 0 to 3 percent slopes | Inclusions Unlikely |
| SaB | Schoharie Silt Loam 3 to 8 percent slopes | Inclusions Unlikely |
| Te | Teel Silt Loam | Inclusions Possible |
| Ut | Urban land-Odessa Complex | Inclusions Unlikely |

Claverack Loamy Fine Sand: The Claverack series consists of very deep, moderately well drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level to sloping soils in shallow deltas on lake plains. Slope ranges from 0 to 15 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Cosad Loamy Fine Sand: The Cosad series consists of very deep, somewhat poorly drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level soils on lake plains. Slope ranges

from 0 to 8 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Lakemont silt loam: The Lakemont series consists of deep, poorly drained and very poorly drained soils of lake plains. They are nearly level soils formed in very slowly permeable reddish colored clayey lacustrine sediments. Slope ranges from 0 to 3 percent. Permeability is moderately slow in the surface and very slow in the subsoil and substratum. Mean annual temperature is about 48° and mean annual precipitation is about 34 inches.

Odessa Silt Loam: The Odessa series consists of very deep, somewhat poorly drained soils formed in clayey lacustrine deposits. These soils are in moderately low areas on lake plains. Permeability is moderately slow in the surface layer and slow or very slow in the subsoil and substratum. Slope ranges from 0 to 20 percent. Mean annual temperature is 48 degrees F., and mean annual precipitation is 34 inches.

Schoharie Silt Loam: The Schoharie series consists of very deep, moderately well drained soils formed in clayey lacustrine sediments. They are on glacial lake plains and uplands mantled with lake sediments. Saturated hydraulic conductivity is moderately high or high in the mineral surface and subsurface and low through moderately high in the subsoil and substratum. Slope ranges from 0 through 60 percent. Mean annual temperature is 48 degrees F, and mean annual precipitation is 39 inches.

Teel Silt Loam: The Teel series consists of very deep, moderately well drained soils on floodplains. They formed in nearly level, silty alluvial deposits. Permeability is moderate throughout the solum. Slope ranges from 0 to 3 percent. Mean annual temperature is 49 degrees F, and mean annual precipitation is 37 inches.

Urban land: This complex consists of nearly level areas of Urban land and somewhat poorly drained Odessa soils. The complex is on relatively flat landscapes in the city of Buffalo and in metropolitan areas. Slope ranges from 0 to 3 percent. Mean annual temperature is about 48° and mean annual precipitation is about 34 inches.

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. Lakemont is a hydric and therefore may support wetland vegetation. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays no state jurisdictional wetlands within or adjacent to the investigation area.

B. RESULTS OF AGENCY INFORMATION REVIEW

The preliminary data review revealed that the Corps may have jurisdiction over wetlands at the project location. The evidence consisted of the depiction of several wetlands and water features on the NWI map, hydric soils and soils with possible inclusions depicted within the project area as shown on the NRCS map (Figure 3). Therefore, it was considered necessary to perform a field investigation at the site in order to confirm the presence of federal and state protected wetlands. The methods specified in the *Corps of Engineers Wetlands Delineation Manual* (January 1987) and *Northcentral and Northeast Regional Supplement* (October 2009) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

SECTION IV

FIELD INVESTIGATION PROCEDURES

Step 1

EDI applied methodology specified by the *1987 Corps of Engineers Wetlands Delineation Manual* and *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the *Northcentral and Northeast Supplement*.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The *Northcentral and Northeast Supplement* defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41°F. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest. Based on this definition, the field work was performed during the growing season. The field work was conducted on September 17, 2012 and September 24, 2012.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Attachment A and included in Attachment B, eleven (11) data points were used to characterize the site.

Step 5

The plant community inhabiting each observation point was characterized in accordance with methods specified in the Northcentral and Northeast Regional Supplement. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Northcentral and Northeast Regional Supplement defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.28 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.28 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consist of woody vines greater than 3.28 feet in height.

As outlined in the Northcentral and Northeast Regional Supplement, the quadrant sizes used for the vegetative strata were (i) a five-foot radius for herbs; (ii) a fifteen-foot radius for saplings and shrubs; and (iii) a 30-foot radius for trees and woody vines. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Corps Manual defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.2 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.2 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consist of woody vines.

As outlined in the manual, the quadrant sizes used for the vegetative strata were (i) a 3.28-foot radius for herbs; (ii) a ten-foot radius for saplings/shrubs and woody vines; and (iii) a 30-foot radius for trees. Dominant plant species were estimated using aerial coverage methods. Dominant species are defined in the Corps Manual as the most abundant plant species that when ranked in descending order of abundance and cumulatively totaled immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species comprising 20 percent or more of the total dominance measure.

The wetland indicator status (OBL, FACW, FAC, FACU, or UPL) listed for each identified species by the U.S. Fish and Wildlife Service in the *National List of Plant Species that Occur in Wetlands: Northeast (Region 1)* was recorded. The U.S. Fish and Wildlife wetland indicator status listings are defined as follows:

OBL – Plants that occur almost always (estimated probability >99 percent) in wetlands under natural conditions, but which may also occur rarely (estimated probability < 1 percent) in nonwetlands.

FACW – Plants that occur usually (estimated probability >67 percent to 99 percent) in wetlands, but also occur (estimated probability 1 percent to 33 percent) in nonwetlands.

FAC – Plants with a similar likelihood (estimated probability 33 percent to 67 percent) of occurring in both wetlands and nonwetlands.

FACU – Plants that occur sometimes (estimated probability 1 percent to <33 percent) in wetlands, but occur more often (estimated probability >67 percent to 99 percent) in nonwetlands.

UPL – Plants that occur rarely (estimated probability < 1 percent) in wetlands, but occur almost always (estimated probability >99 percent) in nonwetlands under natural conditions.

The plant community data was summarized on the data forms provided in the *Northcentral and Northeast Regional Supplement* included in this report as Attachment B.

Step 6

Plant data from each observation point were tested against the hydrophytic vegetation criterion specified in the Corps Manual and Northcentral and Northeast Regional Supplement. The Northcentral and Northeast Regional Supplement identifies a four-tiered approach for making a determination of whether or not the hydrophytic vegetation criteria is met for a sample plot. Indicator 1 (Rapid Test for Hydrophytic Vegetation) was first applied to determine if all dominant species across all strata are rated OBL and/or FACW. If Indicator 1 did not meet the hydrophytic vegetation criteria, Indicator 2 was then applied (dominance test); if greater than 50% of all plant species across all strata were rated OBL, FACW, or FAC, the hydrophytic vegetation criteria was considered met. In rare cases, when Indicators 1 and 2 did not meet the hydrophytic vegetation criteria but soils and hydrology criteria were met, Indicators 3 (Prevalence Index) and 4 (Morphological Adaptations) were used to make a final determination. All observation points that met the hydrophytic vegetation criterion were considered potential wetlands. Soils were then characterized.

Step 7

The Corps Manual specifies that soils need not be characterized (and are assumed hydric soils) at sampling points meeting the hydrophytic vegetation criterion if: (i) all dominant plant species have an indicator status of OBL, or (ii) all dominant species have an indicator status of OBL and/or FACW, and the wetland boundary is abrupt (at least one dominant OBL species must be present). All observation points sampled during this field investigation were examined directly for soil and hydrologic characteristics.

Step 8

At observation points requiring a soil evaluation, soil borings were performed by an EDI Soil Scientist using methods specified in the *Northcentral and Northeast Regional Supplement*. Soil pits

were dug using a tile spade. Testpits were generally dug to a depth of 20 inches below ground surface. Soils were examined for any of the hydric soil indicators, as outlined in the *Field Indicators of Hydric Soils in the United States*. A determination was made as to whether or not the hydric soil criterion was met. Soils data was recorded on the data forms included in Attachment B of this report.

Step 9

EDI's Soil Scientist examined hydrologic indicators using methods specified by the Northcentral and Northeast Regional Supplement at each observation point. The wetland hydrology criterion was met if: (i) one or more primary field indicators was materially present, (ii) available hydrologic records provided necessary evidence, or (iii) two or more secondary indicators were present. Results were recorded on data forms taken from the Corps Manual and are included in this report as Attachment B.

Step 10

A wetland determination was made for every observation point. If a sample plot met the hydrophytic vegetation, hydric soil, and wetland hydrology criteria, the area was considered to be wetland.

Step 11

Based on the results of the transected data, wetland boundaries were established for each identified wetland using plain green survey ribbon numbered consecutively along each wetland boundary. As outlined in the Corps Manual, the placement of flags was based on the limits of areas where all three parameters were met. Wetland flags were labeled W1-1 through W1-9, W2-1 through W2-6, W3-1 through W3-19, W4-1 through W4-12, W5-1 through W5-22, W6-1 through W6-14, W7-1 through W7-4, W8-1 through W8-9, W9-1 through W9-12, W10-1 through W10-6 and W11-1 through W11-45.

SECTION V

RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at Westwood Country Club located in the Town of Amherst, County of Erie, and State of New York. A field investigation was conducted by a Soil Scientist and a Wetland Ecologist from EDI. The wetland delineation study found eleven (11) wetlands totaling $7.417 \pm$ acres present at Westwood Country Club.

General site maps are presented in Attachment A. Figure 3 shows the soil types mapped within the property. Field examination of the soil on the site showed moderate agreement to the published NRCS soil map (Figure 3). The site consisted primarily of Odessa silt loam and Cosad loamy fine sand soils, although much of the site was previously altered in association with the construction of the golf course.

Figure 5 depicts the vegetative communities as they currently exist. The majority of the site consists of a maintained golf course and country club facilities. The undeveloped uplands within the investigation area were comprised of mown lawn, successional old field, successional shrubland and successional northern hardwood communities. The wetland/pond/stream areas were found to consist of eutrophic pond, confined river, shallow emergent marsh, shrub-swamp and hardwood swamp communities. The vegetative community of the investigation area is described according to *Ecological Communities of New York State* (Edinger et al. 2002).

No data was taken in the mown lawn community. However, species present were consistent with the community description provided by Reschke.

The successional old field community consisted of the following species: hawthorn (*Crataegus spp.*), gray dogwood (*Cornus racemosa*), green ash (*Fraxinus pennsylvanica*), silky dogwood (*Cornus amomum*), alder buckthorn (*Rhamnus frangula*), bebb willow (*Salix bebbiana*),

Kentucky bluegrass (*Poa pratensis*), old field cinquefoil (*Potentilla simplex*), Virginia strawberry (*Fragaria virginiana*), annual ryegrass (*Lolium perenne*), timothy (*Phleum pratense*), common cinquefoil (*Potentilla simplex*), common self-heal (*Prunella vulgaris*), poverty rush (*Juncus tenuis*), winter bentgrass (*Agrostis hyemalis*), white old-field aster (*Symphotrichum pilosus*), Canada goldenrod (*Solidago canadensis*), garden vetch (*Vicia sativa*), flat-top goldenrod (*Euthamia graminifolia*), and red maple (*Acer rubrum*).

The successional shrubland community consisted of the following species: green ash (*Fraxinus pennsylvanica*), Norway spruce (*Picea abies*), black walnut (*Juglans nigra*), box elder (*Acer negundo*), glossy buckthorn (*Frangula alnus*), American red raspberry (*Rubus ideaus*), white old-field aster (*Aster pilosus*), Canada goldenrod (*Solidago canadensis*), Canada thistle (*Cirsium canadensis*), curly dock (*Rumex crispus*), dames rocket (*Hesperis matronalis*), stinging nettle (*Urtica dioica*), common motherwort (*Leonurus cardiaca*), climbing nightshade (*Solanum dulcamara*), white vervain (*Verbena urticifolia*), Fuller's teasel (*Dipsacus sylvestris*), and summer grape (*Vitis aestivalis*).

