

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>GCO/SG</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTG-11A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>FAB/SS</i>					
Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>30</i> Herb: <i>45</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Chamaecyparis thyoides</i>	T	OBL	9. <i>Cornus stolonifera</i>	S	FACW
2. " "	S	OBL	10. <i>Carex sp</i>	H	
3. <i>Ornithoglossum populifolia</i>	S	FAC	11.		
4. <i>Abies balsamea</i>	T	FAC	12.		
5. " "	S	FAC	13.		
6. <i>Iris versicolor</i>	H	OBL	14.		
7. <i>Sycopus uniflorus</i>	H	OBL	15.		
8. <i>Aster novi-belgii</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>3/4 of turbine buffer is wetland recommend moving turbine to east to avoid impacts</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>10"</i>  Depth to Saturated Soil (in.): <i>3"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
2-4	O	10YR 3/1			loam
4-8	A	10YR 2/1	10YR 5/6	many/ka-go/distort	silty lam Fe con
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood</i>	Date: <i>10/7/05</i>
Applicant/Owner: <i>MORROW</i>	County: <i>Clinton</i>
Investigator: <i>GCD/JS</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>WTB #1A-552</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>upland</i>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phlox pilularis</i>	H	FACU	9.		
2. <i>Phlox pilularis</i>	H	FACU	10.		
3. <i>Ranunculus repens</i>	H	FAC	11.		
4. <i>Trifolium pratense</i>	H	FACU	12.		
5. <i>Trifolium repens</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i>					
Remarks:					

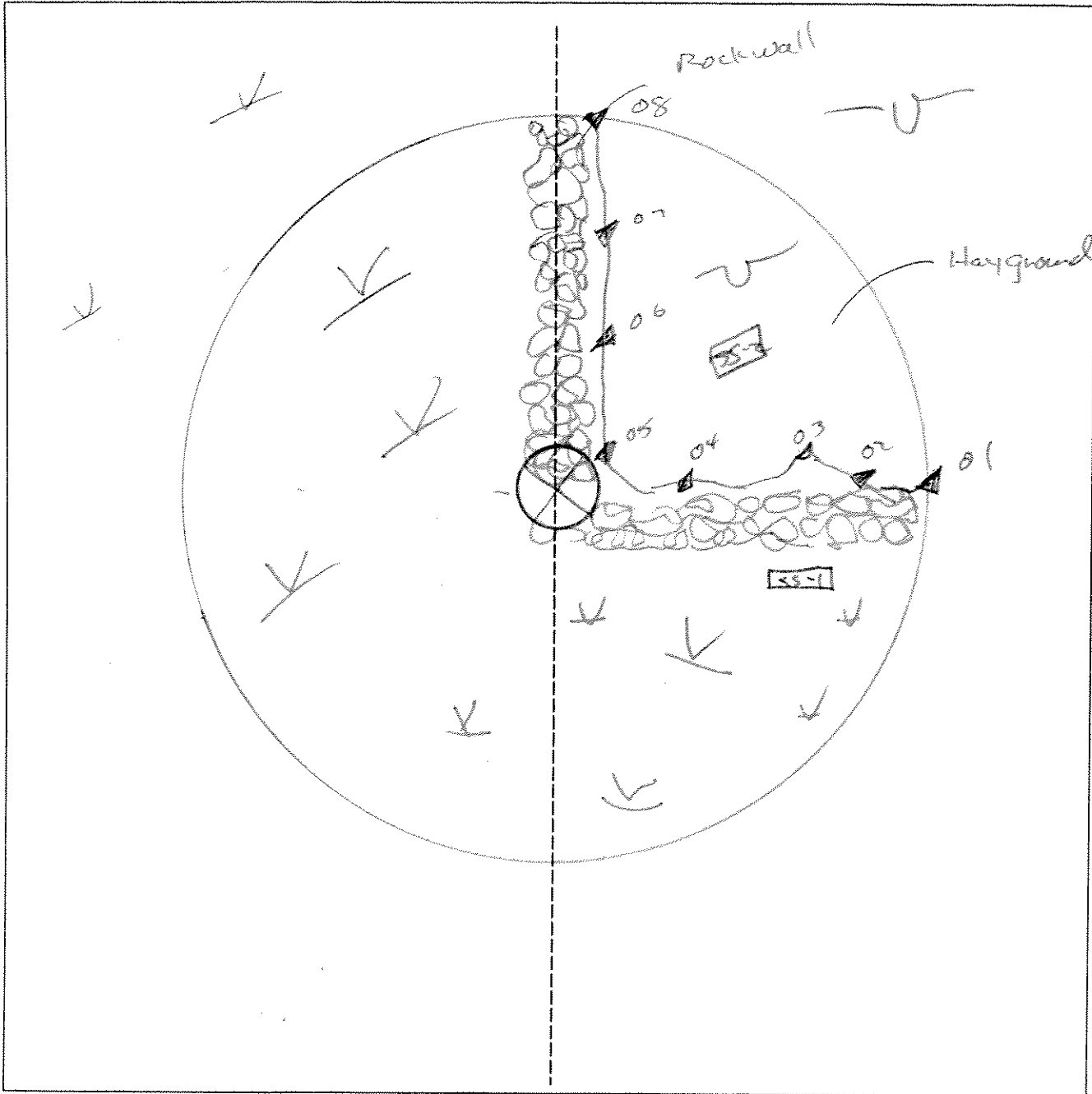
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i> Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks:	



**SKETCH FORM**

Wetland ID/Route #: WTG 11A-00	Date:	Time:
Initials of Delineators: GCD/JG	Location: WTG 11	
Roll #: GCS digital # 30	Frames:	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

WT6-15-1A  
wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: PEN wetland Transect ID: SS1 Plot ID: WT6-15-1A	

**VEGETATION**

Plant Community Classification: PEN					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Arrowleaf Thearthumb	H	OBL	9. Carex stipata	H	not listed
2. NY Aster		FACW+	10. Carex scoparia	↓	FACW
3. Purple Loosestrife		FACW+	11.		
4. Large leaved goldenrod		FAC	12.		
5. Wool Grass		FACW+	13.		
6. Smartweed		FACW+	14.		
7. Carex vulpinoidea	↓	OBL	15.		
8. Carex cusida		OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: WETLAND VEG PRESENT

NOTE: → Steep bank, sensitive fern, silky willow, Juncus & (Red) cranberry grass observed in upper portions of wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): 0 in places Depth to Saturated Soil (in.): 0 in	

Remarks: WETLAND Hydrology Present

WT6-15-1A

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR-4/2			Silty clay loam
12-18	B	10YR-5/2	7.5YR-5/6	Remnant/Concretion/Con	sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

worms soil present

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			Is this Sample Station Point Within a Wetland? (Circle) Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

WTB-15-1A  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>187 BID</i>	Date: <i>9/20/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <i>Early Successional</i> Transect ID: <i>WTB-15-1A-UPL</i> Plot ID: <i>WTB-15-1A-SS2</i>	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *—* Shrub: *—* Herb: *100* Vine: *—*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass spp.</i>	<i>H</i>	<i>unknown</i>	9.		
2. <i>Golden Plover - Large (canopy)</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Wild Madde</i>	<i>H</i>	<i>UPL*</i>	11.		
4. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Golden Plover - Small (canopy)</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Grass RW - Tall</i>	<i>H</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *33%*

Remarks: *UPLAND VEGETATION Dominant*  
*\* - NOT LISTED*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>7 1/2"</i>	
Remarks: <i>Roll 1 - PIX# 23 looking west</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR-3/3			Silty loam
10-12	A <sub>1</sub>	10YR-4/3	7.5YR-5/8	few/coarse/distinct	silty sand loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: *Refusal at 12 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No			(Circle)
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No

Remarks



TETRA TECH

SUBJECT Zilkha  
Clinton  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 9/20/05 PAGE 1 OF 5 PAGES

9120105

AT SITE - STAR ROAD

- Plan center of access road to north of road
- STREET South side of STAR RD
- TURBINE location #14
- FALLOW FIELD. 9090
- TREE Row 10<sup>th</sup> 10

- Tree - Timothy
- unknown shrub
  - Golden Rod (Rough stem)
  - VETCH (COW VETCH)
  - MILKWEED
  - Wind madder
  - GRASSES

- FACE LOW
- RAPPANOKY
  - GRASS bundle
  - CHERRY Sp.
  - AMER BEECH (shrub)
- 4090 - 8" DBH & less  
tree row 4090  
Height ~ 25' & less

WT615

TURBINE location #15



Railway turbine

rose P. line AT 1A-1

Access Road  
Conduit



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

WTB 15-1B  
 wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS/PFOU-200 Transect ID: SS 1 Plot ID: WTB 15-1B

**VEGETATION**

Plant Community Classification: PSS/PFO  
 Percent Canopy Cover: Tree: 25% Shrub: 75% Herb: 10% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer Rubrum	F	FAC	9. Moss	H	
2. Green Birch	F	FAC	10. soft Rush	H	FACW+
3. Meadow Sweet	S	FAC+	11. NY Asler	H	FACW+
4. Green Birch	S	FAC	12. Acer Rubrum	S	FAC
5. Silver Willow	S	OBL	13. Sceptle Bush	S	FACW
6. Black Willow	S	FACW	14.		
7. Sensitive Fern	H	FACW	15.		
8. Horse Tail	H		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
 WETLAND VEGETATION PRESENT

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.):	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A <sub>1</sub>	7.5YR-4/6	7.5YR-5/6	Prom / low / coarse	Silty clay
9-18"	A <sub>2</sub>	10YR-6/2	10YR-5/6	Dist / Many / medium	Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

WTB-15-1B  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, AD	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Early Successional Transect ID: WTB-15-1B-UP Plot ID: WTB-15-1B-552

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 0	Herb: 100	Vine: 25%
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. Timothy	H	FACU	9.		
✓ 2. Virginia Creeper	V	FACU	10.		
✓ 3. New York Aster	H	FACWT	11.		
4. Rough Stemmed Golden Rod	H	FAC	12.		
5. Lance leaved Golden Rod	H	FAC	13.		
6. Late Goldenrod	H	FACW	14.		
7. Bush Aster	H	OBL	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):			71%		
Remarks: Pictures # 22 looks East at upland # 21     "   west at wetland  WET UEB present - transitional					

**HYDROLOGY**

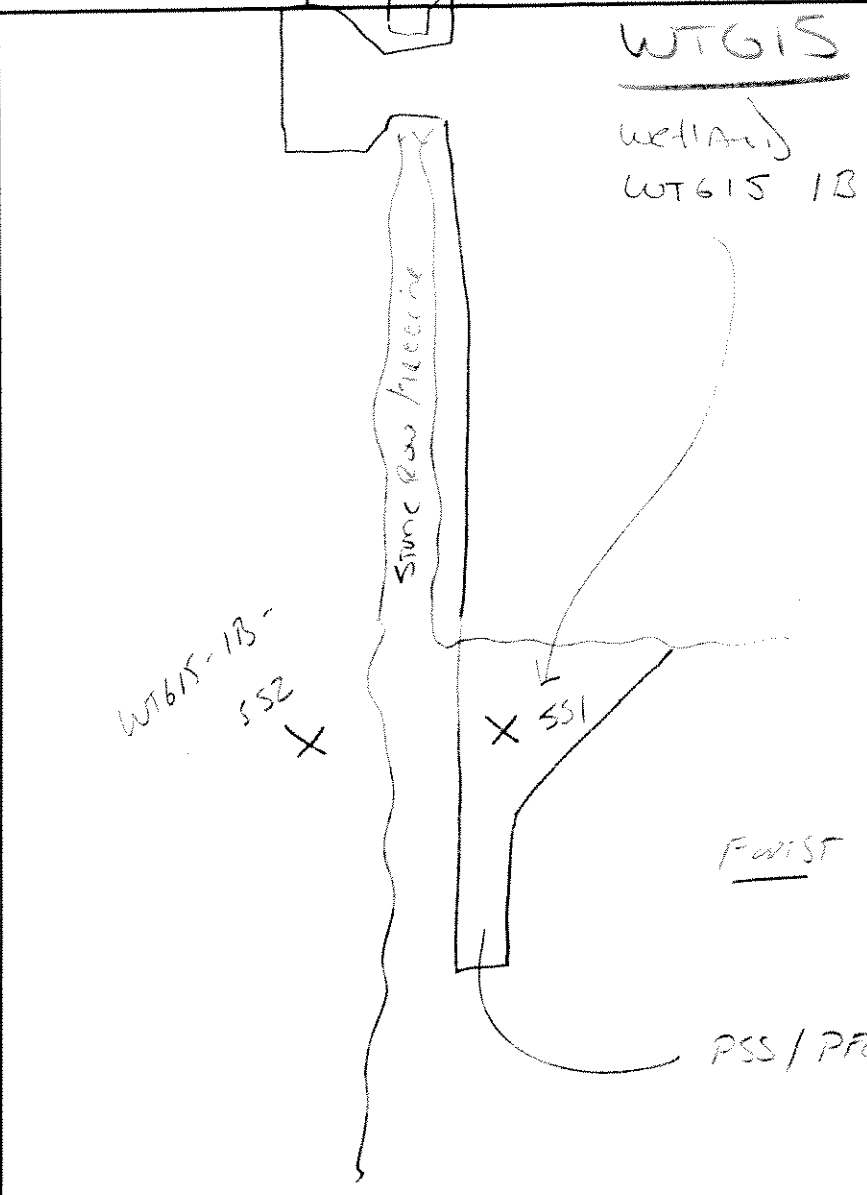
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.): > 12"	
Remarks: solised at 12"	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-3/2	7.5YR-5/8	Few/coarse/distinct	Silty clay loam
6-10	A <sub>1</sub>	10YR-5/1	10YR-5/8	Many/fine/faint	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: refusal at 10 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		Is this Sample Station Point Within a Wetland?	Yes No
Remarks			



Highs:  
 - DRAINAGE PATTERN  
 - OXIDIZED RHYMOLITE  
 - PFO STAINED  
 LINES

Soil:  
 0-9 - 7.5YR 4/0  
 SILTY CLAY w/  
 7.5YR 5/6 mottles  
 - Prominent  
 - few  
 - coarse  
 9-18+ - 10YR 6/R  
 SANDY CLAY w/  
 10YR 5/6 mottles  
 - Distinct  
 - many  
 - medium

- VLB TREE STRATA - (Red) maple  
 25% - GRAY Birch  
 STRAW STRATA - medium sweet  
 75% - GRAY Birch  
 - Silky willow  
 - Black willow  
 Herb layer - sensitive fern  
 - mosses  
 - soft rush
- Red maple  
 - striped bark  
 - NY aster

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Wind Farm</i>	Date: <i>11 Oct 2005</i>
Applicant/Owner: <i>Huerfano</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan, J. Farrell</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>WTG 36 A 551</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PFD*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>20</i> Herb: <i>50</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum 60</i>	<i>T</i>	<i>FAC</i>	<i>9. Dryopteris intermedia +</i>	<i>H</i>	<i>FACW</i>
<i>2. Betula papyrifera 20</i>	<i>T</i>	<i>FAC</i>			
<i>3. Sparganium angustifolium 20</i>	<i>S</i>	<i>FAC+</i>			
<i>4. Acer rubrum +</i>	<i>S</i>	<i>FAC</i>			
<i>5. Junco effusus 30</i>	<i>H</i>	<i>FACW+</i>			
<i>6. Solidago rigida 15</i>	<i>H</i>	<i>FAC</i>			
<i>7. Aster junceus +</i>	<i>H</i>	<i>OBL</i>			
<i>8. Aster umbellatus 5</i>	<i>H</i>	<i>FACW+</i>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>3</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>wetland plants occur only in pockets, usually with standing water. Most less than 5' across, totally approx 50% of the wetland polygon</i>	

ID: WTB 36 A14 A  
85-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			silt loam - large
6-14	B	10YR 6/2	10YR 5/6	many faint large	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)		(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
			Is this an Isolated Wetland?	<input type="radio"/> Yes	<input type="radio"/> No
Remarks Small depressions with wetland, interspersed with moor covered rocks & hummocks with upland plants					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Wind Farm</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>S. Ryan J. Amelt</u>	Date: <u>10-11-05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 36 alt A - SS-2</u> <span style="text-align: right;">(upland)</span>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75</u>	Shrub: <u>50</u>	Herb: <u>90</u>	Vine: <u>5</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Picea rubens</u>	<u>35%</u>	<u>Tree</u>	9. <u>Rubus odoratus</u>	<u>5%</u>	<u>Shrub</u>
2. <u>Betula populifolia</u>	<u>20%</u>	<u>Tree</u>	10.		
3. <u>Acer rubrum</u>	<u>25%</u>	<u>Tree</u>	11.		
4. <u>Acer rubrum</u>	<u>10%</u>	<u>Shrub</u>	12.		
5. <u>Prunus serotina</u>	<u>15%</u>	<u>Shrub</u>	13.		
6. <u>Corylus compestris</u>	<u>70%</u>	<u>Herb</u>	14.		
7. <u>Desmodium illinoense</u>	<u>5%</u>	<u>Herb</u>	15.		
8. <u>Spiraea latifolia</u>	<u>5%</u>	<u>Shrub</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/7</u> <u>43%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>no wetland hydrology.</u>	



Date: 10-11-05  
 Community ID:  
 Plot ID: NTG 3621A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1			silt loam
2-12	B	10YR 3/2			↓
12-18	B <sub>a</sub>	10YR 2/1			
18+	C	2.5Y 5/4	10YR 5/8	many/large/distinct	coarse sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: marginal hydric appearance

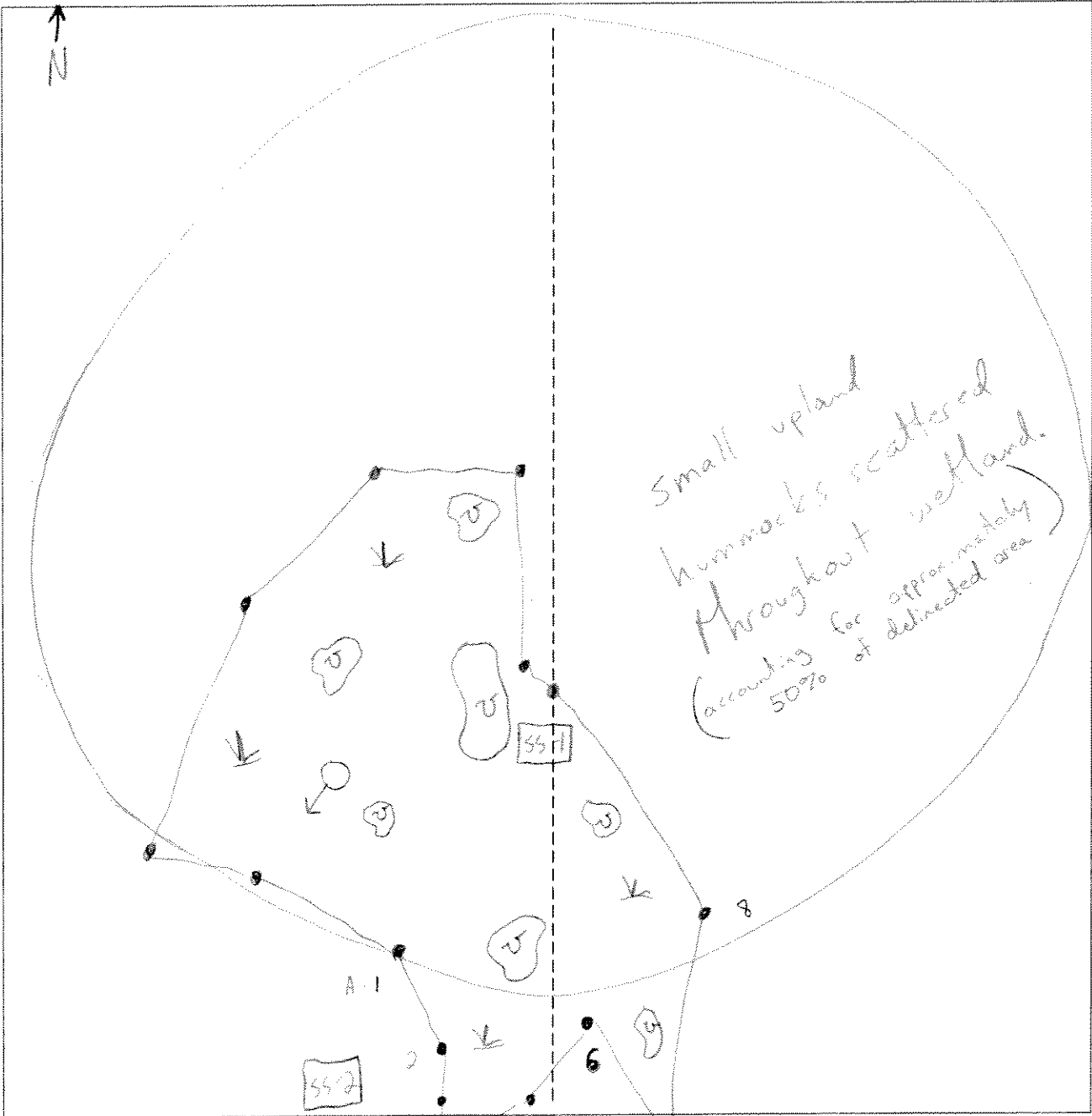
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

**SKETCH FORM**

Wetland ID/Route #: WT 036 alt A	Date: 10-11-05	Time: 11:00 am
Intials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <u>Ellenburg Winifred</u>	Date: <u>5 Oct 2005</u>
Applicant/Owner: Horizon Renewable Energy	County: Clinton
Investigator: <u>J. Arnett, S. Ryan, K. Hannon</u>	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>WT648ASS1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

PSS

Plant Community Classification:

Percent Canopy Cover: Tree: 10 Shrub: 80 Herb: 80 Vine: 0

Dominant Plant Species	%	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>5</u>	<u>Tree</u>	<u>FAC</u>	9. <u>Scirpus riparius</u>	<u>+</u>	<u>herb FACW+</u>
2. <u>Betula populifolia</u>	<u>5</u>	<u>Tree</u>	<u>FAC</u>	10. <u>Fragaria virginiana</u>	<u>10</u>	<u>herb FACW+</u>
3. <u>Spiraea tomentosa</u>	<u>60</u>	<u>Shrub</u>	<u>FACW</u>	11. <u>Solidago rugosa</u>	<u>10</u>	<u>herb FAC</u>
4. <u>Spiraea latifolia</u>	<u>5</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Carex sp. sp.</u>	<u>20</u>	<u>herb</u>	<u>FACW+</u>	13.		
6. <u>Carex - multi. spikes</u>	<u>20</u>	<u>herb</u>	<u>FACW+</u>	14.		
7. <u>Rubus hispida</u>	<u>30</u>	<u>Shrub</u>	<u>FACW</u>	15.		
8. <u>Aegopogon cf. stolon.</u>	<u>40</u>	<u>herb</u>	<u>FACW</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt;14"</u> Depth to Saturated Soil (in.): <u>4"</u>	Remarks: <u>Soils similar to many other plots in the region - saturation zone is on top of a more sandy, bright layer</u>

WT 648 A 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>0</sub>	10YR 7/2	—	—	sandy loam
4-12	B	10YR 3/2	—	—	silt loam
12-4	B <sub>a</sub>	10YR 3/3	10YR 7/6	abundant distinct	sandy silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Cannot explain lower part of B horizon with high chroma. Upper B is saturated, with low chroma					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks The vegetation was strongly hydric, and this combined with saturation in the root zone in this dry early fall lead us to consider this wetland, though the soils are ambiguous			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

WTF 48A-SSA  
 JPL

Project Site: Clinton County / <u>Ellenburg</u> <u>Windsor</u> Applicant/Owner: <u>Horizon Renewable Energy</u> Investigator: <u>KH, SK, JA</u>	Date: <u>10/25/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTF 48A-SSA</u>

**VEGETATION**

UPLANDS shrub

Plant Community Classification: Percent Canopy Cover: Tree: <u>25%</u> Shrub: <u>25%</u> Herb: <u>15%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>20</u>	<u>Tree</u>	9.		
2. <u>Betula populifolia</u>	<u>5</u>	<u>Tree</u>	10.		
3. <u>Sarcocolla latifolia</u>	<u>20</u>	<u>Shrub</u>	11.		
4. <u>Abies balsamea</u>	<u>5</u>	<u>Shrub</u>	12.		
5. <u>Cornus canadensis</u>	<u>15</u>	<u>Herb</u>	13.		
6. <u>Drumstick</u>	<u>+</u>	<u>Herb</u>	14.		
7. <u>Vaccinium</u>	<u>5</u>	<u>Shrub</u>	15.		
8. <u>Solidago fugosa</u>	<u>5</u>	<u>Herb</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>67</u>					
Remarks:					

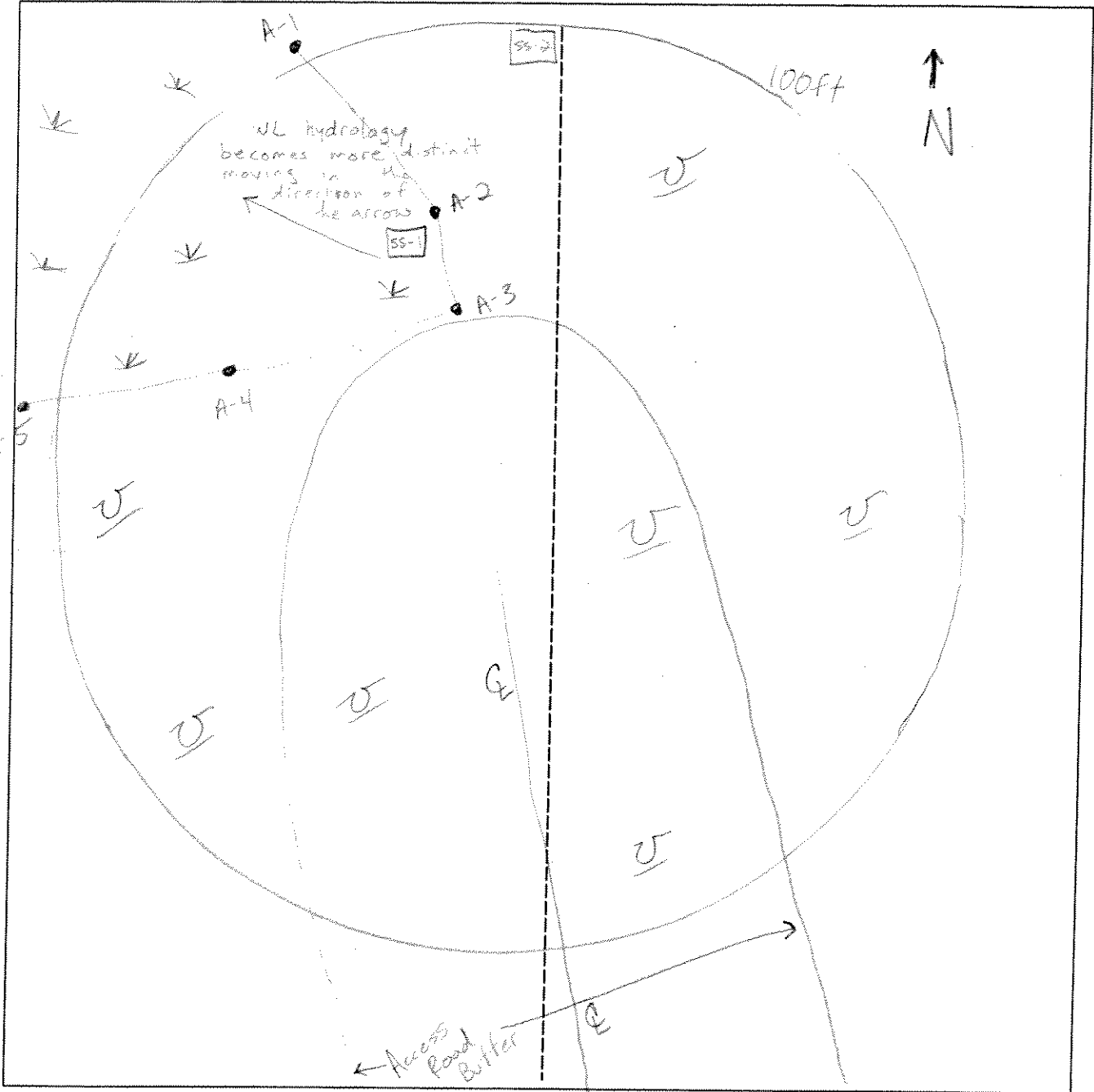
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>214</u>  Depth to Saturated Soil (in.): <u>214</u>	
Remarks: <u>No evidence of hydrology</u>	



