

7116110

WETLAND Extension

IC733B-553

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRLOF City/County: Clinton Sampling Date: 7/16/10
Applicant/Owner: MR, LLC State: NY Sampling Point: 553
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Roadside Edge Local relief (concave, convex, none): Shallow Depression
Slope (%): 55% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PSS/PEM
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No
Hydric Soil Present? Yes X No
Wetland Hydrology Present? Yes X No
Is the Sampled Area within a Wetland? Yes X No
Remarks: (Explain alternative procedures here or in a separate report.)
EXTENSION OF WETLAND IC733B PSS/PEM
MANN'S DEC WETLAND
CLOSED POLYGON (-100 to -129) (CLOSED POLY)

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6)
High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10)
Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8)
Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1)
Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes No X Depth (inches): n/a
Water Table Present? Yes X No Depth (inches): 2"
Saturation Present? Yes X No Depth (inches): 0"
Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Photo 0001 => SW FROM BOHLEN RD.

7116110

ICF33B-SS3

WETLAND

VEGETATION - Use scientific names of plants.

Sampling Point: SS3

Tree Stratum (Plot size: \emptyset)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. N/A	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Sapling/Shrub Stratum (Plot size: 15' R)

Species	Absolute % Cover	Dominant Species?	Indicator Status
1. SALIX SERICEA	5	N	OBL
2. SALIX BEBBIANA	15	Y	FACW
3. FRAXINUS PENNSYLVANICA	5	N	FACW
4. ULMUS AMERICANA	5	N	FACW
5. SPIRAEA LATIFOLIA	10	Y	FAC
6. _____	_____	_____	_____
7. _____	_____	_____	_____

2090 → 8 = Total Cover

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 = _____

Herb Stratum (Plot size: 5' R)

Species	Absolute % Cover	Dominant Species?	Indicator Status
1. ONOCLEA SENSIBILIS	25	Y	FACW
2. CHELOE GLABRA	15	N	OBL
3. EPILOBIUM SP.	20	N	OBL
4. CAREX SCOPARIA	5	N	FACW
5. AGROSTIS GIGANTEA	10	N	FACW
6. CAREX VULPINOIDEA	5	N	OBL
7. IMPATIENS CAPENSIS	20	N	FACW
8. EUPATORIUM MACULATUM	5	N	FACW
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

2090 → 21 = Total Cover

- 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.

Woody Vine Stratum (Plot size: \emptyset)

1. N/A	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

_____ = Total Cover

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.

Hydrophytic Vegetation Present? Yes No

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

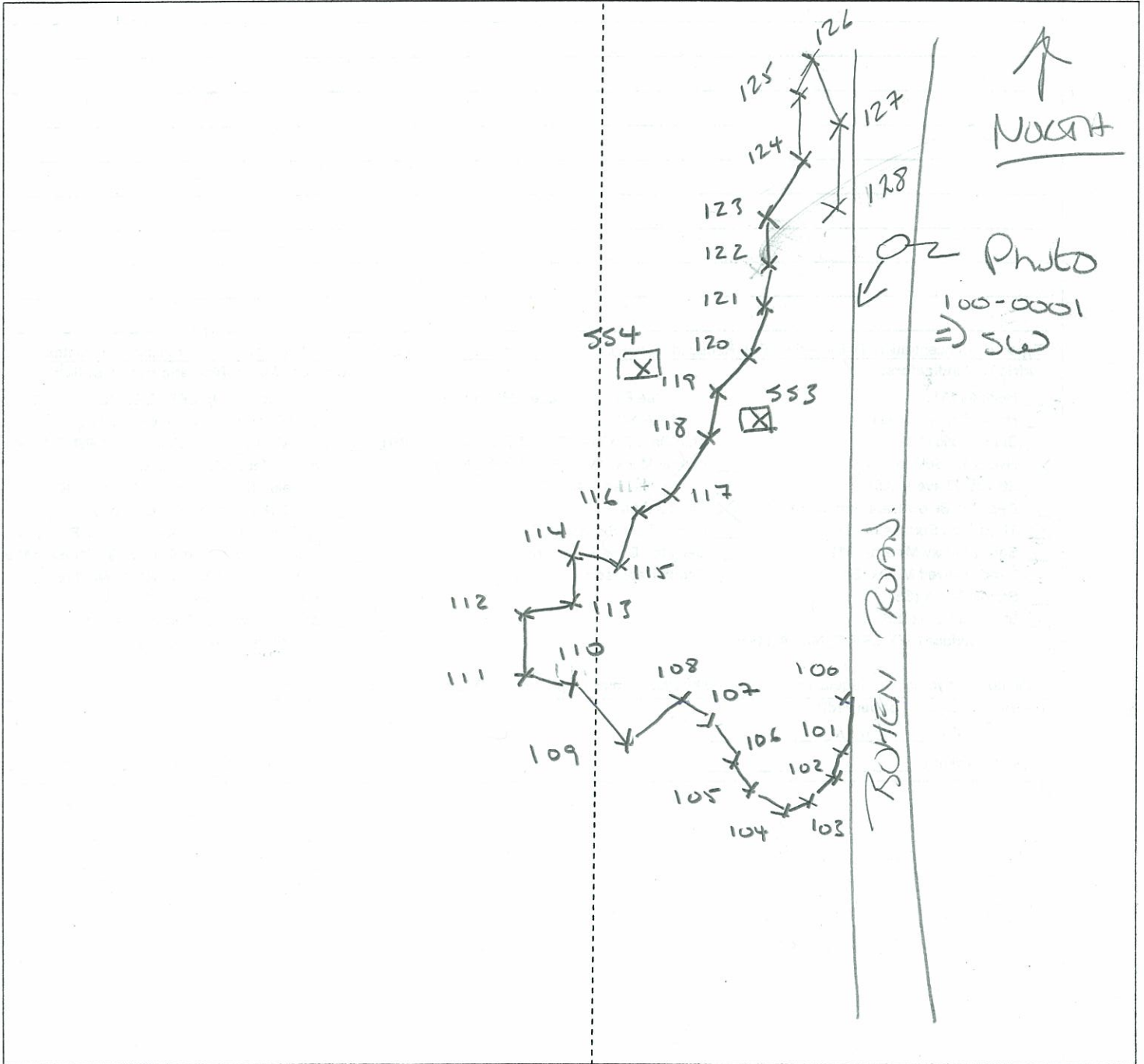
CATTAIL OTHER PARTS OF WETLAND

IC733B-553

7/16/10

SKETCH FORM

WETLAND ID/ROUTE ID: IC733B.	PROJECT: MRWF	
INITIALS OF DELINEATORS: RJD.	DATE: 7/16/10	TIME:
PHOTO ID: 100-0001 ⇒ SW	LOCATION:	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag

- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

7116110

UPLAND

IC 733-554

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7116110
 Applicant/Owner: MR LLC State: NY Sampling Point: 554
 Investigator(s): DELAHUNTY Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Slight slope to E Local relief (concave, convex, none): none
 Slope (%): <5% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	
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"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

IC733B-SS4

7116110

Upland

VEGETATION - Use scientific names of plants.

Sampling Point: SS4

Tree Stratum (Plot size: 30'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. PYRUS MALUS	10	Y	UPL*
2. POPULUS TREMULOIDES	25	Y	FACU
3.			
4.			
5.			
6.			
7.			

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

2090 → 7

Sapling/Shrub Stratum (Plot size: 15'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. PRUNUS SEROTINA	5	N	FACU
2. Urticum LENTAGO	25	Y	FAC
3. SPIREA LATIFOLIA	20	Y	FAC
4.			
5.			
6.			
7.			

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>90</u>	x 3 = <u>270</u>
FACU species <u>40</u>	x 4 = <u>160</u>
UPL species <u>15</u>	x 5 = <u>75</u>
Column Totals: <u>145</u> (A)	<u>505</u> (B)

Prevalence Index = B/A = 3.48

2090 → 10

Herb Stratum (Plot size: 5'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. SOLIDAGO RUGOSA	15	N	FAC
2. SOLIDAGO CANADENSIS	15	N	FAC
3. SPIREA LATIFOLIA	15	N	FAC
4. ASTER SP.	10	N	—
5. GRASS SP.	20	Y	—
6. VICIA CRACCA	5	N	UPL*
7. PRUNUS SEROTINA	5	N	FACU
8. POPULUS TREMULOIDES	5	N	FACU
9.			
10.			
11.			
12.			

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.

2090 → 18

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

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.

Hydrophytic Vegetation Present? Yes _____ No X

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

** unidentified GRASS Sp not used in Dominance Test.

* not listed.

IC 733B-SS4

7116110

UPLAND

SOIL

Sampling Point: SS4

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR3/2	100					silty clay	
8-20	10YR5/2	75	7.5YR5/6	25	C	M	Sandy clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

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

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

Indicators for Problematic Hydric Soils³:

- 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)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators 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

Remarks:

Worms in upper 8"

7/17/10

WETLAND

AR7000-SSI

(ASSOCIATED W/IC)

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/17/10
 Applicant/Owner: MR LLC State: NY Sampling Point: SSI
 Investigator(s): DELAHUNTY Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Relatively flat Local relief (concave, convex, none): none
 Slope (%): < 5% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: PSS/PEM
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	

Remarks: (Explain alternative procedures here or in a separate report.)
MAPPED DEC 2009 W/ WETLANDS
(1-31) PSS/PEM - PORTIONS ACTIVE COW PASTURE
+ (100-130) - OPEN TO SOUTH

HYDROLOGY

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

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____

Water Table Present? Yes No _____ Depth (inches): 12"

Saturation Present? Yes No _____ Depth (inches): 0"

(includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

(Previous PEM w/ drainage pattern)

WESTERN BRANCH FLOW TO

- DRAINAGE TO NW

- BURRESSED TREE TRUNKS

NW - TERMINATES INTO UPLANDS

- Photo 100-0005 => WSW AT SSI field

- Photo 100-0006 => SE From - 121

WERNAN

VEGETATION – Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: <u>30'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ULMUS AMERICANA</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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)

10 = Total Cover

Sapling/Shrub Stratum (Plot size: <u>15'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SALIX SERICEA</u>	<u>30</u>	<u>Y</u>	<u>OBL</u>
2. <u>SALIX REBHIANA</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
3. <u>ULMUS AMERICANA</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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 = _____

20% → 12

60 = Total Cover

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SPIRUA TOMENTOSA</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
2. <u>ASTER UMBELLATUS</u>	<u>25</u>	<u>Y</u>	<u>FACW</u>
3. <u>IMPATIENS CAPENSIS</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
4. <u>ASTER JUNCIFORMIS</u>	<u>15</u>	<u>Y</u>	<u>OBL</u>
5. <u>SPIRUA LATIFOLIA</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

- 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.

20% → 15

75 = Total Cover

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>OIA</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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.