The successional northern hardwood community consisted of the following species: green ash (*Fraxinus pennsylvanica*), American basswood (*Tilia americana*), red oak (*Quercus rubra*), pin oak (*Quercus palustris*), eastern cottonwood (*Populus deltoides*), American elm (*Ulmus americana*), red maple (*Acer rubrum*), hawthorn (*Crataegus spp.*), black willow (*Salix nigra*), black cherry (*Prunus serotina*), black walnut (*Juglans nigra*), box elder (*Acer negundo*), common buckthorn (*Rhamnus cathartica*), glossy buckthorn (*Frangula alnus*), tatarian honeysuckle (*Lonicera tatarica*), multiflora rose (*Rosa multiflora*), Allegheny blackberry (*Rubus allegheniensis*), dames rocket (*Hesperis matronalis*), white snakeroot (*Ageratina altissima*), Virginia creeper (*Parthenocissus quinquefolia*), poison ivy (*Toxicodendron radicans*), and summer grape (*Vitis aestivalis*).

No data was taken in the eutrophic pond or confined river communities. However, species present were consistent with the community description provided by Reschke.

The shallow emergent marsh community consisted of the following species: green ash (*Fraxinus pennsylvanica*), pin oak (*Quercus palustris*), redosier dogwood (*Cornus sericea*), red maple (*Acer rubrum*), calico aster (*Symphotrichum lateriflorum*), white panicle aster (*Symphotrichum lanceolatum*), purple loosestrife (*Lythrum salicaria*), sedge (*Carex spp.*), and flat-top goldenrod (*Euthamia gaminifolia*).

The shrub-swamp community consisted of the following species: pin oak (*Quercus palustris*), green ash (*Fraxinus pennsylvanica*), redosier dogwood (*Cornus sericea*), red maple (*Acer rubrum*), glossy buckthorn (*Frangula alnus*), silver maple (*Acer saccharinum*), broom sedge (*Carex scoparia*), purple loosestrife (*Lythrum salicaria*), soft rush (*Juncus effusus*), woolgrass (*Scirpus cyperinus*), fox sedge (*Carex vulpinoidea*), green bulrush (*Scirpus atrovirens*), boneset (*Eupatorium perfoliatum*), and flat-top goldenrod (*Euthamia graminifolia*).

The hardwood swamp community consisted of the following species: pin oak (*Quercus palustris*), green ash (*Fraxinus pennsylvanica*), red oak (*Quercus rubra*), eastern cottonwood (*Populus deltoides*), American elm (*Ulmus americana*), tatarian honeysuckle (*Lonicera tatarica*), calico aster (*Symphotrichum lateriflorum*), fowl mannagrass (*Glyceria striata*), broom sedge (*Carex scoparia*), and sweet woodreed (*Cinna arundinacea*).

Hydrology is generally highly variable during a field investigation and accurate examinations of the landscape must be conducted to assure an accurate delineation.

As noted on Figure 7 (Site Drainage map), Ellicott Creek, a traditionally navigable waterway, flows north along the east side of the investigation area.

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Attachment A of this report. Data forms are included as Attachment B. Attachment C consists of an aerial photograph of the site. Attachment D includes representative photographs of the project area. Attachment E notes the

references used during the preparation of this report and during the field investigation. Attachment F provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

SECTION VI RECOMMENDATIONS

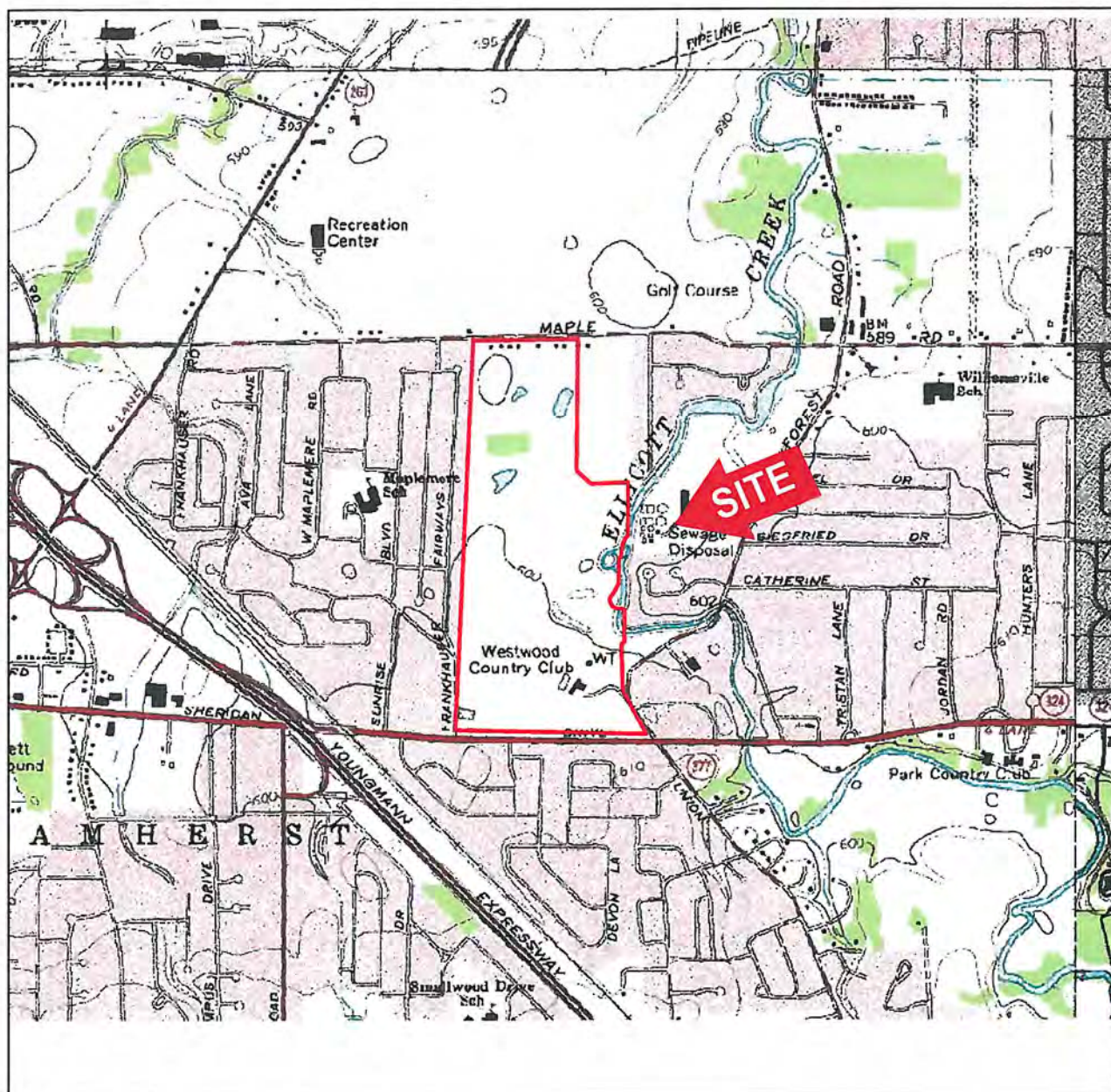
Eleven (11) wetland/pond/stream areas were identified during the course of a field investigation based upon the three parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and *Northcentral and Northeast Regional Supplement*. It is EDI's professional opinion that Wetlands 1 through 10 are not connected to waters of the U.S. and would therefore be considered isolated. Wetland 11 (Ellicott Creek), however, is a traditionally navigable waterway and is regulated by the USACE. In addition, the creek is a NYSDEC Class B stream regulated under Article 15 of the New York State Conservation Law. NYSDEC and USACE approaches their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

- (1) Submit this report to USACE with a request for a wetland boundary confirmation and jurisdictional determination.
- (2) If no impacts are proposed to federally regulated wetlands or Ellicott Creek based on the outcome of the jurisdictional determination, it is the professional opinion of EDI that the project may proceed without the need for a Section 404 Permit.
- (3) If any jurisdictional wetland impacts are proposed, it is EDI's recommendation that a Joint Application for Permit and supporting documentation be submitted to the USACE and NYSDEC.

Westwood Country Club



ATTACHMENT A *Figures*



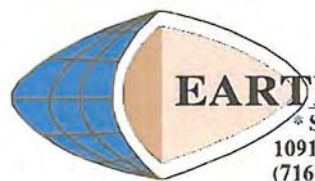
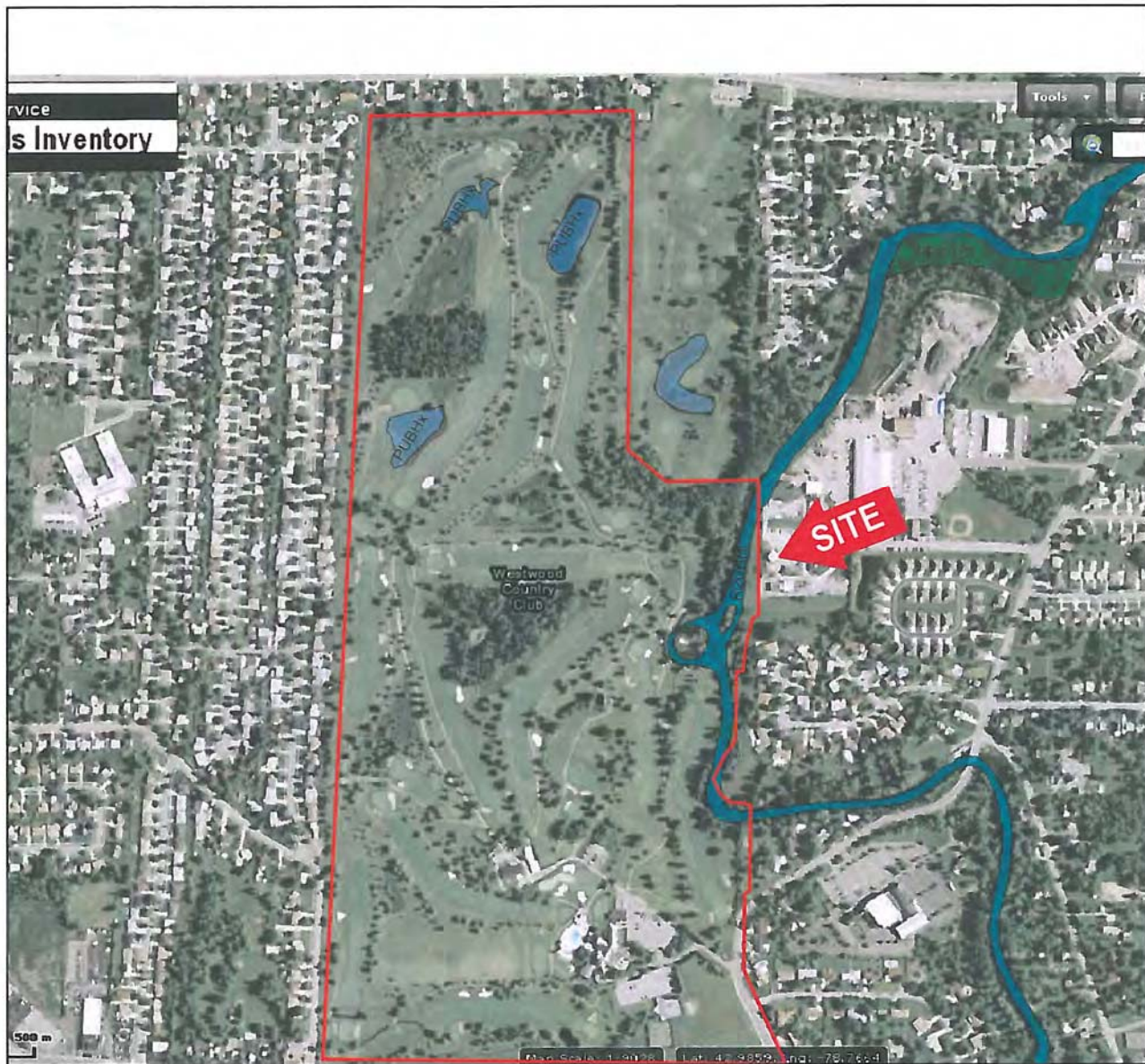
EARTH DIMENSIONS, INC.