### SKETCH FORM

<b>Wetland ID/Route #:</b> WTG 48A	<b>Date:</b> 10-5-05	<b>Time:</b>
<b>Initials of Delineators:</b> SR KH JA	<b>Location:</b> Clinton County Wind Project	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
○▲ Photo Location/Direction	∇ Wetland
□ Sample Station	— Upland
- - - Centerline	— Stream
▷ Flag	- . . Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>HURDAN</i> Investigator: <i>J. Arnett, S. Ryan</i>	Date: <i>9 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTG 74A - S1-1</i>

**VEGETATION**

*PSS/PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>70</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Abies balsamea</i> 5	T	FAC	9. <i>Asarum canadense</i> 15	H	FACW
✓ 2. <i>Rubus idaeus</i> 70	S	FAC-	10. <i>Solidago sp. rugosa</i> 20	H	FAC
3. <i>Betula papyrifera</i> 2	S	FAC	11. <i>Polygonum lapathifolium</i> +	H	OBL
4. <i>Carex edmonstonei</i> 2	S	FACW	12.		
5. <i>Sagittaria arifolia</i> 20	H	FACW+	13.		
✓ 6. <i>Juncus effusus</i> 30	H	FACW+	14.		
7. <i>Carex crinita</i> 10	H	OBL	15.		
8. <i>Carex</i> 2	H	unknown	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>to 4"</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>very wet, prob. mostly due to heavy rain with a few low days</i>	



**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
	A	10Y2 7/1			5.12 3mm
	B	10YR 3/2	10Y2 4/6	many distinct nod	Sandy

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** In some areas with this wetland  
Sandy B horizon has a chroma that is technically  
\*too high for hydric, but because of streaking, mottles, and  
because soil often does not show hydric characteristics,  
we decided to consider this wetland based on the vegetation

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

**Remarks**  
See comments above on a hydric soil. This is  
a marginal site

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Wood Farm</i>	Date: <i>9 Oct 2005</i>
Applicant/Owner: <i>MORTON</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnelly S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>WTG 74 A SS-2 upland</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	

**VEGETATION**

*Upland Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>100</i> Shrub: <i>2</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Abies balsamea</i> 80	T	FAC	9.		
✓ 2. <i>Betula papyrifera</i> 20	T	FACU	10.		
✓ 3. <i>Viburnum americanum</i> 10	T	FACW-	11.		
✓ 4. <i>Acer rubrum</i> 1	S	FAC	12.		
✓ 5. <i>Cornus rugosa</i> 1	S	NI	13.		
✓ 6. <i>Athyrium filix femina</i> 20	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>67</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No evidence</i>	

**SOILS**

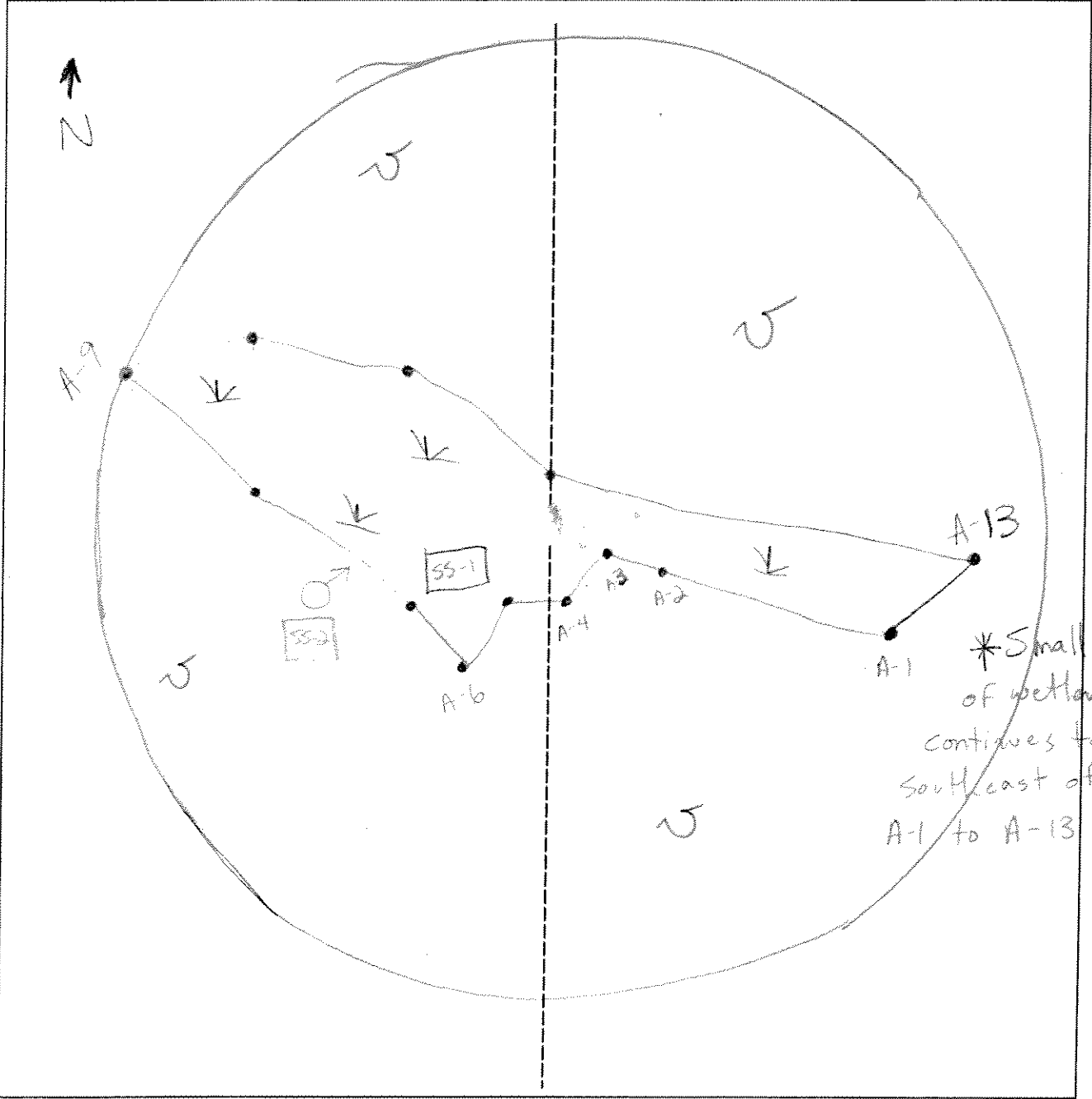
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/1	—	—	silt loam
5-14	B	10YR 4/4	—	—	Sandy silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  upland					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
			Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks Forested area at edge of cleared wetland				

### SKETCH FORM

<b>Wetland ID/Route #:</b> WTG 74 A	<b>Date:</b> 10-9-05	<b>Time:</b> 12:08
<b>Initials of Delineators:</b> S. Ryan J. Arnett	<b>Location:</b> Clinton County Wind Farm	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
<ul style="list-style-type: none"> <li> Photo Location/Direction</li> <li> Sample Station</li> <li> Centerline</li> <li> Flag</li> </ul>	<ul style="list-style-type: none"> <li> Wetland</li> <li> Upland</li> <li> Stream</li> <li> Intermittent Stream</li> </ul>

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>S. Ryan J. Arnett</i>	Date: <i>10-11-05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>WTG 87A/B-55-1</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>60</i> Herb: <i>100</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i> 30%	Tree	FAC	9.		
2. <i>Alnus incana</i> spp. <i>incana</i> 15%	Tree	FACW+	10.		
3. <i>Rubus idaeus</i> 10%	Shrub	FAC-	11.		
4. <i>A. incana</i> spp. <i>rupestris</i> 30%	Shrub	FACW+	12.		
5. <i>Ulmus americana</i> 15%	Tree	FACW+	13.		
6. <i>Carex</i> spp. 5%	Herb		14.		
7. <i>Dryopteris intermedia</i> 15%	Herb	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/7 71%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>5 in</i> Depth to Saturated Soil (in.): <i>at surface</i>	
Remarks:	

Date: 11 Oct 2005  
 Community ID:  
 Plot ID: WTB 87 A<sub>B</sub> S3-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	-	-	silt loam
6-12	B	2.5Y 5/3	10YR 5/8	few / large / distinct	medium sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input checked="" type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: * Auger refusal @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. West Farm</i> Applicant/Owner: <i>F. W. [unclear]</i> Investigator: <i>J. Amuth, J. Farrell, S.</i>	Date: <i>11 Oct 2003</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTG 87 A/B 552</i>

**VEGETATION**

*UPLAND FOREST*

Plant Community Classification: Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>30</i> Herb: <i>70</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<input checked="" type="checkbox"/> 1. <i>Ulmus americana</i> 20	<i>T</i>	<i>FACW+</i>	<input checked="" type="checkbox"/> 9. <i>Dryopteris</i> 10	<i>H</i>	<i>FACU</i>
<input checked="" type="checkbox"/> 2. <i>Acer rubrum</i> 25	<i>T</i>	<i>FAC</i>	10. <i>Athyrium</i> 10	<i>H</i>	
<input checked="" type="checkbox"/> 3. <i>Abies balsamea</i> 30	<i>T</i>	<i>FAC</i>	11.		
<input checked="" type="checkbox"/> 4. <i>Prunus serotina</i> 20	<i>T</i>	<i>FACU</i>	12.		
<input checked="" type="checkbox"/> 5. <i>Fraxinus pennsylvanica</i> 10	<i>T</i>	<i>FACW</i>	13.		
<input checked="" type="checkbox"/> 6. <i>Prunus serotina</i> 10	<i>S</i>	<i>FACU</i>	14.		
<input checked="" type="checkbox"/> 7. <i>Fraxinus sylvatica</i> 10	<i>S</i>	<i>FACW</i>	15.		
<input checked="" type="checkbox"/> 8. <i>Picea canadensis</i> 10	<i>S</i>	<i>FACU</i>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>4/10 = 50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No indicators of hydrology</i>	

ID: WTB 87AB 552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR 3/2	—	—	loam
3-6	A <sub>2</sub>	10YR 3/2	—	—	silt loam
6-10	B <sub>1</sub>	10YR 4/2	—	—	silt loam
10-18	B <sub>2</sub>	2.5Y 5/2	—	—	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

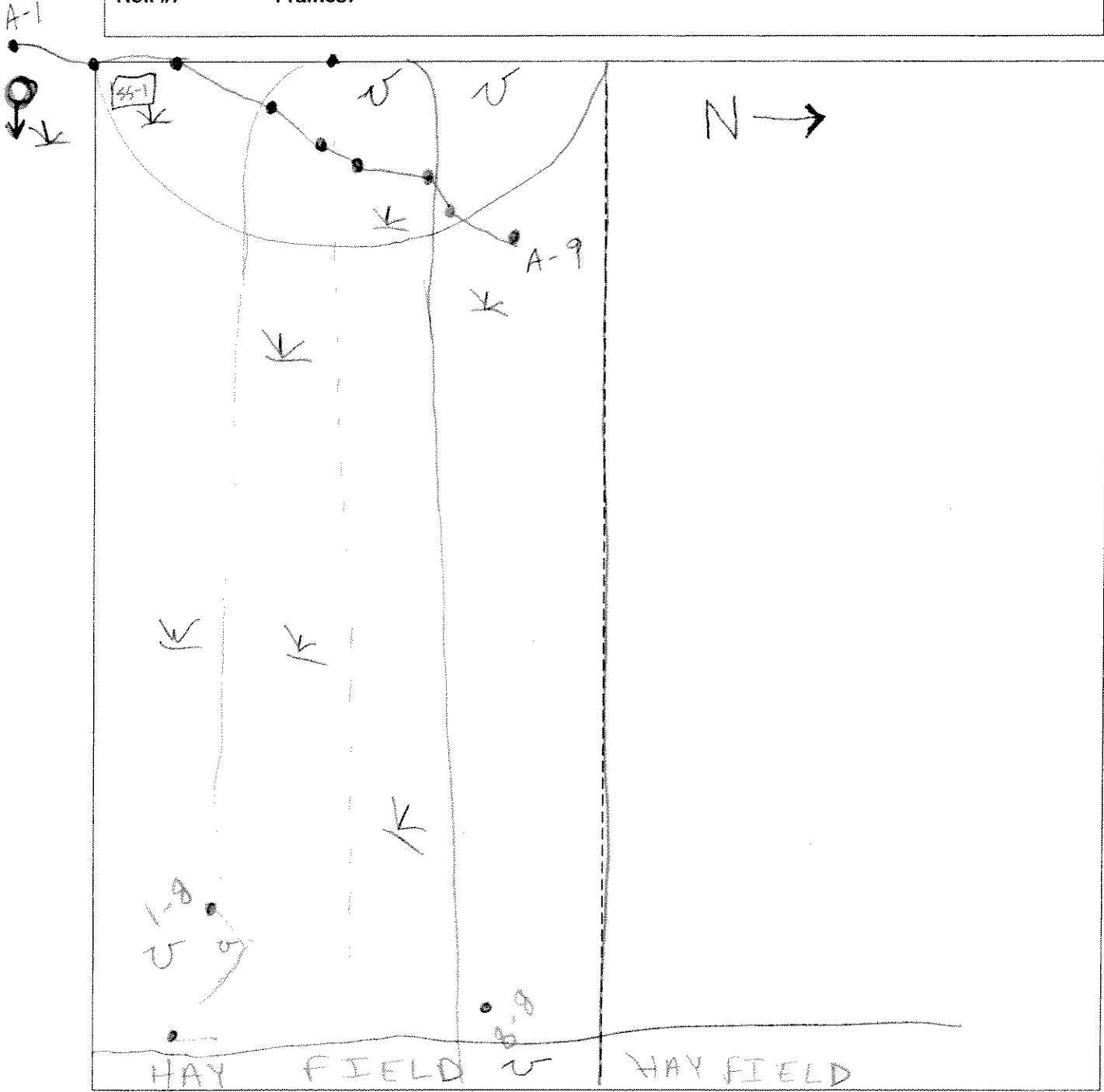
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
				Is this an Isolated Wetland?	Yes No
Remarks: upland that rises very gradually from extensive PSS to the east					



SKETCH FORM

Wetland ID/Route #: WTG 87 A/B	Date: 10-11-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg <i>Whiston</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>[Signature]</i>	Date: <i>10/18/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes    No Is the area a potential Problem Area?                    Yes    No (If needed, explain on reverse.)	Community ID: Transect ID: <i>W16 Ellenburg</i> Plot ID: <i>131</i>

**VEGETATION**

*LTO / P's*

Plant Community Classification: Percent Canopy Cover:      Tree: <i>20%</i> Shrub: <i>30%</i> Herb: <i>30%</i> Vine: <i>✓</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rubus</i>	TIS	FAC	9.		
2. <i>Grass</i>	TIS	FAC	10.		
3. <i>Sida</i>	S	FACW	11.		
4. <i>Sparganium</i>	S	FACW	12.		
5. <i>Spartina</i>	H	—	13.		
6. <i>Sparganium</i>	—	FACWT	14.		
7. <i>Sparganium</i>	H	FACWT	15.		
8. <i>Sparganium</i>	—	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>10"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	O	10YR 2/1			DAU
2-8"	A	10YR 2/2	4.5Y 4/1	10-15% 100	6/12"
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL OF AUGER @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <del>TRN</del> AK	Date: 10/18/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: WTC24100101 Plot ID: 552

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 10 Vine: 10					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Yellow Birch	T	FAC	9. Blackberry	H	FACW
2. Gray Birch	T	FAC	10. Club moss	H	FAC
3. Spice Bay	S	UDL*	11. Thresh bay	H	FAC-
4. Starved Maple	S	FACW	12. Wood bet	H	FAC-
5. Apple tree	T	FACW	13.		
6. W. Maple	T	FACW	14.		
7. Red Alder	S	FAC	15.		
8. Sugar maple	T	FACW-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 42%					
Remarks: * not listed					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/2	—	—	DM
1-5	A	10YR 2/2	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *RETRIAL OF AUGER @ 5"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		
Is this Sample Station Point Within a Wetland?				Yes <input checked="" type="radio"/> No

Remarks



TETRA TECH

SUBJECT

LASHWAY 01

PROJECT

Maple's Woods Farm

TC/P NO.

Harlow

ORIGINATOR

CHECKED

DATE

10/18/05

PAGE

OF

PAGES

PHOTOS: ROLL 3, FRAMES #3, 2

10/18

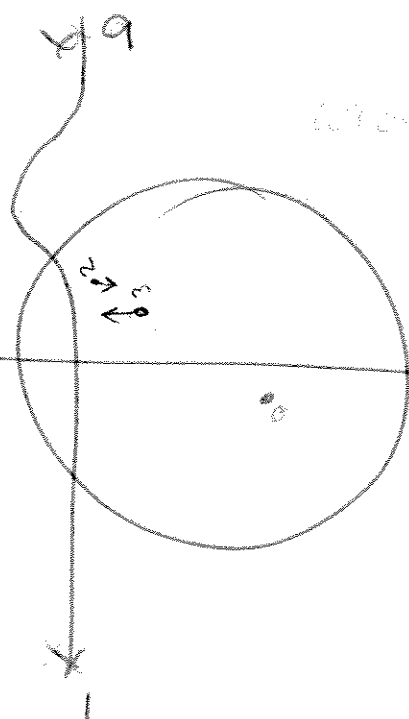
- [unclear] of Rice Lashway
- [unclear] [unclear]
- [unclear] [unclear]
- [unclear] [unclear]
- [unclear] [unclear]

LASHWAY 01

Combination to lockers - 1010

← NORTH

ACCESS RD.



(10/18/05) (10/18/05)

AR2A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR2-SS1  
wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH RD</i>	Date: <i>9/19/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No
Community ID: <i>WETLAND</i> Transect ID: <i>AR-21</i> Plot ID: <i>SS1</i>	

**VEGETATION**

Plant Community Classification: *PSS*  
 Percent Canopy Cover: Tree: *0* Shrub: *85* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky willow</i>	<i>S</i>	<i>OBL</i>	9.		
2. <i>Bark willow</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Carex Scroggiana</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Downy willow herb</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Kuch Aster</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>New York Aster</i>	<i>H</i>	<i>FACWT</i>	14.		
7. <i>Sensitive fern</i>	<i>H</i>	<i>FACW</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *WETLAND VEG PRESENT*

*NOTE: American Elm, SPECIED AIDER, & MEADOW SWEET  
OBSERVED in some portion of WETLAND*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>&gt;18"</i> Depth to Saturated Soil (in.): <i>&gt;18"</i>	
Remarks: <i>In between WTG 2 + WTG 1</i> <i>WETLAND Hydro PRESENT</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR-2/1	5YR-5/8	Few/ Med / Prominent	Clay-silt loam
9-16	E	5Y-6/4			silty sand
16-18	E	2.5Y-5/4	5YR-5/8	Few / Fine / distinct	silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

WETLAND Soil PRESENT

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)  Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks



17021A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR2-SS2

Upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KA RD</i>	Date: <i>7/19/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland field</i> Transect ID: <i>SS+AR2</i> Plot ID: <i>SS2</i>

**VEGETATION**

Plant Community Classification: *Ag Field*  
Percent Canopy Cover: Tree:  Shrub:  Herb: *100* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Dandelion</i>	<i>H</i>	<i>FACU -</i>	9.		
2. <i>wild Madder</i>	<i>H</i>	<i>UPL*</i>	10.		
3. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Mustard Sp.</i>	<i>H</i>	<i>UPL*</i>	12.		
5. <i>Grass Sp.</i>	<i>H</i>	<i>UPL*</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:  
*UPLAND VEG.*  
*\* - NOT LISTED.*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	





TETRA TECH

SUBJECT Zilka  
Clinton  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 9/19/05 PAGE 3 OF 5 PAGES

1605 Turbine location #2

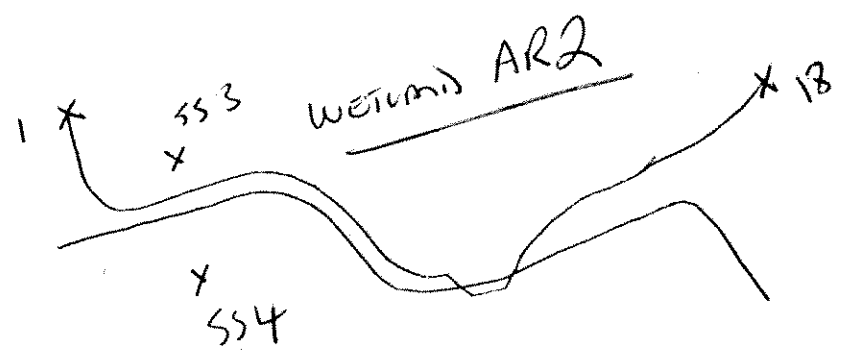
- Ag field: - grass  
90%  
- DANDELION  
- RED CLOVER  
- wild madder.  
- milkweed

- TREE LINE - 0 maple ~80%  
10%  
- BIK CHERRY  
- RED MAPLE  
- BASSWOOD  
- HAWTHORN
- LAND DIBH 6" dia  
~25-30' tall  
understory limited  
(Rock wall).

- SHRUBS - BRAMBLES ~20%  
- SPIREA (mossy succ)

- FERNS HERB. ~75%  
- FERN sp.  
- milkweed  
- Golden ROD.

1625 Access Road between turbines 1 & 2



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Cimarron County Wetland Project</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH/GD</i>	Date: <i>10/7/05</i> County: <i>Cimarron</i> State: <i>NV</i>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 214-551</i>

**VEGETATION**

Plant Community Classification: <i>PC1M</i> Percent Canopy Cover:      Tree: <i>1</i> Shrub: <i>1</i> Herb: <i>98</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Scirpus atrovirens</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>		
<i>2. Carex spp</i>	<i>H</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Phalaris arundinacea</i>	<i>H</i>	<i>FACW</i>	<i>11.</i>		
<i>4. Orzoclea sensibilis</i>	<i>H</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Acer rubrum</i>	<i>S</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Area between rock piles w/ tractor path, depression area!</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i>  Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wisconsin</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, GN</i>	Date: <i>10/7/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 21 A-552</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover:      Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <i>100%</i> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Zocea maris</i>	H	UPL*	9.		
2. <i>Poa sp</i>	H	unknown	10.		
3. <i>Solidago altissima</i>	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Farmed, currently in row crop (corn)</i>  <i>* NOT LISTED</i>					

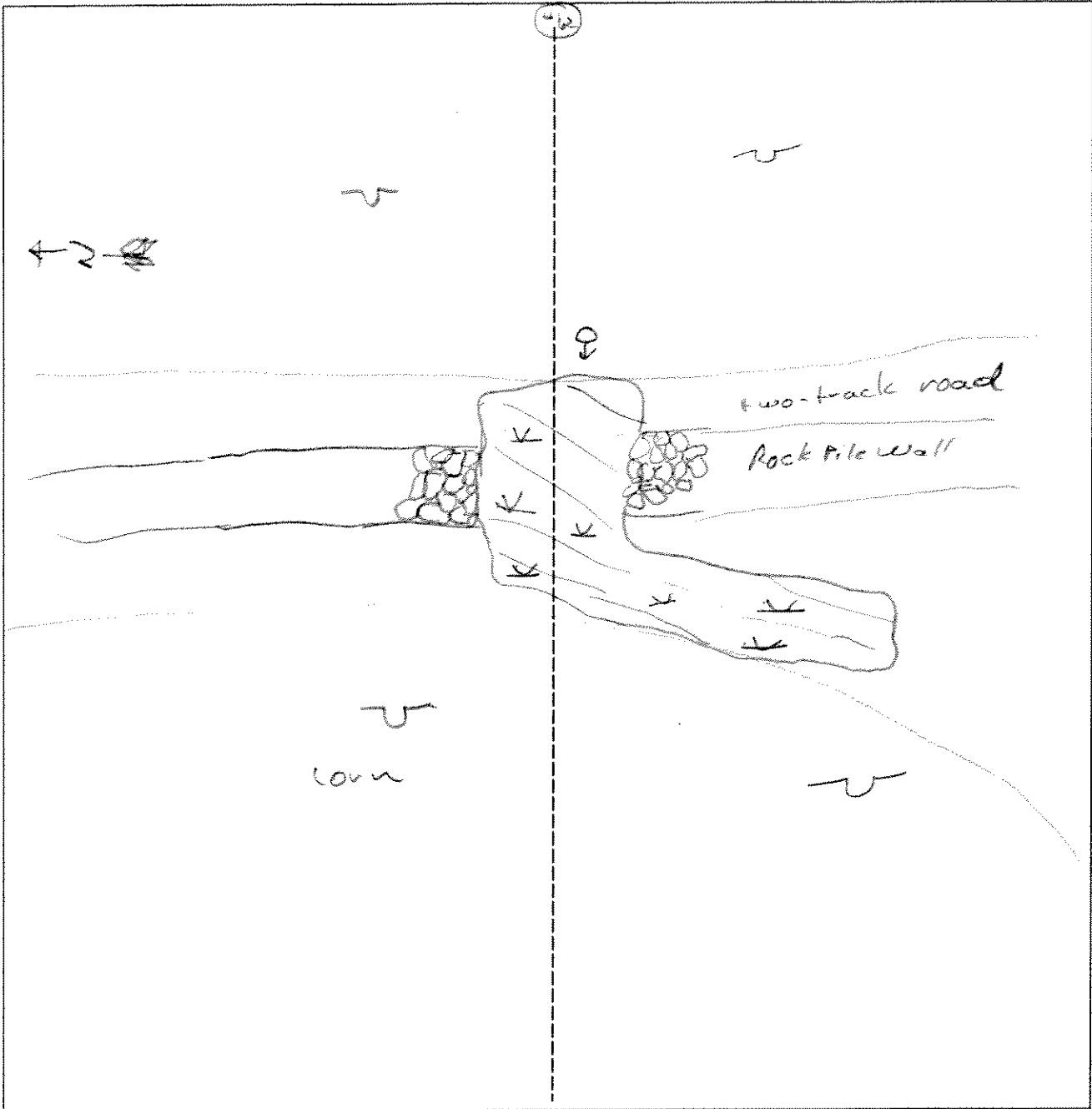
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0"</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i> Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks:	