Hydrophytic Vegetation Present? Yes No

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

NORTH WEST Trince

Glyceria, FEW WEEDS, willow herb

STANDJ / Plot WARD TO NW - SULFONIC OXIDE

SOIL

Sampling Point: SS1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 2/1	95	10YR 3/3	<5	C	PL	Silty clay	
10-20	10YR 5/2	80	10YR 4/3	20	C	M	Sandy clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

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

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

Indicators for Problematic Hydric Soils³:

- 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)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):

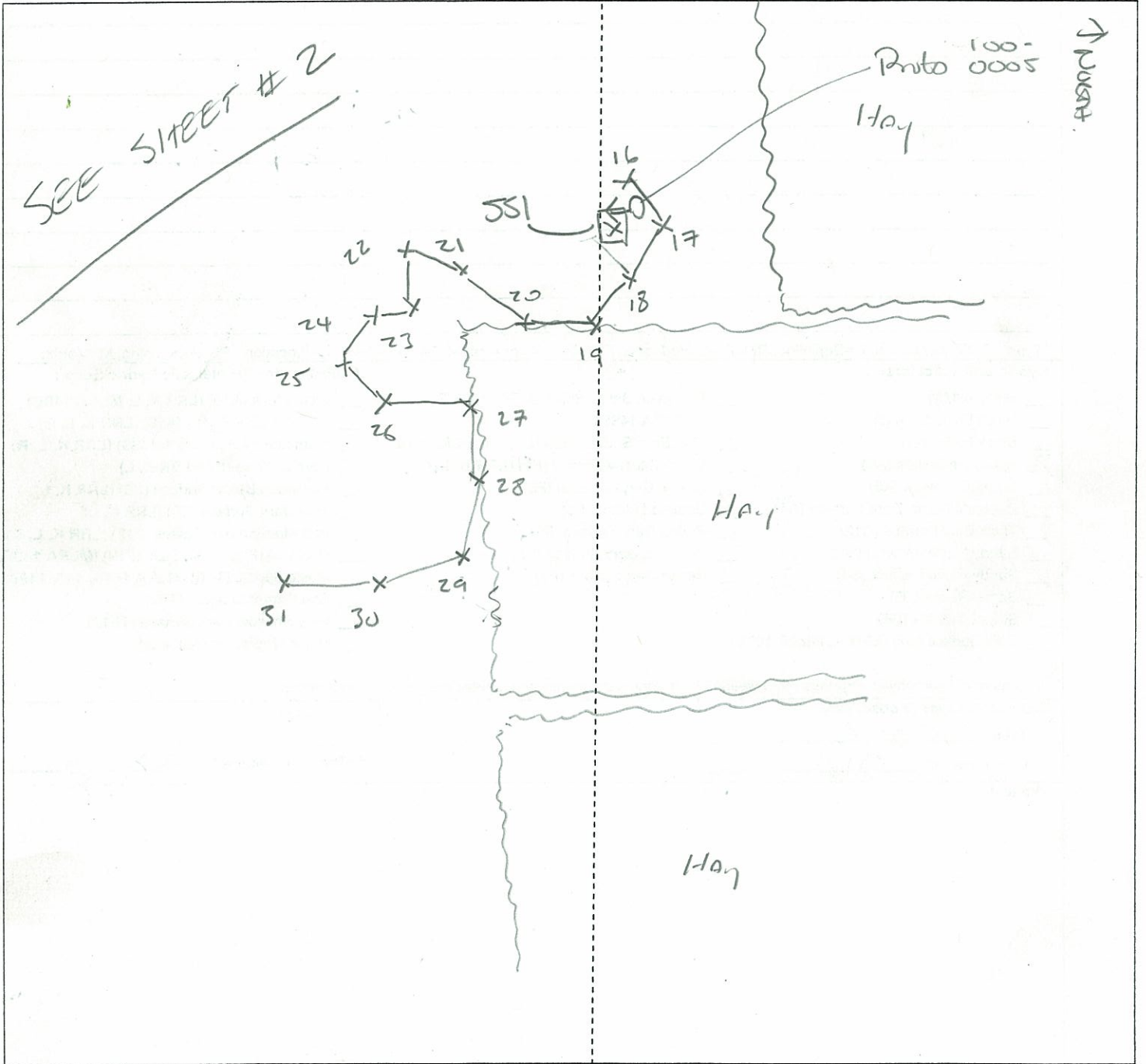
Type: None
 Depth (inches): N/A

Hydric Soil Present? Yes No

Remarks:

SKETCH SHEET 1062 SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 100-0005 ⇒ WSW	LOCATION:	



LEGEND	
	Photo Location / Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream

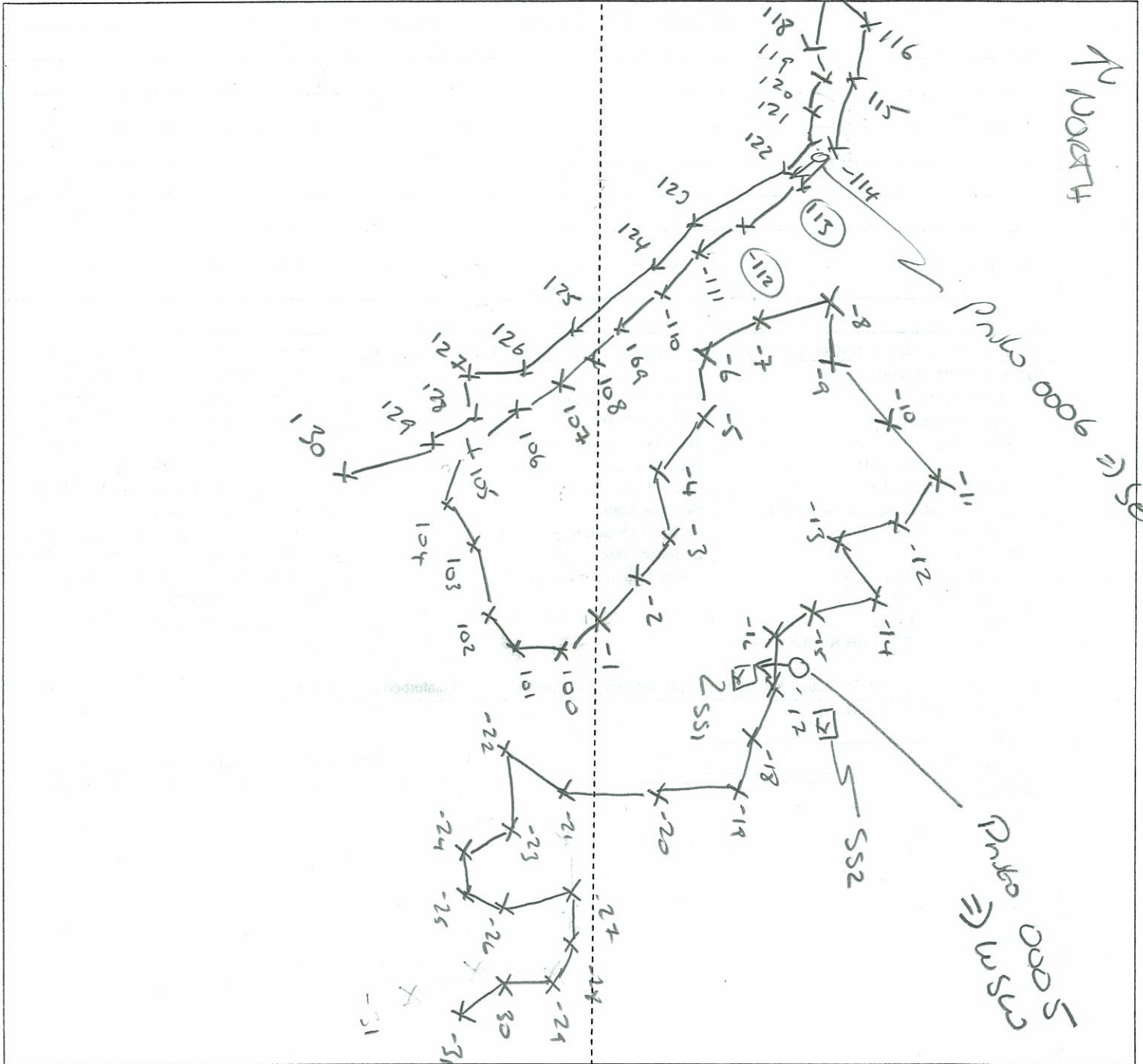
AR7000-SS1

SKETCH

7/17/10

SKETCH SHEET 282 SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	



LEGEND

-  Photo Location / Direction
-  Sample Station
-  Centerline
-  Flag

-  Wetland
-  Upland
-  Perennial Stream
-  Intermittent Stream

WERAND AR7000

GPS Points not able to Acquire
DISTANCE AND BEARING.

(-112 1/2 - 113)

(A)
121 → 113
334° / 15'

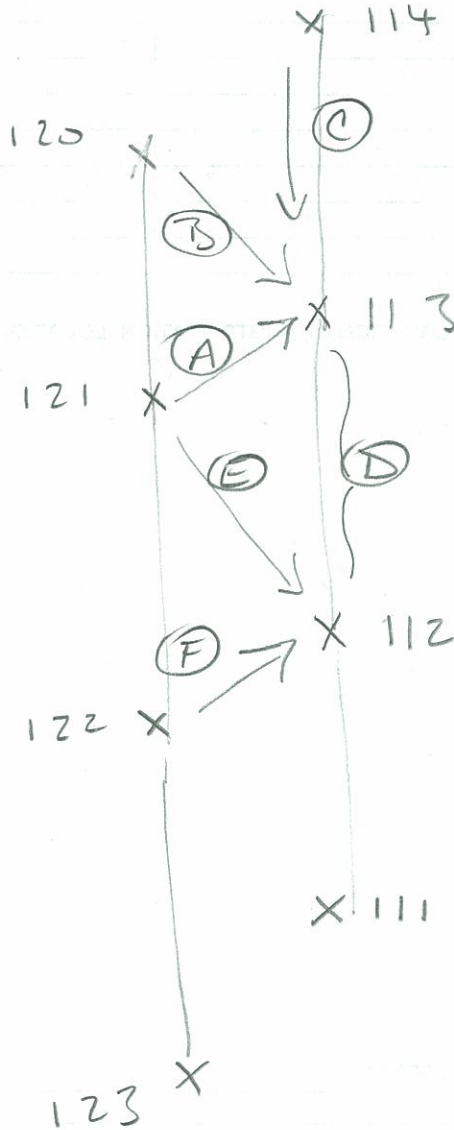
(B)
120 → 113
98° / 21'

(C)
114 → 113
126° / 45'

(D)
113 → 112
130° / 36'

(E)
121 → 112
132° / 21'

(F)
122 → 112
24° / 12'



AR7000-SS2

UPLANDS

7117110

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/17/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SS2
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): RELATIVELY FLAT Local relief (concave, convex, none): none
Slope (%): < 5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: none

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

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

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

Field Observations:
Surface Water Present? Yes No [X] Depth (inches):
Water Table Present? Yes No [X] Depth (inches):
Saturation Present? Yes No [X] Depth (inches):
Wetland Hydrology Present? Yes No [X]

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

Remarks:

717110

UPLANDS

AR7000-552

VEGETATION - Use scientific names of plants.

Sampling Point: 552

Tree Stratum (Plot size: 30' R)	Absolute % Cover	Dominant Species?	Indicator Status
1. PYRUS MALUS	20	Y	UPL
2. LILIA AMERICANA	20	Y	FACU
3. POPULUS TREMULOIDES	40	Y	FACU
4.			
5.			
6.			
7.			

20% → 16 = Total Cover

Sapling/Shrub Stratum (Plot size: 15' R)	Absolute % Cover	Dominant Species?	Indicator Status
1. RUBUS ALLEGHENIENSIS	10	Y	FACU
2. RUBUS IDAEUS	10	Y	FAC
3. SPIRAEA LATIFOLIA	10	Y	FAC
4.			
5.			
6.			
7.			

20% → 6 = Total Cover

Herb Stratum (Plot size: 5' R)	Absolute % Cover	Dominant Species?	Indicator Status
1. VICIA CRACCA	10	N	UPL*
2. RHEUM PRATENSE	5	N	FACU
3. CIRCIUM SP.	5	N	—
4. RUBUS IDAEUS	30	Y	FAC
5. GRASS SP.	10	N	—
6. IMPATIENS CAPENSIS	10	N	FACU
7.			
8.			
9.			
10.			
11.			
12.			

20% → 14 = Total Cover

Woody Vine Stratum (Plot size: 4)	Absolute % Cover	Dominant Species?	Indicator Status
1. N/A			
2.			
3.			
4.			

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

* NOT LISTED

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
 Total Number of Dominant Species Across All Strata: 7 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 43% (A/B)

Prevalence Index worksheet:
 Total % Cover of: 80 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)
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.