* Soil & Hydrogeologic Investigations * Wetland Delineations
 1091 Jamison Road, Elma NY 14059
 (716) 655-1717 * Fax (716) 655-2915 www.earthdimensions.com

Figure 1: USGS 7.5 Minute Topographical Map
 Buffalo NE Quadrangle/ 2002 DeLorme

Westwood Country Club
 Town of Amherst, Erie County, New York





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Figure 2:

National Wetlands Inventory Map
<http://www.fws.gov/wetlands/Data/Mapper.html>
 Site visited 9/11/2012



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Figure 3:

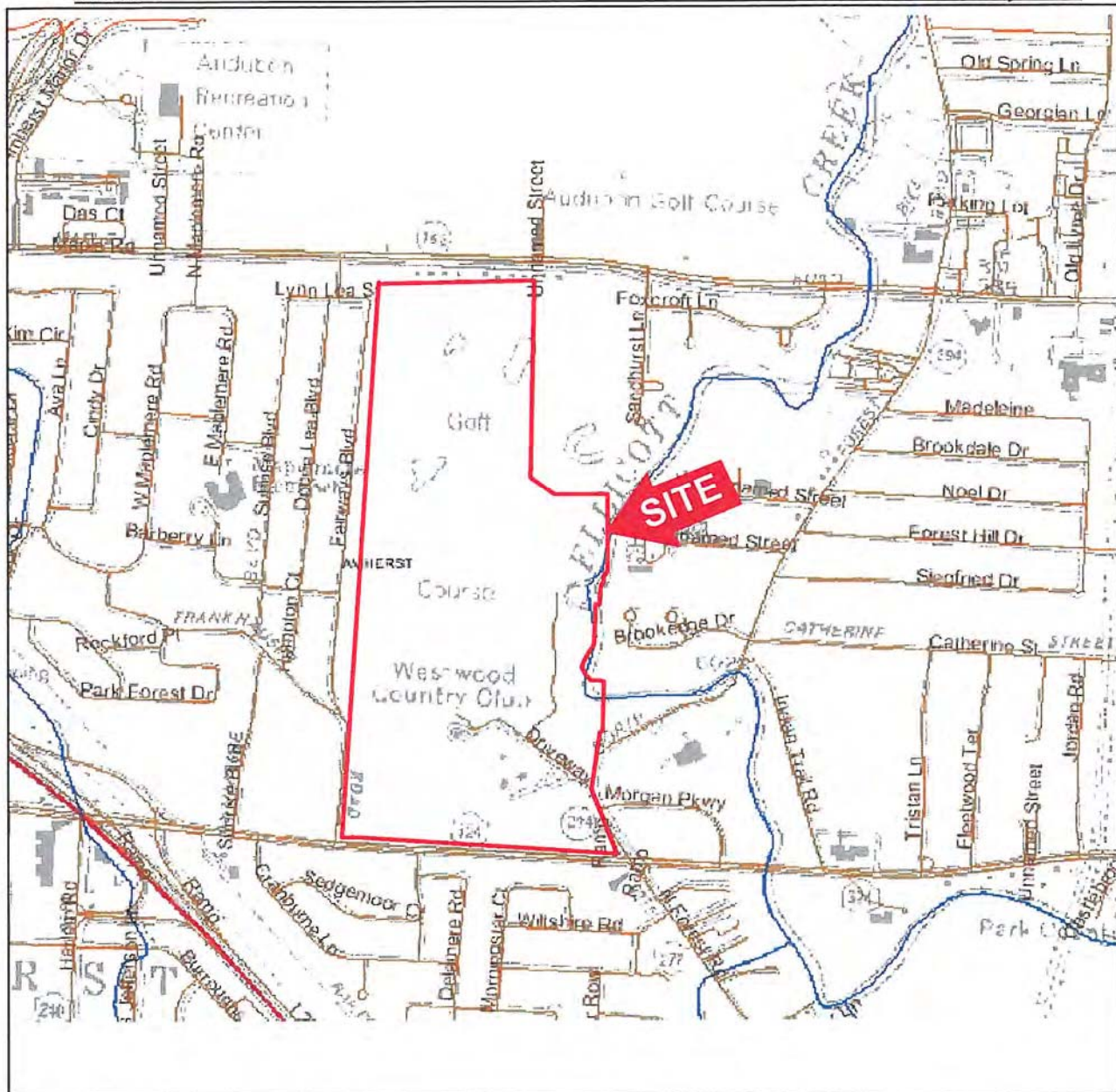
NRCS Erie County Soil Survey Map

<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Site visited 9/11/2012



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 Town of Amherst, Erie County, New York



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Figure 4:

NYSDEC Environmental Resource Mapper
<http://www.dec.ny.gov/imsmaps/ERM/Viewer.htm>
 Site visited 9/11/2012

Westwood Country Club
 Town of Amherst, Erie County, New York



Figure 5: General Vegetation Map

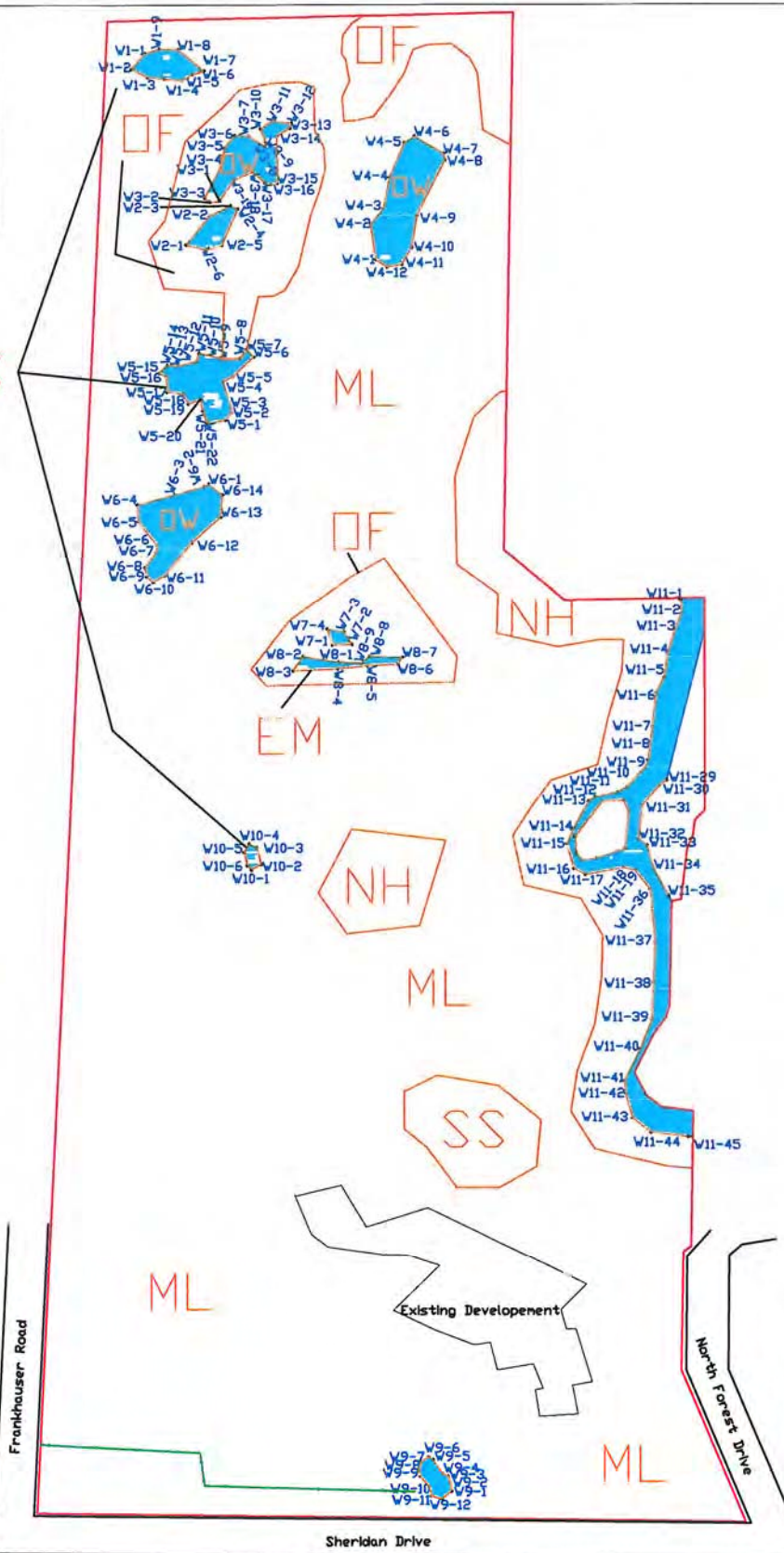
Town of Amherst

Eric County, New York

EARTH DIMENSIONS, INC.

Westwood Country Club LEGEND

| | |
|--|--------------------------------|
| | Limits of Investigation |
| | Community Boundary |
| | Wetland Boundary Flag |
| | Wetland Area |
| | Successional Northern Hardwood |
| | Hardwood Swamp |
| | Old Field |
| | Scrub-shrub Swamp |
| | Successional Shrubland |
| | Emergent Marsh |
| | Mown Lawn |
| | Open Water |



Scale:

Map Date: September 25, 2012/ ARS for EDI
Revised:

Base Map Provided By: Garmin GPSmap 62Sx 4-9
foot accuracy

File Name: Wetland Delineation Map.dwg

EDI Project Code: W1I09b

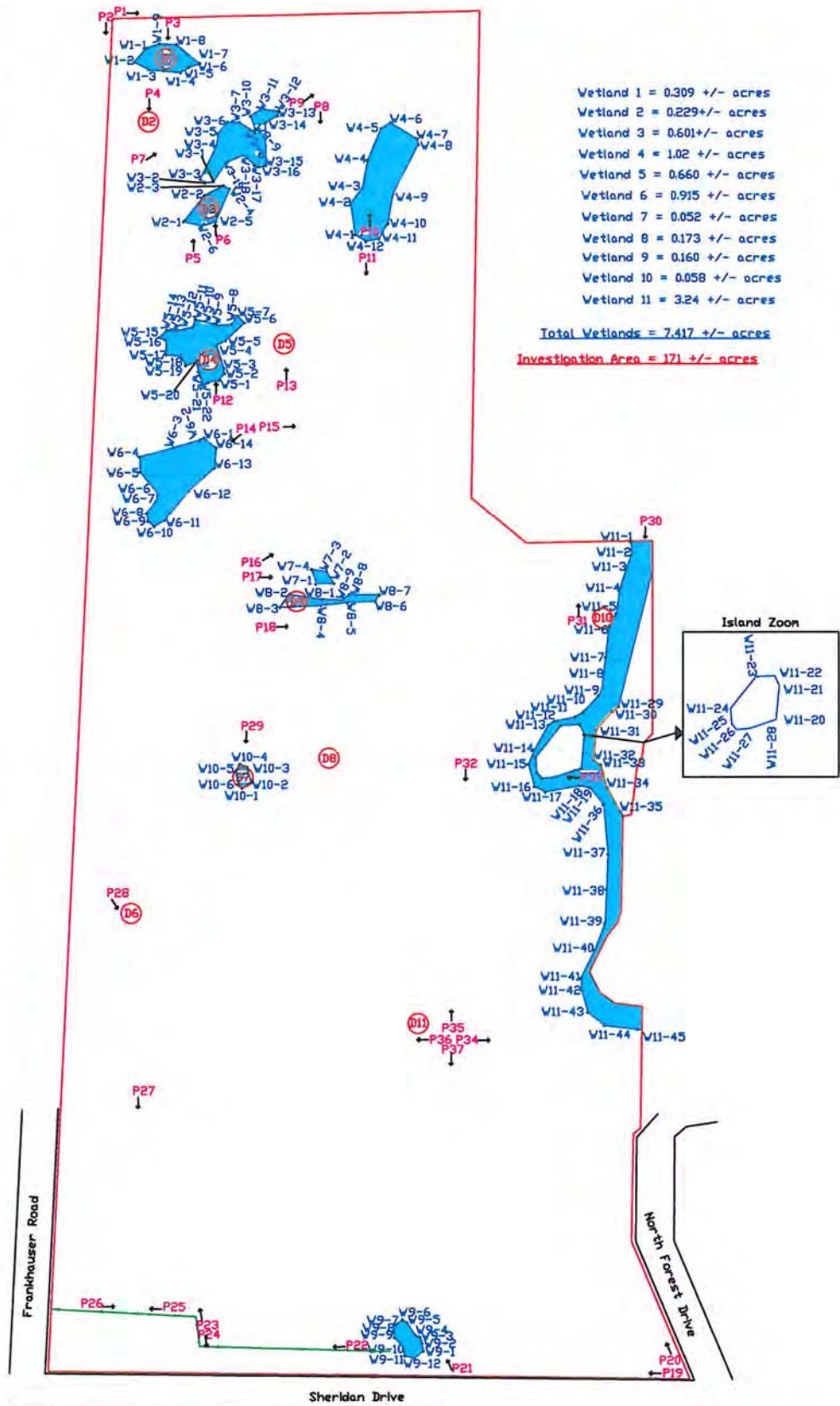
Figure 6: Wetland Delineation Map

Town of Amherst

Erie County, NY



EARTH DIMENSIONS, INC.



Westwood Country Club

LEGEND

- Limits of Investigation
- Drainages
- Wetland Boundary Flag
- Wetland Area
- Photo Location
- Data Point Location

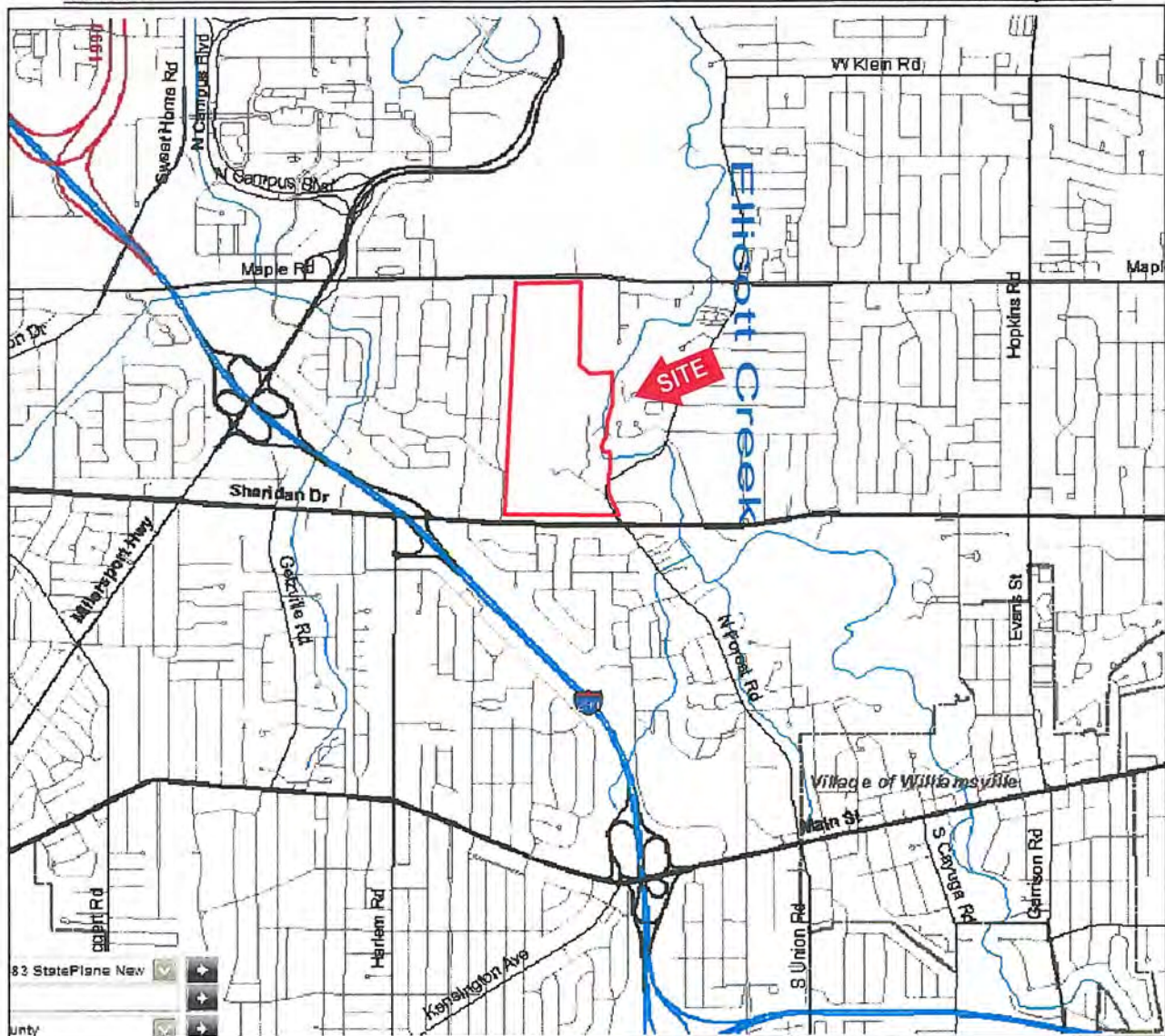
Scale:

Map Date: September 25, 2012/ ARS for EDI
 Revised:

Base Map Provided By: Garmin GPSmap 62Sx 4-9
 foot accuracy

File Name: Wetland Delineation Map.dwg

EDI Project Code: W1109b



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 1091 Jamison Road, Elma NY 14059
 (716) 655-1717 * Fax (716) 655-2915 www.earthdimensions.com

Figure 7:

Drainage Map

<http://gis1.erie.gov/GC/ErieCountyNY/default.htm>

Site visited 9/11/2012

Westwood Country Club
 Town of Amherst, Erie County, New York



Westwood Country Club



ATTACHMENT B *Data Forms*

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 17, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D1
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONCAVE
 Slope (%): 10 Lat: 42.99055 Long: -78.77460 Datum: NAD83
 Soil Map Unit Name: Odeissa Silty loam NW 1 classification: PEM

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

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

Hydrophytic Vegetation Present? Yes X No
 Hydric Soil Present? Yes X No
 Wetland Hydrology Present? Yes X No

Is the Sampled Area within a Wetland? Yes X No
 If yes, optional Wetland Site ID: W1

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

 Surface Water (A1) X Water-Stained Leaves (B9)
 High Water Table (A2) Aquatic Fauna (B13)
 Saturation (A3) Marl Deposits (B15)
X Water Marks (B1) Hydrogen Sulfide Odor (C1)
 Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)
 Drift Deposits (B3) Presence of Reduced Iron (C4)
 Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)
 Iron Deposits (B5) Thin Muck Surface (C7)
 Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)
 Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

 Surface Soil Cracks (B6)
 Drainage Patterns (B10)
 Moss Trim Lines (B16)
 Dry-Season Water Table (C2)
 Crayfish Burrows (C8)
 Saturation Visible on Aerial Imagery (C9)
 Stunted or Stressed Plants (D1)
 Geomorphic Position (D2)
 Shallow Aquitard (D3)
 Microtopographic Relief (D4)
 FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No X Depth (inches): N/A
 Water Table Present? Yes No X Depth (inches): N/A
 Saturation Present? Yes No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No

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

Remarks:

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>FRAXINUS PENNSYLVANICA</u> | <u>25</u> | <u>Y</u> | <u>SAPW</u> |
| 2. <u>ALER</u> | <u>5</u> | <u>Y</u> | <u>MC</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| _____ = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>FRAXINUS PENNSYLVANICA</u> | <u>5</u> | <u>Y</u> | <u>MC</u> |
| 2. <u>RHAMNUS FRANGULA</u> | <u>3</u> | <u>Y</u> | <u>MC</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| _____ = Total Cover | | | |

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>JUNCEUS EFFUSUS</u> | <u>30</u> | <u>Y</u> | <u>MC</u> |
| 2. <u>SCIRPUS CUPERTINUS</u> | <u>50</u> | <u>Y</u> | <u>MC</u> |
| 3. <u>SARCE VULPINOIDEA</u> | <u>05</u> | <u>Y</u> | <u>MC</u> |
| 4. <u>SCIRPUS</u> | <u>5</u> | <u>N</u> | <u>MC</u> |
| 5. <u>EUPATORIUM</u> | <u>10</u> | <u>N</u> | <u>MC</u> |
| 6. <u>FRAXINUS PENNSYLVANICA</u> | <u>5</u> | <u>N</u> | <u>MC</u> |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| <u>35</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>N/A</u> | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| _____ = Total Cover | | | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)Total Number of Dominant Species Across All Strata: 7 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species _____ x 1 = _____

FACW species _____ x 2 = _____

FAC species _____ x 3 = _____

FACU species _____ x 4 = _____

UPL species _____ x 5 = _____

Column Totals: _____ (A) _____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: Young PFO/SS wetland
Shrub/forested

Hydrophytic Vegetation Present?

Yes X No _____

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

Photo # 3Direction of Photo South

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 17, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D2
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): Flat
 Slope (%): 1 Lat: 42.9844 Long: -78.77484 Datum: NAD83
 Soil Map Unit Name: 00p55a silt loam NW 1 classification: _____

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

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

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? Yes _____ No X (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes _____ No X
 Hydric Soil Present? Yes _____ No X
 Wetland Hydrology Present? Yes _____ No X

Is the Sampled Area
within a Wetland? Yes _____ No X

If yes, optional Wetland Site ID: _____

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

____ Surface Water (A1) _____ Water-Stained Leaves (B9)
 ____ High Water Table (A2) _____ Aquatic Fauna (B13)
 ____ Saturation (A3) _____ Marl Deposits (B15)
 ____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)
 ____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)
 ____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)
 ____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)
 ____ Iron Deposits (B5) _____ Thin Muck Surface (C7)
 ____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)
 ____ Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

____ Surface Soil Cracks (B6)
 ____ Drainage Patterns (B10)
 ____ Moss Trim Lines (B16)
 ____ Dry-Season Water Table (C2)
 ____ Crayfish Burrows (C8)
 ____ Saturation Visible on Aerial Imagery (C9)
 ____ Stunted or Stressed Plants (D1)
 ____ Geomorphic Position (D2)
 ____ Shallow Aquitard (D3)
 ____ Microtopographic Relief (D4)
 ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A
 Water Table Present? Yes _____ No X Depth (inches): N/A
 Saturation Present? Yes _____ No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>NA</u> | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. <u>V</u> | | | |
| _____ = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>FRAXINUS PENNSYLVANICA</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>RHAMNUS FLORIDANA</u> | <u>10</u> | <u>Y</u> | <u>FAC</u> |
| 3. <u>Salix bebbiana</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 4. <u>Crataegus sp.</u> | <u>7</u> | <u>N</u> | <u>NI</u> |
| 5. <u>Cornus alternifolia</u> | <u>15</u> | <u>Y</u> | <u>FACU</u> |
| 6. <u>Sorbus americana</u> | <u>5</u> | <u>N</u> | <u>FACW</u> |
| 7. | | | |
| <u>60</u> = Total Cover | | | |

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>Lolium perenne</u> | <u>7</u> | <u>N</u> | <u>FACU</u> |
| 2. <u>Phytolacca americana</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>Eragrostis canadensis</u> | <u>25</u> | <u>Y</u> | <u>FACW</u> |
| 4. <u>Polygonum simplex</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 5. <u>FRAGARIA VIRGINIANA</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 6. <u>Pyrrolis sp.</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 7. <u>Juncus tenuis</u> | <u>5</u> | <u>N</u> | <u>FAC</u> |
| 8. <u>Agralin. nemoralis</u> | <u>5</u> | <u>N</u> | <u>FAC</u> |
| 9. <u>Acer rubrum</u> | <u>3</u> | <u>N</u> | <u>FAC</u> |
| 10. | | | |
| 11. | | | |
| 12. | | | |
| <u>95</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>NA</u> | | | |
| 2. | | | |
| 3. | | | |
| 4. <u>V</u> | | | |
| _____ = Total Cover | | | |

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

Photo # 4 Direction of Photo S

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species 0 x 1 = 0

FACW species 30 x 2 = 60

FAC species 23 x 3 = 69

FACU species 17 x 4 = 68

UPL species 0 x 5 = 0

Column Totals: 150 (A) 517 (B)

Prevalence Index = B/A = 3.446

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is < 3.0¹
- ☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

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

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

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

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: SJC UPL FLD

Hydrophytic Vegetation Present?