SKETCH FORM

Wetland ID/Route #: <i>AR 21A-55</i>	Date: <i>10/7/05</i>	Time:
Initials of Delineators:	Location:	
Roll #:	Frames:	



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



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR26A/B  
wetland

Project Site: Clinton County / Ellenburg <i>Winds Farm</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>ISA, GD</i>	Date: <i>10/8/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR26A/B-SS1</i>

**VEGETATION**

Plant Community Classification: *AMPEM - Ag field*

Percent Canopy Cover:      Tree: *0*      Shrub: *0*      Herb: *100*      Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rice canopy grass</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>Carex sp</i>	<i>H</i>	<i>unknown</i>	10.		
3. <i>Carex sp</i>	<i>H</i>	<i>unknown</i>	11.		
4. <i>Poa</i>	<i>H</i>	<i>unknown</i>	12.		
5. <i>Trifolium</i>	<i>H</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *60%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>1/2 inch at deepest</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>* Rainfall within last 4 hours</i> <i>photo # 9</i>	

AR26A/B SS-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0 - 10	Ap	10YR-4/1	10YR-5/8	Many / large / distinct	clay loam w/ sand
10 - 12	Ap <sub>1</sub>	10YR-5/2	10YR-5/8	Many / large / distinct	" "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ~ 8 inches Mn mottles appear 10YR-2/1 Few / large / distinct - redial at 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)	
Hydric Soils Present?	Yes	No			Is this Sample Station Point Within a Wetland? <span style="text-align:center;">Yes</span> No
Remarks					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <i>Windsor</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH, GD</i>	Date: <i>2 Oct 2005</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR26A/B-552</i>

**VEGETATION**      *open upland*

Plant Community Classification:					
Percent Canopy Cover:      Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <i>100%</i> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Fall Bunchgrass</i>	<i>H</i>	<i>UPL*</i>	<i>9.</i>		
<i>2. Rye</i>		<i>FACU-</i>	<i>10.</i>		
<i>3. For</i>		<i>unknown</i>	<i>11.</i>		
<i>4. Red clover</i>		<i>FACU-</i>	<i>12.</i>		
<i>5. cow vetch</i>		<i>UPL*</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input checked="" type="radio"/>					
Remarks: <i>* NOT LIVED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i>  Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks: <i>upland Data Point</i>	

**SOILS**

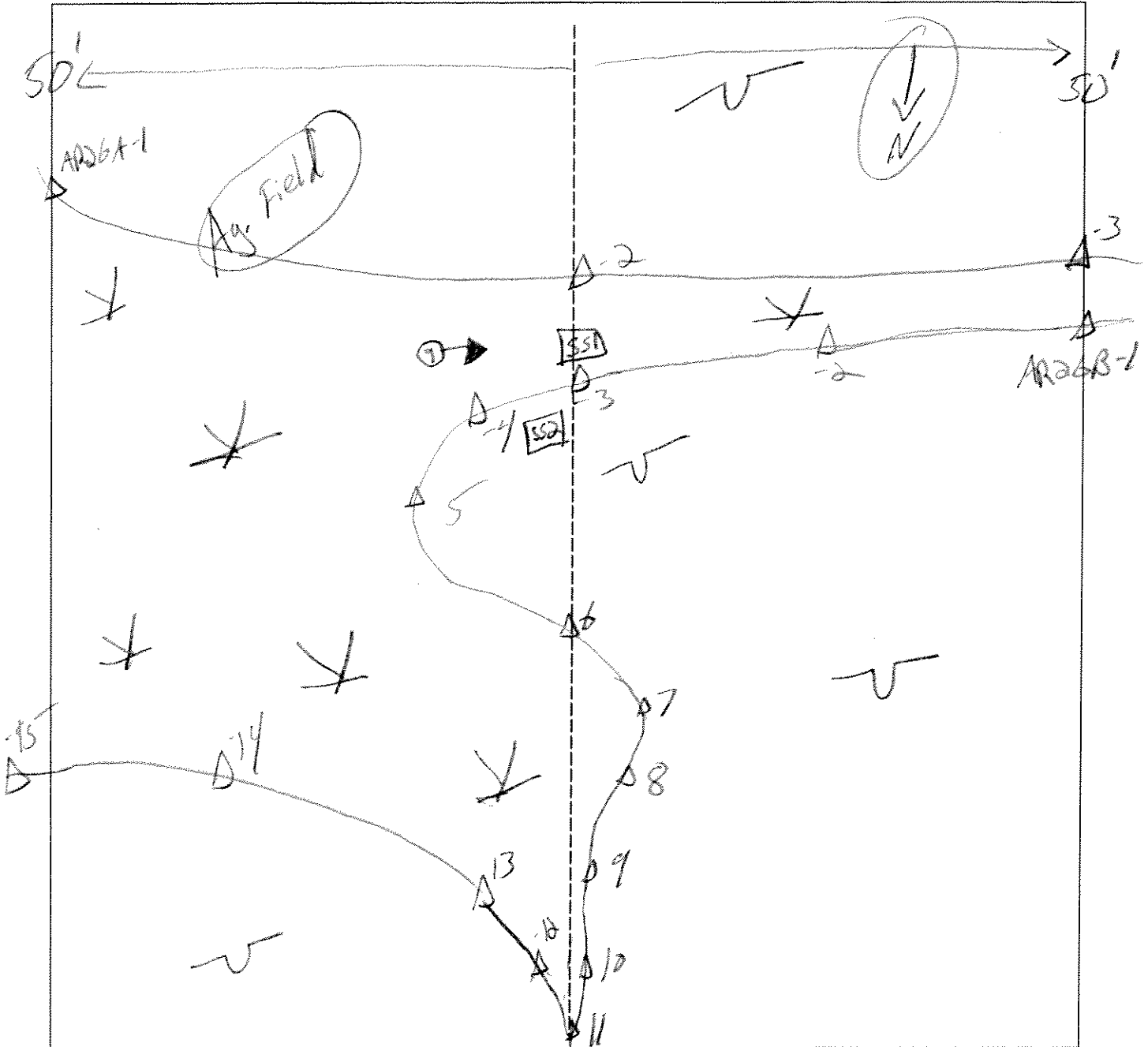
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6"	AP	10YR 4/1	10YR 5/8	Narrow/Long/Bright	clay lean MW con.
Refusal					
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No		
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No
Remarks Rain fall within the last 4 hours PK			

SKETCH FORM

Wetland ID/Route #: <i>AR26A/B</i>	Date: <i>10/8/05</i>	Time:
Initials of Delineators: <i>SH, SD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>pix #9 - Greg's camera</i>	Frames:	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wetland</i>	Date: <i>10/10/05</i>
Applicant/Owner: <i>HORIZON</i>	County: <i>Clinton</i>
Investigator: <i>GD, SG, RD</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>A230A-SS1</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *PEN1/PSS*

Percent Canopy Cover: Tree: *10%* Shrub: *30%* Herb: *90%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex intemescens</i>	H	FACW+	9. <i>Rubus</i> spp	V	indicator
2. <i>Acer rubrum</i>	S	FAC	10.		
3. <i>Acer rubrum</i>	T	FAC	11.		
4. <i>Botula populifolia</i>	S	FAC	12.		
5. <i>Solidago graminifolia</i>	H	FAC	13.		
6. <i>Juncus obtusifolius</i>	IF	FACW+	14.		
7. <i>Pteris</i> <i>Selagin</i>	H	OPL	15.		
8. <i>Carex lupulina</i>	IF	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *78%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt;6</i> Depth to Saturated Soil (in.): <i>&gt;6</i>	
Remarks: <i>Auger refusal @ 6"</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10Yr 3/2	-	-	Humus
2-6	A	10Yr 4/2	10Yr 5/6	many/fine/h-ighed	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? Yes No
			Is this an Isolated Wetland? Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i>	Date: <i>10/10/05</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>GSA, JG, RD</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 304 - 552</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *Upland Forest / Logged*

Percent Canopy Cover: Tree: *20%* Shrub: *40%* Herb: *80%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cornus canadensis</i>	<i>H</i>	<i>FAC+</i>	9.		
2. <i>Acer saccharum</i>	<i>T</i>	<i>FACU-</i>	10.		
3. <i>Acer saccharum</i>	<i>S</i>	<i>FACU-</i>	11.		
4. <i>Prunus serotina</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Lycopodium clavatum</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Betula populifolia</i>	<i>S</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *53%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>76</i> Depth to Saturated Soil (in.): <i>76</i>	
Remarks:	



ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10Y-3/2			Humus
2-6	A	10Y-4/2			Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input type="radio"/> No		
Hydric Soils Present?	Yes	<input type="radio"/> No		
			(Circle)	
			Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
			Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co Wetlands</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>GD, JG, RD</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 30A -SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>40%</u> Herb: <u>85%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Prunus serotina</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Solidago graminifolia</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Nyctelia populifolia</u>	<u>H</u>	<u>FAC</u>	12.		
5. " "	<u>S</u>	<u>FAC</u>	13.		
6. <u>Field Sedge</u>	<u>H</u>	<u>LPL</u>	14.		
7. <u>Carex lasiocarpa</u>	<u>H</u>	<u>FACW+</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks: <u>Hummock within AR 30A</u> <u>Photo # 02 Pt 10 towards SS1 location</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6"</u> Depth to Saturated Soil (in.): <u>&gt; 6"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3	—	—	silky loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County road Applicant/Owner: HORIZON Investigator: GED, JG, RD	Date: 10/10/85 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR 300/c - 501

**VEGETATION**

Plant Community Classification: TSS/PEN					
Percent Canopy Cover: Tree: 100% Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	FACW+	9.		
2. <i>Carex scoparia</i>	H	FACW	10.		
3. <i>Carex lurida</i>	H	OBSL	11.		
4. <i>Betula populifolia</i>	S	FAC	12.		
5. <i>Carex</i> spp	H	FAC	13.		
6. <i>Acer rubrum</i>	T	FAC	14.		
7. <i>Corylus cyperinus</i>	L	FACW+	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: Photo 13 Photo 14 offsite wetland NE of AR 30					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	C3	10Yr 3/1			loam
3-6	A	10Yr 3/2	10Yr 5/6	many/large/bright	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	
			Is this Sample Station Point Within a Wetland? Yes No
			Is this an Isolated Wetland? Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GLD/JG/RD</i>	Date: <i>10/10/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>TR 30B-552</i>

**VEGETATION**

Plant Community Classification: <i>upland</i> Percent Canopy Cover: Tree: <i>20%</i> Shrub: <i>40%</i> Herb: <i>60%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus serotina</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Rubus sp</i>	<i>S</i>	<i>unknown</i>	10.		
3. <i>Acer saccharum</i>	<i>T</i>	<i>FACW</i>	11.		
4. <i>Carex sp</i>	<i>H</i>	<i>unknown</i>	12.		
5. <i>Betula populifolia</i>	<i>S</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i>  Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/1			tan
3-6	A	10YR 3/2			silty loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wetland</i> Applicant/Owner: <i>NOZTOW</i> Investigator: <i>GEO/JO/RD</i>	Date: <i>10/10/05</i> County: <i>Clinton</i> State: <i>NV</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 30C-552</i>

**VEGETATION**

Plant Community Classification: <i>Forest</i> Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>30</i> Herb: <i>45</i> Vine: <i>5</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Prunus serotina</i>	S	FACU	10.		
3. <i>Betula populifolia</i>	S	FAC	11.		
4. <i>Fagus grandifolia</i>	T	FACU	12.		
5. <i>Carex scoparia</i>	H	FACW	13.		
6. <i>Rubus sp</i>	H	Unknown	14.		
7. <i>Rumex sp</i>	H	FACU	15.		
8. <i>Lycopodium clavatum</i>	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6</i> Depth to Saturated Soil (in.): <i>&gt; 6</i>	
Remarks:	



ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/2	—	—	loam
3-6	A	10YR 4/2	—	—	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>
Remarks			



TETRA TECH

SUBJECT Horizon

TRAM 1

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Whire #45

TC/P NO. \_\_\_\_\_

DATE 10/10/05 PAGE 1 OF 6 PAGES

WETLAND A230A

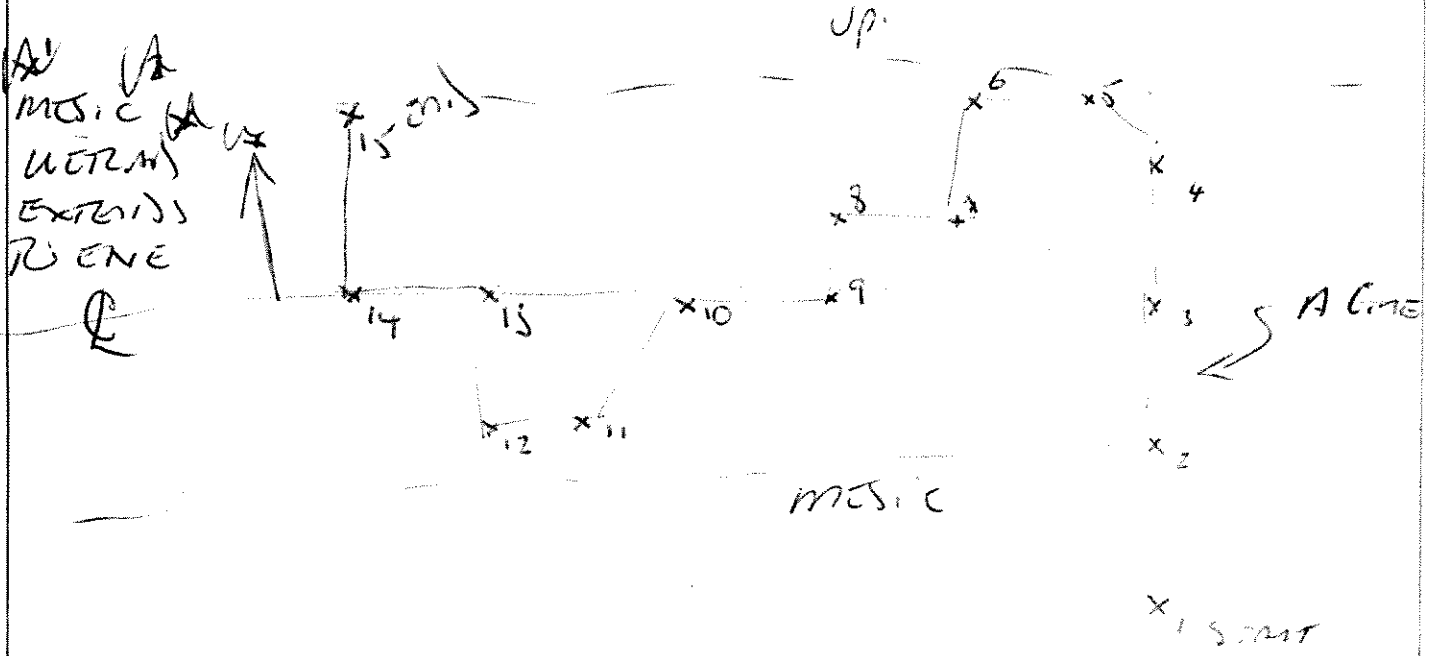
0930 - back at TURNING #45

WETLAND A230

VERY MESIC AREA ~ 50% WET ? 50% UP

- All Turnings in OCT 6 map - ~~have~~ can be delineated  
 new ones popped in for OCT 7<sup>th</sup> list  
 Direct me - Patrick ok - executive decision } JOE  
Parece

TELL STEVE.



\* Photo 12 AT pt 10 => SS1 WSC

AR



TETRA TECH

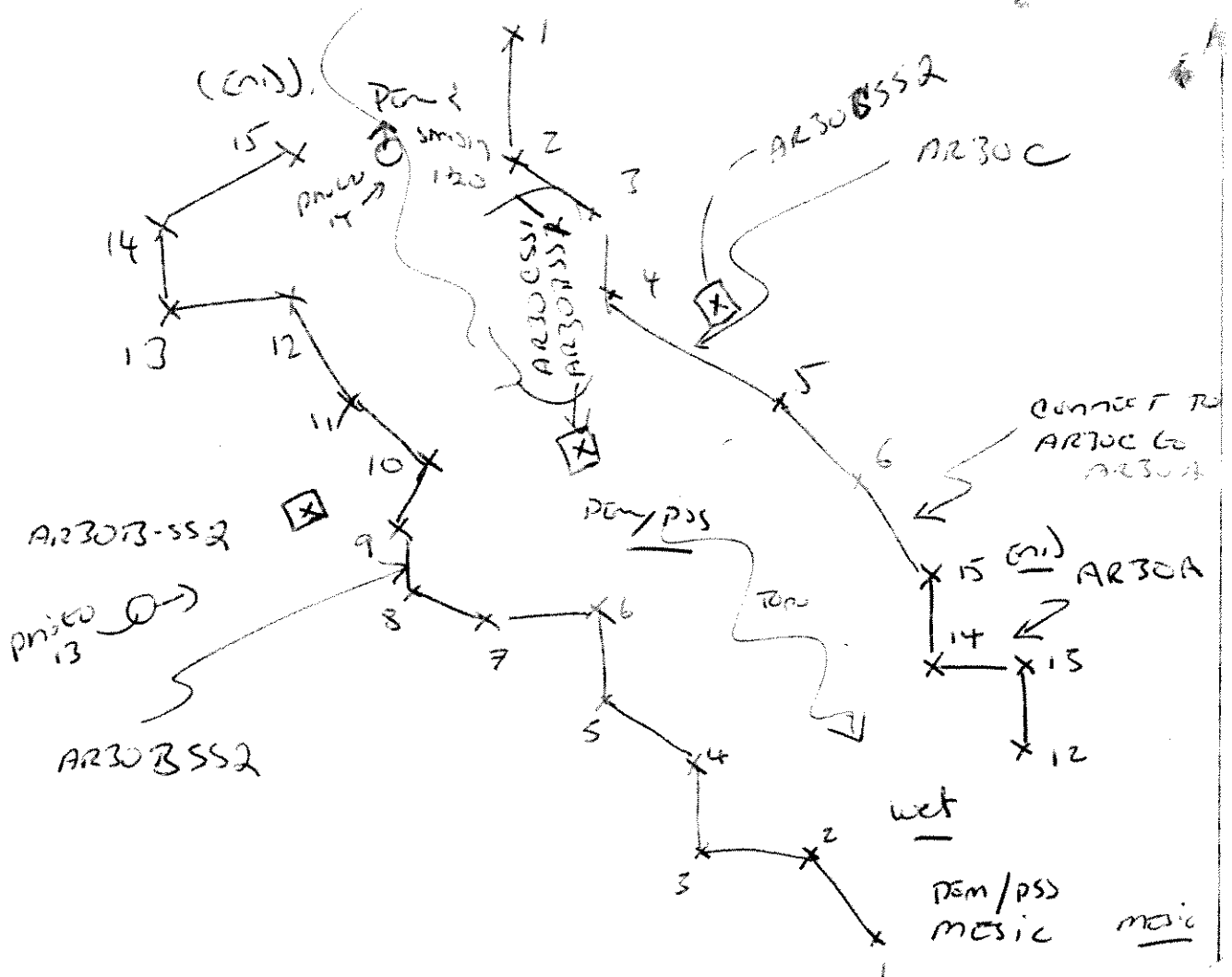
SUBJECT HORIZON  
TEAM 1  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Turnin #45  
TC/P NO. \_\_\_\_\_  
DATE 10/10/05 PAGE 2 OF 6 PAGES

# WETLANDS AL30B ICE

Photo 13 - AR30B-SS2 - AR30B ICE-SS1 & AR30C-SS2  
⇒ South

Photo 14 - PEN ⇒ NE



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County water</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GCD, JG, AD</i>	Date: <i>10/15/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 31A-551</i>

**VEGETATION**

Plant Community Classification: <i>DEM1B65</i>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>40%</i> Herb: <i>80%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex intumescens</i>	H	FACW+	9.		
2. <i>Carex spp</i>	H	FAC	10.		
3. <i>Acro. rubrum</i>	H+S	FAC	11.		
4. <i>Prunus serotina</i>	H+S	FACU	12.		
5. <i>Timnus affusus</i>	H	FACW+	13.		
6. <i>Dotula populifolia</i>	S	FAC	14.		
7. <i>Panicum lanuginosum</i>	H	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks: <div style="font-size: 2em; margin-top: 10px;">photo # 15</div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 2</i> Depth to Saturated Soil (in.): <i>&gt; 2</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10Y-3/1			loam
3-6	A	10YR 3/2	10YR 5/6	many/large/bright	silty loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	(Circle)
Is this Sample Station Point Within a Wetland?			Yes No
Is this an Isolated Wetland?			Yes NO

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wood</i>	Date: <i>01/01/05</i>
Applicant/Owner: <i>HORIZO</i>	County: <i>Clinton</i>
Investigator: <i>GWS, JG, RD</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>R231A-SS2</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>P35</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>85</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus caroliniana</i>	S	FACW	9.		
2. <i>Acro saccharum</i>	T	FACW-	10.		
3. <i>Lycopodium dendroideum</i>	H	FACW	11.		
4. <i>Asar rubrum</i>	S	FAC	12.		
5. <i>Abies balsamea</i>	S	FAC	13.		
6. <i>Thelypteris noveboracensis</i>	H	FAC	14.		
7. <i>Betula populifolia</i>	S	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>57%</i>					
Remarks: <i>Photo #16</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6</i>  Depth to Saturated Soil (in.): <i>&gt; 6</i>	
Remarks: <i>Aug. 2005 @ 6''</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3-1	—	—	loam
3-6	A	10YR 4/3	—	—	silty loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks



TETRA TECH

SUBJECT Hubzon

PROJECT Turbine #45

Team 1

TC/P NO. \_\_\_\_\_

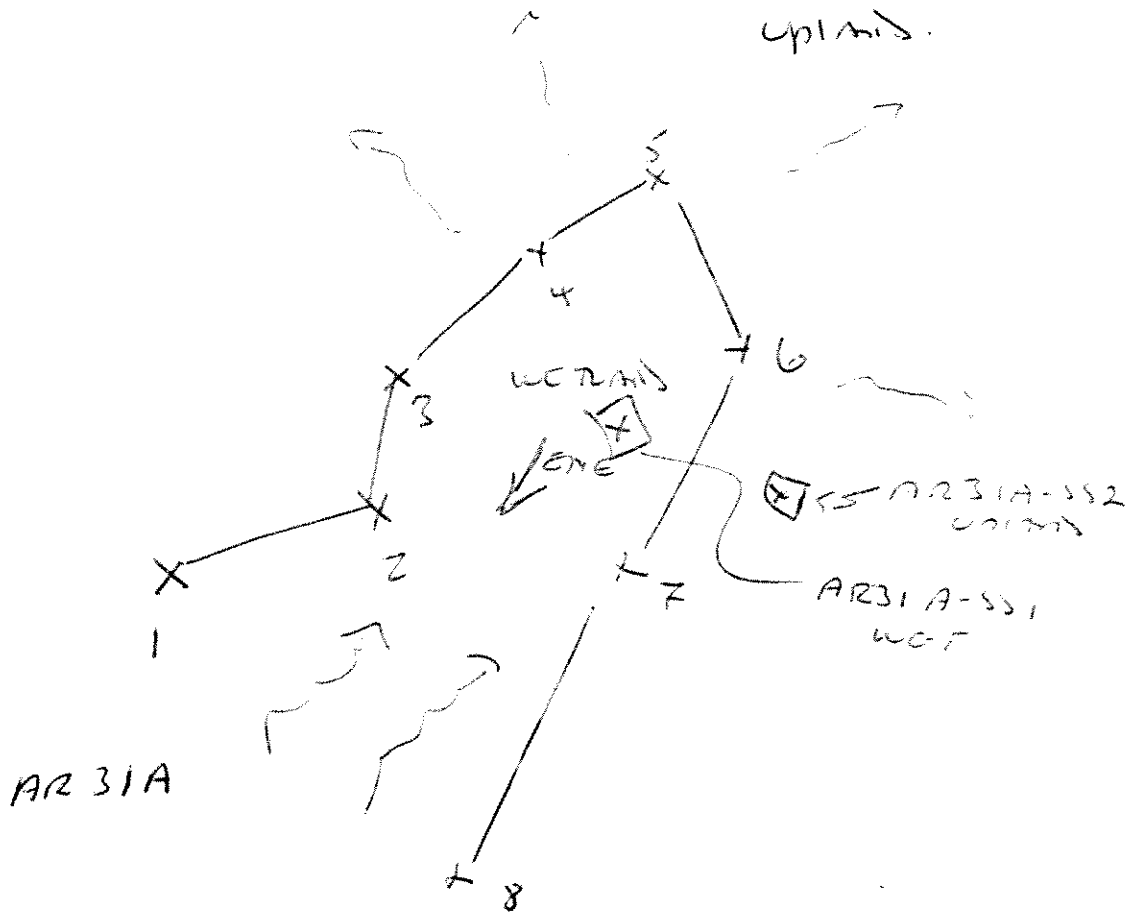
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/10/05 PAGE 3 OF 6 PAGES

WETLANDS AR31A

photo 15 wetlands AR31A-SS1 => Sub

photo 16 wetlands AR31A-SS2 => Sub





WOT 11

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co W. of PAWA</u> Applicant/Owner: <u>WATER</u> Investigator: <u>GED/SC</u>	Date: <u>10/12/05</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 421A SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>25</u> Herb: <u>45</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Chamaecyparis thyoides</u>	<u>T</u>	<u>OBL</u>	9. <u>Panicum repens</u>	<u>H</u>	<u>FAC</u>
2. <u>" "</u>	<u>S</u>	<u>OBL</u>	10. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACW</u>
3. <u>Solidago graminifolia</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Rubus spp</u>	<u>V</u>	<u>FAC</u>	12.		
5. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>" "</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Carex spp</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Scirpus obliquus</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>7 1/2</u>  Depth to Saturated Soil (in.): <u>11"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1	10YR 5/6	many 1/2-1/4 distinct	Mn concretion
6-14	A	10YR 3/1	10YR 5/7	" " "	Mn concretion

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

photo # 31

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			Is this Sample Station Point Within a Wetland? Yes No
			Is this an Isolated Wetland? Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Windsor Applicant/Owner: MNR, Inc. Investigator: JG, GD	Date: 10/12/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR 44A-SS2