Hydrophytic Vegetation Present? Yes No

WTB 91-7001-SS1

WETLAND

7/17/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: CLINTON Sampling Date: 7/17/10
 Applicant/Owner: MR LLC State: NY Sampling Point: SS1
 Investigator(s): DELAHUNTY Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Slight slope to EAST Local relief (concave, convex, none): NONE
 Slope (%): 5% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: PSS1PEM
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	

Remarks: (Explain alternative procedures here or in a separate report.)
PEM - & PSS1PEM
NOT mapped NWI

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; check all that apply)		_____ Surface Soil Cracks (B6)	
<input checked="" type="checkbox"/> Surface Water (A1) <u>in places</u>	_____ Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Drainage Patterns (B10)	_____ Moss Trim Lines (B16)
<input checked="" type="checkbox"/> High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Dry-Season Water Table (C2)	_____ Crayfish Burrows (C8)
<input checked="" type="checkbox"/> Saturation (A3)	_____ Marl Deposits (B15)	_____ Saturation Visible on Aerial Imagery (C9)	_____ Stunted or Stressed Plants (D1)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Geomorphic Position (D2)	_____ Shallow Aquitard (D3)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Microtopographic Relief (D4)	_____ FAC-Neutral Test (D5)
_____ 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)			

Field Observations:		
Surface Water Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>2"</u>		
Water Table Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>0"</u>		
Saturation Present? (includes capillary fringe) Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>0"</u>		
	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	

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

Remarks:
 Photo 100-0010 => East From between flags 11 to 12
 " " 0011 => East From flag 6
 " " 0012 => South From between flags 2 & 3
 " " 0013 => East From between 26 to 27

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Sapling/Shrub Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

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 = _____

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SCIRPUS MICROCARPUS</u>	<u>10</u>	<u>N</u>	<u>OBL</u>
2. <u>SCIRPUS ATROVIRENS</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
3. <u>CAREX ULLIPIPOIDEA</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
4. <u>Epilobium sp.</u>	<u><5</u>	<u>N</u>	<u>OBL</u>
5. <u>JUNCUS EGGUSUS</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
6. <u>CAREX CRINITA</u>	<u>15</u>	<u>N</u>	<u>OBL</u>
7. <u>GLYCERIA SP</u>	<u>15</u>	<u>N</u>	<u>OBL</u>
8. <u>ONOCLEA SENSIBILIS</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
9. <u>IMPATIENS CAENSIS</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
10. <u>EUTHAMIA GRAMINIFOLIA</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
11.			
12.			
<u>20% → 19</u>	<u>95</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.

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			

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.

Hydrophytic Vegetation Present? Yes No

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

SAMPLE STATION COLLECTED FROM FERN COMPONENT (ACTIVE COW PASTURE)

SS/PERM - Silky willow; Beak willow; Green Ash; Amer Elm; Sensitive Fern; CAREX CRINITA; narrow leaf G. Rd.

WTG 91-7001-SS1

WETA

7/17/10

SOIL

Sampling Point: SS1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	2.5Y3/1	100					Silty clay	
14-20	2.5Y5/2	95	10YR5/4	5	C	PL	Sandy loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

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

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

Indicators for Problematic Hydric Soils³:

- 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)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators 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

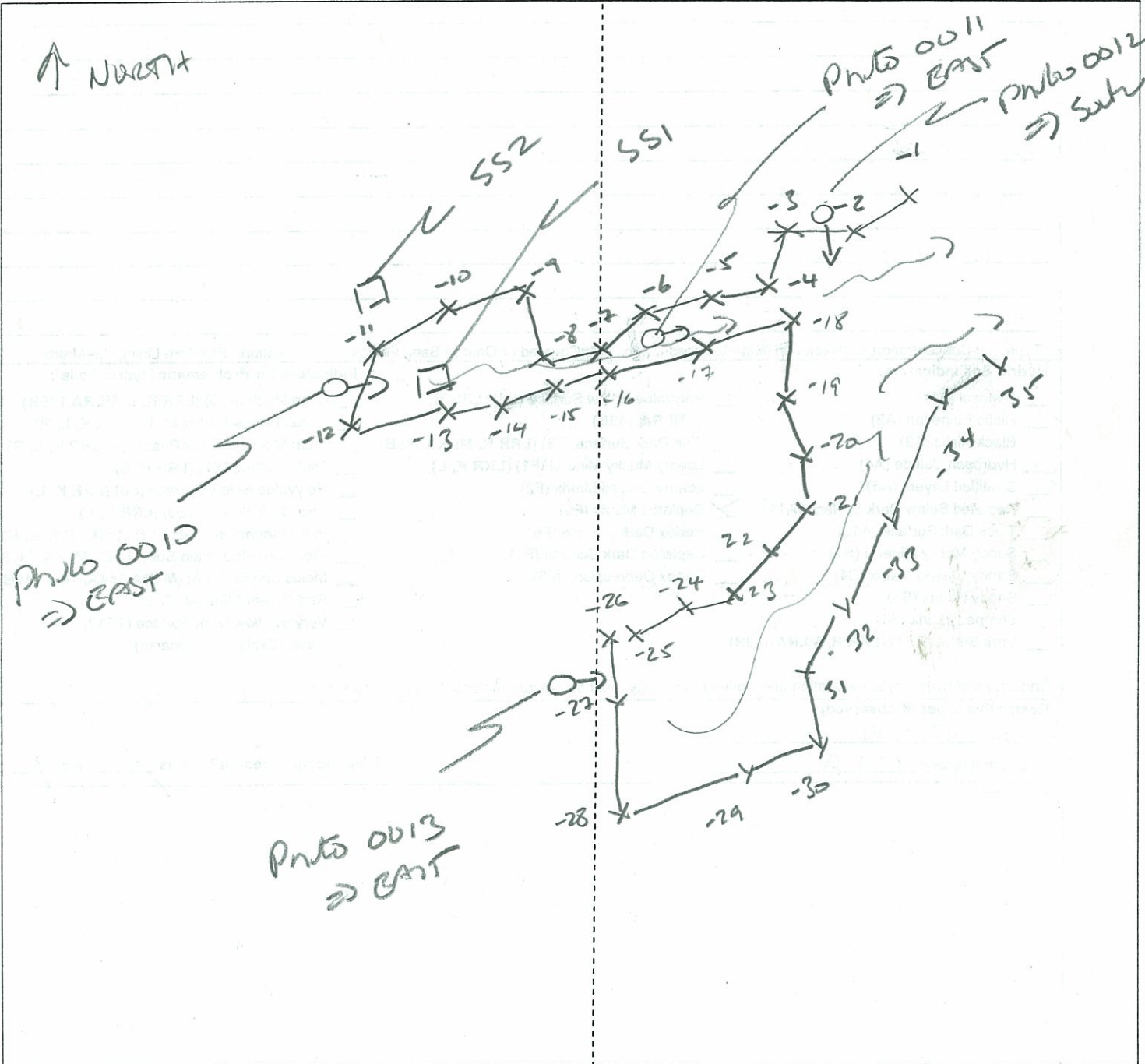
Remarks:

WTB91-7001

7/17/10

SKETCH SHEET 1 of 2 SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	



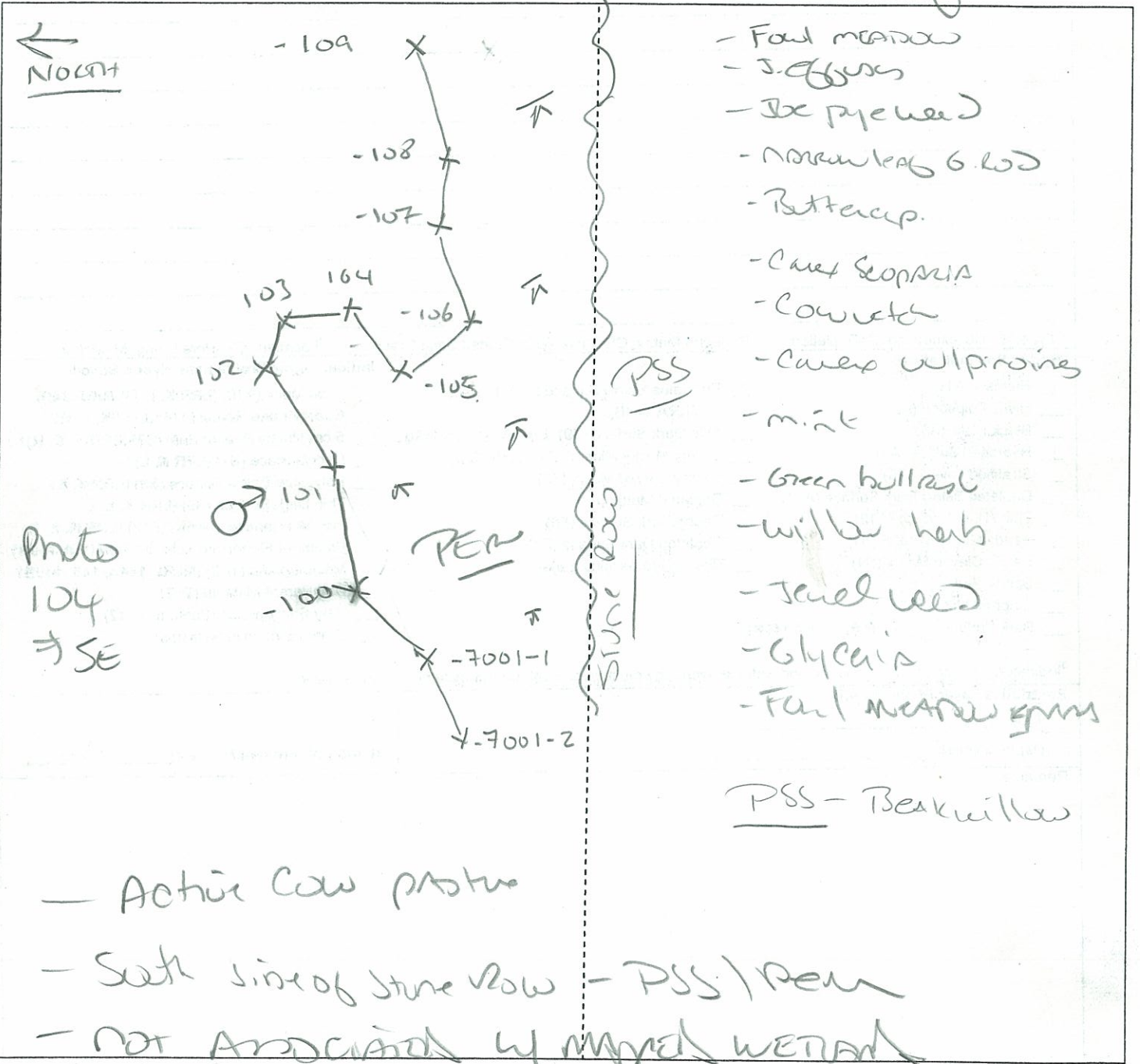
LEGEND	
	Photo Location / Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream

SKETCH SHEET 2062 WETLAND
 EXTENSIVE
 W1691-7001

7/23/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 104 → SE	LOCATION: <u>PERM VEG</u>	



LEGEND	
	Photo Location / Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream

WTB-91-7001-SS2

uplands

717110

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MIRWF City/County: Clinton Sampling Date: 7/17/10
Applicant/Owner: MR LLC State: NY Sampling Point: SS2
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight slope to EAST Local relief (concave, convex, none): none
Slope (%): 5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: NIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No
Hydric Soil Present? Yes No X
Wetland Hydrology Present? Yes No X
Is the Sampled Area within a Wetland? Yes No X
Remarks: (Explain alternative procedures here or in a separate report.)
DOMINANT TEST POSITIVE FOR Hydrophytic veg
PREVALENCE INDEX negative FOR Hydric veg

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
Field Observations: Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes No X Depth (inches):
Saturation Present? (includes capillary fringe) Yes No X Depth (inches):
Wetland Hydrology Present? Yes No X
Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: SS2

Tree Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Sapling/Shrub Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>—</u>	x 1 = <u>—</u>
FACW species <u>—</u>	x 2 = <u>—</u>
FAC species <u>30</u>	x 3 = <u>90</u>
FACU species <u>30</u>	x 4 = <u>120</u>
UPL species <u>35</u>	x 5 = <u>175</u>
Column Totals: <u>95</u> (A)	<u>385</u> (B)

Prevalence Index = B/A = 4.05

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>RANUNCULUS ACRIS</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>
2. <u>CHRYSANTHEMUM LEUCANTHEMUM</u>	<u>10</u>	<u>N</u>	<u>UPL*</u>
3. <u>SOLIDAGO ROGOSA</u>	<u>10</u>	<u>N</u>	<u>FAC</u>
4. <u>PLANTAGO LANCEOLATA</u>	<u>15</u>	<u>N</u>	<u>UPL</u>
5. <u>TRIFOLIUM REPENS</u>	<u>15</u>	<u>N</u>	<u>FACU</u>
6. <u>FRAGARIA VIRGINIANA</u>	<u>10</u>	<u>N</u>	<u>FACU</u>
7. <u>TARAXACUM OFFICINALE</u>	<u>5</u>	<u>N</u>	<u>FACU</u>
8. <u>VICIA CRACCA</u>	<u>5</u>	<u>N</u>	<u>UPL</u>
9. <u>LAMIUM PURPUREUM</u>	<u>5</u>	<u>N</u>	<u>UPL*</u>
10.			
11.			
12.			