Yes _____ No X

[illegible]

Hydric Soil Indicators:

²Location: PL=Pore Lining, M=Matrix.
Indicators for Problematic Hydric Soils³:

- | | | |
|---|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stripped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

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

Restrictive Layer (if observed):

Type: NONE

Depth (inches): W/A

Hydric Soil Present? Yes _____ No X

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 17, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D3
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONCAVE
 Slope (%): 0 Lat: 42.98904 Long: -78.77410 Datum: NAD83
 Soil Map Unit Name: Odessa S, 1+ loam NW 1 classification: PSS

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

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

| | | | |
|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|
| Hydrophytic Vegetation Present? | Yes <u>X</u> No <u> </u> | Is the Sampled Area within a Wetland? | Yes <u>X</u> No <u> </u> |
| Hydric Soil Present? | Yes <u>X</u> No <u> </u> | | |
| Wetland Hydrology Present? | Yes <u>X</u> No <u> </u> | If yes, optional Wetland Site ID: | <u>W2</u> |

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

| | | |
|---|--|---|
| <u> </u> Surface Water (A1) | <u>X</u> Water-Stained Leaves (B9) | <u> </u> Surface Soil Cracks (B6) |
| <u> </u> High Water Table (A2) | <u> </u> Aquatic Fauna (B13) | <u> </u> Drainage Patterns (B10) |
| <u> </u> Saturation (A3) | <u> </u> Marl Deposits (B15) | <u> </u> Moss Trim Lines (B16) |
| <u> </u> Water Marks (B1) | <u> </u> Hydrogen Sulfide Odor (C1) | <u> </u> Dry-Season Water Table (C2) |
| <u> </u> Sediment Deposits (B2) | <u> </u> Oxidized Rhizospheres on Living Roots (C3) | <u> </u> Crayfish Burrows (C8) |
| <u> </u> Drift Deposits (B3) | <u> </u> Presence of Reduced Iron (C4) | <u> </u> Saturation Visible on Aerial Imagery (C9) |
| <u> </u> Algal Mat or Crust (B4) | <u> </u> Recent Iron Reduction in Tilled Soils (C6) | <u> </u> Stunted or Stressed Plants (D1) |
| <u> </u> Iron Deposits (B5) | <u> </u> Thin Muck Surface (C7) | <u> </u> Geomorphic Position (D2) |
| <u> </u> Inundation Visible on Aerial Imagery (B7) | <u> </u> Other (Explain in Remarks) | <u> </u> Shallow Aquitard (D3) |
| <u> </u> Sparsely Vegetated Concave Surface (B8) | | <u> </u> Microtopographic Relief (D4) |
| | | <u> </u> FAC-Neutral Test (D5) |

Field Observations:

Surface Water Present? Yes No X Depth (inches): N/A
 Water Table Present? Yes No X Depth (inches): N/A
 Saturation Present? Yes No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No

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

Remarks:

VEGETATION : Use scientific names of plants.

Sampling Point: D3

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------|------------------|-------------------|------------------|
| 1. <u>ACER SACCABARUM</u> | <u>30</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>POPCULUS ALBIFRONTA</u> | <u>5</u> | <u>Y</u> | <u>FAC</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>35</u> = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: 15') | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>ACER SACCABARUM</u> | <u>60</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>ACHER FUSCUM</u> | <u>5</u> | <u>N</u> | <u>FAC</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>65</u> = Total Cover | | | |

| Herb Stratum (Plot size: 5') | Absolute % Cover | Dominant Species? | Indicator Status |
|------------------------------|------------------|-------------------|------------------|
| 1. <u>ALICE LACINIOSA</u> | <u>7</u> | <u>N</u> | <u>FACW</u> |
| 2. <u>SARCOSTYLIS</u> | <u>70</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>LYTHRUM COCCINEUM</u> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 4. <u>SPERMATOPHYTES</u> | <u>5</u> | <u>N</u> | <u>FAC</u> |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| <u>92</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------------|------------------|-------------------|------------------|
| 1. <u>NA</u> | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| _____ = Total Cover | | | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)Total Number of Dominant Species Across All Strata: 4 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species _____ x 1 = _____

FACW species _____ x 2 = _____

FAC species _____ x 3 = _____

FACU species _____ x 4 = _____

UPL species _____ x 5 = _____

Column Totals: _____ (A) _____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

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

Hydrophytic Vegetation Present?

Yes X No _____

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

Photo # 6Direction of Photo SOUTH

[illegible]²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|---|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input checked="" type="checkbox"/> Redox Dark Surface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stripped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

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

Type: NONE
Depth (inches): N/A

Hydric Soil Present? Yes ☒ No ☐

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 17, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D4
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONCAVE
 Slope (%): 0 Lat: 42.98770 Long: -78.77415 Datum: NAD83
 Soil Map Unit Name: Scholarie Silty loam, 3-5% slopes NW 1 classification: PFO

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

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

Are Vegetation , Soil , or Hydrology naturally problematic? Yes No X (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No
 Hydric Soil Present? Yes X No
 Wetland Hydrology Present? Yes X No

Is the Sampled Area
within a Wetland? Yes X No
 If yes, optional Wetland Site ID: N5

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

 Surface Water (A1) X Water-Stained Leaves (B9)
 High Water Table (A2) Aquatic Fauna (B13)
 Saturation (A3) Marl Deposits (B15)
X Water Marks (B1) Hydrogen Sulfide Odor (C1)
 Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)
 Drift Deposits (B3) Presence of Reduced Iron (C4)
 Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)
 Iron Deposits (B5) Thin Muck Surface (C7)
 Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)
 Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

 Surface Soil Cracks (B6)
 Drainage Patterns (B10)
 Moss Trim Lines (B16)
 Dry-Season Water Table (C2)
 Crayfish Burrows (C8)
 Saturation Visible on Aerial Imagery (C9)
 Stunted or Stressed Plants (D1)
 Geomorphic Position (D2)
 Shallow Aquitard (D3)
 Microtopographic Relief (D4)
 FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No X Depth (inches): N/A
 Water Table Present? Yes No X Depth (inches): N/A
 Saturation Present? Yes No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No

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

Remarks:

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>Quercus macrocarpa</u> | <u>50</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Fraxinus pennsylvanica</u> | <u>15</u> | <u>N</u> | <u>FACW</u> |
| 3. <u>Quercus falcata</u> | <u>10</u> | <u>N</u> | <u>FAC</u> |
| 4. <u>Vitis americana</u> | <u>5</u> | <u>N</u> | <u>FACW</u> |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>80</u> = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>Fraxinus pennsylvanica</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Rhamnus flammula</u> | <u>10</u> | <u>Y</u> | <u>FAC</u> |
| 3. <u>Lonicera sp.</u> | <u>2</u> | <u>N</u> | <u>UPL</u> |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>27</u> = Total Cover | | | |

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>Aster multiflorus</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Galium aparine</u> | <u>15</u> | <u>Y</u> | <u>OBL</u> |
| 3. <u>Carex lasiocarpa</u> | <u>5</u> | <u>Y</u> | <u>FACW</u> |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| <u>30</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>NA</u> | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. <u>Y</u> | _____ | _____ | _____ |
| <u>0</u> = Total Cover | | | |

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

Photo # 12Direction of Photo N

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)Total Number of Dominant Species Across All Strata: 6 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: PFO Fresh Swamp

Hydrophytic Vegetation Present?

Yes X No _____

D4

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

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No

Northcentral and Northeast Region - Interim Version

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 17, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D5
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONVEX/FLAT
 Slope (%): 1 Lat: 42.98796 Long: -78.77816 Datum: NAD83
 Soil Map Unit Name: Odessa S.H 10am NW 1 classification: _____

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

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

| | | | |
|---------------------------------|-----------------------|---|-----------------------|
| Hydrophytic Vegetation Present? | Yes _____ No <u>X</u> | Is the Sampled Area within a Wetland? | Yes _____ No <u>X</u> |
| Hydric Soil Present? | Yes _____ No <u>X</u> | If yes, optional Wetland Site ID: _____ | |
| Wetland Hydrology Present? | Yes _____ No <u>X</u> | | |

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

| Wetland Hydrology Indicators: | | Secondary Indicators (minimum of two required) |
|---|---|--|
| Primary Indicators (minimum of one is required; check all that apply) | | |
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) | <input type="checkbox"/> Surface Soil Cracks (B6) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Aquatic Fauna (B13) | <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Marl Deposits (B15) | <input type="checkbox"/> Moss Trim Lines (B16) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) | <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Drift Deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> Stunted or Stressed Plants (D1) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Thin Muck Surface (C7) | <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | | <input type="checkbox"/> Microtopographic Relief (D4) |
| | | <input type="checkbox"/> FAC-Neutral Test (D5) |

| | | |
|--|----------------------------|--|
| Field Observations: | | Wetland Hydrology Present? Yes _____ No <u>X</u> |
| Surface Water Present? Yes _____ No <u>X</u> | Depth (inches): <u>N/A</u> | |
| Water Table Present? Yes _____ No <u>X</u> | Depth (inches): <u>N/A</u> | |
| Saturation Present? Yes _____ No <u>X</u> | Depth (inches): <u>N/A</u> | |

(includes capillary fringe)

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

Remarks:

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------|------------------|-------------------|------------------|
| 1. <i>Quercus falcata</i> | 65 | Y | FACW |
| 2. <i>Quercus rubra</i> | 25 | Y | FACW |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 90 = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: 15') | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <i>Rhamnus cuneata</i> | 20 | Y | FACW |
| 2. <i>Fraxinus pennsylvanica</i> | 10 | Y | FACW |
| 3. <i>Potamogeton amplifolius</i> | 5 | N | FACW |
| 4. <i>Ilia umbellata</i> | 7 | N | FACW |
| 5. <i>Rhamnus fraxinifolia</i> | 5 | N | FACW |
| 6. <i>Rubus cuneifolius</i> | 5 | N | FACW |
| 7. _____ | _____ | _____ | _____ |
| 52 = Total Cover | | | |

| Herb Stratum (Plot size: 5') | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------|------------------|-------------------|------------------|
| 1. <i>Rhamnus fraxinifolia</i> | 15 | Y | FAC |
| 2. <i>Rosa multiflora</i> | 5 | Y | FACW |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| 20 = Total Cover | | | |

| Woody Vine Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------------|------------------|-------------------|------------------|
| 1. NA | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 0 = Total Cover | | | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)Total Number of Dominant Species Across All Strata: 6 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

| Total % Cover of: | Multiply by: |
|---------------------------|--------------------|
| OBL species <u>0</u> | x 1 = <u>0</u> |
| FACW species <u>35</u> | x 2 = <u>70</u> |
| FAC species <u>20</u> | x 3 = <u>60</u> |
| FACU species <u>107</u> | x 4 = <u>428</u> |
| UPL species <u>0</u> | x 5 = <u>0</u> |
| Column Totals: <u>162</u> | (A) <u>558</u> (B) |

Prevalence Index = B/A = 3.44

Hydrophytic Vegetation Indicators:

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

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

Hydrophytic Vegetation Present?