**VEGETATION**

Plant Community Classification: <i>open upland</i>					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <input type="checkbox"/> Herb: 100% Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Fragaria virginiana</i>	H	FACU	9.		
2. <i>Cirsium arvense</i>	H	FACU	10.		
3. <i>Solidago graminifolia</i>	H	FAC	11.		
4. <i>Vicia cracca</i>	H	NL	12.		
5. <i>Achillea millefolium</i>	H	FACU	13.		
6. <i>Taraxacum officinale</i>	H	FACU-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 33%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >6" Depth to Saturated Soil (in.): >6"	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Soil does not exhibit any structures which indicate reduction is occurring					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes No
Remarks photo # 31				

10/15/21

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Union Co.</u> Applicant/Owner: <u>Houder</u> Investigator: <u>WJ, HD</u>	Date: <u>10/15/21</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PS2/PE11</u> Transect ID: <u>Open water</u> Plot ID: <u>102.81A-301</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>10</u>	Shrub: <u>35</u>	Herb: <u>30</u>	Vine: <u>0</u> <u>OW-75</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Cedar</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Spotted Alder</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Red Oak D. W.</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Red Oak Sweet</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>American Elm</u>	<u>T</u>	<u>FACW</u>	13.		
6.	<u>S</u>	<u>FACW</u>	14.		
7. <u>Wolf Grass</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Trifolium</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>&gt; 1 ft</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Heavy Rain 1/2 hr prior</u>	

ID: 7281A 53

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-4	A	10YR-5/1			loam
7-14	A <sub>1</sub>	10YR-5/2			clay loam
		10YR-5/1			

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal layer at 14 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Hydric Soils Present?	Yes	No		Is this an Isolated Wetland?
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR 81A-552

Project Site: Clinton County Applicant/Owner: Horizon Investigator: Hill RD	Date: 1/25/03 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: upland forest Transect ID: Plot ID: AR 81A-552

**VEGETATION**

upland Forest

Plant Community Classification:					
Percent Canopy Cover:		Tree: 30	Shrub: 40	Herb: 50	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Balsam Fir	T	FAC	9. Grass sp	H	-
2. Black Cherry	T	FACU	10. Wood sp	H	FACU
3. Red Maple	T	FAC	11.		
4. Red Birch	S	FACU	12.		
5. Balsam Fir	S	FAC	13.		
6. Mountain Alder	S	FAC	14.		
7. White Astrymonensis	S	FACU	15.		
8. " "	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 30%					
Remarks: 10/6 pits # 13 + 12 look W of 551 + 552					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): 0	
Remarks: Heavy rains / snowing light	

ID: 4131.7

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-3/1			silt loam
4-8	A	10YR-5/3			sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of pipe at 8 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Hydric - table procedure			



AR81B-UL 2

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, AD</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PFC/BS</i> Transect ID: Plot ID: <i>AR81B-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>40</i> Shrub: <i>60</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Cedar</i>	<i>T</i>	<i>FACW</i>	9. <i>Purple stem Aster</i>	<i>H</i>	<i>OBL</i>
2. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	10. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>
3. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	11. <i>Elderberry</i>	<i>S</i>	<i>-</i>
4. <i>American Elm</i>	<i>T</i>	<i>FACW</i>	12. <i>Carex inornata</i>	<i>H</i>	<i>FACut</i>
5. <i>"</i>	<i>S</i>	<i>FACW</i>	13.		
6. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	14.		
7. <i>"</i>	<i>S</i>	<i>FAC</i>	15.		
8. <i>Speckled Alder</i>	<i>S</i>	<i>FACut</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>coll 6 # 15 100% S N at 551</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>raining/snowing</i>	

ID: A02813-WL2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	D	10YR-2/1			loam w/ organics
6-12	A	10YR-6/2			sandy clay
12-18	B	10YR-4/2 clay 5G7-6/1			clay

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Is this an Isolated Wetland?	Yes	No
Hydric Soils Present?	Yes	No				

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AD513-414

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KA, BD</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland Forest</i> Transect ID: Plot ID: <i>AD513-552</i>

**VEGETATION**

Plant Community Classification: *Upland Forest*

Percent Canopy Cover: Tree: *75* Shrub: *20* Herb: *5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Aspen</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Black cherry</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>White Cedar</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Balsam Fir</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Wood Fern</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Tree fern like clubmoss</i>	<i>H</i>	<i>FAC</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *95%*

Remarks: *row 6 #14 100% w at 552*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>n/a</i>  Depth to Saturated Soil (in.): <i>0/+ heavy mud</i>	
Remarks: <i>- SA in reg. / showing false positive w/ Hydro</i>	

ID: 281B-014

**SOILS**

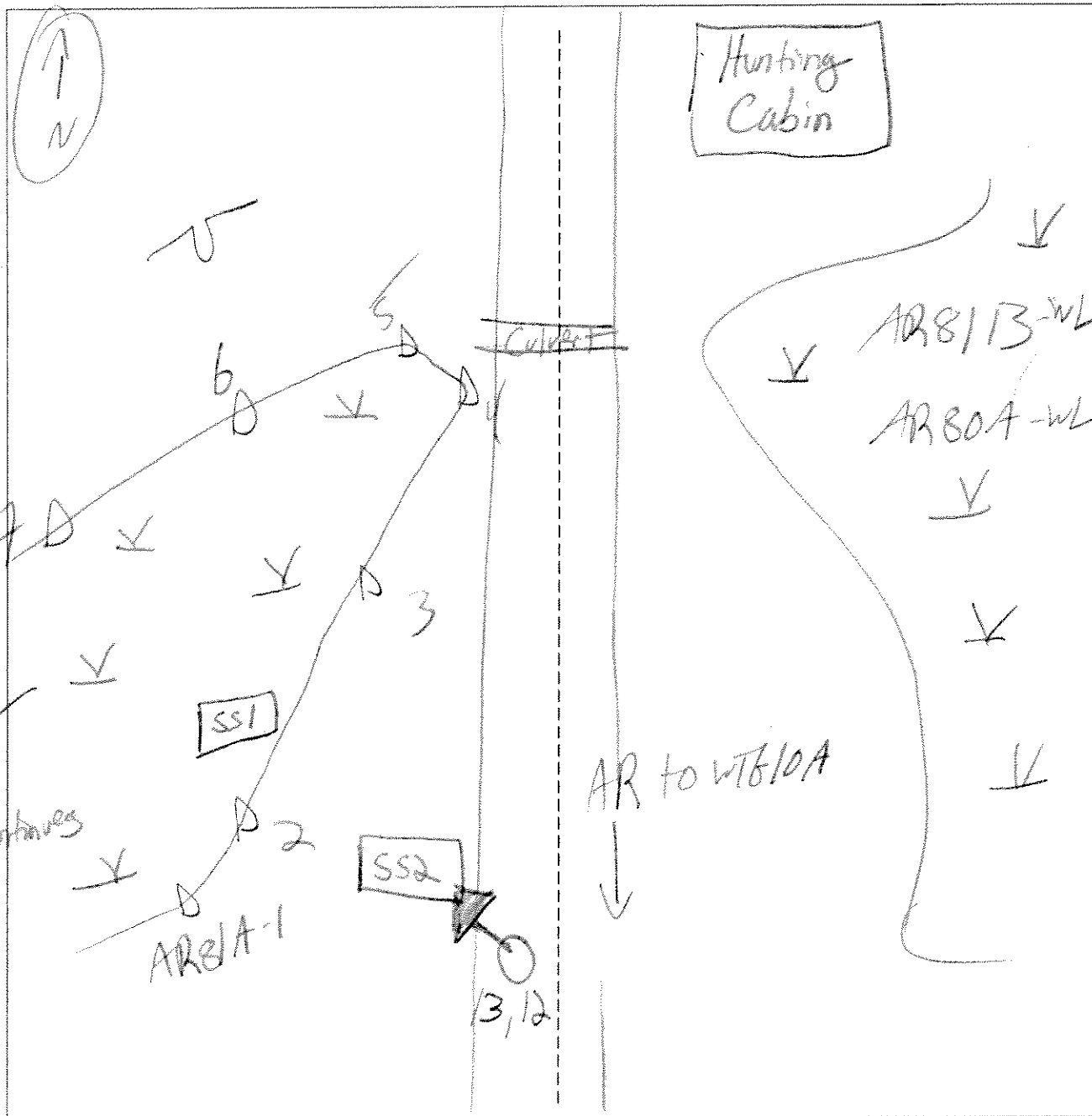
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-3/1			100m
3-9	A <sub>1</sub>	5YR-3/2			crumbly
9-14	A <sub>2</sub>	10YR-3/2			blocky clay
14-18	B <sub>1</sub>	7.5YR-4/1			2-10mm
	B <sub>2</sub>	10YR-4/6			sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

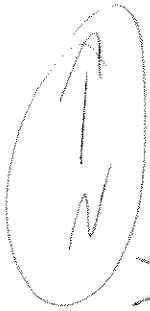
Hydrophytic Vegetation Present?	Yes No <input checked="" type="radio"/> <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No <input checked="" type="radio"/> <input type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
Hydric Soils Present?	Yes No <input checked="" type="radio"/> <input type="radio"/>		Is this an Isolated Wetland?
Remarks: Heavy Rains - False Positive Hydro			

SKETCH FORM

Wetland ID/Route #: <i>AR 81A</i>	Date: <i>10/25/05</i>	Time: <i>13:30</i>
Initials of Delineators: <i>KH, RD</i>	Location: <i>Clinton Co. AR to WTB/10A</i>	
Roll #: <i>6</i>	Frames: <i>13, 12 - same picture x 2</i>	



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



AR 81A  
wt

Living  
Cabin

AR 81B-1

AR  
to wt 6-10A

wt continues

AR 81B-10A

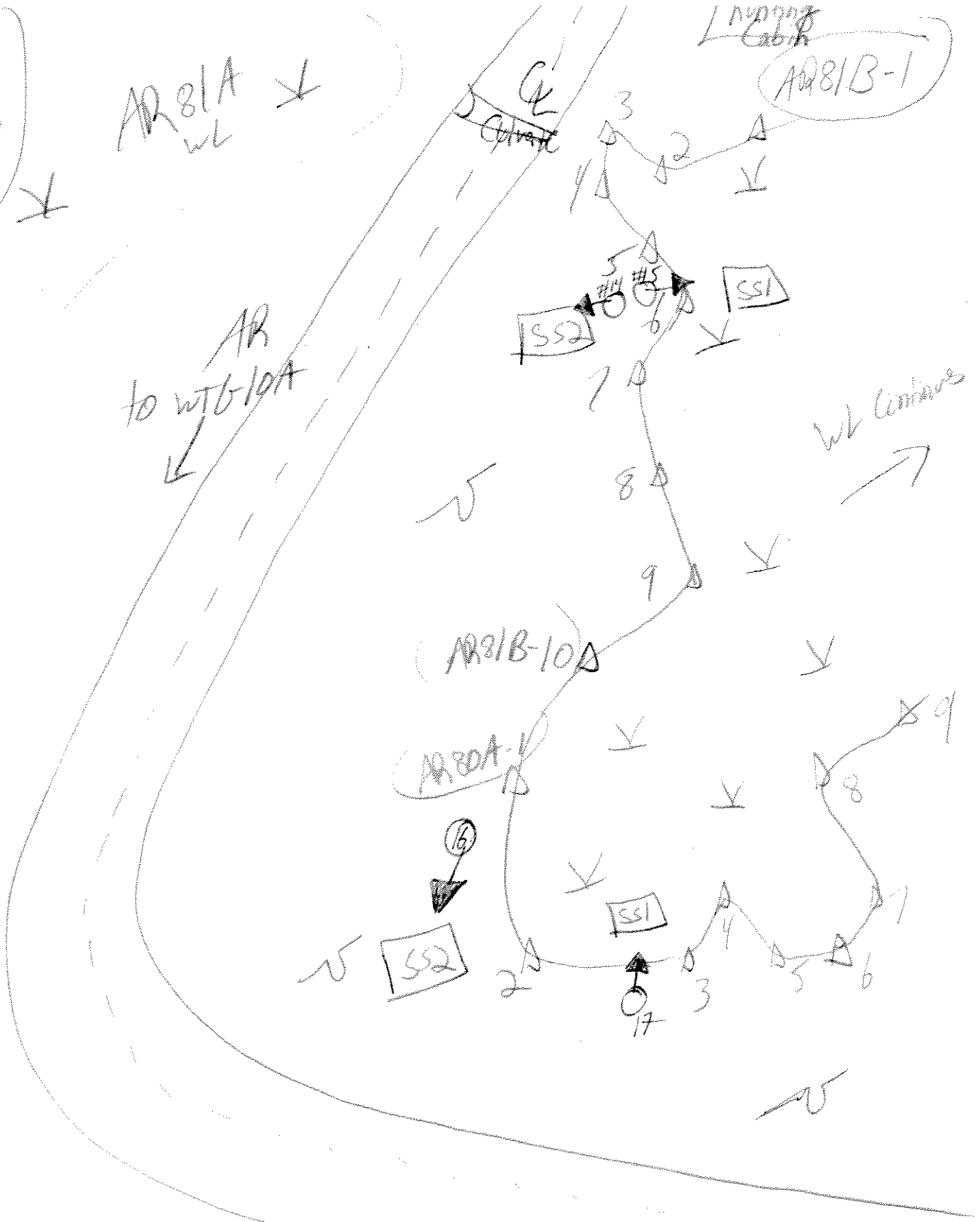
AR 80A-1

SS2

SS1

SS2

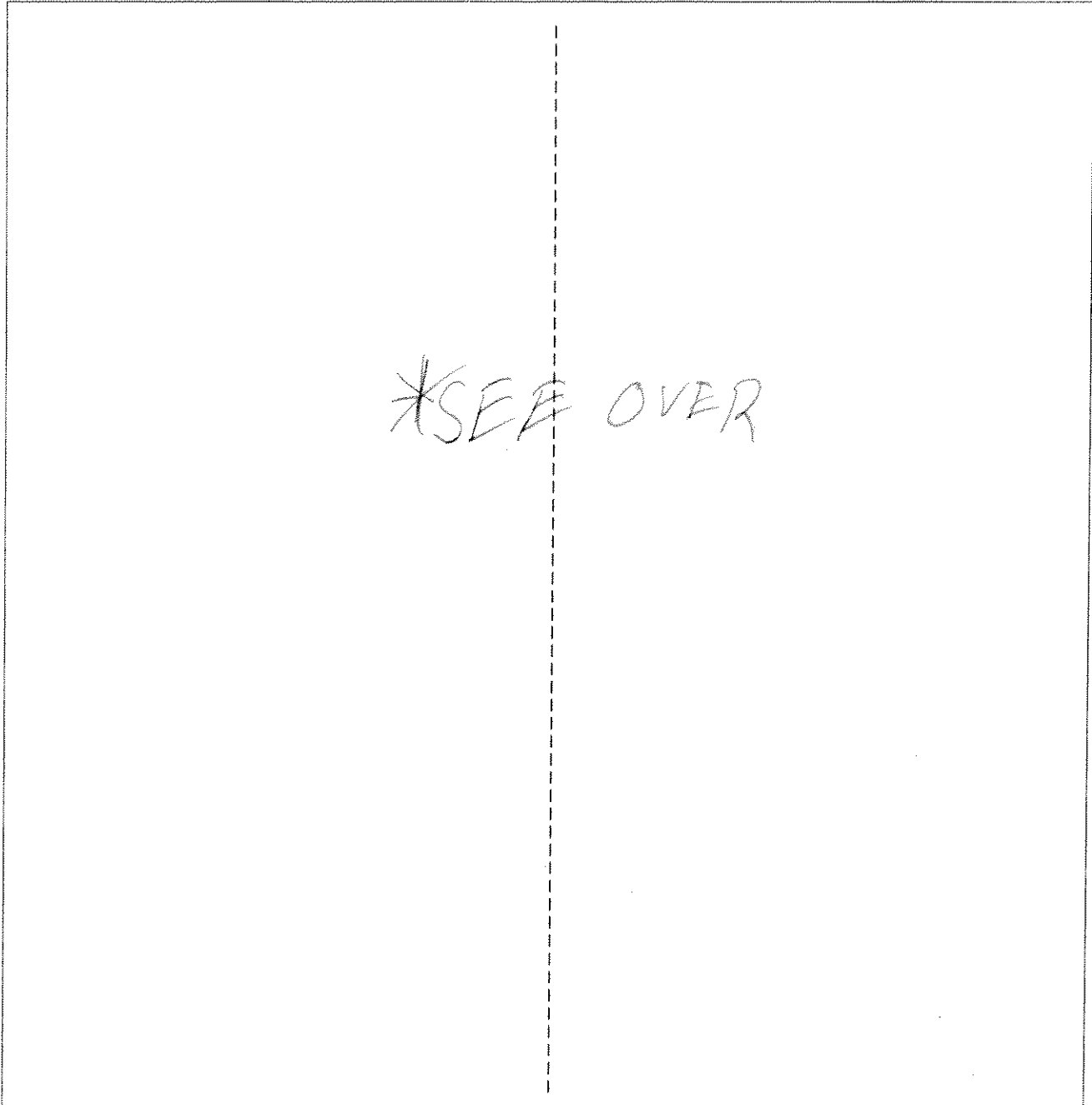
SS1



to wt 6  
10A

SKETCH FORM

Wetland ID/Route #: AR 80A connects to AR 8113	Date: 10/25/05	Time:
Initials of Delineators: KH, BD	Location: Clinton Co. AR to WTG-10A	
Roll #: 6	Frames: 17, 16, 15, 14	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Wind Farm	Date: 7 Oct 2005
Applicant/Owner: HORTON	County: Clinton
Investigator: J. Arvult, J. Ryan	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: AR101AB55-1
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

PEM

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 0 Shrub: 1 Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>Scirpus americanus</del>	Herb	OBL	9. Carex	Herb	OBL
2. <del>Tripsacis dactyloides</del>	Herb	FACW+	10.		
3. <del>Agrostis al. striata</del>	Herb	FACW	11.		
4. <del>Aster multiflorus</del>	Herb	FACW	12.		
5. <del>Cyperus tenuiflorus</del>	Herb	OBL	13.		
6. <del>Sagittaria</del>	Shrub	FAC	14.		
7. <del>Fragaria</del>	Herb	NI	15.		
8. <del>Ranunculus repens</del>	Herb	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): < Depth to Saturated Soil (in.): 0	
Remarks: Saturated at the surface	



**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A(P)	10YR 7/2	10YR 5/2	See lower horizon	
12+	B	10YR 4/2	10YR 5/4		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks: wetland in lower depression in field grazed by cattle				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i>	Date: <i>7 Oct 2005</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR100 AB 102</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*open upland*

Plant Community Classification:	Tree: <input checked="" type="radio"/>	Shrub: <input checked="" type="radio"/>	Herb: <i>100%</i>	Vine: <input checked="" type="radio"/>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Leontodon autumnalis</i>	Herb	<i>WPC *</i>	9.		
2. <i>Taraxacum officinale</i>	Herb	<i>FACW -</i>	10.		
3. <i>Trifolium repens</i>	Herb	<i>FACU -</i>	11.		
4. <i>Agrostis sibirica</i>	Herb	<i>FACW</i>	12.		
5. <i>Trifolium pratense</i>	Herb	<i>FACU -</i>	13.		
6. <i>Plantago major</i>	Herb	<i>FACU</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):			<i>17%</i>		
Remarks: <i>* not listed</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>unknown</i> Depth to Saturated Soil (in.): <i>Not present</i>	
Remarks: <i>No indicators of hydrology</i>	

A

ID: AR101ABSS 2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR 3/3			sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Extremely compacted rocky surface*

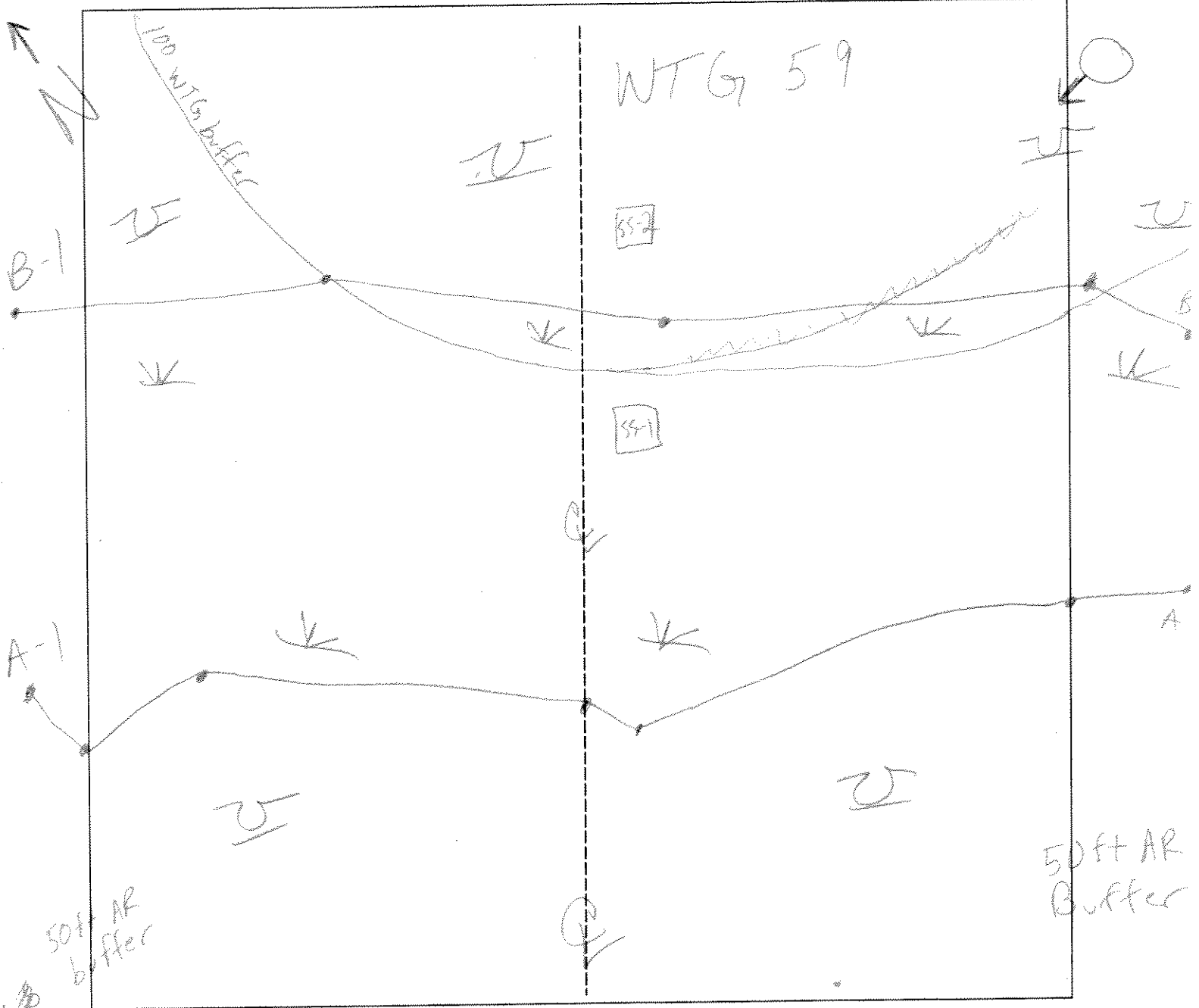
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
			Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Remarks:

SKETCH FORM

Wetland ID/Route #: AR101AB	Date: 7 Oct 2005	Time: 10:00
Initials of Delineators: JA, CR	Location: Clayton Co. West Fraine	
Roll #:	Frames: Photo Looking NW, cows & delineator	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wood Farm</u> Applicant/Owner: <u>M. Moran</u> Investigator: <u>T. Arnett, S. Ryan</u>	Date: <u>7 Apr 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 104 ABSS 1</u>

**VEGETATION**

PCS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input type="checkbox"/>	Herb: <input type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u><del>Salix</del></u>	<u>Shrub</u>	<u>FACW</u>	9. <u><del>Glyceria canadensis</del></u>	<u>Herb</u>	<u>OBL</u>
2. <u><del>Spiraea latifolia</del></u>	<u>Shrub</u>	<u>FAC</u>	10.		
3. <u><del>Solidago nemoralis</del></u>	<u>Herb</u>	<u>FAC</u>	11.		
4. <u><del>Scirpus americanus</del></u>	<u>Herb</u>	<u>OBL</u>	12.		
5. <u><del>Aster spicatus</del></u>	<u>Herb</u>	<u>FACW</u>	13.		
6. <u><del>Ranunculus abortivus</del></u>	<u>Herb</u>	<u>FAC</u>	14.		
7. <u><del>Phytolacca americana</del></u>	<u>Herb</u>	<u>FACU</u>	15.		
8. <u><del>Polygonum lapathifolium</del></u>	<u>Herb</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>78</u> <u>88%</u>					
Remarks: <u>Circled dominant</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>to 6"</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

AR  
ID: 104 AB551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 3/2			silt loam
2-4	B	10YR 5/2	10YR 6/2	abundant small faded	clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks: soil sample PSS/ with drainage ditch  
to the NW #229

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood Farm</i>	Date: <i>7 Dec 2005</i>
Applicant/Owner: <i>HURON</i>	County: <i>Clinton</i>
Investigator: <i>P. Acutt, S. Ryan</i>	State: <i>NY NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 104 AB 55-2 upland</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*open upland*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Trifolium repens</i> 10	Herb	<del>NT</del>	9.		
2. <i>Leontodon autumnalis</i> 10	Herb	<del>NT</del>	10.		
3. <i>Ranunculus repens</i> 5-10	Herb	<del>NT</del>	11.		
4. <i>Trifolium pratense</i> 15	Herb	NT	12.		
5. <i>Vicia</i> sp. 15	Herb	NT	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *20%*

Remarks: *Mowed hay field*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No evidence of hydrology</i>	

**SOILS**

ID: AR-04 ABSS 2

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2			cut loam
3-8	B	10YR 3/2	10YR 4/0	Few faint mottles	cut loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Roding - compacted - could not get deep soil profile

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks: The boundary is indistinct, the upland is in several hay fields and rises gradually up from the wetland. Some plants appear as upland plants.