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.

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			

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.

Hydrophytic Vegetation Present? Yes No

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

* not listed

AR7002-SSI

WETLANDS

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: CLINTON Sampling Date: 7/18/10
Applicant/Owner: MR LLC State: NY Sampling Point: SSI
Investigator(s): DELAHOVITY Section, Township, Range:
Landform (hillslope, terrace, etc.): RELAY FLAT Local relief (concave, convex, none): none
Slope (%): < 5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: TEM

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

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

Hydrophytic Vegetation Present? Yes [X] No
Hydric Soil Present? Yes [X] No
Wetland Hydrology Present? Yes [X] No
Is the Sampled Area within a Wetland? Yes [X] No
Remarks: AREA FENCED FROM ACTIVE COW PASTURE
DEC marked wetland
Hydric pasture - open/early succession

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply)
[X] Surface Water (A1)
[X] High Water Table (A2)
[X] Saturation (A3)
Secondary Indicators (minimum of two required)
[X] FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes [X] No Depth (inches): 2" (in places)
Water Table Present? Yes [X] No Depth (inches): 6"
Saturation Present? Yes [X] No Depth (inches): 0"
Wetland Hydrology Present? Yes [X] No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Pndw 0015 -> wet Flat htu - 2'-3'
" 0016 -> Sat br SSI

AR 700 2-SS1

Wetland

7118110

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Sapling/Shrub Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SCIRPUS ATROVIRENS</u>	<u>20</u>	<u>N</u>	<u>OBL</u>
2. <u>SCIRPUS MICROCARPUS</u>	<u>15</u>	<u>N</u>	<u>OBL</u>
3. <u>JURCUS FLAVUS</u>	<u>20</u>	<u>N</u>	<u>FACW</u>
4. <u>EUTHAMIA GRAMINIFOLIA</u>	<u>15</u>	<u>N</u>	<u>FAC</u>
5. <u>CAREX ULPINOIDEA</u>	<u>10</u>	<u>N</u>	<u>OBL</u>
6. <u>AGROSTIS GIGANTEA</u>	<u>15</u>	<u>N</u>	<u>FACW</u>
7. <u>CAREX SCOPARIA</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
8. <u>IMPATIENS CAPENSIS</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
9. <u>GLYCERIA Sp.</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
10. <u>POLYGONUM SAGITTATUM</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
11.			
12.			

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>50</u>	x 1 = <u>50</u>
FACW species <u>55</u>	x 2 = <u>110</u>
FAC species <u>15</u>	x 3 = <u>45</u>
FACU species	x 4 =
UPL species	x 5 =
Column Totals: <u>120</u> (A)	<u>205</u> (B)

Prevalence Index = B/A = 1.7

- 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.

Hydrophytic Vegetation Present? Yes X No

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

DSS TO WEST

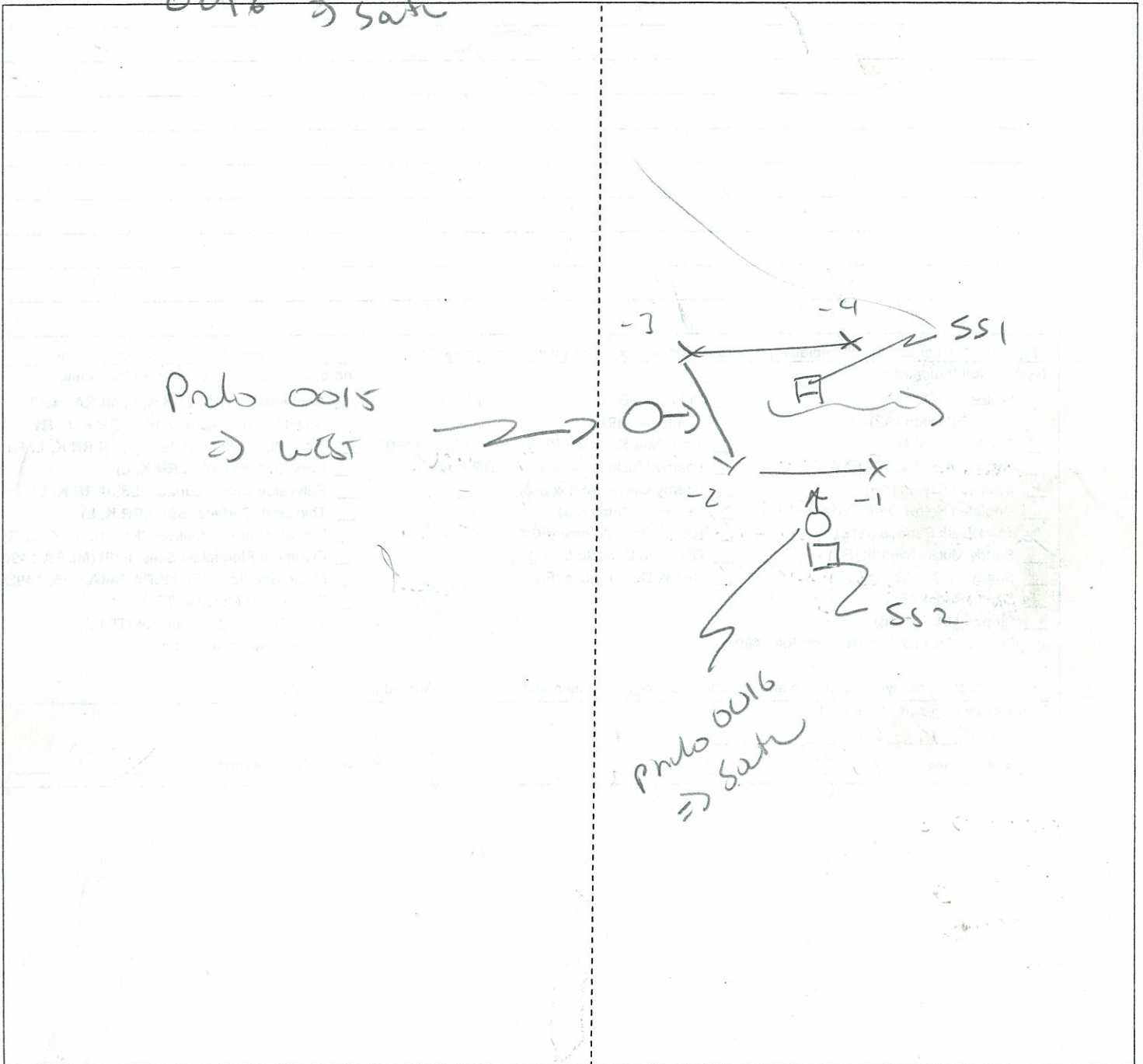
FR 7002-SS1

7/18/10

Wetland

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 0015 => West 0016 => Sate	LOCATION:	



LEGEND	
	Photo Location / Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream

AR7002-SS 2

UPLAND

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/18/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SS2
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight slope to south Local relief (concave, convex, none): none
Slope (%): 55% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes X No X
Hydric Soil Present? Yes No X
Wetland Hydrology Present? Yes No X
Is the Sampled Area within a Wetland? Yes No X
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)
Secondary Indicators (minimum of two required)
Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6)
High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10)
Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8)
Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1)
Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Microtopographic Relief (D4)

Field Observations: Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes No X Depth (inches):
Saturation Present? (includes capillary fringe) Yes No X Depth (inches):
Wetland Hydrology Present? Yes No X

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

Remarks:

AR7002-SS2

7118110

upland

VEGETATION - Use scientific names of plants.

Sampling Point: 552

Tree Stratum (Plot size: \emptyset)	Absolute % Cover	Dominant Species?	Indicator Status
1. N/A			
2.			
3.			
4.			
5.			
6.			
7.			

Sapling/Shrub Stratum (Plot size: \emptyset)	Absolute % Cover	Dominant Species?	Indicator Status
1. N/A			
2.			
3.			
4.			
5.			
6.			
7.			

Herb Stratum (Plot size: 5'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. VICIA CRACCA	45	N	UPL*
2. RANUNCULUS AERIS	20	N	FAC
3. LOTUS CORNICULATUS	10	N	FACU
4. PHEIUM PRATERSE	10	N	FACU
5. SOLIDAGO RUPEOSA	15	N	FAC
6. GRASS SP.	10	N	-
7.			
8.			
9.			
10.			
11.			
12.			

Woody Vine Stratum (Plot size: \emptyset)	Absolute % Cover	Dominant Species?	Indicator Status
1. N/A			
2.			
3.			
4.			

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: \emptyset (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 $\leq 3.0^1$

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.

Hydrophytic Vegetation Present? Yes No

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

* Not listed

WTB 94-7003-SSI

WETLANDS

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/18/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SSI
Investigator(s): DELANEY Section, Township, Range:
Landform (hillslope, terrace, etc.): Small Valley Local relief (concave, convex, none): None
Slope (%): 0 Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PEN

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

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

Hydrophytic Vegetation Present? Yes X No
Hydric Soil Present? Yes X No
Wetland Hydrology Present? Yes X No
Is the Sampled Area within a Wetland? Yes X No
Remarks: (Explain alternative procedures here or in a separate report.)
Small relief on hill slope
- NYSDEC mapped wetlands

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
Surface Water (A1)
High Water Table (A2)
X Saturation (A3)
Water Marks (B1)
Sediment Deposits (B2)
Drift Deposits (B3)
X Algal Mat or Crust (B4)
Iron Deposits (B5)
Inundation Visible on Aerial Imagery (B7)
Sparsely Vegetated Concave Surface (B8)
Water-Stained Leaves (B9)
Aquatic Fauna (B13)
Marl Deposits (B15)
Hydrogen Sulfide Odor (C1)
Oxidized Rhizospheres on Living Roots (C3)
Presence of Reduced Iron (C4)
Recent Iron Reduction in Tilled Soils (C6)
Thin Muck Surface (C7)
Other (Explain in Remarks)
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)
X 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 X No Depth (inches): 0?
Wetland Hydrology Present? Yes X No

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

Remarks:
Photo 0017 -> South at wetlands
Hydro conditions to east - overland flow

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: Ø)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>NIA</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Sapling/Shrub Stratum (Plot size: Ø)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>NIA</u>			
2.			
3.			
4.			
5.			
6.			
7.			

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 =

Herb Stratum (Plot size: SIR)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SCIRPUS MICROCARPUS</u>	<u>40</u>	<u>Y</u>	<u>OBL</u>
2. <u>JUNCUS EFFUSUS</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>
3. <u>CAREX ULPINOIDEA</u>	<u>10</u>	<u>N</u>	<u>OBL</u>
4. <u>ESTHAMIA BRAMINIFOLIA</u>	<u>20</u>	<u>N</u>	<u>FAC</u>
5. <u>CORYL LUMINA</u>	<u>10</u>	<u>N</u>	<u>OBL</u>
6.			
7.			
8.			
9.			
10.			
11.			
12.			

- 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.

2090 → 24 100 = Total Cover

Woody Vine Stratum (Plot size: Ø)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>NIA</u>			
2.			
3.			
4.			

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.