Yes _____ No X

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

Photo # 13Direction of Photo N

D5

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

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|---|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stripped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

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

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No ☒

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D6
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX
 Slope (%): 1-3 Lat: 42.98272 Long: -78.77537 Datum: NAD83
 Soil Map Unit Name: CO5AD LOAMY FINE SAND NW I classification: _____

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

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

Hydrophytic Vegetation Present? Yes _____ No X
 Hydric Soil Present? Yes _____ No X
 Wetland Hydrology Present? Yes _____ No X

Is the Sampled Area within a Wetland? Yes _____ No X
 If yes, optional Wetland Site ID: _____

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

____ Surface Water (A1) _____ Water-Stained Leaves (B9)
 ____ High Water Table (A2) _____ Aquatic Fauna (B13)
 ____ Saturation (A3) _____ Marl Deposits (B15)
 ____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)
 ____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)
 ____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)
 ____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)
 ____ Iron Deposits (B5) _____ Thin Muck Surface (C7)
 ____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)
 ____ Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

____ Surface Soil Cracks (B6)
 ____ Drainage Patterns (B10)
 ____ Moss Trim Lines (B16)
 ____ Dry-Season Water Table (C2)
 ____ Crayfish Burrows (C8)
 ____ Saturation Visible on Aerial Imagery (C9)
 ____ Stunted or Stressed Plants (D1)
 ____ Geomorphic Position (D2)
 ____ Shallow Aquitard (D3)
 ____ Microtopographic Relief (D4)
 ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A
 Water Table Present? Yes _____ No X Depth (inches): N/A
 Saturation Present? Yes _____ No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

VEGETATION : Use scientific names of plants.

Sampling Point: D6

| Tree Stratum (Plot size: <u>30'</u>) | | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------|---------------------|----------------------|---------------------|
| 1. | <i>FIR</i> | <u>10</u> | <u>X</u> | <u>FACW</u> |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| | | <u>10</u> | = Total Cover | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | | Absolute % Cover | Dominant Species? | Indicator Status |
|--|-------------------------------|---------------------|----------------------|---------------------|
| 1. | <i>FRAXINUS PENNSYLVANICA</i> | <u>5</u> | <u>Y</u> | <u>FACW</u> |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| | | <u>5</u> | = Total Cover | |

| Herb Stratum (Plot size: <u>5'</u>) | | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|-------------------------------|---------------------|----------------------|---------------------|
| 1. | <i>Phlox pratensis</i> | <u>25</u> | <u>Y</u> | <u>FACW</u> |
| 2. | <i>Agrostis hyemalis</i> | <u>15</u> | <u>Y</u> | <u>FAC</u> |
| 3. | <i>Alfalfa</i> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 4. | <i>Trifolium</i> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 5. | <i>FRAXINUS PENNSYLVANICA</i> | <u>15</u> | <u>X</u> | <u>FACW</u> |
| 6. | <i>VILIA SATIVA</i> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 7. | <i>Galium aparine</i> | <u>5</u> | <u>N</u> | <u>FACW</u> |
| 8. | <i>Euthamia arvensis</i> | <u>5</u> | <u>N</u> | <u>FAC</u> |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| | | <u>95</u> | = Total Cover | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | | Absolute % Cover | Dominant Species? | Indicator Status |
|---|-------------|---------------------|----------------------|---------------------|
| 1. | <i>None</i> | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| | | <u>0</u> | = Total Cover | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)Total Number of Dominant Species Across All Strata: 5 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 30 (A/B)

Prevalence Index worksheet:

| Total % Cover of: | Multiply by: |
|---------------------------|--------------------|
| OBL species <u>0</u> | x 1 = <u>0</u> |
| FACW species <u>30</u> | x 2 = <u>60</u> |
| FAC species <u>20</u> | x 3 = <u>60</u> |
| FACU species <u>60</u> | x 4 = <u>240</u> |
| UPL species <u>0</u> | x 5 = <u>0</u> |
| Column Totals: <u>110</u> | (A) <u>360</u> (B) |

Prevalence Index = B/A = 3.27

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is < 3.0'
☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: SVL VPL Field

Hydrophytic Vegetation Present?

Yes No X

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

Photo # Direction of Photo

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D7
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): CONCAVE
 Slope (%): <1 Lat: 42.98394 Long: -78.77383 Datum: NAD83
 Soil Map Unit Name: COSAD LOAMY Fine Sand NW 1 classification: PFO

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

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

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? Yes _____ No X (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No _____
 Hydric Soil Present? Yes X No _____
 Wetland Hydrology Present? Yes X No _____

Is the Sampled Area within a Wetland? Yes X No _____
 If yes, optional Wetland Site ID: W10

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

____ Surface Water (A1) X Water-Stained Leaves (B9)
 ____ High Water Table (A2) ____ Aquatic Fauna (B13)
 ____ Saturation (A3) ____ Marl Deposits (B15)
X Water Marks (B1) ____ Hydrogen Sulfide Odor (C1)
 ____ Sediment Deposits (B2) ____ Oxidized Rhizospheres on Living Roots (C3)
 ____ Drift Deposits (B3) ____ Presence of Reduced Iron (C4)
 ____ Algal Mat or Crust (B4) ____ Recent Iron Reduction in Tilled Soils (C6)
 ____ Iron Deposits (B5) ____ Thin Muck Surface (C7)
 ____ Inundation Visible on Aerial Imagery (B7) ____ Other (Explain in Remarks)
 ____ Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

____ Surface Soil Cracks (B6)
 ____ Drainage Patterns (B10)
 ____ Moss Trim Lines (B16)
 ____ Dry-Season Water Table (C2)
 ____ Crayfish Burrows (C8)
 ____ Saturation Visible on Aerial Imagery (C9)
 ____ Stunted or Stressed Plants (D1)
 ____ Geomorphic Position (D2)
 ____ Shallow Aquitard (D3)
 ____ Microtopographic Relief (D4)
 ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A
 Water Table Present? Yes _____ No X Depth (inches): N/A
 Saturation Present? Yes _____ No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No _____

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

Remarks:

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>Quercus palustris</u> | <u>85</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Populus deltoides</u> | <u>10</u> | <u>N</u> | <u>FAC</u> |
| 3. <u>Vitis americana</u> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>85</u> = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>Fraxinus pennsylvanica</u> | <u>5</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Quercus palustris</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>15</u> = Total Cover | | | |

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>Cyperus arundinaceus</u> | <u>8</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Fraxinus pennsylvanica</u> | <u>5</u> | <u>Y</u> | <u>FACW</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| <u>13</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>NA</u> | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| <u>0</u> = Total Cover | | | |

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

Photo # _____

Direction of Photo S

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)Total Number of Dominant Species Across All Strata: 5 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

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

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)

Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: (P. oak swamp)
PFO PFO HNW
swamp

Hydrophytic Vegetation Present?

Yes Y No _____

| Depth (inches) | Matrix | | Redox Features | | | | Texture | Remarks |
|-------------------|---------------|-----|----------------|-----|-------------------|------------------|---------|---------|
| | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | | |
| 0-1 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 1-2 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 2-3 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 3-4 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 4-5 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 5-6 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 6-7 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 7-8 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 8-9 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 9-10 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 10-11 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 11-12 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 12-13 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 13-14 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 14-15 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 15-16 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 16-17 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 17-18 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 18-19 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 19-20 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 20-21 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 21-22 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 22-23 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 23-24 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 24-25 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 25-26 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 26-27 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 27-28 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 28-29 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 29-30 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 30-31 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 31-32 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 32-33 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 33-34 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 34-35 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 35-36 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 36-37 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 37-38 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 38-39 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 39-40 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 40-41 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 41-42 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 42-43 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 43-44 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 44-45 | 10YR 5/6 | 100 | 10YR 5/6 | 100 | 1 | | fine | |
| 45-46</ | | | | | | | | |

[illegible]²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|--|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input checked="" type="checkbox"/> Redox Dark Surface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | | |
| <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) | | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stripped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

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

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D8
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX
 Slope (%): 1-3 Lat: 42.98467 Long: -78.77289 Datum: NAD83
 Soil Map Unit Name: COSAD LOAMY Fine Sand NW 1 classification: _____

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

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

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? Yes _____ No X (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes _____ No X
 Hydric Soil Present? Yes _____ No X
 Wetland Hydrology Present? Yes _____ No X

Is the Sampled Area within a Wetland? Yes _____ No X

If yes, optional Wetland Site ID: _____

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

____ Surface Water (A1) _____ Water-Stained Leaves (B9)
 ____ High Water Table (A2) _____ Aquatic Fauna (B13)
 ____ Saturation (A3) _____ Marl Deposits (B15)
 ____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1)
 ____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3)
 ____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4)
 ____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6)
 ____ Iron Deposits (B5) _____ Thin Muck Surface (C7)
 ____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks)
 ____ Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

____ Surface Soil Cracks (B6)
 ____ Drainage Patterns (B10)
 ____ Moss Trim Lines (B16)
 ____ Dry-Season Water Table (C2)
 ____ Crayfish Burrows (C8)
 ____ Saturation Visible on Aerial Imagery (C9)
 ____ Stunted or Stressed Plants (D1)
 ____ Geomorphic Position (D2)
 ____ Shallow Aquitard (D3)
 ____ Microtopographic Relief (D4)
 ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A
 Water Table Present? Yes _____ No X Depth (inches): N/A
 Saturation Present? Yes _____ No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

VEGETATION : Use scientific names of plants.

Sampling Point: _____

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------|------------------|-------------------|------------------|
| 1. <i>Tilia americana</i> | 15 | V | FACW |
| 2. <i>Rhamnus copallina</i> | 15 | V | FACW |
| 3. <i>Rubus deltoideus</i> | 25 | V | FAC |
| 4. <i>Viburnum americana</i> | 10 | N | FACW |
| 5. <i>Acer rubrum</i> | 10 | N | FAC |
| 6. <i>Acer rubrum</i> | 10 | N | FAC |
| 7. _____ | _____ | _____ | _____ |
| 85 = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: 15') | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <i>Rhamnus copallina</i> | 35 | V | FACW |
| 2. <i>Crataegus sp.</i> | 10 | X | FAC |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 45 = Total Cover | | | |

| Herb Stratum (Plot size: 5') | Absolute % Cover | Dominant Species? | Indicator Status |
|------------------------------|------------------|-------------------|------------------|
| 1. <i>Lonicera tatarica</i> | 15 | V | FACW |
| 2. <i>Rhamnus copallina</i> | 10 | X | FAC |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |
| 25 = Total Cover | | | |

| Woody Vine Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------------|------------------|-------------------|------------------|
| 1. <i>Vitis rotundifolia</i> | 15 | V | FACW |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 15 = Total Cover | | | |

Dominance Test worksheet:Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)Total Number of Dominant Species Across All Strata: 7 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 14 (A/B)**Prevalence Index worksheet:**

| Total % Cover of: | Multiply by: |
|-------------------------------|------------------|
| OBL species <u>0</u> | x 1 = <u>0</u> |
| FACW species <u>10</u> | x 2 = <u>20</u> |
| FAC species <u>45</u> | x 3 = <u>135</u> |
| FACU species <u>15</u> | x 4 = <u>60</u> |
| UPL species <u>0</u> | x 5 = <u>0</u> |
| Column Totals: <u>170</u> (A) | <u>615</u> (B) |

Prevalence Index = B/A = 3.62**Hydrophytic Vegetation Indicators:**

___ Rapid Test for Hydrophytic Vegetation

___ Dominance Test is >50%

___ Prevalence Index is < 3.0¹___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)___ Problematic Hydrophytic Vegetation¹ (Explain)¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**Definitions of Vegetation Strata:****Tree** - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: SVC N H Wood

Hydrophytic Vegetation Present?