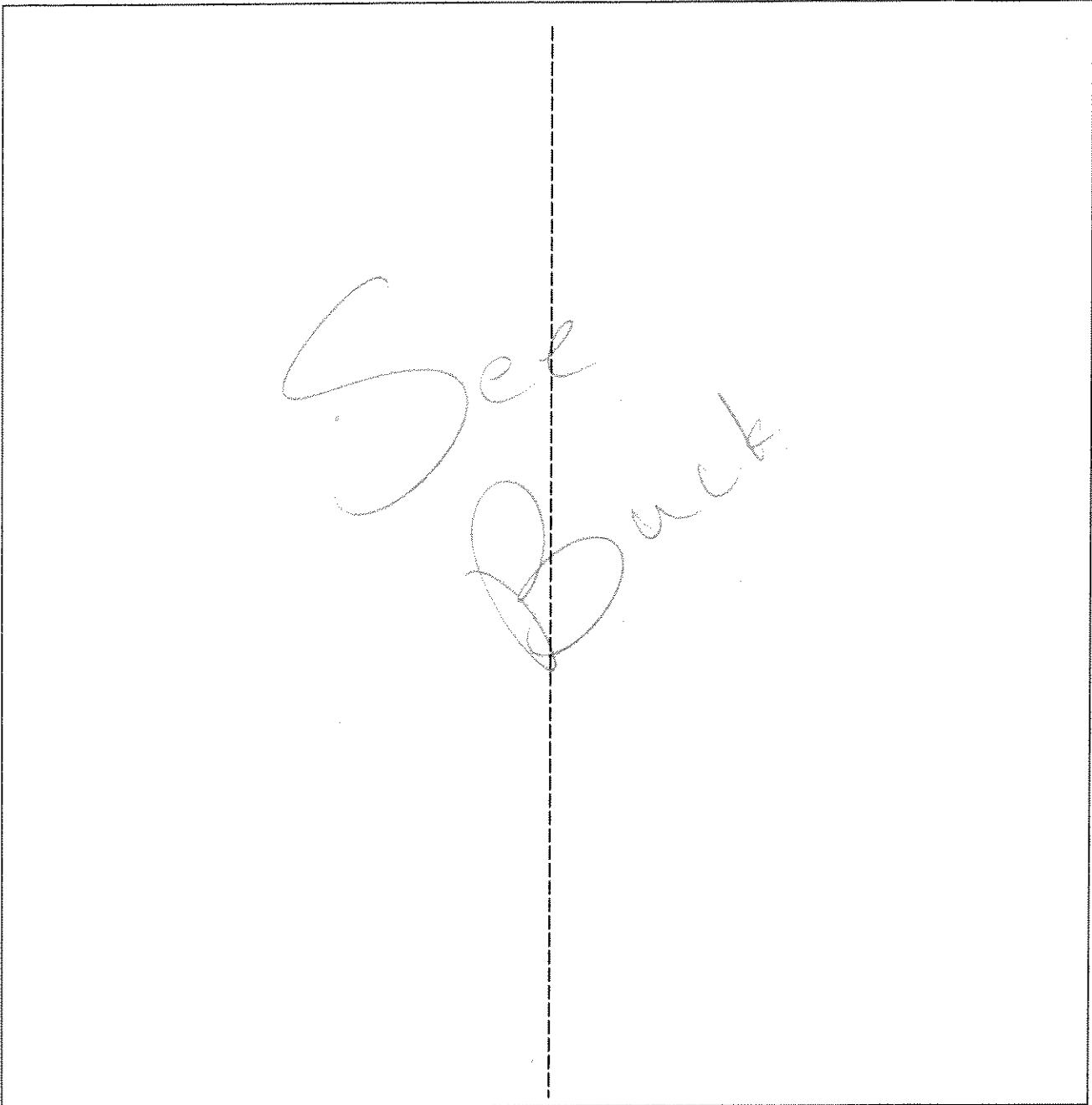
AR 104A/B  
and  
AR 104A/B-ST








Large emergent  
wetland / PDS



SKETCH FORM

Wetland ID/Route #: AR 104 A/B	Date: 10-7-05	Time: 11:30
Initials of Delineators: SE JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



<b>Legend</b>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Wind Farm</i>	Date: <i>7 Oct 2008</i>
Applicant/Owner: <i>Huron</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR106A</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Actinophyes</i>	herb	FACW	9.		
2. <i>Solidago rugosa</i>	herb	FAC	10.		
3. <i>Asplenium</i>	herb	FACW	11.		
4. <i>Asplenium</i>	herb	OBL	12.		
5. <i>Asplenium</i>	herb	OBL	13.		
6. <i>Glyceria canadensis</i>	herb	OBL	14.		
7. <i>Asplenium</i>			15.		
8. <i>Onoclea sensibilis</i>	Herb	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>Consider to be PEM, because very within wetland pool herbaceous, but surrounding upland is forest</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2</i> Depth to Free Standing Water in Pit (in.): <input type="checkbox"/> Depth to Saturated Soil (in.): <input type="checkbox"/>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/2	—	—	silt loam
4-12	B	10YR 3/2	2 10YR 4/6	few med m-fa st	sandy silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Inundated, wetland soil					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks: Drainage that appears to flow S to North Creek			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: Investigator: <u>J. Anthony S. Ryan</u>	Date: <u>7 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR106A SC-2</u>

**VEGETATION**

UPLAND shrub

Plant Community Classification:						
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>60%</u> Herb: <u>20%</u> Vine: <u>20%</u>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>Rubus idaeus</u> 60	<u>Shrub</u>	<u>FAC-</u>	9. <u>Osmunda cinnam.</u>	<u>Herb</u>	<u>FACV</u>	
2. <u>Alnus vir.</u> 20	<u>Vine</u>	<u>FAC</u>	10.			
3. <u>Spiraea alba</u> 30	<u>Shrub</u>	<u>FAC+</u>	11.			
4. <u>Prunella carolin.</u> 5	<u>Shrub</u>		12.			
5. <u>Prunella serotina</u> 10	<u>Tree</u>	<u>FACU</u>	13.			
6. <u>Delphinium</u> 10	<u>Herb</u>	<u>FAC</u>	14.			
7. <u>Ulmus americana</u> 20	<u>Shrub</u>	<u>FACW+</u>	15.			
8. <u>Saxifraga</u> 5	<u>Shrub</u>	<u>FAC</u>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>No indicators of hydrology</u>	

ID: AR 106 A 552

**SOILS**

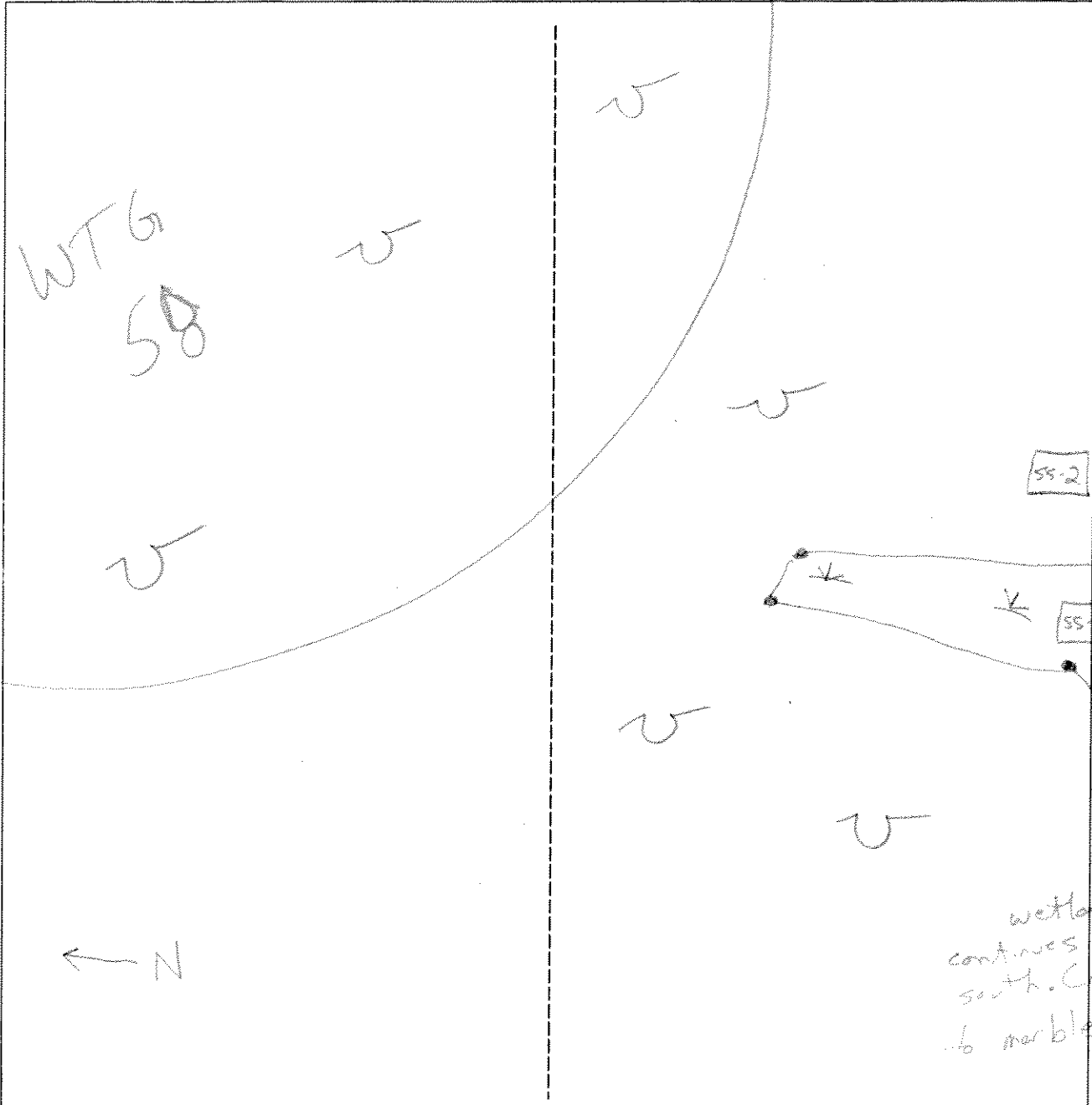
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	—	—	silt loam
3-12+	B	10YR 4/2	—	—	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: AR106A	Date: 10-7-05	Time: 14:30
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames: Photos today N	



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>Hobbes</u> Investigator: <u>J. Arnold, S. Ryan</u>	Date: <u>9 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR112AD-551</u>

**VEGETATION**

*PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <u>100</u> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aster umbellatus</u> 20	H	FACW	9.		
2. <u>Impatiens repens</u> 20	H	FACW	10.		
3. <u>Goldfeng of. sp.</u> 30	H	FACW	11.		
4. <u>Aster verticillatus</u> 5	H	FAC	12.		
5. <u>Polygonum sp.</u> 10	H	OBL	13.		
6. <u>Carex sp</u> 20	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>4</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>saturated or small pools, water flows NW in rocky skid road track</u>	



**SOILS**

ID: AR112AB 55-1

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	-	-	silt loam
12+	B	10YR 4/2	10YR 5/6	few faint small	sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
			Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks				
Reference upland plot for WTB 74A (adjacent)				

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR112 A/B	<b>Date:</b> 10-9-05	<b>Time:</b> 1:30 pm
<b>Intials of Delineators:</b> SR JA	<b>Location:</b> Chatham County Wind Farm	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>13 Oct 2005</i>
Applicant/Owner: <i>HORRAN</i>	County: <i>Clinton</i>
Investigator: <i>J. Aruth, J. Farrell, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR120 A/B SS-1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PSS.*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>40</i> Herb: <i>40</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Salix 40</i>	<i>S</i>	<i>FAC+</i>	<i>9.</i>		
<i>2. Spiraea lat. fl. +</i>	<i>S</i>	<i>FAC+</i>	<i>10.</i>		
<i>3. Spiraea tomentosa +</i>	<i>S</i>	<i>FACW</i>	<i>11.</i>		
<i>4. Thalictrum + 40</i>	<i>H</i>	<i>FACW+</i>	<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>Trees overhang the wetland but rooted in adjacent uplands - not included here.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>to 12"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 4/3			sandy loam
3-8	B/C	10YR 5/2	10YR 5/8	many/large/dotted	coarse sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Poorly developed soils over granite bedrock  
  
 \* Auger refusal @ 8" (bedrock)

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks  
 Wetland developed in skidder road.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. West Farm</i>	Date: <i>13 Oct 2005</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnold, J. Farrell, J. Farrell</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR120 A1A S6-2</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*UPLAND FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>10</i> Herb: Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum 50</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Fagus grandifolia 20</i>	<i>T</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Populus grandidentata 15</i>	<i>T</i>	<i>FACW-</i>	<i>11.</i>		
<i>4. Rhus typhina 5</i>	<i>T</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Acer rubrum 5</i>	<i>S</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Vaccinium 5</i>	<i>S</i>	<i>unknown</i>	<i>14.</i>		
<i>7. Pteridium aquilinum 20</i>	<i>H</i>	<i>FACW</i>	<i>15.</i>		
<i>8. Aster acuminatus 12</i>	<i>H</i>	<i>OBL*</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33</i>					
Remarks:  <i>* NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>7"</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface, in period of heavy rain - prob</i>	

ID: AR120A/B SS. 2

**SOILS**

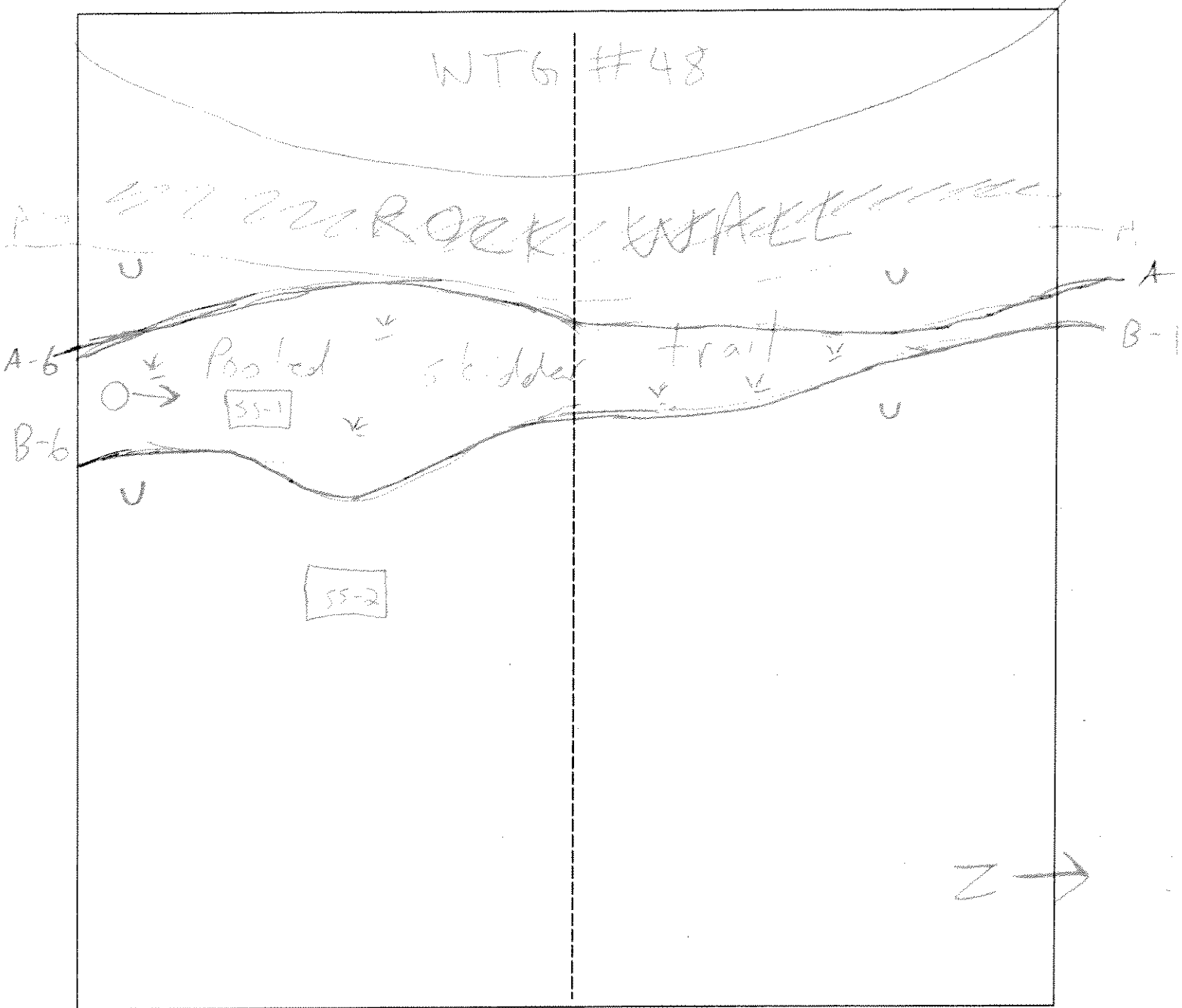
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A0	10YR 2/1	—	—	sandy lean
3-5	B	10YR 4/2	—	—	sandy loam
5-8	C?	10R 2.5/1	—	—	loose sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: jumbled horizons, rocky					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Disturbed historically from skid road construction			

SKETCH FORM

Wetland ID/Route #: AR120A/B	Date: 11-13-05	Time: 1:10pm
Initials of Delineators: SK SA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wood Farm</i>	Date: <i>13 Oct 2009</i>
Applicant/Owner: <i>Husman</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnold, J. Farrell, J. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 12-3 A/B SS-1</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*DEW*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>10</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula papyrifera 5</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Sarracenia latifolia 5</i>	<i>S</i>	<i>FAC+</i>	<i>10.</i>		
<i>3. Juncus effusus 35</i>	<i>H</i>	<i>FACW+</i>	<i>11.</i>		
<i>4. Scirpus cyperinus 15</i>	<i>H</i>	<i>FACW+</i>	<i>12.</i>		
<i>5. Elymus 40</i>	<i>H</i>	<i>OBL</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p>___ Saturated in upper 12 inches</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil Survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>to 12"</i></p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	
Remarks:	



ID: AR 123 AB SS 1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>0</sub>	10YR 2/1	---		organic matter
6-10	B	10YR 4/1	---	fine mottling of surface at rock	fine sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Solid rock below 10'					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks: For upland plot see AR 122 A SS-2			

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR 123 A/B	<b>Date:</b> 13 Oct 2005	<b>Time:</b> 2:15
<b>Initials of Delineators:</b> JA, JF, SR	<b>Location:</b> Clinton Co. Wind Farm	
<b>Roll #:</b>	<b>Frames:</b>	

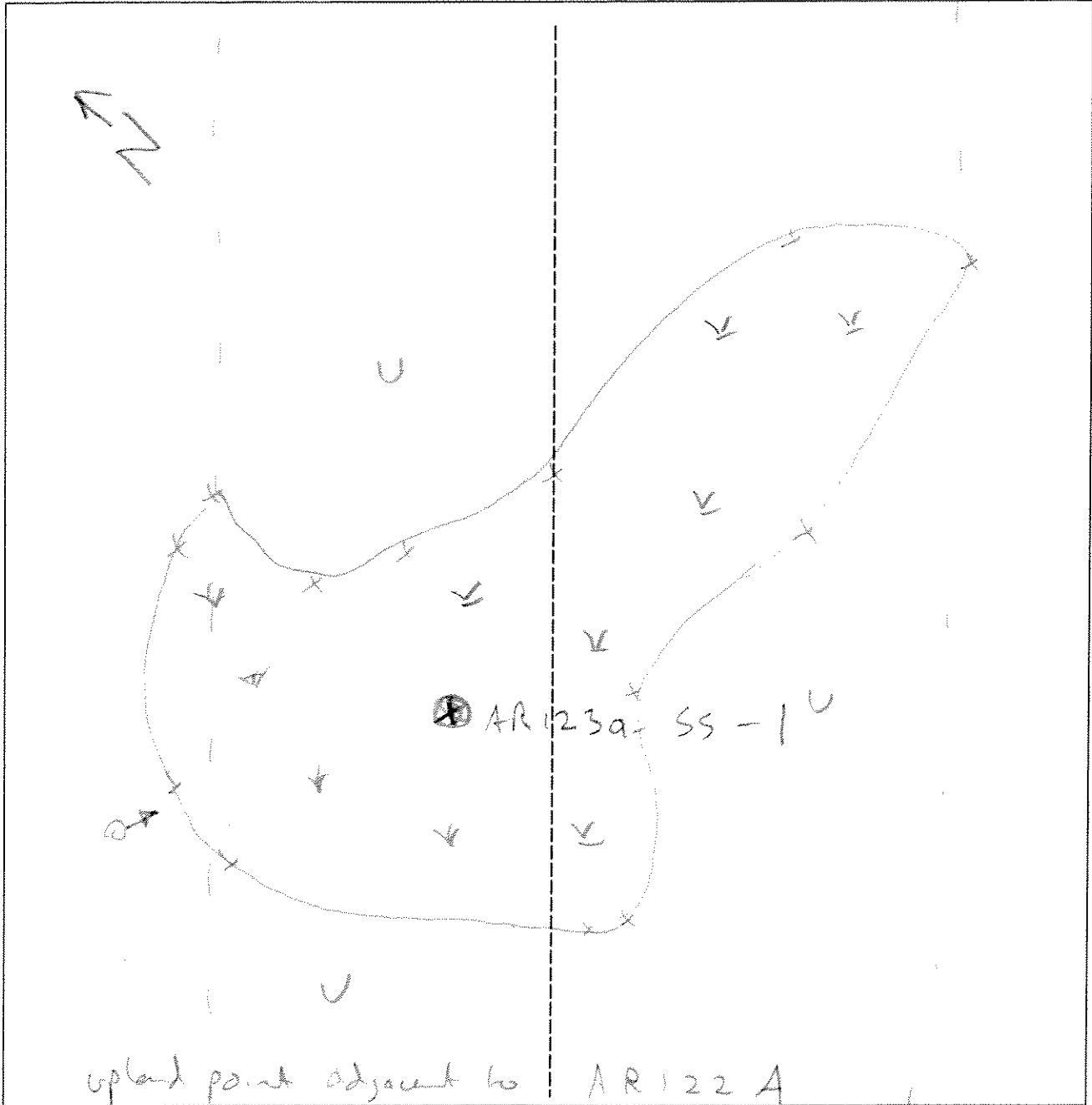


	Photo Location/Direction	<b>Legend</b>		Wetland
	Sample Station			Upland
	Centerline			Stream
	Flag			Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Washington</i>	Date: <i>10/24/05</i>
Applicant/Owner: <i>HOLZMAN</i>	County: <i>Clinton</i>
Investigator: <i>RODS, KIT</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>WETLAND</i> Transect ID: <i>AK 218 A/B</i> Plot ID: <i>551</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PEN*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *0* Shrub: *5/10* Herb: *100/10* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	9. <i>White Birch</i>	<i>H</i>	<i>FAC</i>
2. <i>Red Spruce</i>	<i>H</i>	<i>OBL</i>	10. <i>Solidago</i>	<i>H</i>	<i>-</i>
3. <i>Birch</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Black Spruce</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Flat Top</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Stellaria</i>	<i>S</i>	<i>FACW</i>	14.		
7. <i>Stellaria</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>R.S. Goldenrod</i>	<i>H</i>	<i>FAC</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

WCT

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1	—	—	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL of A ga at 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County windfarm</i> Applicant/Owner: <i>Huerfano</i> Investigator: <i>RMS KH</i>	Date: <i>10/24/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPIAN</i> Transect ID: <i>BE218A10</i> Plot ID: <i>552</i>

**VEGETATION**

*Access Rd. Cedar Mid-Successional*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>40%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	9.		
2. <i>GLN moss</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>R. Goldenrod</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>TRAILING TERN</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>DRACOPIS</i>	<i>S</i>	<i>FACU</i>	13.		
6. <i>STEEPLE TURT</i>	<i>S</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>66%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>MA</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>N/A</i>	Remarks:

UP

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR2.5/2	—	—	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: *Disturbed Area*

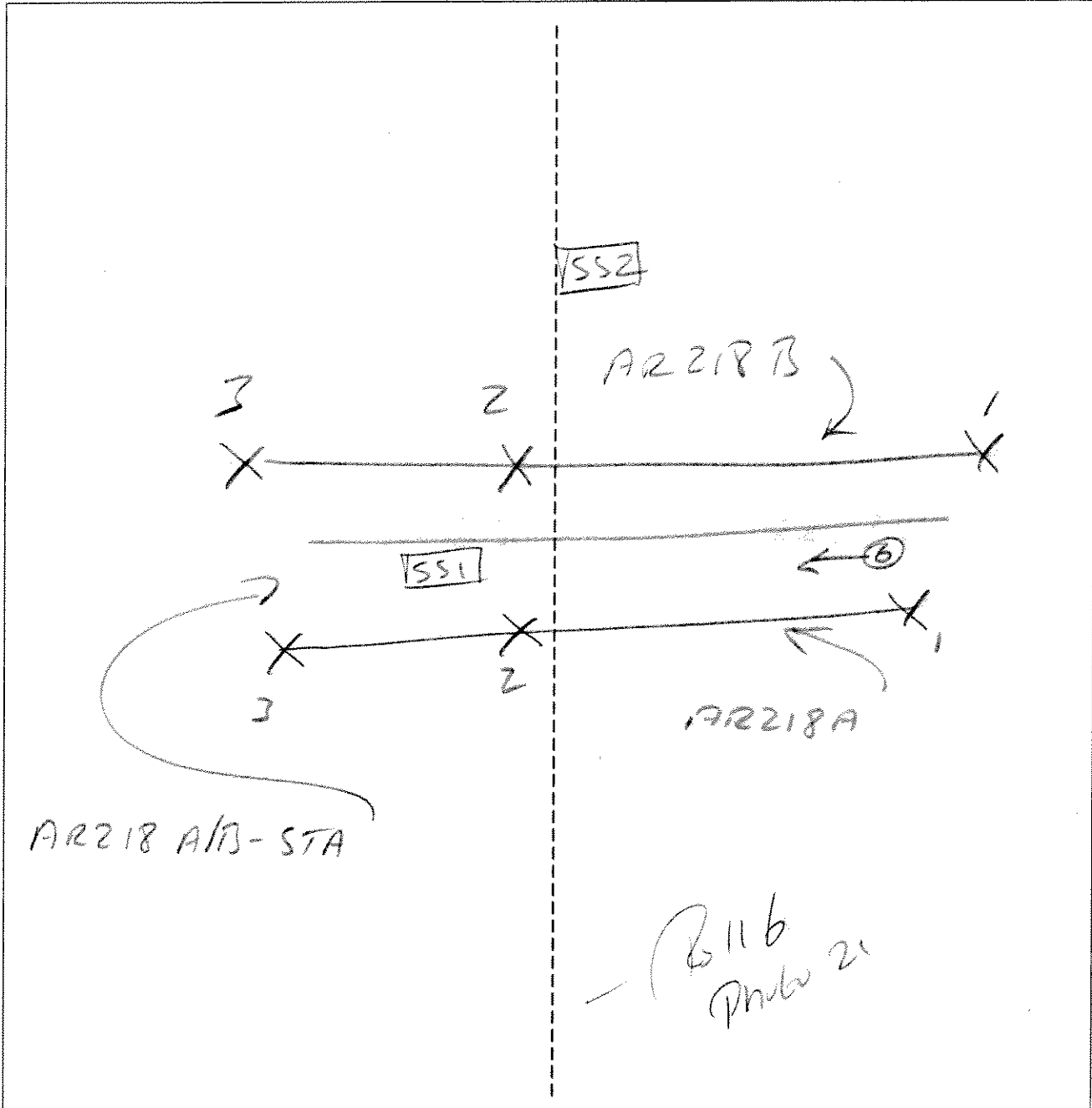
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: <i>AR218 A/B</i>	Date: <i>10/24/05</i>	Time: <i>1150</i>
Initials of Delineators: <i>DKH KIT</i>	Location: <i>Hudson Rd. Macmillan Landing</i>	
Roll #:	Frames:	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

ARI-551  
WETLAND

Project Site: ELLENBURG / Clinton County	Date: 9/19/05
Applicant/Owner: HORIZON RENEWABLE ENERGY	County: Clinton
Investigator: P. DELAHUNTY	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: ARI Plot ID: 551
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: PEM1PSS  
 Percent Canopy Cover: Tree: 0 Shrub: 20% Herb: 100% Vine: 5%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silky willow	3	OBL	9. Large leaved (wild) rose	H	FAC
2. Black willow	3	FACW	10. NIGHTSHADE	V	FAC-
3. Highbush CRANBERRY	3	FACW	11.		
4. RUSH ASTER	H	OBL	12.		
5. SHALLOW SEDGE	H	OBL	13.		
6. ARROW-LEAF TOOTHMINT	H	OBL	14.		
7. JEWELWEED	H	FACW	15.		
8. SENSITIVE TERN	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 91%

Remarks: WETLAND VEG PRESENT  
 NOTE! MEADOWSWEET ALONG WETLAND FRINGES.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6" in places.</u> Depth to Free Standing Water in Pit (in.): <u>0-2"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: WETLAND Hydrology PRESENT	



Date: 9/19/05  
 Community ID: WETLAND  
 Plot ID: ARI-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	SANDY SILT

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Refusal of Auger AT 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

ARI A/B

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

ARI-SSZ  
UPLAND.