Hydrophytic Vegetation Present? Yes No

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

W15947003-SS1

WETLAND

7/18/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: photo 0017 => S	LOCATION:	

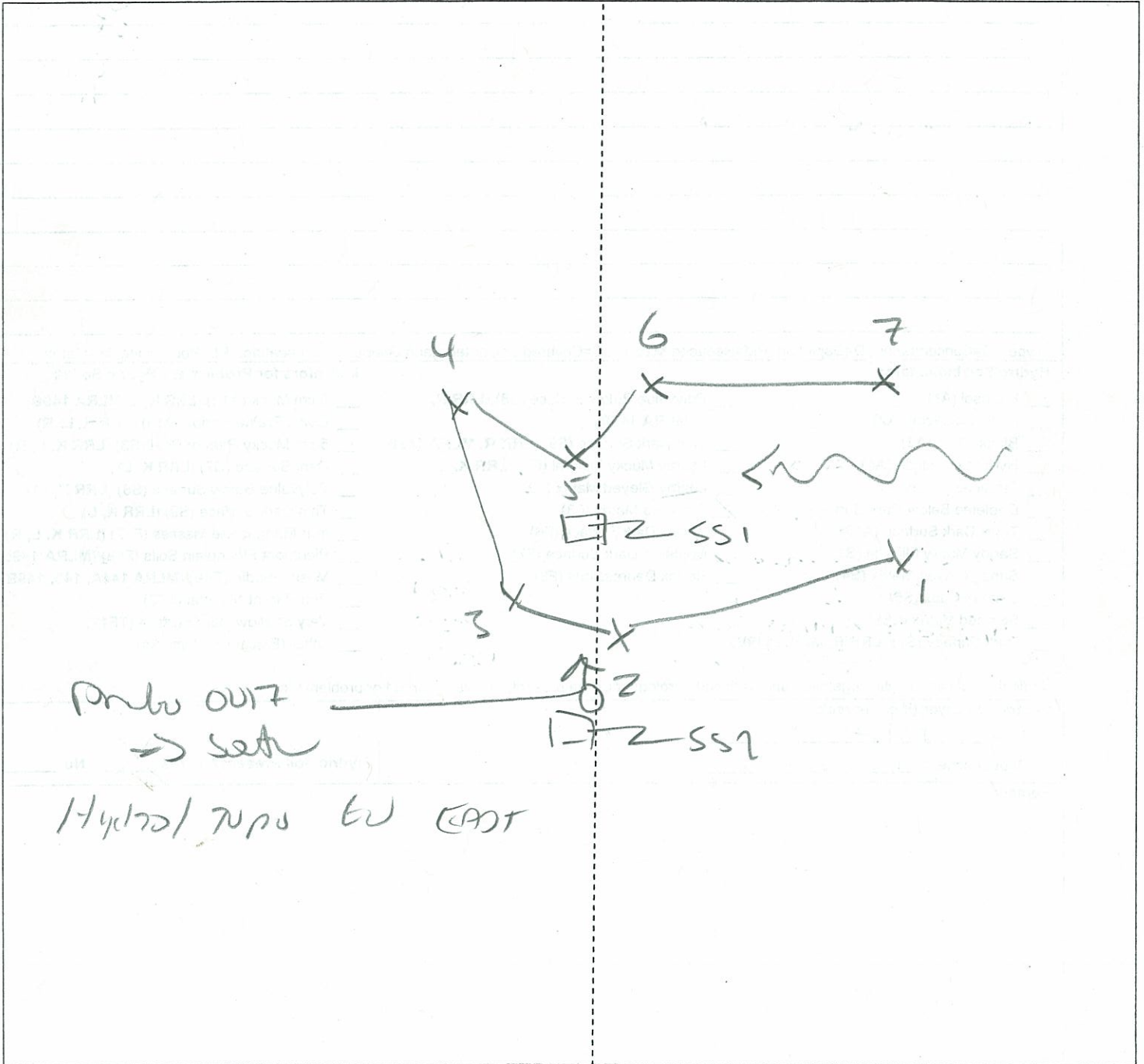


photo 0017
=> S

Hydro/Topo to East

LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag
- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

WOB 94-7003-552

upland

7/18/10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/18/10
Applicant/Owner: MRUC State: NY Sampling Point: 552
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight Hillslope Local relief (concave, convex, none):
Slope (%): 59.6 Lat: Long: Datum:
Soil Map Unit Name: NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes [X] No
Are Vegetation [N], Soil [N], or Hydrology [N] significantly disturbed? Are "Normal Circumstances" present? Yes [X] No
Are Vegetation [N], Soil [N], or Hydrology [N] naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes 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)
Secondary Indicators (minimum of two required)
Field Observations: Surface Water Present? Yes No [X] Depth (inches):
Water Table Present? Yes No [X] Depth (inches):
Saturation Present? Yes No [X] Depth (inches):
Wetland Hydrology Present? Yes No [X]
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

WB-94-7003-SS2

7/18/10
Sampling Point: SS2

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Sapling/Shrub Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			
5.			
6.			
7.			

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Solidago CANADENSIS</u>	<u>15</u>	<u>N</u>	<u>FACU</u>
2. <u>Vicia CRACCA</u>	<u>25</u>	<u>Y</u>	<u>UPL*</u>
3. <u>Phleum PRATENSE</u>	<u>55</u>	<u>N</u>	<u>FACU</u>
4. <u>Gallium mollugo</u>	<u>1.5</u>	<u>N</u>	<u>UPL</u>
5. <u>Lotus CORNICULATUS</u>	<u>1.5</u>	<u>N</u>	<u>FACU</u>
6. <u>Solidago ALTISSIMA</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>
7. <u>Hypericum perforatum</u>	<u>10</u>	<u>N</u>	<u>UPL*</u>
8.			
9.			
10.			
11.			
12.			

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>N/A</u>			
2.			
3.			
4.			

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: Ø (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)
- 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.

Hydrophytic Vegetation Present? Yes No

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

* not listed

WTB-94-4003-552

uplands

7/18/10

SOIL

Sampling Point: _____

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 4/3							loamy sand

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

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

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

Indicators for Problematic Hydric Soils³:

- 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)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: STUAY
Depth (inches): 16"

Hydric Soil Present? Yes No

Remarks:

WTB64A-SS3

WETLAND EXT.

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/18/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SS3
Investigator(s): DELAVANM Section, Township, Range:
Landform (hillslope, terrace, etc.): FLAT Local relief (concave, convex, none): Hummocky
Slope (%): 0 Lat: Long: Datum: 0
Soil Map Unit Name: NWI classification: PFO4

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

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

Table with 2 columns: Hydrophytic Vegetation Present?, Hydric Soil Present?, Wetland Hydrology Present? and Is the Sampled Area within a Wetland?.

Remarks: (Explain alternative procedures here or in a separate report.)
WTB64A Boundary Extension to West Line Extension 100 - 10 ft - DEC maps wet - Centquere to west

HYDROLOGY

Table with 2 columns: Wetland Hydrology Indicators (Primary and Secondary) and Field Observations.

Field Observations: Surface Water Present? No X Depth (inches): N/A
Water Table Present? No X Depth (inches): N/A
Saturation Present? Yes X Depth (inches): 0"
Wetland Hydrology Present? Yes X No

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

Remarks: Sphagnum blanket Photo 0023 => wet
undulating top

WTG 64A-553

WETLANDS
EXT

7/18/10

Sampling Point: 553

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
1. <i>ARIES RAISAMEA</i>	60	Y	FAL	
2. <i>ACER RUBRUM</i>	20	Y	FAL	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. <u>2090 -> 16</u>	<u>80</u> = Total Cover	_____	_____	
Sapling/Shrub Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status	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 = _____
1. <i>BETULA POPULIFOLIA</i>	10	Y	FAL	
2. <i>ARIES RAISAMEA</i>	20	Y	FAL	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. <u>2090 -> 6</u>	<u>30</u> = Total Cover	_____	_____	
Herb Stratum (Plot size: 5')	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <i>CORTIS TRIFOLIA</i>	5	Y	FALW	
2. <i>ACER RUBRUM</i>	10	Y	FAL	
3. <i>MAIANTHEMUM CANADENSE</i>	10	Y	FAL	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. <u>25 -> 5</u>	<u>25</u> = Total Cover	_____	_____	
Woody Vine Stratum (Plot size: 0')	Absolute % Cover	Dominant Species?	Indicator Status	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. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. <i>AIA</i>	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	

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

SPHAGNUM moss Blanket

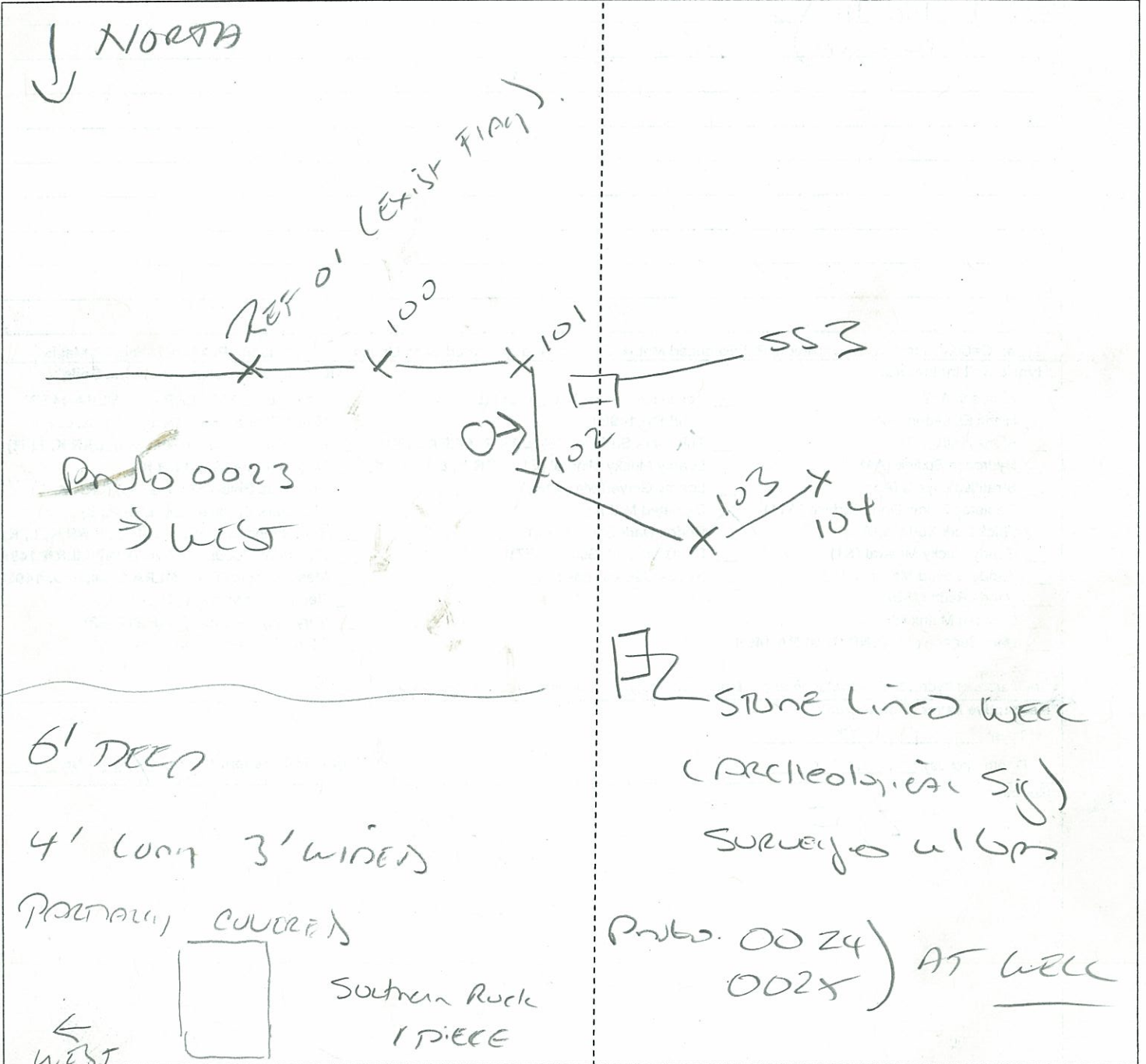
WTB-64A-SS3

WETLANDS EXT.

7/8/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag

- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

AR720A-SS3

WETLAND EXT

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/18/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SS3
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): RELATIVELY FLAT Local relief (concave, convex, none): NONE
Slope (%): 0 Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No
Are Vegetation X, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes X No
Hydric Soil Present? Yes X No
Wetland Hydrology Present? Yes X No
Is the Sampled Area within a Wetland? Yes X No
Remarks: (Explain alternative procedures here or in a separate report.)
PEM WET. EXT
CONNECTS WETLANDS AR720A & AR720A(B)
AR720A-100 -> 121

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
Surface Water (A1)
High Water Table (A2) X
Saturation (A3) X
Water Marks (B1)
Sediment Deposits (B2)
Drift Deposits (B3)
Algal Mat or Crust (B4)
Iron Deposits (B5)
Inundation Visible on Aerial Imagery (B7)
Sparsely Vegetated Concave Surface (B8)
Water-Stained Leaves (B9)
Aquatic Fauna (B13)
Marl Deposits (B15)
Hydrogen Sulfide Odor (C1)
Oxidized Rhizospheres on Living Roots (C3) X
Presence of Reduced Iron (C4)
Recent Iron Reduction in Tilled Soils (C6)
Thin Muck Surface (C7)
Other (Explain in Remarks)
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): DIA
Water Table Present? Yes X No Depth (inches): 4"
Saturation Present? Yes X No Depth (inches): 12"
Wetland Hydrology Present? Yes X No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Photo 0026 -> NW FROM - 101 AT SS1
0027 -> NW AT PSS POCKET
0028 -> N AT SOUTH END OF WET (112 & 113)
0029 -> NW AT CULVERT BETWEEN 107 & 107B

AR720 A WET EXT
-SS3

711810
SS3

VEGETATION – Use scientific names of plants.