Yes _____ No X

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

Photo # _____ Direction of Photo _____

SOIL

Sampling Point:

D8

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

[illegible]

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

Indicators for Problematic Hydric Soils³:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
 - ___ Piedmont Floodplain Soils (F19) (R)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (LRR R, MLRA 149B)

- ___ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ___ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ___ Loamy Mucky Mineral (F1) (LRR K, L)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
☐ Coast Prairie Redox (A16) (LRR K, L, R)
☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
☐ Dark Surface (S7) (LRR K, L)
☐ Polyvalue Below Surface (S8) (LRR K, L)
☐ Thin Dark Surface (S9) (LRR K, L)
☐ Iron-Manganese Masses (F12) (LRR K, L, R)

☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
☐ Red Parent Material (TF2)
☐ Very Shallow Dark Surface (TF12)
☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
 Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D9
 Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
 Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONCAVE
 Slope (%): 0 Lat: 42.98551 Long: -78.77297 Datum: NAD83
 Soil Map Unit Name: COSAD LOAMY FINE SAND NW 1 classification: PGM

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

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

Are Vegetation , Soil , or Hydrology naturally problematic? Yes No X (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No
 Hydric Soil Present? Yes X No
 Wetland Hydrology Present? Yes X No

Is the Sampled Area within a Wetland? Yes X No
 If yes, optional Wetland Site ID: W8

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

 Surface Water (A1) X Water-Stained Leaves (B9)
 High Water Table (A2) Aquatic Fauna (B13)
 Saturation (A3) Marl Deposits (B15)
X Water Marks (B1) Hydrogen Sulfide Odor (C1)
 Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)
 Drift Deposits (B3) Presence of Reduced Iron (C4)
 Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)
 Iron Deposits (B5) Thin Muck Surface (C7)
 Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)
 Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

 Surface Soil Cracks (B6)
 Drainage Patterns (B10)
 Moss Trim Lines (B16)
 Dry-Season Water Table (C2)
 Crayfish Burrows (C8)
 Saturation Visible on Aerial Imagery (C9)
 Stunted or Stressed Plants (D1)
 Geomorphic Position (D2)
 Shallow Aquitard (D3)
 Microtopographic Relief (D4)
 FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No X Depth (inches): N/A
 Water Table Present? Yes No X Depth (inches): N/A
 Saturation Present? Yes No X Depth (inches): N/A
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No

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

Remarks:

VEGETATION : Use scientific names of plants.

Sampling Point: D9

| Tree Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------|------------------|-------------------|------------------|
| 1. <i>FRAXINUS AMERICANA</i> | 30 | ✓ | FACW |
| 2. <i>QUERCUS ALBURA</i> | 20 | ✓ | FACW |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| <u>50</u> = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: 15') | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <i>FRAXINUS AMERICANA</i> | 15 | ✓ | FACW |
| 2. <i>CORNUS SERICEA</i> | 5 | ✓ | FACW |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| <u>20</u> = Total Cover | | | |

| Herb Stratum (Plot size: 5') | Absolute % Cover | Dominant Species? | Indicator Status |
|------------------------------|------------------|-------------------|------------------|
| 1. <i>AGR. RUBRUM</i> | 5 | N | FAC |
| 2. <i>AGR. RUBRUM</i> | 5 | N | FAC |
| 3. <i>AGR. RUBRUM</i> | 15 | ✓ | FACW |
| 4. <i>AGR. RUBRUM</i> | 30 | ✓ | FACW |
| 5. <i>FRAXINUS AMERICANA</i> | 10 | N | FACW |
| 6. <i>FRAXINUS AMERICANA</i> | 15 | ✓ | FACW |
| 7. <i>CORNUS SERICEA</i> | 5 | N | NF |
| 8. <i>FRAXINUS AMERICANA</i> | 5 | N | FAC |
| 9. | | | |
| 10. | | | |
| 11. | | | |
| 12. | | | |
| <u>15</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: 30') | Absolute % Cover | Dominant Species? | Indicator Status |
|-------------------------------------|------------------|-------------------|------------------|
| 1. <i>AGR. RUBRUM</i> | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| <u>0</u> = Total Cover | | | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)Total Number of Dominant Species Across All Strata: 7 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: Multiply by:

OBL species 0 x 1 = 0FACW species 0 x 2 = 0FAC species 0 x 3 = 0FACU species 0 x 4 = 0UPL species 0 x 5 = 0Column Totals: 0 (A) 0 (B)Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

☐ Rapid Test for Hydrophytic Vegetation☐ Dominance Test is >50%☐ Prevalence Index is < 3.0¹☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)☐ Problematic Hydrophytic Vegetation¹ (Explain)¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: PERMANENT EMERGENT MARSH

Hydrophytic Vegetation Present?

Yes ✓ No

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

Photo # Direction of Photo

[illegible]²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|--|---|--|
| ___ Histosol (A1) | ___ Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | ___ 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| ___ Histic Epipedon (A2) | ___ Thin Dark Surface (S9) (LRR R, MLRA 149B) | ___ Coast Prairie Redox (A16) (LRR K, L, R) |
| ___ Black Histic (A3) | ___ Loamy Mucky Mineral (F1) (LRR K, L) | ___ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ___ Hydrogen Sulfide (A4) | ___ Loamy Gleyed Matrix (F2) | ___ Dark Surface (S7) (LRR K, L) |
| ___ Stratified Layers (A5) | ___ Depleted Matrix (F3) | ___ Polyvalue Below Surface (S8) (LRR K, L) |
| ___ Depleted Below Dark Surface (A11) | ___ Redox Dark Surface (F6) | ___ Thin Dark Surface (S9) (LRR K, L) |
| ___ Thick Dark Surface (A12) | ___ Depleted Dark Surface (F7) | ___ Iron-Manganese Masses (F12) (LRR K, L, R) |
| ___ Sandy Mucky Mineral (S1) | ___ Piedmont Floodplain Soils (F19) (MLRA 149B) | |
| ___ Sandy Gleyed Matrix (S4) | ___ Redox Depressions (F8) | ___ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| ___ Sandy Redox (S5) | | ___ Red Parent Material (TF2) |
| ___ Stripped Matrix (S6) | | ___ Very Shallow Dark Surface (TF12) |
| ___ Dark Surface (S7) (LRR R, MLRA 149B) | | ___ Other (Explain in Remarks) |

Restrictive Layer (if observed):

Type: NAME

Depth (inches): 110

Hydric Soil Present? Yes X No

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club – 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D10
Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
Landform (hillslope, terrace, etc.): STREAM TERRACE Local relief (concave, convex, none): CONVEX
Slope (%): 3-5 Lat: 42.98532 Long: -78.76942 Datum: NAD83
Soil Map Unit Name: Teal silt loam NW 1 classification: _____

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

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

| | |
|---|---|
| Hydrophytic Vegetation Present? Yes _____ No <u>X</u> | Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> |
| Hydric Soil Present? Yes _____ No <u>X</u> | If yes, optional Wetland Site ID: _____ |
| Wetland Hydrology Present? Yes _____ No <u>X</u> | |

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

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

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>FRAXINUS PENSYLVANICA</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>JALISCA NIGRA</u> | <u>35</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>JALISCA NIGRA</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 4. <u>ALNUS INCANA</u> | <u>10</u> | <u>N</u> | <u>FAC</u> |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |

75 = Total Cover

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>FRAXINUS PENSYLVANICA</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>RHAMNUS CATAWBIENSIS</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>ALNUS INCANA</u> | <u>10</u> | <u>Y</u> | <u>FAC</u> |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |

35 = Total Cover

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>Urtica dioica</u> | <u>25</u> | <u>Y</u> | <u>NI</u> |
| 2. <u>EUPHORBIA</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>FRAXINUS PENSYLVANICA</u> | <u>10</u> | <u>N</u> | <u>FACW</u> |
| 4. <u>FRAXINUS PENSYLVANICA</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 5. <u>TOXODENDRON</u> | <u>10</u> | <u>N</u> | <u>FAC</u> |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |

75 = Total Cover

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>VITIS ACUTALIS</u> | <u>25</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>PARthenocissus quinquefolia</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>TOXODENDRON</u> | <u>10</u> | <u>Y</u> | <u>FAC</u> |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ |

50 = Total Cover

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)Total Number of Dominant Species Across All Strata: 12 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 42 (A/B)

Prevalence Index worksheet:

| Total % Cover of: | Multiply by: |
|--------------------------------------|--------------------|
| OBL species <u>0</u> | x 1 = <u>0</u> |
| FACW species <u>70</u> | x 2 = <u>140</u> |
| FAC species <u>40</u> | x 3 = <u>120</u> |
| FACU species <u>100</u> | x 4 = <u>400</u> |
| UPL species <u>0</u> | x 5 = <u>0</u> |
| Column Totals: <u>210</u> | (A) <u>660</u> (B) |
| Prevalence Index = B/A = <u>3.14</u> | |

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is < 3.0¹
☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation¹ (Explain)

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

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.**Herb** - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.**Woody vines** - All woody vines greater than 3.28 ft in height.Community Type: Sue Creek N side

Hydrophytic Vegetation Present?

Yes No X

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

Photo # _____

Direction of Photo _____

| Depth (inches) | Matrix | | Redox Features | | | | Texture | Remarks |
|-------------------|---------------|---|----------------|---|-------------------|------------------|---------|---------|
| | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | | |

[illegible]²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Piedmont Floodplain Soils (F19) (M)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (LRR R, MLRA 149B)

- ___ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ___ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ___ Loamy Mucky Mineral (F1) (LRR K, L)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

- ___ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
 - ___ Coast Prairie Redox (A16) (LRR K, L, R)
 - ___ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
 - ___ Dark Surface (S7) (LRR K, L)
 - ___ Polyvalue Below Surface (S8) (LRR K, L)
 - ___ Thin Dark Surface (S9) (LRR K, L)
 - ___ Iron-Manganese Masses (F12) (LRR K, L, R)
-
- ___ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
 - ___ Red Parent Material (TF2)
 - ___ Very Shallow Dark Surface (TF12)
 - ___ Other (Explain in Remarks)

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

WETLAND DETERMINATION DATA FORM Northcentral and Northeast Region

Project/Site: Westwood Country Club - 772 North Forest Road City/County: Amherst/Erie County Sampling Date: September 24, 2012
Applicant/Owner: Mensch Capital Partners, LLC State: NY Sampling Point: D1
Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 68.01-1-1
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): CONVEX
Slope (%): 3 Lat: 42.98158 Long: -78.77171 Datum: NAD83
Soil Map Unit Name: Claverack bony fine sand, 0-3% slopes NW 1 classification: _____

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

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

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

HYDROLOGY

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

Sampling Point: 011

VEGETATION : Use scientific names of plants.