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: RD, KH	Date: 9/19/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: upland field Transect ID: SSZ ARI Plot ID: 552

**VEGETATION**

Plant Community Classification: AG FIELD.					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: 100% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dandelion	H	FACU-	9.		
2. Wild madder	H	UDL*	10.		
3. Timothy	H	FACU	11.		
4. muscids sp.	H	UDL*	12.		
5. GRASS SSP.	H	UNKNOWN	13.		
6. (JEROME) grass	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: UPLAND VEG *-NOT LISTED					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): -	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR 3/2	—	—	SILT CLAY
3-6	A <sub>2</sub>	10YR 2/2	—	—	SILT CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: REFUSAL OF ANGLE AT 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				



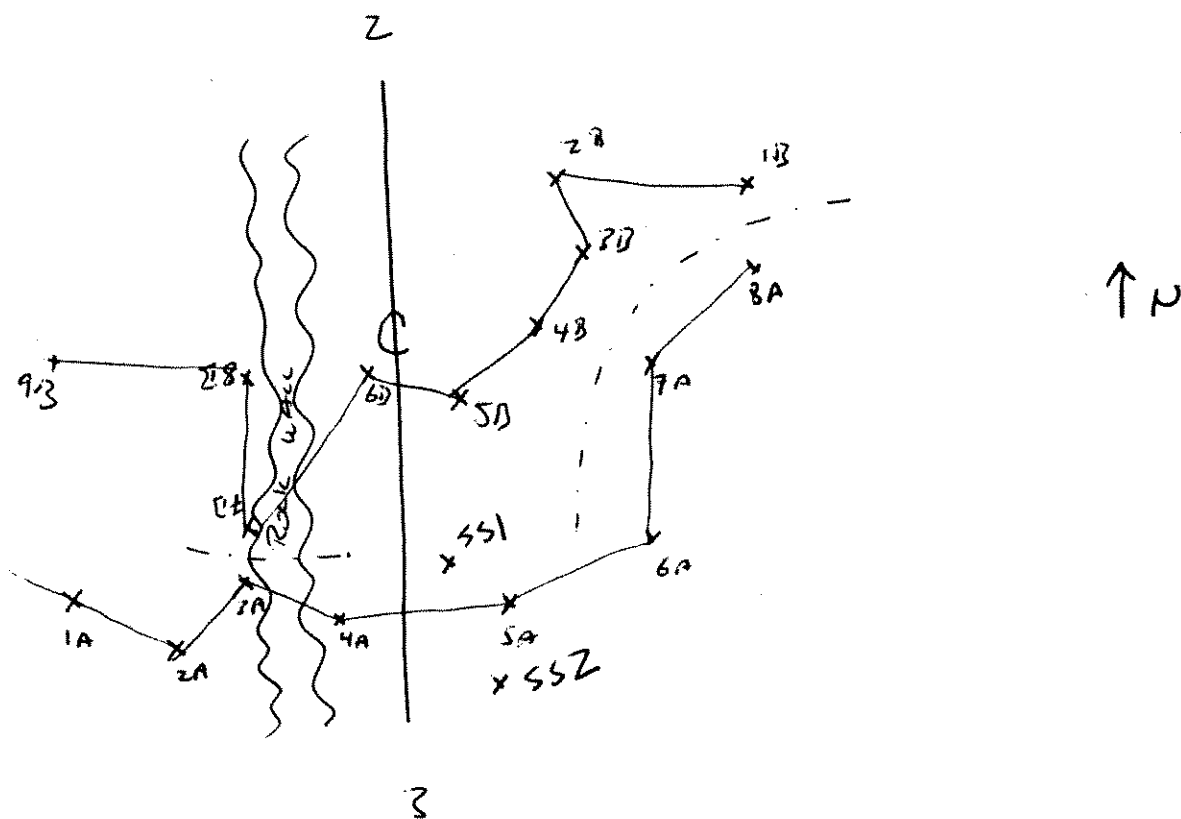
TETRA TECH

SUBJECT Zilka  
Clinton  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 9/19 PAGE 2 OF 5 PAGES

WETLAND betw TURBINES 3 & 2 (ACCESS ROAD)

WETLAND ARI - A Line & B Line



PSS / PEM

- SHRUBS: - <sup>Silky</sup> ~~White~~ willow  
 - BEAK willow  
 - High bush cranberry (*Viburnum trif. trilobum*)

- HERBS - ~~Antennaria~~ <sup>MADE</sup> (Rush Aster)  
 - CAREX LUPINA  
 - AIRLOW LEAF TEALMUM  
 - Jewelweed  
 - ~~Sensitive fern~~ <sup>netted chain fern</sup> Sensitive Fern  
 - ~~Golden rod~~ (Lance-leaved)

AR3A upland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <u>ISA, RD</u>	Date: <u>9/28/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Early Successional</u> Transect ID: <u>AR3A-upland</u> Plot ID: <u>AR3A-SSI</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>35</u> Herb: <u>100</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Green Birch</u>	<u>S</u>	<u>FAC</u>	9. <u>MOSS</u>	<u>H</u>	<u>unknown</u>
2. <u>Red-stemmed Green</u>	<u>H</u>	<u>FAC</u>	10. <u>American Mt. Ash</u>	<u>T</u>	<u>UPL*</u>
3. <u>Fragaria sp.</u>	<u>H</u>	<u>unknown</u>	11.		
4. <u>Wild radish</u>	<u>H</u>	<u>UPL*</u>	12.		
5. <u>Meadow Sweet</u>	<u>S</u>	<u>FAC+</u>	13.		
6. <u>Narrow-leaf Goldenrod</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Wood Sorrel</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Wild Shalwberry</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>picture # 20 looking north towards wetland AR3A</u>					
* - not listed					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>—</u>  Depth to Saturated Soil (in.): <u>&gt; 6 inches</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-5/3			Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Roots at 6 inches</i>					

<b>WETLAND DETERMINATION</b>			
Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	
		Is this Sample Station Point Within a Wetland?	Yes No (Circle)
Remarks			

AR-3A  
wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH RD	Date: 9/30/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: PEM WETLAND Transect ID: AR-3A Plot ID: 552

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover: Tree: 0 Shrub: 10 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Meadow Sweet	S	FAC+	9. Rush Aster	H	OBL
2. Steep Bush	S	FACW	10. CAREX CINCTATA	H	OBL
3. Four meadow grass	H	FACW	11. CAREX LASIOCARPA	H	OBL
4. Green rock aster	H	FACW+	12. CAREX WIPICOIDES	H	OBL
5. Soft Bush	H	FACW+	13. NYCTAGINIS THYMIFLORA	H	OBL
6. Jewel weed	H	FACW	14. T. sp.	H	FACW+
7. Sensitive fern	H	FACW	15. R. sp.	H	OBL
8. Willow herb - narrow leaved	H	OBL	16. RAMESAKE GRASS	H	OBL
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: WETLAND VEGETATION PRESENT - DIVERSE - 17. Spike Rush H OBL 18. Iris sp. H -					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/1	-	-	Sandy silt
3-6	B	2.5Y 4/1	-	-	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  REFUSAL OF AIR AT 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle) Yes No
Remarks			



AR-3B  
wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator:	Date: 9/20/05 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <i>post/pan wetland!</i> Transect ID: AR-3B- Plot ID: SSI							

**VEGETATION**

Plant Community Classification: *post/pan*  
 Percent Canopy Cover: Tree:  $\emptyset$  Shrub:  $60\%$  Herb:  $100\%$  Vine:  $\emptyset$

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alder ( <i>spiculus</i> )	S	FACW+	9. Iris sp	H	not listed
2. Meadow Sweet	S	FAC+	10. Horse tail	H	not listed
3. Suckle Bush	S	FACW	11. SPHAGNUM	H	not listed
4. Sensitive fern	H	FACW	12. Fowl meadow grass	H	FACW
5. Jewel weed	H	FACW	13. Northern Bulrush	H	OBL
6. NY Aster	H	FACW+	14. Flat-topped Aster	H	FACW
7. <i>Juncus Effusus</i>	H	FACW+	15.		
8. <i>Carex crinita</i>	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $100\%$

Remarks: *WETLAND VEGETATION PRESENT*  
*- D. VOISE -*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input checked="" type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated in upper 12 inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <math>\emptyset</math></p> <p>Depth to Free Standing Water in Pit (in.): <math>\emptyset</math></p> <p>Depth to Saturated Soil (in.): <math>\emptyset</math></p>	
<p>Remarks:</p>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/1			sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No				
Wetlands Hydrology Present?	Yes No				(Circle)
Hydric Soils Present?	Yes No			Is this Sample Station Point Within a Wetland?	(Circle)
<div style="display: flex; justify-content: space-between;"> <span>Yes</span> <span>No</span> <span>Yes</span> <span>No</span> <span>Yes</span> <span>No</span> </div>					
Remarks					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR-3B  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <u>KH, RD</u>	Date: <u>9/20/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>upland forest</u> Transect ID: <u>AR-3B-UP</u> Plot ID: <u>AR-3B-SS2</u>

**VEGETATION**

Plant Community Classification: <u>upland forest</u> Percent Canopy Cover: Tree: <u>100%</u> Shrub: <u>25%</u> Herb: <u>&lt;5%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Norway Spruce</u>	<u>T</u>	<u>VPL*</u>	9. <u>...</u>		
2. <u>White Pine</u>	<u>T</u>	<u>FACW</u>	10. <u>...</u>		
3. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	11. <u>...</u>		
4. <u>Northern White Cedar</u>	<u>T/S</u>	<u>FACW</u>	12. <u>...</u>		
5. <u>Low Bush Blueberry</u>	<u>S</u>	<u>FACU-</u>	13. <u>...</u>		
6. <u>Club Moss</u>	<u>H</u>	<u>FAC</u>	14. <u>...</u>		
7. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>	15. <u>...</u>		
8. <u>Bunchberry</u>	<u>H</u>	<u>FAC-</u>	16. <u>...</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>picture # 19 looking North towards wetland AR3B * - not listed</u>  <u>NOTE: Gray Birch, Yellow Birch (20) maple occurred in</u> <u>TREE STRATA as sub dominant</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>—</u> Depth to Saturated Soil (in.): <u>7 1/2"</u>	
Remarks:	

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	2.5YR-4/4	—	—	Silty loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

*Revised at 12 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes (Circle) No (Circle)

Remarks

WT615-12-SS2 (upland)

follows job.  
 WSPs remaining up

- VEG - Golden Rod  
 - M14 MS12K  
 - Timothey  
 - W. Creeper  
 - ...

Roll 1 photo 6 => WEST SS1 (upland)  
 photo 7 => EAST SS2 (upland)

AR3A & B

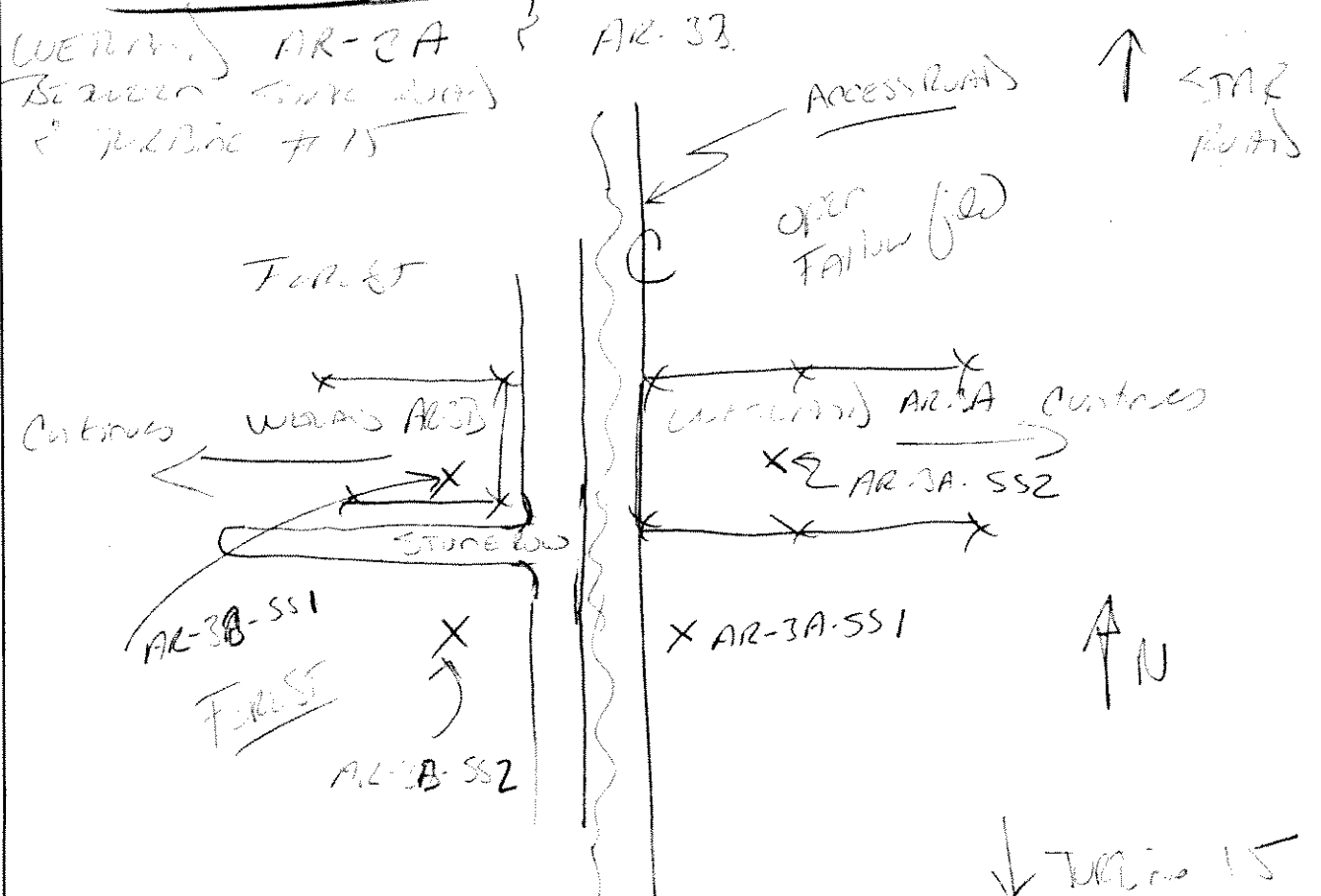


Photo 8 => N at 3A wetting  
 Photo 9 => N at 3B wetting

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County ILLenburg	Date: 9/25/05
Applicant/Owner: Horizon Renewable Energy	County: Clinton
Investigator: R. Deland	State: New York
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: TEM WETLANDS Transect ID: AR4 Plot ID: 551
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*Active Cow Pasture*

Plant Community Classification: TEM					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: $\emptyset$ Herb: 80% Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NY ASTER	H	FACW+	9.		
2. Polygamon hydropiper	H	OBL	10.		
3. CAREX SPURCIA	H	FACW	11.		
4. BARNYARD GRASS	H	FACW	12.		
5. DARK GRASS BULLRUSH	H	OBL	13.		
6. GRASS SP.	H	Unknown	14.		
7. Juncus Effusus	H	FACW+	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 83%

Remarks:

*Remaining SURFACE AREA (25%) DEAD VEGETATION UNDER SOIL*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): > 18"  Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 9/25/05  
 Community ID: WETLANDS A14  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR 3/2	2.5Y 6/8	Few / Coarse / Primary	CLAY SILT loam *
7-18	B	2.5Y 4/3	7.5Y 2 5/8	Few / Fine / Discrete	CLAY SILT loam * *

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:  
 \* - OXIDIZED Root CHANNELS in 0-7 horizon  
 \*\* - WIGGAM  
 NOTE: Soils & Swamps

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Clinton County (Ellen Brook) Applicant/Owner: Horizon Renewable Energy Investigator: P. D. B. H. L. O. M.	Date: 9/25/05 County: Clinton State: New York
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLA11 Transect ID: AR4 Plot ID: 552

**VEGETATION** UPLA11 PRAIRIE

Plant Community Classification:  
Percent Canopy Cover: Tree:  Shrub:  Herb: 100% Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Creeping Buttercup	H	FAC	9. Yellow-eyed Grass	H	FACU
2. Fall Dandelion	H	UPL*	10. Yellow	H	FACU
3. Common Bluegrass	H	FACU	11. Rough Stemmed Galium	H	FAC
4. PAPA RUSH	H	FAC-	12. Tall Golden Rod	H	FACU-
5. White Clover	H	FACU-	13. Wild Madder	H	UPL*
6. Red Clover	H	FACU-	14.		
7. Cow Vetch	H	UPL*	15.		
8. Timothy	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 15%

Remarks:  
\* - NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	



Date: 9/25/05  
 Community ID: JRM1  
 Plot ID: AR4-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	7.5YR 2.5/2	7.5YR 4/6	Few/Fine/Faint	SILT loAN

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

REFUSAL OF Aq<sub>1</sub> AT 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

**Remarks**



TETRA TECH

SUBJECT Zilcha

Clonm

PROJECT \_\_\_\_\_

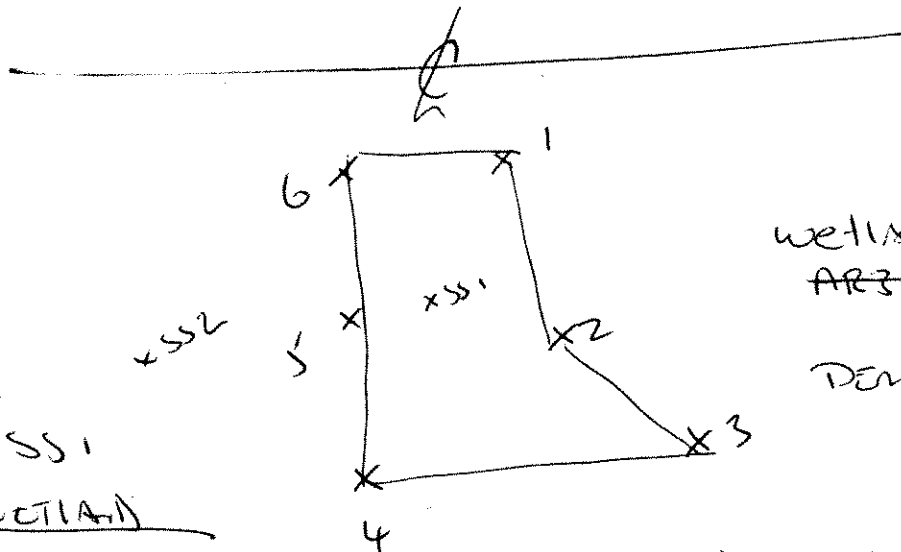
TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/25/05 PAGE 1 OF 6 PAGES

AR4A

→ N



wetland  
AR3 AR4

DEM

AR4A  
AR3A-SS1

DEM WETLAND

VEG.

Polygonum sp.

Culex sp.

NY ASTER

ISRAEL YARD GRASS

Dark green Bull Rush

grass sp.

Soft Rush

AR4A-SS2

~~AR3A-SS2~~

Upland - open cow pasture

NOTE: AS in cow  
pasture - check out  
veg

photo

Roll 2 photo 21

⇒ Nat upland

wetland

- Condition (Fall)
- Asteraceae sp.
- Common plankton
- Pain Rush
- white clover
- cow VETL
- Timothy
- grass sp.

- yellow
- Red clover
- Butter cup ~~sp~~ CORCOPING
- wild mustard
- Golden Rod ~~sp~~ - Rough stemmed
- TALL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR-5A  
wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <u>KA RD</u>	Date: <u>7/25/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>ARS</u> Plot ID: <u>SSI</u>

People-Care

**VEGETATION**

Plant Community Classification: PEM  
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>BIRCH LEAVED T. Tree</u>	<u>H</u>	<u>OBL</u>	9. <u>LARGE LEAVED YEW</u>	<u>H</u>	<u>FAC</u>
2. <u>Willow herb</u>	<u>H</u>	<u>OBL</u>	10. <u>grass sp.</u>	<u>H</u>	
3. <u>Carex sp. Intumescens</u>	<u>H</u>	<u>FACW+</u>	11. <u>meadow Sweet *</u>	<u>S</u>	<u>FAC+</u>
4. <u>Carex White</u>	<u>H</u>	<u>OBL</u>	12. <u>Steeple hat *</u>	<u>S</u>	<u>FACW</u>
5. <u>Carex Curvata</u>	<u>H</u>	<u>OBL</u>	13. <u>Field meadow grass</u>	<u>H</u>	<u>FACW</u>
6. <u>Tree sp. Bulrush</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>J. sp.</u>	<u>H</u>	<u>FAC+</u>	15.		
8. <u>nutr weed</u>	<u>H</u>	<u>OBL</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: \* Along periphery of wetland along Stone Row.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>—</u> Depth to Saturated Soil (in.): <u>10</u>	Remarks: <u>Roll 2 photo 20 =&gt; north east</u>

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-3/2	7.5YR-4/6	Common fine / distinct	Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>revised at benches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle) No	(Circle) Is this Sample Station Point Within a Wetland?	(Yes) No
Wetlands Hydrology Present?	(Yes) No	(Circle) No		
Hydric Soils Present?	(Yes) No	(Circle) No		
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

*AASA  
upland*

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH, RD</i>	Date: <i>9/25/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>A25</i> Plot ID: <i>552</i>

**VEGETATION**

Plant Community Classification: *PATION FIELDS*  
Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Solidago (LATE)</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>Solidago (LATE-LEAF)</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>tough stem goldenrod</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>wild Madia</i>	<i>H</i>	<i>UPL*</i>	12.		
5. <i>Timothy</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>grass ssp.</i>	<i>H</i>	<i>unknown</i>	14.		
7. <i>low vetch</i>	<i>H</i>	<i>UPL*</i>	15.		
8. <i>virginia creeper</i>	<i>V</i>	<i>FAC</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *43%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>&gt; 18"</i>	
Remarks:	

AR-5A  
upland

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR-4/3			silt loam
12-18	A <sub>1</sub>	7.5YR-5/6	7.5YR 5/4	Common/coarse/distinct	clay silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

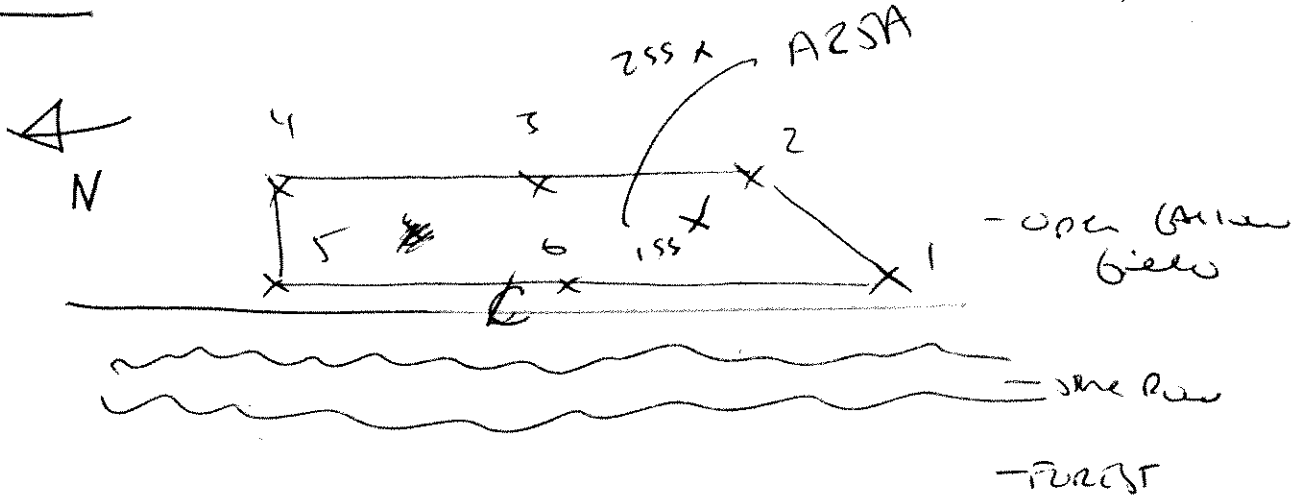
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)			(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No				
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sample Station Point Within a Wetland?	Yes	<input checked="" type="radio"/> No

Remarks



ARSA-SSI - WENAM - PEN



SSI - WENAM

VEG:

- Arrow leaved TEALTAH
- willow herb (purple leaved)
- C. PIREX sp. (umbrella)
- Dark green bell
- J. EGGS
- Carex cincta
- blueweed
- lance leaved golden rod
- grass sp.
- Carex lucida

- meadow sweet
- STEEPLE bush

SS2 - upland

- wild madder
- R-stemmed goldenrod
- Timothy
- Solingo sp 1 (lance-leaved)
- Solingo sp 2 (late)
- grass sp
- Cow vetch
- VA creeper

Bill phub to  
→ NEST

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

AR-A8  
 wetland SSI

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH RD	Date: 9/2/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO/PSS Transect ID: AR8 Plot ID: SSI

**VEGETATION**

PFO/PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: 50 Shrub: 50 Herb: 100 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CRACK willow	T	FACT	9. Carex sp.	H	unknown
2. Meadow Sweet	S	FACT	10. Sensitive Fern	H	FACW
3. Jewel weed	H	FACW	11. Bugle weed	H	OBL
4. Horse Tail	H	unknown	12. Dark Green Bulrush	H	OBL
5. Bunchgrass	H	FACW	13.		
6. Golden Rod Sp.	H	unknown	14.		
7. Reeds willow	S	FACW	15.		
8. Meadow Sweet	H	FACT	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: picture roll # 17 looking North small roadside ditch					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 0	
Remarks:	