Sampling Point: SS3

Tree Stratum (Plot size: 30')

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>VITIS AMERICANA</u>	<u>5</u>	<u>Y</u>	<u>FACW</u>
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			

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)

Sapling/Shrub Stratum (Plot size: 15')

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>SAMBUCUS CANADENSIS</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>
2. <u>SPIRAEA LATIFOLIA</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
3. <u>SALIX SERICEA</u>	<u>5</u>	<u>Y</u>	<u>OBL</u>
4. _____			
5. _____			
6. _____			
7. _____			

Prevalence Index worksheet:

Total % Cover of: 5 = Total Cover

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 = _____

2010 -> 5 5' R 25 = Total Cover

Herb Stratum (Plot size: 5' R)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>IMPATIENS CAPENSIS</u>	<u>20</u>	<u>N</u>	<u>FACW</u>
2. <u>ONOCLEA SENSIBILIS</u>	<u>25</u>	<u>Y</u>	<u>FACW</u>
3. <u>JUNCUS EFFUSUS</u>	<u>25</u>	<u>Y</u>	<u>FACW</u>
4. <u>SCIRPUS MICROCARPUS</u>	<u>20</u>	<u>N</u>	<u>ORL</u>
5. <u>SPIRAEA LATIFOLIA</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
6. <u>CAREX LURIDA</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
7. <u>GEUM CANADENSE</u>	<u>5</u>	<u>N</u>	<u>FACW</u>
8. <u>RUBUS SP.</u>	<u>5</u>	<u>N</u>	<u>-</u>
9. _____			
10. _____			
11. _____			
12. _____			

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Vegetation

Dominance Test is >50%

Prevalence Index is $\leq 3.0^1$

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.

2090 -> 22 110 = Total Cover

Woody Vine Stratum (Plot size: Ø)

1. <u>N/A</u>			
2. _____			
3. _____			
4. _____			

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.

Hydrophytic Vegetation Present? Yes No

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

Open Top; Glycyrrhiza; water lily in other part of wet + small stand of PSS (Silky; BEAK willow)

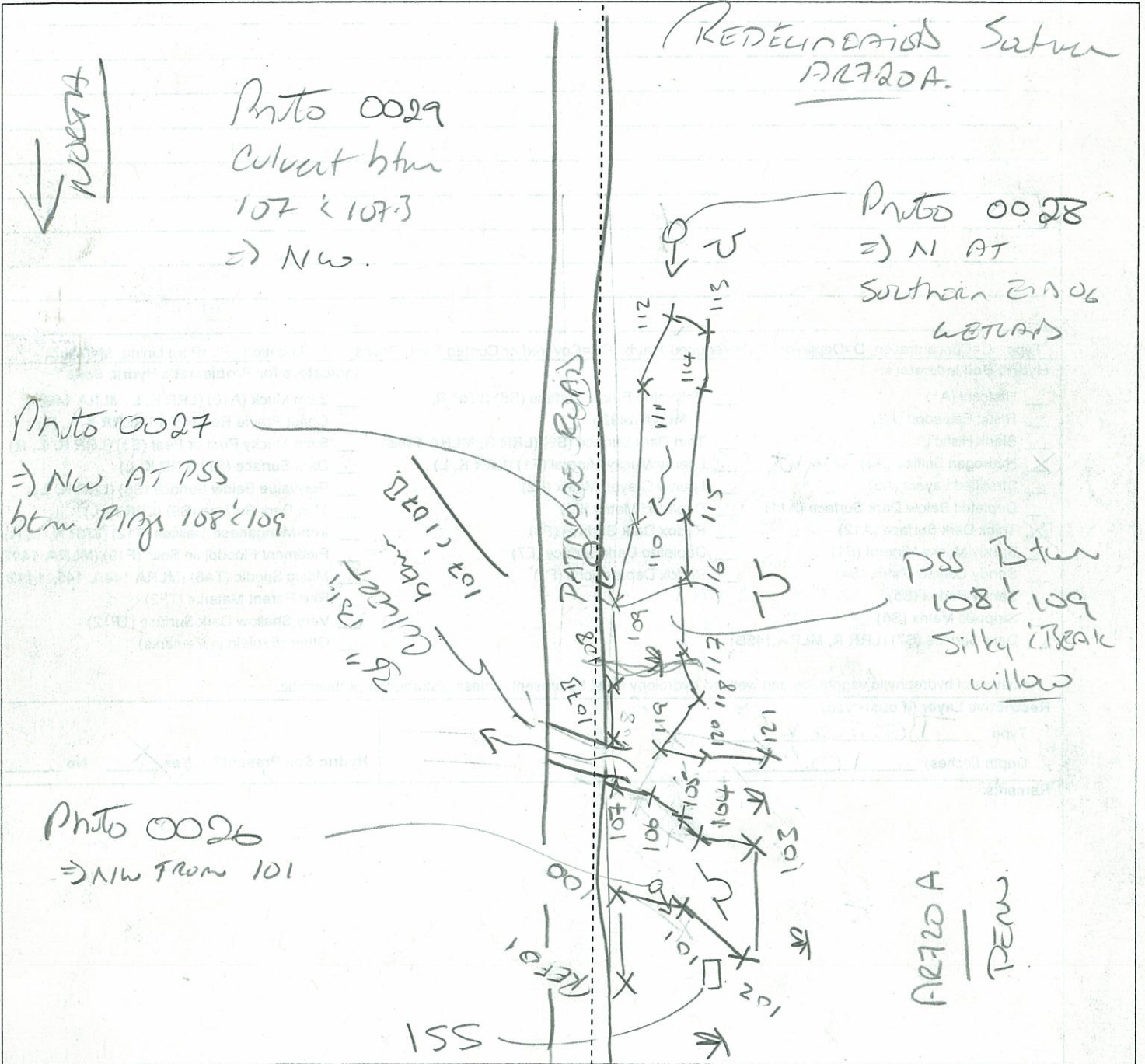
AR720A-SS3

WET
EXT

7/18/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag
- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

AR41A-SS3 EXT WOODS 7/19/10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRF City/County: Clinton Sampling Date: 7/19/10
 Applicant/Owner: MR, LLC State: NY Sampling Point: SS3
 Investigator(s): DELAHUNTY Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): RELATIVELY FLAT Local relief (concave, convex, none): none
 Slope (%): 0 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: PSS1POM

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

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	

Remarks: (Explain alternative procedures here or in a separate report.)
AR41A Line Extension
maps NWI } DEC WET.
AR41A
(100-114)

HYDROLOGY

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

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 2" TO DEPRESSION
 Water Table Present? Yes No _____ Depth (inches): 0"
 Saturation Present? Yes No _____ Depth (inches): 0"
 (includes capillary fringe) Wetland Hydrology Present? Yes No _____

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

Remarks:
photo 0030 => WSW AT -110
Sphagnum num; undulates tops

AR41A-SS3

WET EXT

7/19/10

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: 30' R)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>FRAXINUS PENNSYLVANICA</u>	<u>5</u>	<u>Y</u>	<u>FACW</u>
2. <u>ACER RUBRUM</u>	<u>15</u>	<u>Y</u>	<u>FAC</u>
3.			
4.			
5.			
6.			
7.			

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)

Sapling/Shrub Stratum (Plot size: 15' R)

2090 → 4 20 = Total Cover

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>FRAXINUS PENNSYLVANICA</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>
2. <u>AINOS RUGOSA</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>
3.			
4.			
5.			
6.			
7.			

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 = _____

Herb Stratum (Plot size: 5' R)

2096 → 10 50 = Total Cover

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ONOCLEA SENSIBILIS</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
2. <u>IMPATIENS CARENSIS</u>	<u>30</u>	<u>Y</u>	<u>FACW</u>
3. <u>ASTER SP</u>	<u>10</u>	<u>N</u>	<u>—</u>
4. <u>CORTIS TRIFOLIA</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			

- 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.

Woody Vine Stratum (Plot size: Ø)

2096 → 16 80 = Total Cover

1. <u>N/A</u>			
2.			
3.			
4.			

_____ = Total Cover

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.

Hydrophytic Vegetation Present? Yes No

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

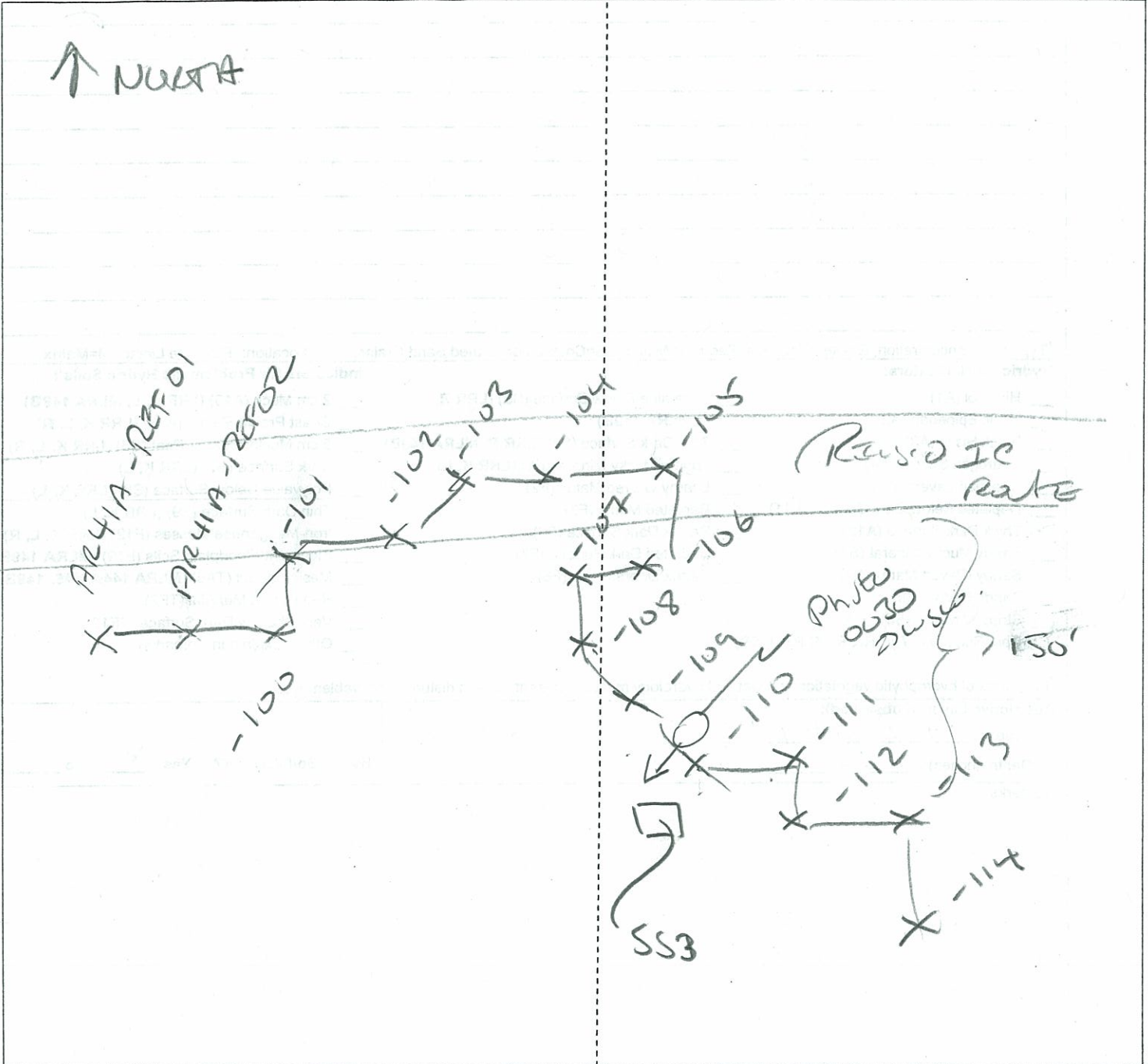
AR41A-SS3

WET EXT.