| Tree Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---------------------------------------|------------------|-------------------|------------------|
| 1. <u>Pitch oaks</u> | <u>15</u> | <u>Y</u> | <u>NI</u> |
| 2. <u>Juglans nigra</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 3. <u>Acer glabrum</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 4. <u>Fraxinus pennsylvanica</u> | <u>5</u> | <u>N</u> | <u>FACW</u> |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>40</u> = Total Cover | | | |

| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--|------------------|-------------------|------------------|
| 1. <u>Rhamnus coccinea</u> | <u>35</u> | <u>Y</u> | <u>FACW</u> |
| 2. <u>Rubus idaeus</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ |
| <u>45</u> = Total Cover | | | |

| Herb Stratum (Plot size: <u>5'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|--------------------------------------|------------------|-------------------|------------------|
| 1. <u>Rhamnus coccinea</u> | <u>2</u> | <u>N</u> | <u>FACW</u> |
| 2. <u>Aster multiflorus</u> | <u>7</u> | <u>N</u> | <u>FACW</u> |
| 3. <u>Veronica dioica</u> | <u>20</u> | <u>Y</u> | <u>FACW</u> |
| 4. <u>Solidago canadensis</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 5. <u>Cirsium discolor</u> | <u>10</u> | <u>Y</u> | <u>FACW</u> |
| 6. <u>Rumex crispus</u> | <u>5</u> | <u>N</u> | <u>NI</u> |
| 7. <u>Asplenium platyneuron</u> | <u>7</u> | <u>N</u> | <u>NI</u> |
| 8. <u>Leonurus cardiaca</u> | <u>10</u> | <u>Y</u> | <u>NI</u> |
| 9. <u>Salvinia helodes</u> | <u>5</u> | <u>N</u> | <u>FACW</u> |
| 10. <u>Verbena officinalis</u> | <u>3</u> | <u>N</u> | <u>FACW</u> |
| 11. <u>Dipsacus laevis</u> | <u>8</u> | <u>N</u> | <u>NI</u> |
| 12. _____ | _____ | _____ | _____ |
| <u>92</u> = Total Cover | | | |

| Woody Vine Stratum (Plot size: <u>30'</u>) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|------------------|-------------------|------------------|
| 1. <u>Vitis rotundifolia</u> | <u>15</u> | <u>Y</u> | <u>FACW</u> |
| 2. _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ |
| <u>15</u> = Total Cover | | | |

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)Total Number of Dominant Species Across All Strata: 10 (B)Percent of Dominant Species That Are OBL, FACW, or FAC: 20 (A/B)

Prevalence Index worksheet:

| Total % Cover of: | Multiply by: |
|--------------------------------------|-----------------|
| OBL species <u>0</u> | x 1 = <u>0</u> |
| FACW species <u>5</u> | x 2 = <u>10</u> |
| FAC species <u>25</u> | x 3 = <u>75</u> |
| FACU species <u>17</u> | x 4 = <u>68</u> |
| UPL species <u>0</u> | x 5 = <u>0</u> |
| Column Totals: <u>147</u> (A) | <u>53</u> (B) |
| Prevalence Index = B/A = <u>3.76</u> | |

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is < 3.0¹
☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ Problematic Hydrophytic Vegetation¹ (Explain)

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

Definitions of Vegetation Strata:

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

Hydrophytic Vegetation Present?

Yes _____ No X

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

Photo # _____

Direction of Photo _____

Disturbed

| Depth (inches) | Matrix | | Redox Features | | | | Texture | Remarks |
|-------------------|---------------|---|----------------|---|-------------------|------------------|---------|---------|
| | Color (moist) | % | Color (moist) | % | Type ¹ | Loc ² | | |

[illegible]²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|--|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | | |
| <input type="checkbox"/> _____ Piedmont Floodplain Soils (F19) (MLRA 149B) | | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> -Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stripped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

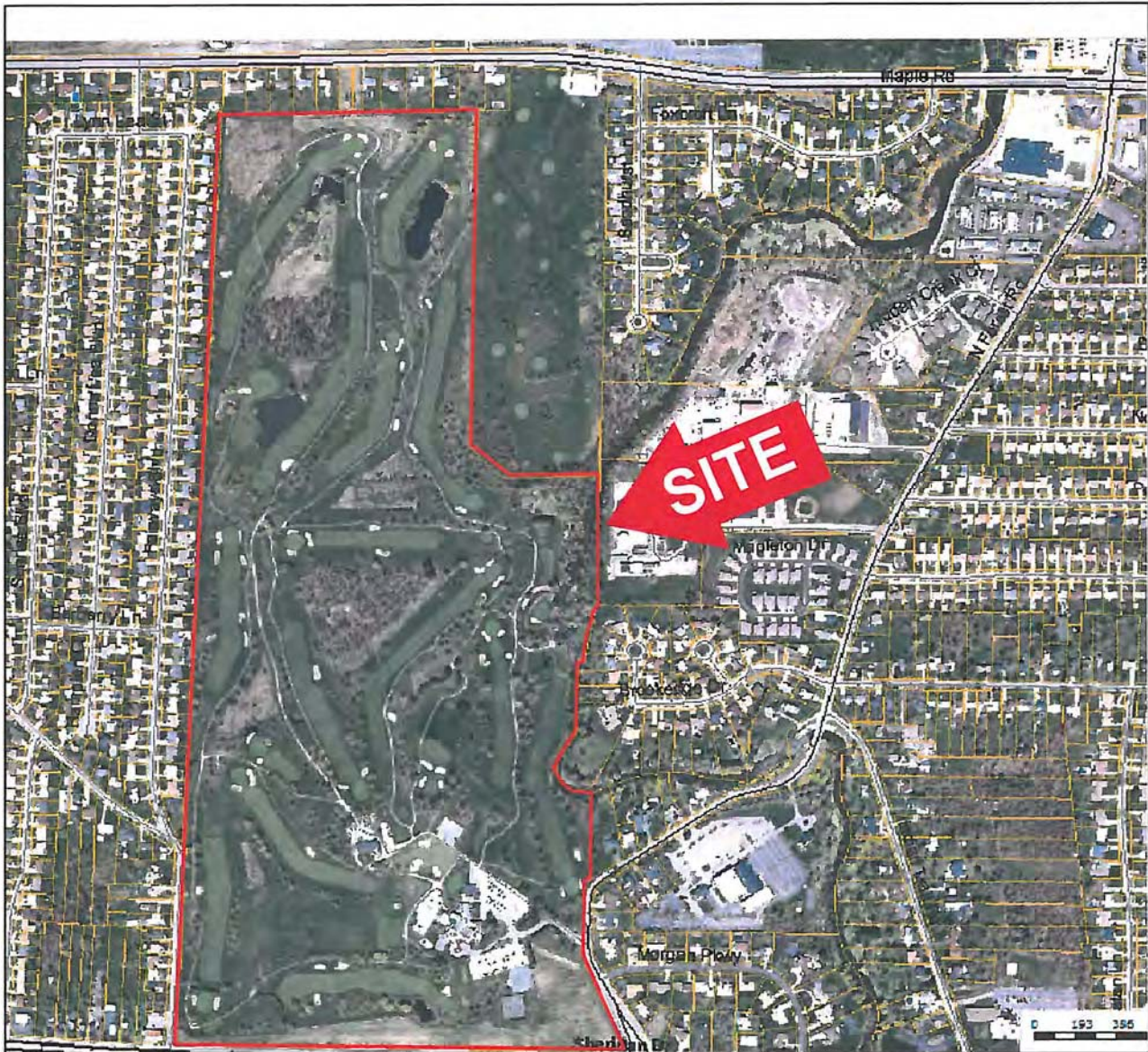
Hydric Soil Present? Yes _____ No X

Remarks:

Westwood Country Club



ATTACHMENT C
Aerial Photograph



EARTH DIMENSIONS, INC.

* Soil & Hydrogeologic Investigations * Wetland Delineations
 1091 Jamison Road, Elma NY 14059
 (716) 655-1717 * Fax (716) 655-2915 www.earthdimensions.com

Attachment C: Aerial Photograph
<http://gis1.erie.gov/GC/ErieCountyNY/default.htm>
 Site visited 9/11/2012



Westwood Country Club
 Town of Amherst, Erie County, New York

Westwood Country Club



ATTACHMENT D *Site Photographs*



Photo 1: Facing east. Depicts the northern portion of the investigation area.



Photo 2: Facing south. Depicts the western portion of the investigation area.



Photo 3: Facing south. Depicts the young hardwood swamp of wetland W1 and data point D1.



Photo 4: Facing southwest. Depicts the old field community of data point D2.



Photo 5: Facing north. Depicts the old field community south of wetland W2.



Photo 6: Facing north. Depicts the scrub-shrub swamp community of wetland W2.





Photo 7: Facing northwest. Depicts open water cattail pond of wetland W3.



Photo 8: Facing south. Depicts the mowed lawn from the adjacent old field community.



Photo 9: Facing northeast. Depicts a cart path between two mowed lawn communities.



Photo 10: Facing north. Depicts the open water community of wetland W4.



Photo 11: Facing south. Depicts the mowed lawn community south of wetland W4.



Photo 12: Facing north. Depicts the hardwood swamp community of wetland W5 and data point D4.





Photo 13: Facing north. Depicts the successional northern hardwood community of data point D5.



Photo 14: Facing southwest. Depicts the open water community of Wetland W6.



Photo 15: Facing east. Depicts the mowed lawn community east of wetland W5.



Photo 16: Facing northwest. Depicts the mowed lawn community from the old field community.



Photo 17: Facing east. Depicts wetland W7.



Photo 18: Facing west. Depicts the mowed lawn community from wetland W8.





Photo 19: Facing west. Depicts the southern portion of the investigation area.



Photo 21: Facing northwest. Depicts the open water community of wetland W9.



Photo 23: Facing north. Depicts the bridge crossing the ditch at the south side of the investigation area.



Photo 20: Facing north. Depicts the eastern portion of the investigation area.



Photo 22: Facing west. Depicts the east end of an ditch on south side of investigation area.



Photo 24: Facing south. Depicts the bridge crossing the ditch at the south side of the investigation area.





Photo 25: Facing west. Depicts the culvert on the east side of the ditch.



Photo 26: Facing east. Depicts the second bridge at the south east side of investigation area



Photo 27: Facing south. Depicts the old field community Between two mowed lawn communities.



Photo 28: Facing southeast. Depicts the old field community of data point D6.



Photo 29: Facing south. Depicts the hardwood swamp community of wetland W10 and data point D7.

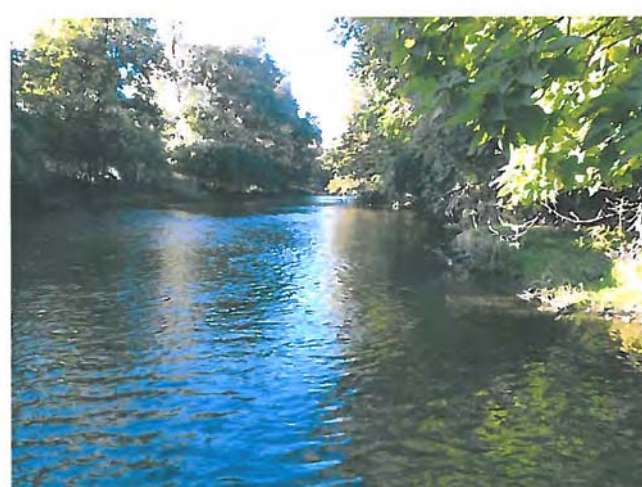


Photo 30: Facing south. Depicts Ellicott Creek.





Photo 31: Facing north. Depicts the successional northern hardwoods of data point D10.



Photo 33: Facing west. Depicts the Ellicott Creek oxbow surrounding golf green.



Photo 35: Facing west. Depicts the area to the east data point D11.



Photo 32: Facing south. Depicts a small swale to the east of Ellicott Creek.



Photo 34: Facing northeast. Depicts the area to the east of data point D11.



Photo 36: Facing southwest. Depicts the area to the east of D11.





Photo 37: Facing southeast. Depicts the area to the southeast of data point D11.



Westwood Country Club



ATTACHMENT E *References*

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Westwood Country Club



ATTACHMENT F
Wetland Investigation Personnel

WETLAND INVESTIGATION PERSONNEL

Soils and Hydrology Sampling

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