**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0 - 7	A	10YR-3/2			Cl. silt
7 - 14	A <sub>1</sub>	10YR-6/2	10YR-5/6	Common/course/diagonal	Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 14 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AD-8A  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH, RD</i>	Date: <i>9/26/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Ag Field upland</i> Transect ID: <i>ARR</i> Plot ID: <i>552</i>

**VEGETATION**

*(HAY)*

Plant Community Classification: <i>Ag Field</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red clover</i>	<i>H</i>	<i>FACU-</i>	9.		
2. <i>Fall Dandelion</i>	<i>J</i>	<i>UDL*</i>	10.		
3. <i>white clover</i>	<i>J</i>	<i>FACU-</i>	11.		
4. <i>Grass sp.</i>	<i>✓</i>	<i>-</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks: <div style="font-size: 1.5em; margin-left: 20px;"><i>* not code is</i></div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR-4/2			Silt loam
9-18	A <sub>1</sub>	10YR-4/3			Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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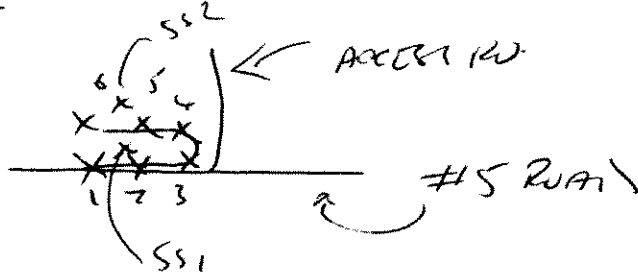
Remarks: *Disturbed soil - Ag. Field*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>

Remarks

1530  
Small within - Nitch h, intersection of Row # 5  
& Access Row.



WETLANDS  
PFO/PSS

WETLAND ALB

Wetland extends to East & wraps around by field  
to south

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton County - Ellenburg</u>	Date: <u>9/30/05</u>
Applicant/Owner: <u>HORRAN</u>	County: <u>CLINTON</u>
Investigator: <u>DeMatteo</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>AR 11</u> Plot ID: <u>55-1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** PERM WETLAND (WET MEADOW)

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <u>10%</u>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>CAREX SP</u>	<u>H</u>	<u>unknown</u>	9.		
2. <u>J. ELEGANS</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>DK GR BULLRUSH</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>COMMON PANTAIN</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Buttercup (cheeping)</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Large-leaved cyrtocarpus</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>FLAT TOPPED ASTER</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>88%</u>					
Remarks: <u>WETLAND VEG PRESENT</u>					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>0</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>&gt;18"</u></p> <p>Depth to Saturated Soil (in.): <u>0"</u></p>	
Remarks: <u>WETLAND Hydrology PRESENT</u>	

Date: 9/30/05  
 Community ID: WECLM1  
 Plot ID: AR11-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 3/1	-	-	Silty CLAY, loam *
9-18	B	10YR 5/2	10YR 5/6	many/med/??m	Silty SAND w/CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:  
 \* OXIDIZED RHIZOSPHERES in A Horizon  
 Hydric Soil Present

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County - Ellen Brook	Date: 9/30/05
Applicant/Owner: HURON	County: Clinton
Investigator: DELANEY	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: UPLAND Transect ID: AR 11 Plot ID: 552
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse.) <input type="radio"/> Yes <input checked="" type="radio"/> No	

**VEGETATION**

FOREST / OPEN TRANSITION AREA

Plant Community Classification:					
Percent Canopy Cover: Tree: 20% Shrub: 40% Herb: 100% Vine: X					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MEADOW SUEDE	S	FACW	9. FALL Dandelion	H	UDL*
2. STERILE BUSH	S	FACW	10. CREEPING BUTTERCUP	H	FAC
3. GRASS BIRCH	S	FAC	11. LARKSPUR	H	FACU
4. SUGAR MAPLE	T/S/H	FACU-	12. Common Plantain	H	FACU
5. BULL THISTLE	H	FACU-	13. APPLE	T	UDL*
6. B.S. Goldenrod	H	FAC	14.		
7. LATE Goldenrod	H	FACU	15.		
8. Timothy	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 38%					
Remarks: UPLAND VEG Dominant					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): N/A</p> <p>Depth to Free Standing Water in Pit (in.): N/A</p> <p>Depth to Saturated Soil (in.): N/A</p>	
<p>Remarks: WET Hydro Absent</p>	

Date: 9/30/05  
 Community ID: UPLANDS  
 Plot ID: AR11-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6"	A	10YR 5/2	—	—	CLAY LAM

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

REFUSAL OF Aerge AT 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County - ELLENBURG	Date: 9/30/05
Applicant/Owner: HORTON	County: Clinton
Investigator: DELAMATER	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	Transect ID: AR 11
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No	Plot ID: 553
(If needed, explain on reverse.)	

**VEGETATION**

PERM WETLAND

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 50% Shrub: 29% Herb: 100% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NEW YORK ASTER	H	FACW	9. Willow herb	H	OBL
2. SOFT RUSH	H	FACW	10. Carex CANADA	H	OBL
3. STEEPLE BUSH	S	FACW	11. Field meadow grass	H	FACW
4. DK GRN BILBERT	H	OBL	12. Lemna	H	OBL
5. MEADOW SWEET	S	FAC	13. POND WRET	H	OBL
6. LANC-LEAFED GULLARD	H	FAC	14. AMER ELM	T	FACW
7. JEWEL WEEED	H	FACW	15. SILVER WILLOW	S	OBL
8. ARROW LEAFED TEARDROP	H	OBL	16. TRAIL WILLOW	S	FACW

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: WETLANDS VEG PRESENT  
DIVERSE VEG

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): 6" in places</p> <p>Depth to Free Standing Water in Pit (in.): 0"</p> <p>Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks: WETLANDS Hydrology Present</p>	

Date: 9/30/05  
 Community ID: WERANJ  
 Plot ID: AR11-SS3

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR2.3/2	-	-	Sandy silt loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton County - Ellenburg</i>	Date: <i>9/30/05</i>
Applicant/Owner: <i>HORROR</i>	County: <i>Clinton</i>
Investigator: <i>DELAUNTY</i>	State: <i>NEW YORK</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPLAND</i> Transect ID: <i>AR11</i> Plot ID: <i>554</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *UPLAND COW PASTURE & TREE LINE*

Plant Community Classification: <i>UPLAND</i>					
Percent Canopy Cover: Tree: <i>60%</i> Shrub: <i>50%</i> Herb: <i>80%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED SPRUCE	T	FACU	9. CREEPING BUTTERCUP	H	FAC
2. STAGHORN SUMAC	S	UPL*	10. MEADOW SWIFT	S	FAC+
3. SUGAR MAPLE	T/SH	FACU-	11. BIRK CHERRY	T	FACU
4. HAWTHORN	S	UPL*	12.		
5. NORWAY SPRUCE	T	UPL*	13.		
6. SERVICE BERRY	S	UPL*	14.		
7. H.T.S. BIRDBERRY	S	FACU-	15.		
8. GRASS SP	H	-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>18%</i>					
Remarks: <i>* NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 9/20/05  
 Community ID: UPLAND  
 Plot ID: AR11-554

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4"	A	7.5YR 3/2	—	—	SANDY, SILT CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 REFUSAL OF ANGEL AT 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



TETRA TECH

SUBJECT Zikla Cistern

Water Deliv

PROJECT Ellens Dam

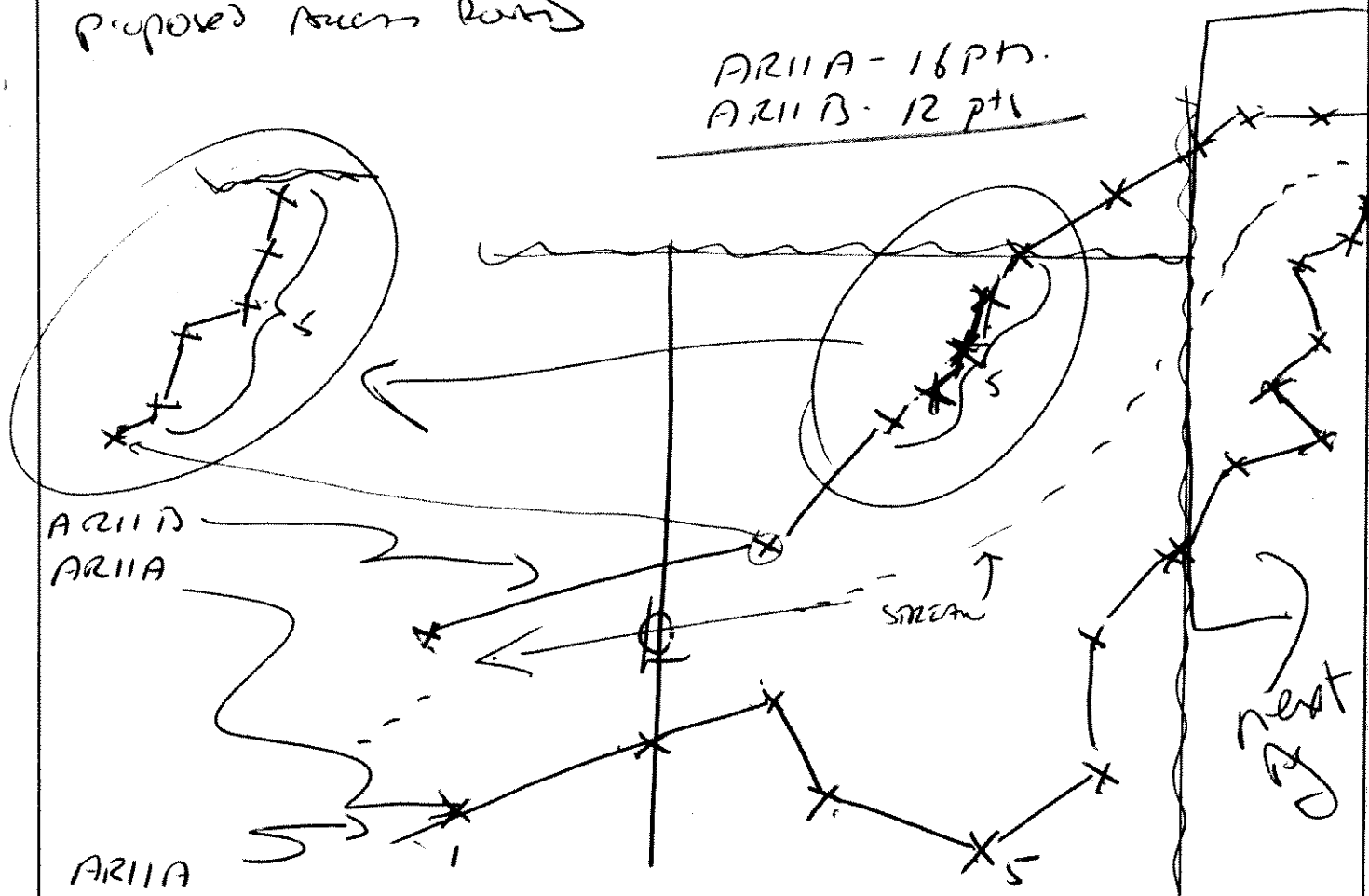
TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/30/15 PAGE 4 OF 10 PAGES

1030 - Returned to last note to ID  
1040 - AT turbine location - continued south along proposed access road

AR11A - 16 pts.  
AR11B - 12 pts.



NOTES water flow SW → SE

VEG: SS3

- NEW YORK MATE H
- Sky Rush H
- STEEPLEHOL S
- DK grn bellows H
- meadow sweet S
- Narrow goldenrod H
- Jewelweed H
- Arrowweed TEACH H
- Unknown Herb H

- willow herb (P. sp.) H
- Quercus coccinea H
- ~~meadow~~ ~~grass~~ H
- L. A. (darker) H
- water penny? cren? H
- Acer elm TIS
- Silky willow S
- Service berry S
- Dark willow S

← Fence  
Pennywort



TETRA TECH

SUBJECT Zilka creek

Wetland delineation

PROJECT Elm Street

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/13/05 PAGE 5 OF 10 PAGES

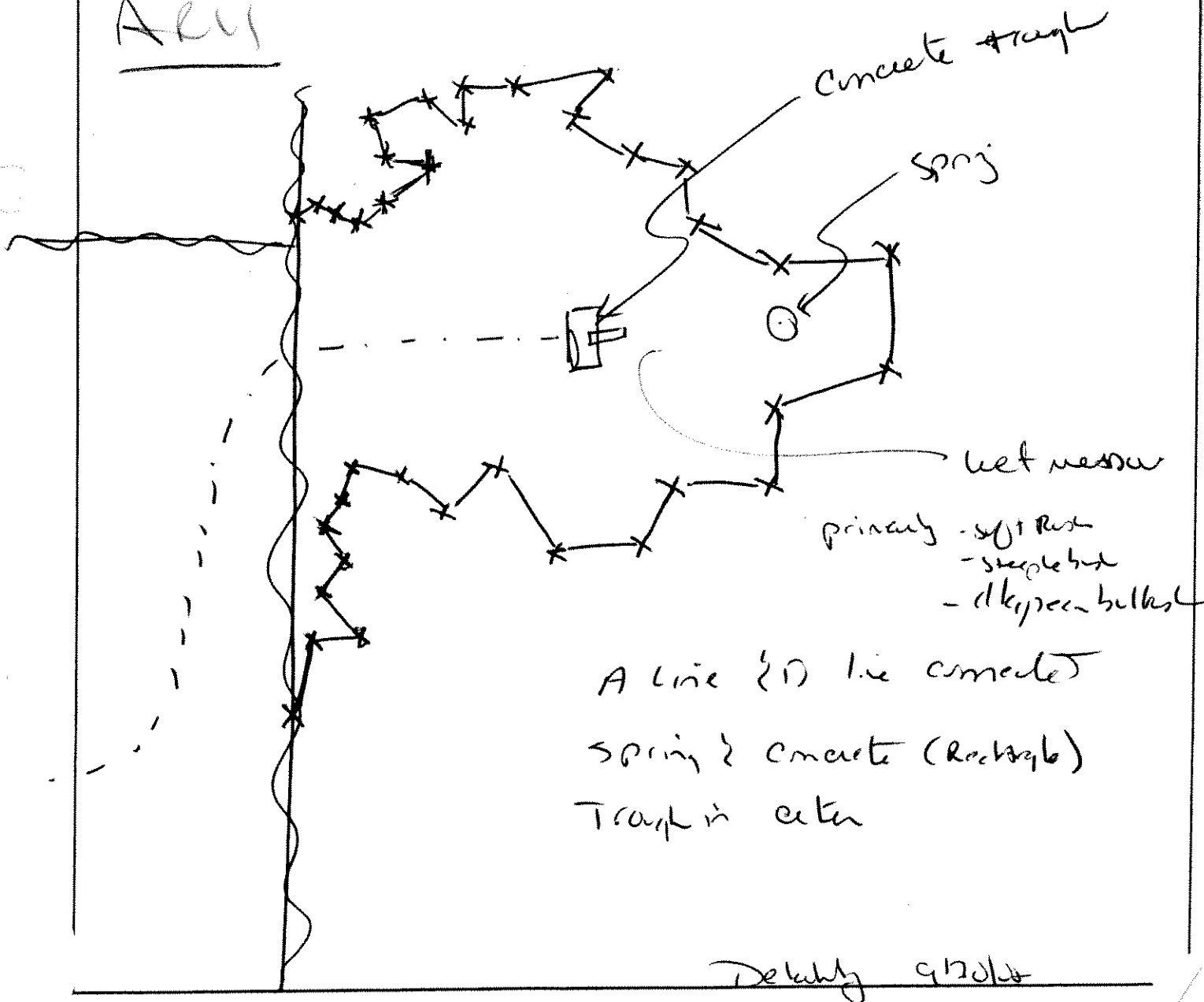
STREAM slow to moderate flow to east

- sandy silt loam substrate
- ~ 1.5' wide
- up to 4" deep

more riparian to west as creek wetland more defined

Primarily a PEM wetland. w/ scrub shrub at periphery  
Some scattered American elm

ARL





TETRA TECH

SUBJECT Zilks Creek

wetland delineation

PROJECT Clunby

TC/P NO. \_\_\_\_\_

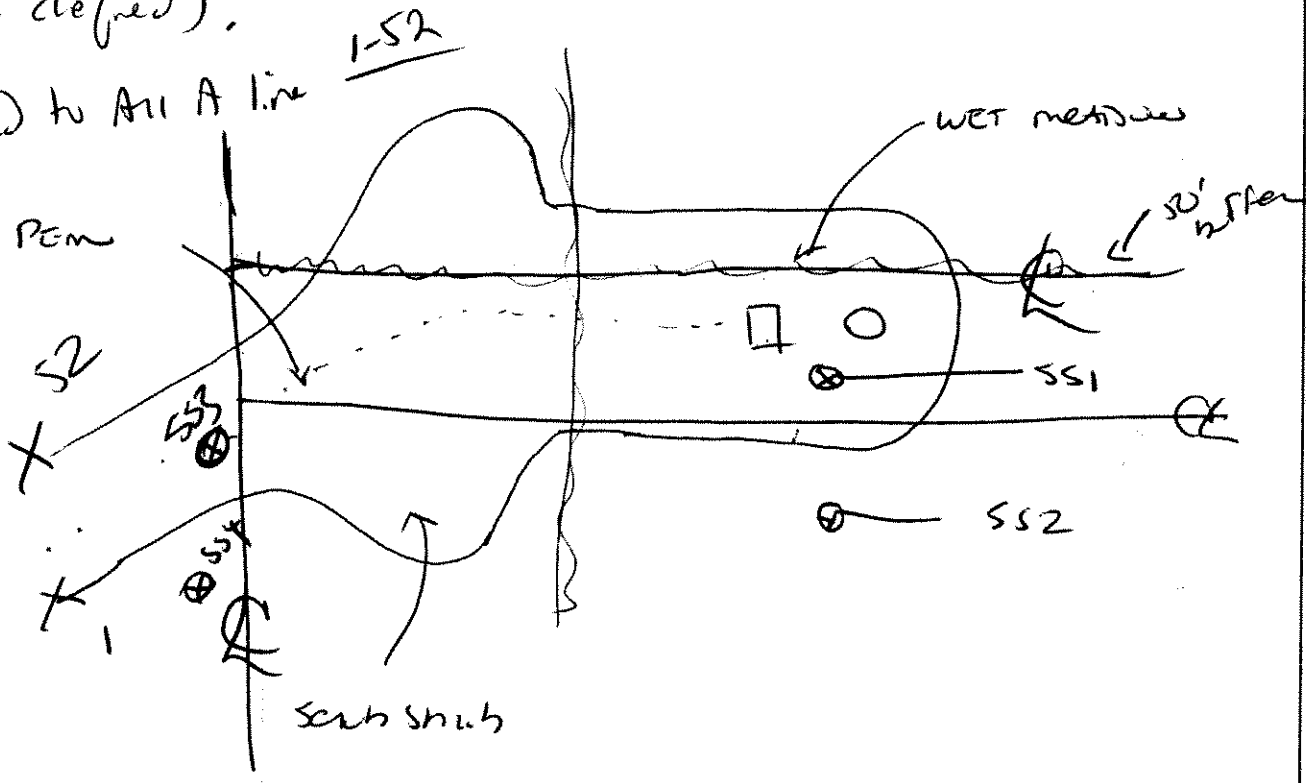
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/20/05 PAGE 6 OF 10 PAGES

AR11

- Topo in upper portion of wetland by spring gently slope to SE then flattens out
- veg in upper portion (wetland). Dominated by Steeple bush, DK green bullrush & soft rush in lower portion more diversity - shrubs limited to periphery & along stream (where defined).

note changed to All A line



SS1 -

- VEG:
- CAREX sp
  - J. effusus
  - DK gm bullrush
  - Steeple bush
  - Common plantain
  - Buttercup
  - narrow-leaved yellow rod
  - Flat topped Aster

Soil:

0-9	10YR 3/1	Silt clay loam *
9-18	10YR 5/2	Silt (sand) w/
	10YR 5/6	mudules

prominent / median / many

Herb:

- Sarcocolla sub
- AT 0"

\* OXIDIZED Rhizosphere

Redbank, 9/20/05

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>S. Ryan, K. Hammon, J. Arnett</i>	Date: <i>10-4-05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR13A/B -SS-1-wetla</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>50%</i> Shrub: <i>30%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del><i>Scirpus latifolius</i></del> <i>5%</i>	<del>Shrub</del>	<del>FAC</del>	9.		
2. <i>Rubus idaeus</i> <i>25%</i>	Shrub	FAC-	10.		
3. <i>Solidago rugosa</i> <i>50%</i>	herb	FAC	11.		
4. <i>Aster umbellatus</i> <i>50%</i>	herb	FACW	12.		
5. <del><i>Carex sp.</i></del> <i>5%</i>	<del>herb</del>		13.		
6. <i>Juncus effusus</i> <i>50%</i>	H	FACW	14.		
7. <del><i>Scirpus americanus</i></del> <i>5%</i>			15.		
8. <i>Betula populifolia</i>	Tree	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/5 = 80%</i>					
Remarks: <i>* Percentages = absolute cover</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt;14"</i>  Depth to Saturated Soil (in.): <i>at surface</i>	
Remarks:	



ID: AR:3AB SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-7	AO	10YR 3/1	-	-	silt loam
7-16	B	10YR 4/2	10YR 5/8	few/medium/faint	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Oxidized Root Channels					
- Auger refusal at 16"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes   No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes   No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes   No
Hydric Soils Present?	<input checked="" type="radio"/> Yes   No		Is this an Isolated Wetland?
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Project</i>	Date: <i>10-4-05</i>
Applicant/Owner: <i>Harrison</i>	County: <i>Clinton</i>
Investigator: <i>S. Ryan, J. Arnett, K. Hannon</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR13A/B -55-2 upla</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *10%* Shrub: *25%* Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i> 5%	Tree	FAC	9. <del><i>Fragaria</i></del>	<del>Herb</del>	
2. <i>Spiraea latifolia</i> 10%	Shrub	FAC+	10.		
3. <i>Spiraea tomentosa</i> 5%	Shrub	FACW	11.		
4. <i>Aster umbellatus</i> 70%	Herb	FACW	12.		
5. <i>Rubus alleghaniensis</i> 10%	Shrub	FACU-	13.		
6. <i>Solidago rugosa</i> 40%	Herb	FAC	14.		
7. <i>Juncus effusus</i> 20%	Herb	FACW+	15.		
8. <del><i>Poa</i></del>	<del>F</del>	<del>FACU</del>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *6/7*

Remarks: *Percentages = absolute cover*

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated in upper 12 inches</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil Survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	
<p>Remarks: <i>None</i></p>	

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A0	10YR 3/1	-	-	Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal at 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?

Remarks

\* Marginal Upland Plot. Meets criteria for wetland considering vegetation, and poorly meets wetland criteria for hydric soils. No wetland hydrology present.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg <i>Christman</i>	Date: 4 Oct 2005
Applicant/Owner: Horizon Renewable Energy	County: Clinton
Investigator: J. Arnett, S. Ryan, K. Hamner	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR14A SS2 AR13 AB - SS3</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: *90%* Shrub: *30* Herb: *90* Vine: *—*

Dominant Plant Species	%	Stratum	Indicator	Dominant Plant Species	%	Stratum	Indicator
1. <i>Betula papyrifera</i>	15	Tree	FAC	9. <i>Populus tremuloides</i>	70	Tree	FACW
2. <i>Acer rubrum</i>	10	Tree	FAC				
3. <i>Rubus idaeus</i>	25	Shrub	FAC-	11.			
4. <del><i>Solidago rugosa</i></del>	<del>10</del>	<del>Herb</del>		12.			
5. <i>Aster multiflorus</i>	60	Herb	FACW	13.			
6. <i>Allyrium petiolatum</i>	25	Herb	FAC	14.			
7. <del><i>Dryopteris</i></del>	<del>5</del>	<del>Herb</del>		15.			
8. <del><i>Rubus allegheniensis</i></del>	<del>5</del>	<del>Shrub</del>		16.			

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *4/6 = 67%*

Remarks: *90 are actual canopy*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands - <i>depression</i> <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>Not present</i> Depth to Free Standing Water in Pit (in.): <i>&gt;14"</i> Depth to Saturated Soil (in.): <i>&gt;14"</i>	
Remarks: <i>This site appears to have seasonal inundation in the areas between hummocks, possibly, but overall the case for hydrology is marginal at best. Decided based on BPS to consider the area upland.</i>	

AR13 AB-553

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	—	—	normal plant
1-4	A	2.5Y 6/2	10YR 5/8	few faint lines	sandy some
4-14+	B				

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)  Is this Sample Station Point Within a Wetland? Yes No	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <u>Ellenburg - Windfence</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>J. Arndt</u>	Date: <u>4 Oct 2005</u> County: Clinton State: NY												
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>
Yes	No												
<input checked="" type="radio"/>	<input type="radio"/>												
Yes	No												
<input type="radio"/>	<input checked="" type="radio"/>												
Yes	No												
<input type="radio"/>	<input checked="" type="radio"/>												
Community ID: Transect ID: Plot ID: <u>AR13AB, 554-wetlands</u>													

**VEGETATION**

PSS.