7/19/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 0030 ⇒ WSLD	LOCATION:	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag

- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

IC 7005-SSI

WETLANDS

7/19/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWTF City/County: Clinton Sampling Date: 7/19/10
 Applicant/Owner: MR, CCC State: NY Sampling Point: SSI
 Investigator(s): DELAHUNTY Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Slight slope to W Local relief (concave, convex, none): none
 Slope (%): <5% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: PSS/PEM
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation X, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

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

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

Remarks: (Explain alternative procedures here or in a separate report.)
PSS/PEM open poly to west (1-12)
Within DEC mapped wetland -> NWI

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) <input checked="" type="checkbox"/> Surface Water (A1) <u>in place</u> <input checked="" type="checkbox"/> High Water Table (A2) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Surface Soil Cracks (B6) <input checked="" type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes <u>X</u> No <u>X</u> Depth (inches): <u>2.4</u> Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>4"</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>8"</u>	Wetland Hydrology Present? Yes <u>X</u> No _____

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

Remarks:
Driveto 31 => N AT pen compact in snow whil trail
TO Poly -3
Frogs
32 => E TOWERT SSI From snow whil trail
33 => S AT snow whil trail

IC 7005-SS1

WETLAND

719110

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: <u>30' R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ACER RUBRUM</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
2. <u>VIMOS AMERICANA</u>	<u>15</u>	<u>Y</u>	<u>FACW</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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% (AB)

2090 -> 5

25 = Total Cover

Sapling/Shrub Stratum (Plot size: <u>15' R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>AINUS RUGOSA</u>	<u>75</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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 = _____

75 = Total Cover

Herb Stratum (Plot size: <u>5' R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ONOCIEA SENSIBILIS</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>
2. <u>CAITHA PACUSTRIS</u>	<u>15</u>	<u>N</u>	<u>OBL</u>
3. <u>SOLIDAGO RUGOSA</u>	<u>10</u>	<u>N</u>	<u>FAC</u>
4. <u>ASTER SP.</u>	<u>20</u>	<u>Y</u>	<u>-</u>
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

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.

2090 -> 17

85 = Total Cover

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

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.

Hydrophytic Vegetation Present? Yes No

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

Cattail, reeds along soft bed, (20) on Trenches in open part of wetland

Small white flowers

**** ASTER SP not used in Dominance TEST.**

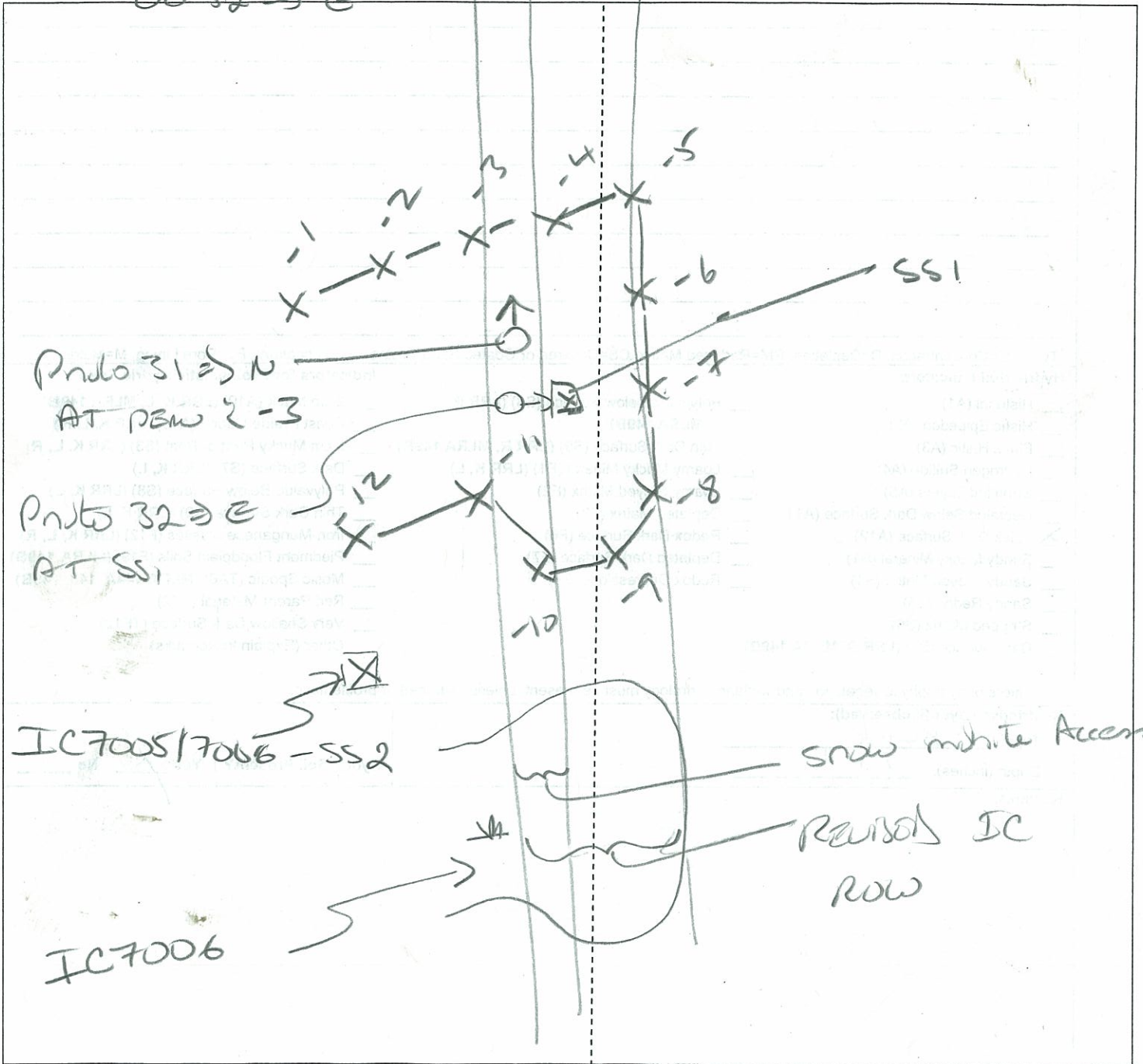
IC 7005-SS1

WETLAND

7/19/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 0031 → N 0032 → E	LOCATION:	



LEGEND	
	Photo Location / Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream

7C7006-SSI

WETLANDS

7/19/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/19/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SSI
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight slope to W Local relief (concave, convex, none): none
Slope (%): < 5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PFO1/PSS1/DEW

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

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

Table with 2 columns: Hydrophytic Vegetation Present?, Hydric Soil Present?, Wetland Hydrology Present? and Is the Sampled Area within a Wetland? All 'Yes' boxes are checked.

Remarks: (Explain alternative procedures here or in a separate report.)
7C7006 - (1-13) open to west
DEC map mapped out configure to west map PFO1/PSS1/DEW

HYDROLOGY

Table with 2 columns: Wetland Hydrology Indicators (Primary and Secondary) and Field Observations. Includes checkboxes for indicators like Surface Water, Saturation, etc., and field data like Surface Water Present? and Water Table Present?.

Field Observations: Surface Water Present? No [X] Depth (inches): 0.14
Water Table Present? Yes [X] Depth (inches): 6"
Saturation Present? Yes [X] Depth (inches): 1"
Wetland Hydrology Present? Yes [X] No

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

Remarks:
Photo 34 => SW AT SSI
170 AS 611

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: 30'R)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>FRAXINUS PENNSYLVANICA</u>	<u>30</u>	<u>Y</u>	<u>FACW</u>
2. <u>ACER RUBRUM</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 86% (A/B)

20'0" → 8

Sapling/Shrub Stratum (Plot size: 15'R)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ALNUS RUGOSA</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
2. <u>FRAXINUS PENNSYLVANICA</u>	<u>60</u>	<u>Y</u>	<u>FACW</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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 = _____

20'0" → 16

Herb Stratum (Plot size: 5'R)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ONOCIE SENSIBILIS</u>	<u>15</u>	<u>Y</u>	<u>FACW</u>
2. <u>ANEMONEA THALICTROIDES</u>	<u>15</u>	<u>Y</u>	<u>UPL*</u>
3. <u>ASTER SP.</u>	<u>55</u>	<u>N</u>	<u>-</u>
4. <u>SOLIDAGO RUGOSA</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
5. <u>FRAXINUS PENNSYLVANICA</u>	<u>5</u>	<u>N</u>	<u>FACW</u>
6. <u>GRASS SP.</u>	<u>5</u>	<u>N</u>	<u>-</u>
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

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.

20'0" → 10

Woody Vine Stratum (Plot size: Ø)

1. <u>N/A</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

_____ = Total Cover

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.

Hydrophytic Vegetation Present?

Yes No _____

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

Young to middle to west

* not listed

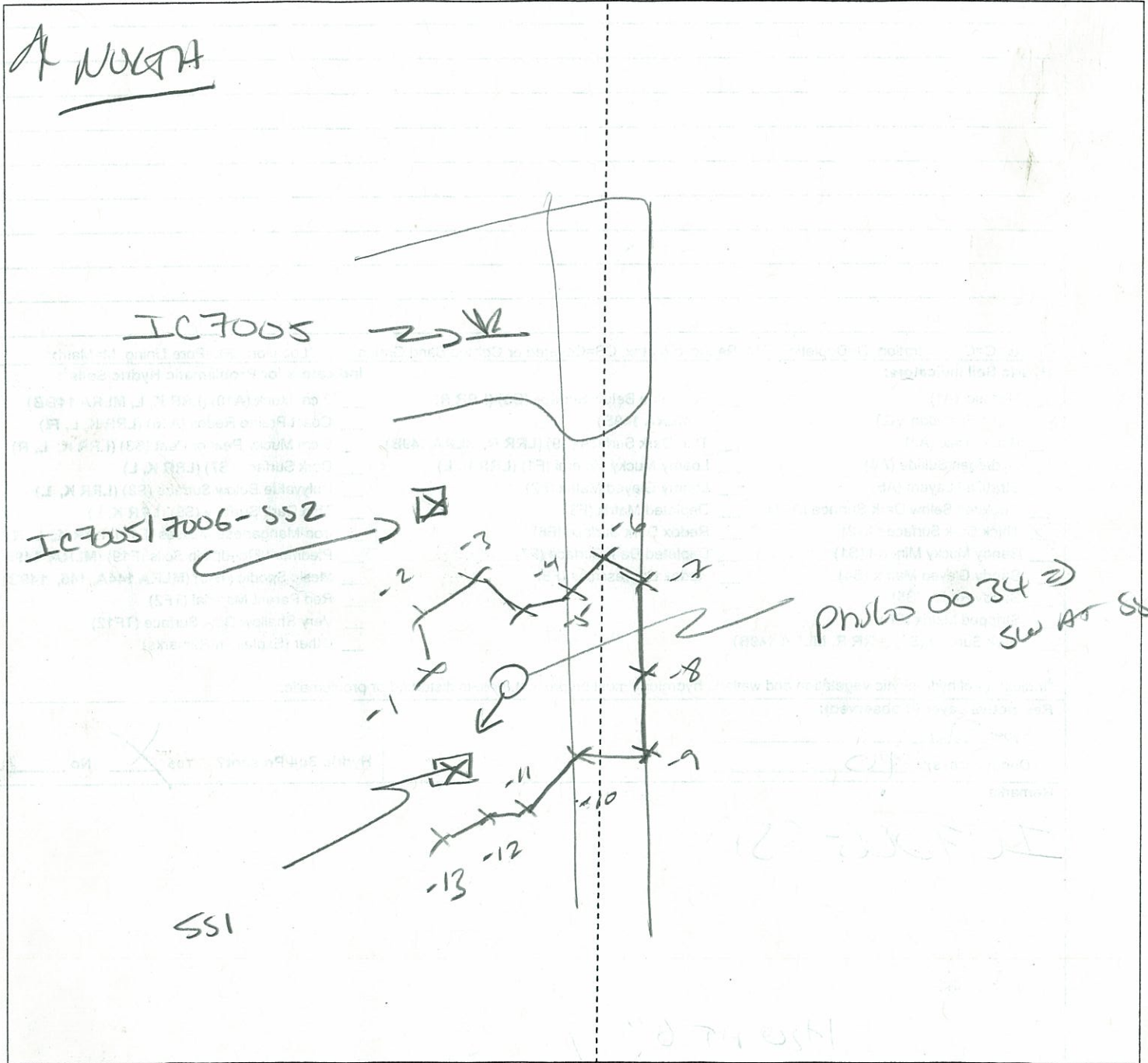
IC 7006-SS1

WETLANDS

7/19/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 0034 ⇒ SW	LOCATION:	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag

- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

IC 7005/7006 - SS2
(SHARPS UPLANDS)

UPLANDS

7/19/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/19/10
Applicant/Owner: MRUC State: NY Sampling Point: SS2
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Relatively FLAT Local relief (concave, convex, none): none
Slope (%): 0 Lat: Long: Datum:
Soil Map Unit Name: NWI classification: NIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes No
Hydric Soil Present? Yes No
Wetland Hydrology Present? Yes No
Is the Sampled Area within a Wetland? Yes No
If yes, optional Wetland Site ID:

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

SHARPS UPLANDS SAMPLE STATION

Dominance Test 'POSITIVE'
Prevalence Test NEGATIVE

HYDROLOGY

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

Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes No Depth (inches):
Wetland Hydrology Present? Yes No

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

Remarks:

VEGETATION - Use scientific names of plants.

Sampling Point: SS2

Tree Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ABIES RAISAMEA</u>	<u>25</u>	<u>Y</u>	<u>FAC</u>
2. <u>QUERCUS POPULIFOLIA</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
3. <u>PRUNUS SEROTINA</u>	<u>5</u>	<u>N</u>	<u>FACW</u>
4. <u>POPULUS TREMULOIDES</u>	<u>10</u>	<u>N</u>	<u>FACU</u>
5. <u>ACER RUBRUM</u>	<u>15</u>	<u>Y</u>	<u>FAC</u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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)

2090 -> 12

60 = Total Cover

Sapling/Shrub Stratum (Plot size: <u>15'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>FRAXINUS PENNSYLVANICA</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>—</u>	x 1 = <u>—</u>
FACW species <u>20</u>	x 2 = <u>40</u>
FAC species <u>90</u>	x 3 = <u>270</u>
FACU species <u>20</u>	x 4 = <u>80</u>
UPL species <u>10</u>	x 5 = <u>50</u>
Column Totals: <u>140</u> (A)	<u>440</u> (B)

Prevalence Index = B/A = 3.14

20 = Total Cover

Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>DRYOPTERIS CARTHUSIANA</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
2. <u>RHUS FLAEGELLARIS</u>	<u>10</u>	<u>N</u>	<u>UPL</u>
3. <u>PRUNUS SEROTINA</u>	<u>5</u>	<u>N</u>	<u>FACU</u>
4. <u>SPIRAEA LATIFOLIA</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
5. <u>ACER RUBRUM</u>	<u>55</u>	<u>N</u>	<u>FAC</u>
6. <u>MAIANTHEMUM CANADENSE</u>	<u>55</u>	<u>N</u>	<u>FAC</u>
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

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.

2090 -> 12

60 = Total Cover

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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.

Hydrophytic Vegetation Present? Yes No

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

IC 7007-SSI

Wetland

7/19/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/19/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SSI
Investigator(s): DELAMONTE Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight slope to west Local relief (concave, convex, none): Slight SWALE
Slope (%): <5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: DSS/DEN

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

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

Hydrophytic Vegetation Present? Yes [X] No
Hydric Soil Present? Yes [Y] No
Wetland Hydrology Present? Yes [X] No
Is the Sampled Area within a Wetland? Yes [X] No
Remarks: (Explain alternative procedures here or in a separate report.)
Linear Depression extends west from pasture rd.
DSS DEN (1-7)
NOT in mapped wetlands.

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
[X] High Water Table (A2)
[X] Saturation (A3)
[X] Drainage Patterns (B10)
[X] Other (Explain in Remarks)

Field Observations:
Surface Water Present? Yes No [X] Depth (inches):
Water Table Present? Yes [X] No Depth (inches): 6"
Saturation Present? Yes [X] No Depth (inches): 8"
Wetland Hydrology Present? Yes [X] No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Linear Depression (SWALE) - DRAIN WEST FROM PASTURE RD.
Photo 35 => N of SW AT SSI
36 => N AT SW on north trail btw -2 & -5

VEGETATION - Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: <u>30' x 60'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ACER RUBRUM</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
2. <u>ABIES MILLEBRIUM</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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)

2000-24

Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ALNUS RUBROSA</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>
2. <u>ACER RUBRUM</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

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 = _____

2000-10

Herb Stratum (Plot size: <u>5' x 5'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>IMPATIENS CAPENSIS</u>	<u>50</u>	<u>Y</u>	<u>FACW</u>
2. <u>ASTER JUNCIFORMIS</u>	<u>20</u>	<u>Y</u>	<u>OBL</u>
3. <u>GLYCYRRHIZA SP.</u>	<u>10</u>	<u>N</u>	<u>OBL</u>
4. <u>ONOCLEA SENSIBILIS</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
5. <u>SOLIDAGO RUBROSA</u>	<u>10</u>	<u>N</u>	<u>FAC</u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrophytic Vegetation
 Dominance Test is >50%
 Prevalence Index is $\leq 3.0^1$
 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.

100-20

Woody Vine Stratum (Plot size: <u>Ø</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>CIA</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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.

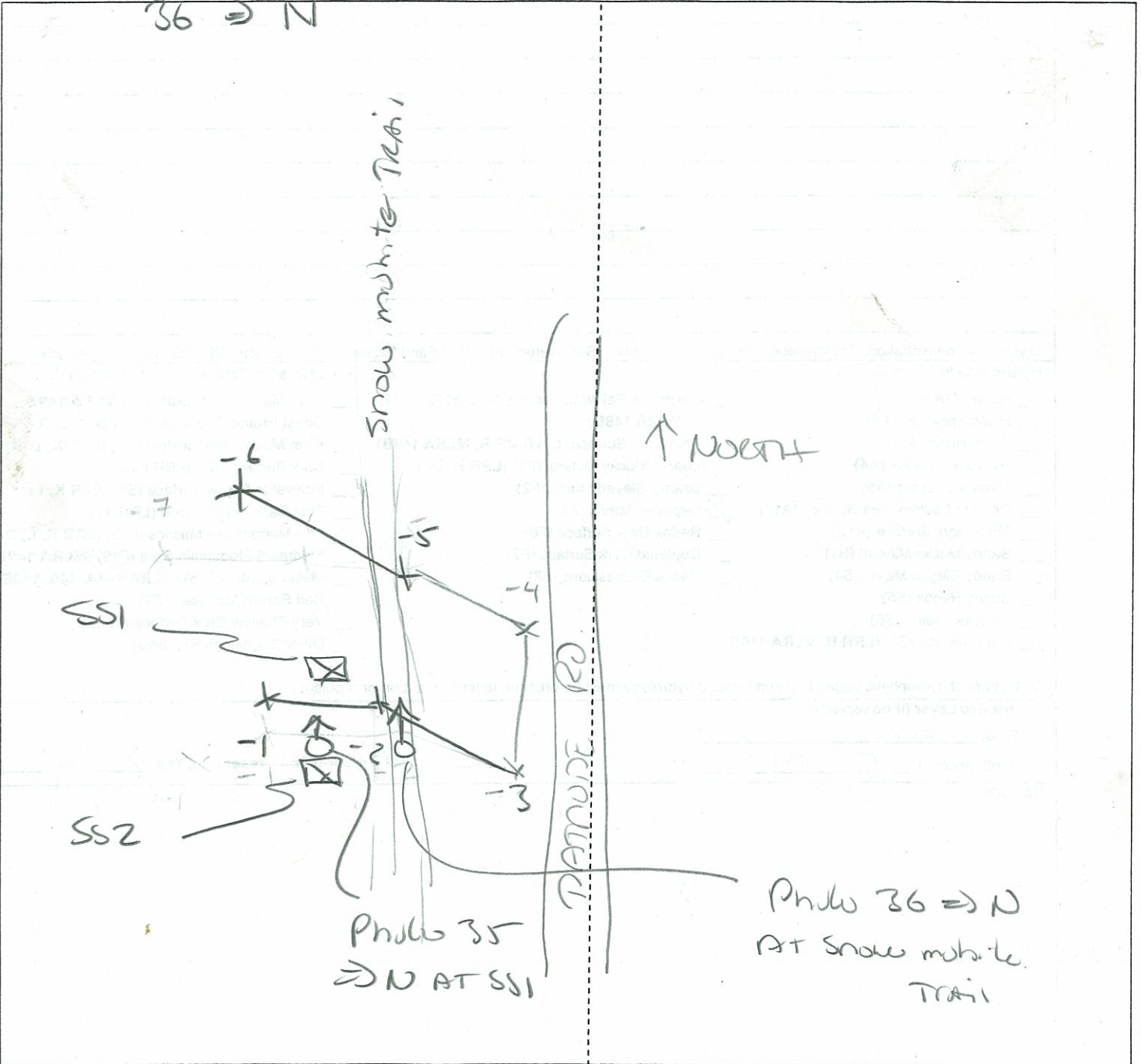
Hydrophytic Vegetation Present? Yes No

_____ = Total Cover

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

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 35 ⇒ N	LOCATION:	



LEGEND

- → Photo Location / Direction
- Wetland
- Sample Station
- Upland
- - - Centerline
- Perennial Stream
- △ Flag
- Intermittent Stream

IC 7007-SS2

Upland

7/19/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF City/County: Clinton Sampling Date: 7/19/10
Applicant/Owner: MR, LLC State: NY Sampling Point: SS2
Investigator(s): D. ELA... Section, Township, Range:
Landform (hillslope, terrace, etc.): Slight slope to west Local relief (concave, convex, none): None
Slope (%): <5% Lat: Long: Datum:
Soil Map Unit Name: NWI classification: None

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

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

Hydrophytic Vegetation Present? Yes [X] No
Hydric Soil Present? Yes No [X]
Wetland Hydrology Present? Yes No [X]
Is the Sampled Area within a Wetland? Yes No [X]
Remarks: (Explain alternative procedures here or in a separate report.)
FAC Dominant Species

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
Secondary Indicators (minimum of two required)
Field Observations: Surface Water Present? Yes No [X] Depth (inches):
Water Table Present? Yes No [X] Depth (inches):
Saturation Present? Yes No [X] Depth (inches):
Wetland Hydrology Present? Yes No [X]
Remarks:

VEGETATION - Use scientific names of plants.

Sampling Point: SS2

Tree Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ABIES TRISAMEA</u>	<u>75</u>	<u>Y</u>	<u>FAC</u>
2. <u>ACER RUBRA</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
<u>2090 -> 15</u> <u>75</u> = Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>ABIES TRISAMEA</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>
2. <u>VIMOS AMERICANA</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
<u>2090 -> 6</u> <u>30</u> = Total Cover			
Herb Stratum (Plot size: <u>5'R</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>DRYOPTERIS OPTHUSIANA</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
2. <u>MIANTHEMUM CANADENSE</u>	<u>10</u>	<u>N</u>	<u>FAC</u>
3. <u>LYCOPIDIUM CLAVATUM</u>	<u>5</u>	<u>N</u>	<u>FAC</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
<u>2090 -> 11</u> <u>55</u> = Total Cover			
Woody Vine Stratum (Plot size: <u>Ø</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: 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 <u>1</u>	x 1 = <u>1</u>
FACW species <u>10</u>	x 2 = <u>20</u>
FAC species <u>150</u>	x 3 = <u>450</u>
FACU species <u>1</u>	x 4 = <u>4</u>
UPL species <u>1</u>	x 5 = <u>5</u>
Column Totals: <u>160</u> (A)	<u>470</u> (B)
Prevalence Index = B/A = <u>2.94</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.

Hydrophytic Vegetation Present? Yes No

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