Plant Community Classification:							
Percent Canopy Cover:		Tree: <u>80</u>		Shrub: <u>35</u>		Herb: <u>60</u>	
Vine: <u>0</u>							
Dominant Plant Species	%	Stratum	Indicator	Dominant Plant Species	%	Stratum	Indicator
1. <u>Betula papyrifera</u>	<u>70</u>	<u>Tree</u>	<u>FAC</u>	9. <u>Solidago missa</u>	<u>30</u>	<u>Herb</u>	<u>FAC</u>
2. <u>Populus tremuloides</u>	<u>10</u>	<u>Tree</u>	<u>FACU</u>	10. <u>Urtica dioica</u>			
3. <u>Acer rubrum</u>	<u>5</u>	<u>Shrub</u>	<u>FAC</u>	11. <u>Desmodium illinoense</u>			
4. <u>Rubus allegheniensis</u>	<u>10</u>	<u>Shrub</u>	<u>FACU-</u>	12.			
5. <u>Spiraea latifolia</u>	<u>15</u>	<u>Shrub</u>	<u>FAC+</u>	13.			
6. <u>Rubus idaeus</u>	<u>5</u>	<u>Shrub</u>		14.			
7. <u>Aster bartramiae</u>	<u>5</u>	<u>Shrub</u>		15.			
8. <u>Aster umbellatus</u>	<u>30</u>	<u>Herb</u>	<u>FACW</u>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/7</u>							
Remarks: <u>90 cover is actual cover, not relative</u>							

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <u>Depression</u> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <u>→</u> <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 14"</u> Depth to Saturated Soil (in.): <u>&gt; 14"</u>	
Remarks: <u>Marginal hydrology, not really sufficient for wetland parameter.</u>	

AR 13 AB 55-4

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	D	10YR 2/1			high organic
4-14	A	10YR 4/1	10YR 5/8	low & it-it	sandy loam

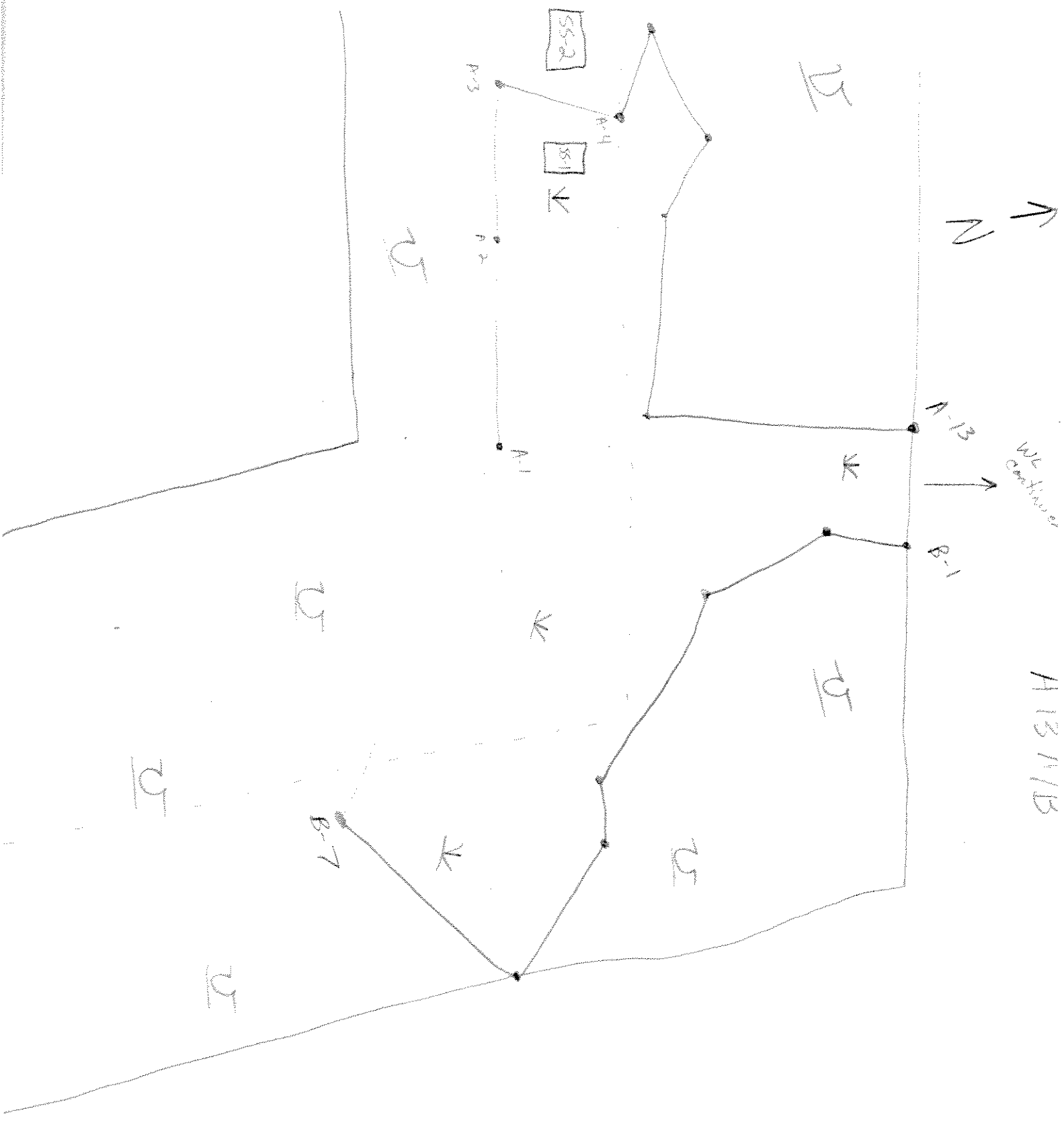
- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks: low chroma, sandy soils, because they are sandy, are harder to determine

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No (Circle)  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland? Yes  No (Circle)

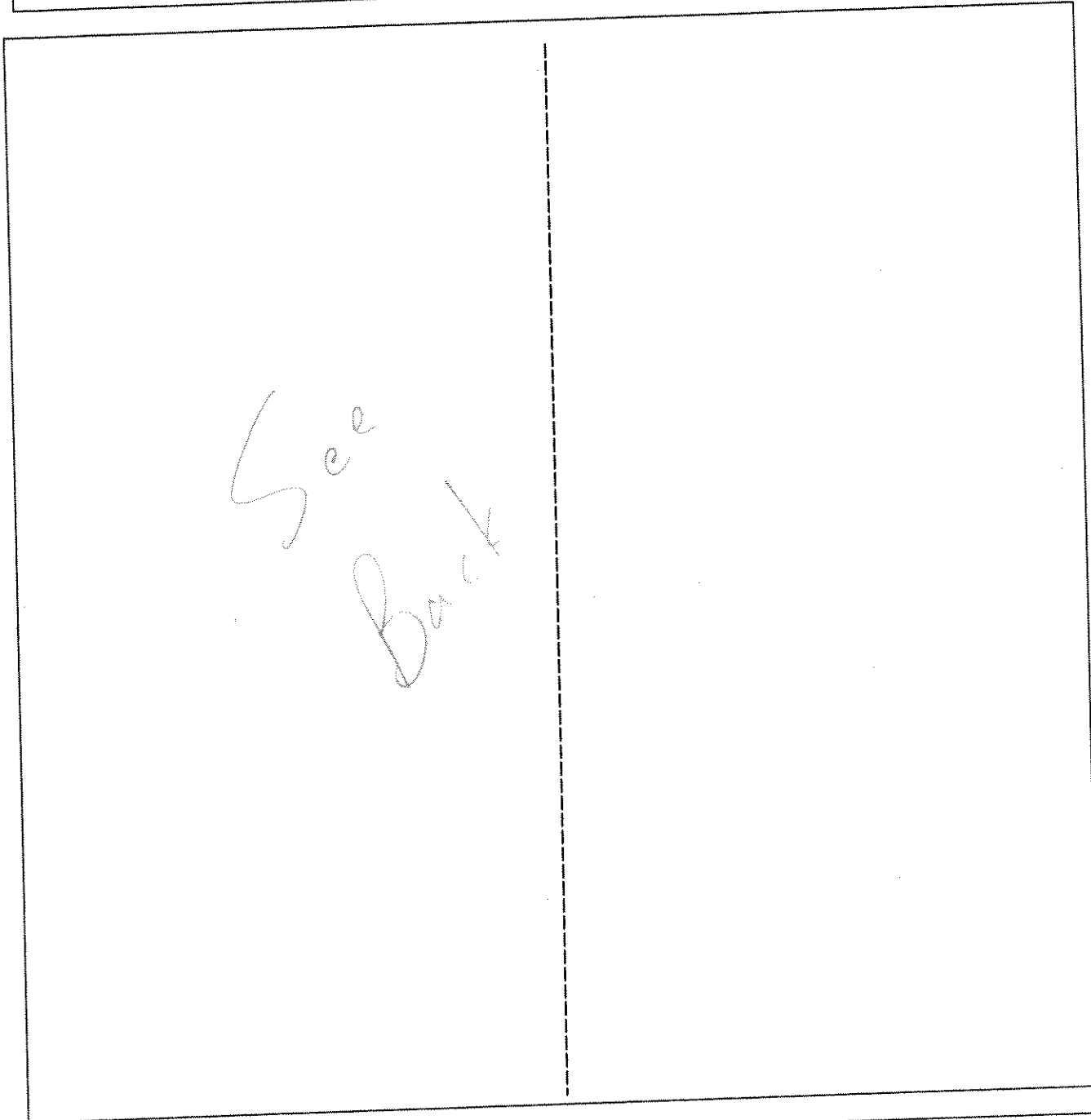
Remarks This whole area seems marginally wetland but hydrology does not seem present





SKETCH FORM

Wetland ID/Route #: A13A/B	Date: 10-5-05	Time:
Initials of Delineators: S. Ryan, K. Hanson, J. Avall	Location: Clinton County Wild Farm	
Roll #:	Frames:	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg <i>WindGen</i>	Date: <i>5 Oct 2005</i>
Applicant/Owner: Horizon Renewable Energy	County: Clinton
Investigator: <i>J. Arnett, S. Ryan, K. Hannan</i>	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>PFO</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	Transect ID:
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/>	Plot ID: <i>AR/HA 55-1</i>
(If needed, explain on reverse.)	

**VEGETATION**

*PFO*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>45</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Populus tremuloides 60</i>	<i>Tree</i>	<i>FACW</i>	<i>9. Aster umbellatus 25</i>	<i>Herb</i>	<i>FACW</i>
<i>2. Acer rubrum 20</i>	<i>Tree</i>	<i>FAC</i>	<i>10. Sphagnum 5</i>	<i>Herb</i>	<i>OBL</i>
<i>3. Rubus idaeus 10</i>	<i>Shrub</i>	<i>FAC</i>	<i>11. Rubus pulcherrimus 5</i>	<i>Herb</i>	<i>FACW</i>
<i>4. Rubus allegheniensis 25</i>	<i>Shrub</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Rubus odoratus 10</i>	<i>Shrub</i>	<i>Nil</i>	<i>13.</i>		
<i>6. Solidago rugosa 25</i>	<i>Herb</i>	<i>FAC</i>	<i>14.</i>		
<i>7. Carex sp 20</i>	<i>Herb</i>	<i>FACW</i>	<i>15.</i>		
<i>8. Aster dumosus 5</i>	<i>Herb</i>	<i>Nil</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>Pockets with hydrophyte + hydrophyte interspersed with hummocks with upland plants - the hummocks are upland plants. Rubus idaeus, R. odoratus, R. allegheniensis and true non-hummocks only</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14"</i> Depth to Saturated Soil (in.): <i>0 - saturated to the surface</i>	
Remarks: <i>wetland hydrology limited to depression</i>	

**SOILS**

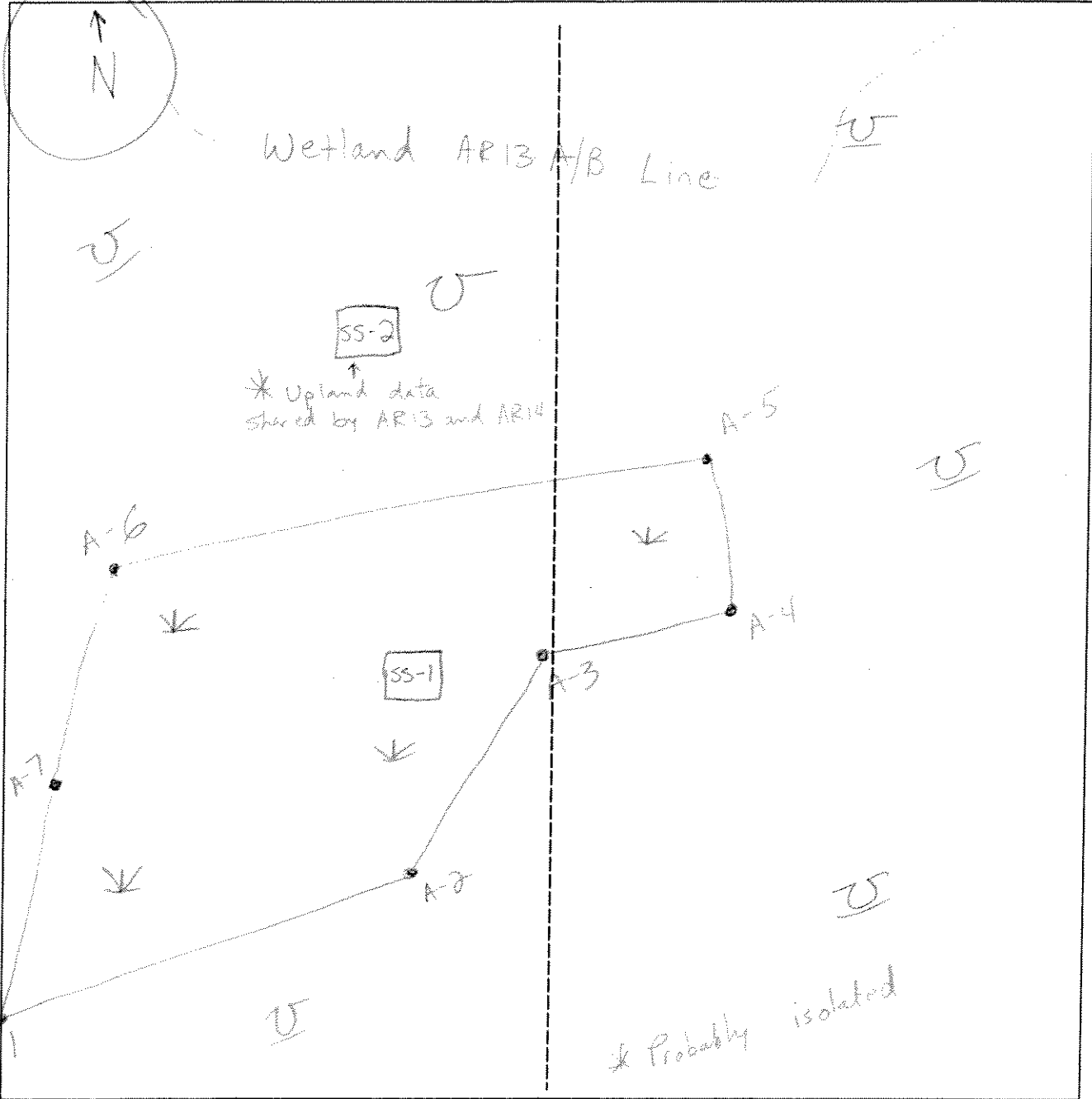
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-6 6-14 1/2	O A	10YR 2/1 10YR 5/1	10YR 5/6	Few, distinct	Organic sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Soil very sandy					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	(Circle) Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: This is a hummocky, level area with wetland depressions interspersed with upland hummocks. The boundary includes what appears to contain mostly wetlands, but substantial upland patches as well.			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR14A	<b>Date:</b> 10-5-05	<b>Time:</b>
<b>Initials of Delineators:</b> SR KH JA	<b>Location:</b> Clinton Wind Farm	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <u>Ellenburg Wind Farm</u>		Date: <u>6 Oct 2006</u>
Applicant/Owner: Horizon Renewable Energy		County: Clinton
Investigator: <u>J. Arnold, K. Hansen, S. Ryan</u>		State: NY
Do Normal Circumstances exist on the site?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Community ID: Transect ID: Plot ID: <u>AR 16A 55-1</u>
Is the site significantly disturbed (Atypical Situation)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Scirpus</u>	<u>Herb</u>	<u>OBL</u>	9.		
2. <u>Plantago major</u>	<u>Herb</u>	<u>FACW</u>	10.		
3. <u>Plantago lanceolata</u>	<u>Herb</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
* Remarks: <u>Plowed field - most veg. obscured; Scirpus, in bloom, Plantago on road edge, can't really see veg, or get below. Assume hydrophytes originally present because of obvious hydrology</u> <u>* not used</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 12</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>abrupt dip in topography - subsided to the surface, deep tractor tire ruts. Access road follows existing farm road, which is deeply compacted</u>	

AR 16A-55-1

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 3/2			3 silt loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Plowed Ap horizon, thick rock below that  
presume hydric based on topography + surrounding soil

**WETLAND DETERMINATION**

pressure pressure

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Ag field + farm road. Marginal, but appears to  
have been a small wetland originally

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <u>Ellenburg Windburn</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>J. A. Smith, K. Hannon, S. Ryan</u>	Date: <u>6 Oct 2005</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR16 ASS 2</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Phalaris arundinacea</u>	<u>Herb</u>	<u>FACW+</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>100% PHAR.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <u>topography basin</u>
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 12</u> Depth to Saturated Soil (in.): <u>12"</u>	<b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: <u>Saturated to within 12" of the surface</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	AP	10YR 3/2	5YR 5/8	Low medium distinct	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Family plowed,					

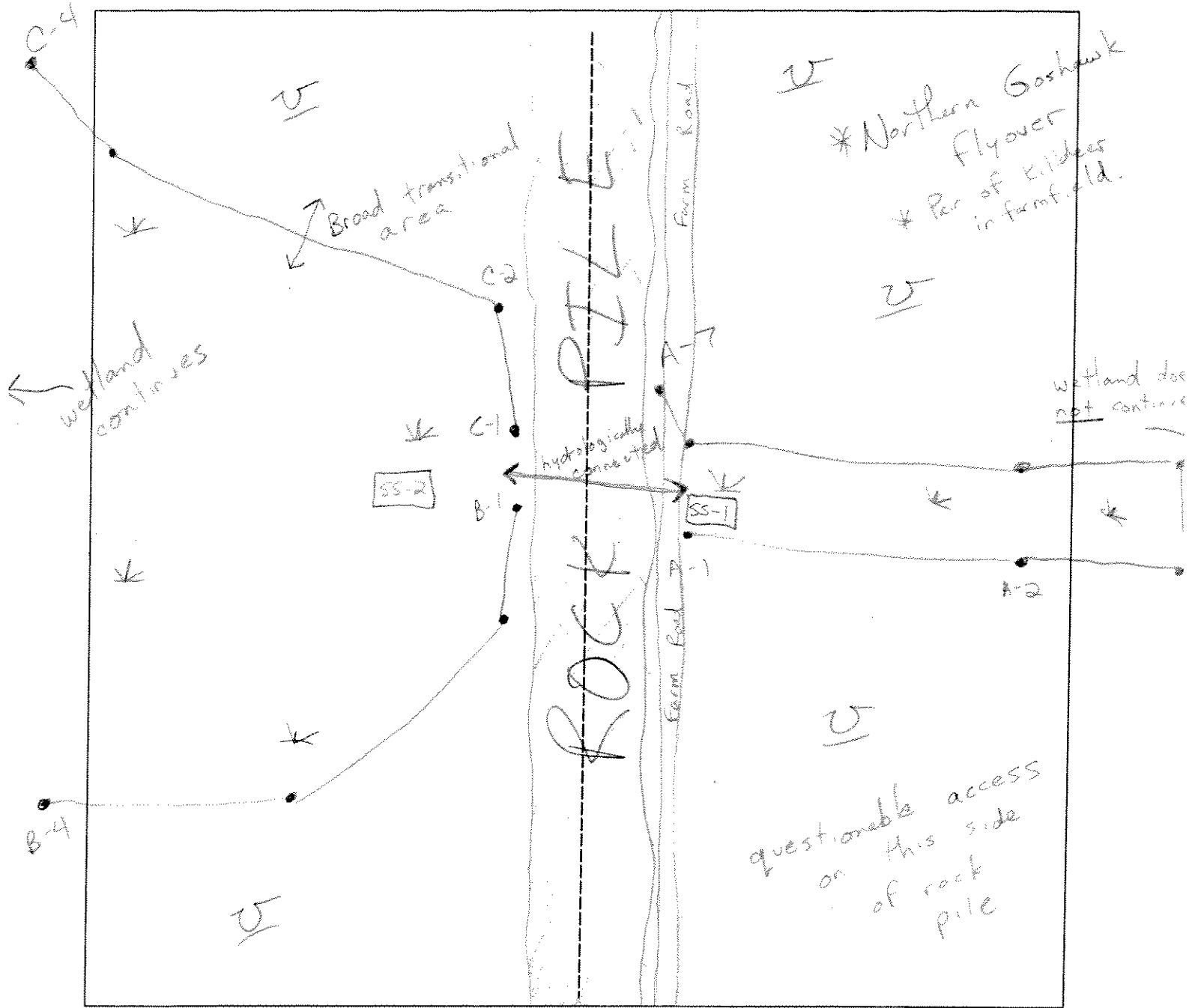
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No	
Remarks			



SKETCH FORM

Wetland ID/Route #: AR16 A/B/C	Date: 10-6-05	Time:
Initials of Delineators: SR KH JA	Location: Clifton County Wind Farm	
Roll #:	Frames:	



Legend	
○ ↗	Photo Location/Direction
▭	Sample Station
- - -	Centerline
▷	Flag
∨	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

\* All are wetland, Hydrological connection under rock pile.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wadsworth</i>	Date: <i>10/17/05</i>
Applicant/Owner: <i>Averson</i>	County: <i>Clinton</i>
Investigator: <i>Kelly GO</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 22 A/B-SS1 A2A</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *PEN*  
 Percent Canopy Cover: Tree:  Shrub:  Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	<i>1+</i>	<i>OBL</i>	9.		
2. <i>Solidago gaduiniifolia</i>	<i>1+</i>	<i>FACW</i>	10.		
3. <i>Spiraea latifolia</i>	<i>1+</i>	<i>FAC+</i>	11.		
4. <i>Phleum pratense</i>	<i>1+</i>	<i>FACU</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *75%*

Remarks:  
*Small Depression with corn field bordering north + south*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12"</i> Depth to Saturated Soil (in.): <i>&gt; 12"</i>	
Remarks: <i>photo 3 + 4</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	AP	10Y-3/6			Sandy clay loam
3-6	AP	10Y-4/3	10Y-4/6	Low/medium/high	Fe con.
6-12	A	10Y-5/4	10Y-4/8	Low/medium/distinct	Fe con. sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> <i>Windsor</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>K. Hannon, G. Daudy</i>	Date: <i>8 Oct 2005</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 27 A/B -551</i>

**VEGETATION**

*PFO*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	T	<i>FAC</i>	9.		
2. <i>Big leafed Aspen</i>	T	<i>FACW</i>	10.		
3. <i>Rubus</i>	S	<i>unknown</i>	11.		
4. <i>Red maple</i>	S	<i>FAC</i>	12.		
5. <i>Alder</i>	S	<i>FACW</i>	13.		
6. <i>Cinnamon Fern</i>	H	<i>FACW</i>	14.		
7. <i>Carex</i>	H	<i>unknown</i>	15.		
8. <i>Sensitive Fern</i>	H	<i>FACW</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>photo # 10</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>@ surface</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

AR27 AB-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12"	A	10YR 2/1			silt loam
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Redoxial @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle)
Yes No			
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> <i>Windfreen</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>K. Hannon, G. Dawdy</i>	Date: <i>8 Oct 2005</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 27A/B-552</i>

**VEGETATION**

*UPLAND FOREST*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb: <input checked="" type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar maple</i>	<i>T</i>	<i>FACU-</i>	9.		
2. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Sugar maple</i>	<i>S</i>	<i>FACU-</i>	11.		
4. <i>Alder</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Hawthorn</i>	<i>S</i>	<i>UPL*</i>	13.		
6. <i>Black cherry</i>	<i>T</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Herbaceous layer not present,</i> <div style="text-align: center; font-size: 1.5em; font-weight: bold;">* NOT LISTED</div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NP</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 18"</i> Depth to Saturated Soil (in.): <i>&gt; 18"</i>	
Remarks:	

AR27AB SS2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18"	A	10YR 2/2	None	None	Silt Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 inclusions of peat in top 12"  
 no mottling

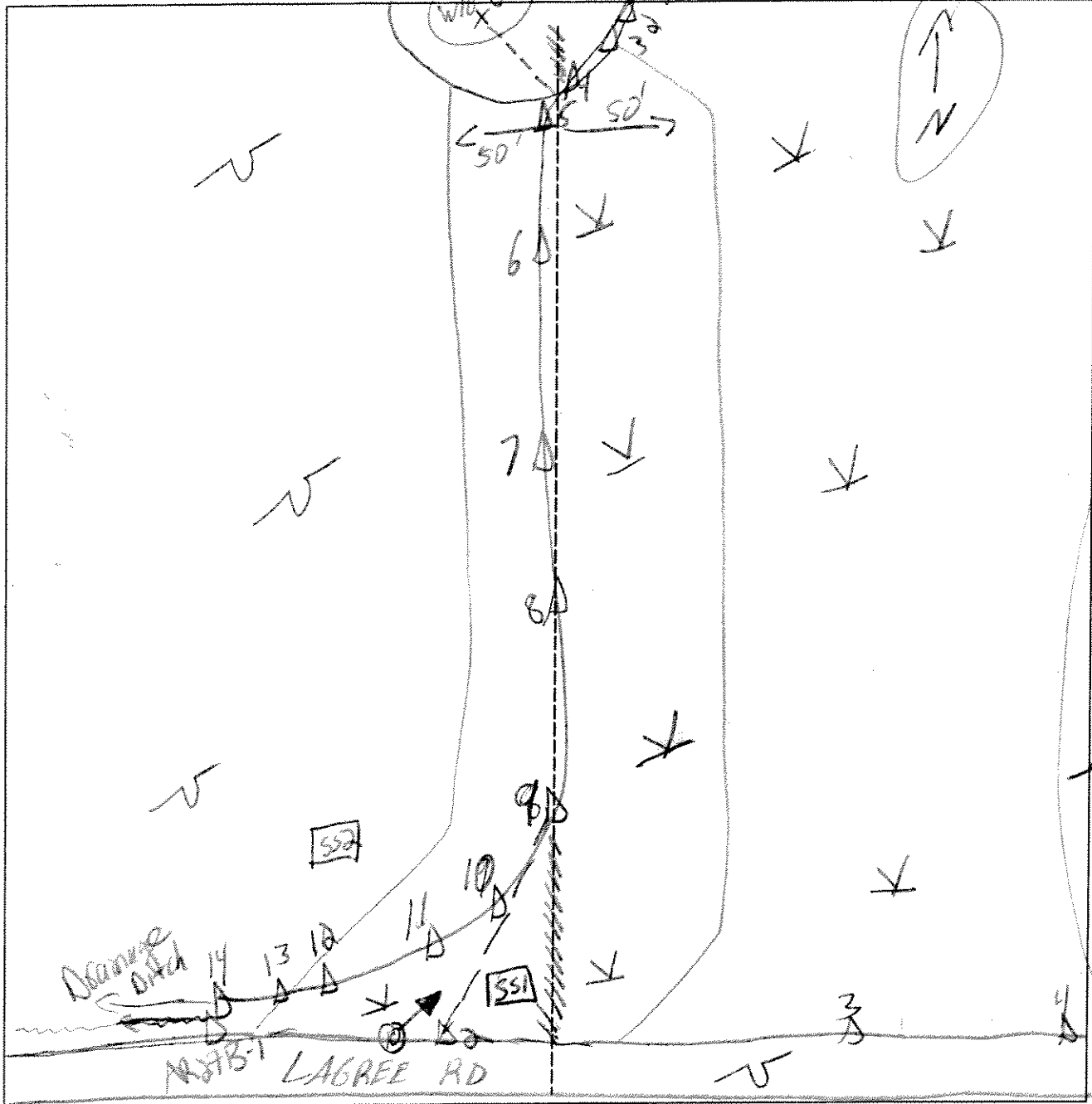
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No

Remarks

SKETCH FORM

Wetland ID/Route #: <i>AR27A/B</i>	Date: <i>10/8/05</i>	Time:
Initials of Delineators: <i>ISH, GD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>pix #10 Grey's Camera</i>	Frames: <i>AR27A-1</i>	



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



#145

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windfarm</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>GCS/JG</i>	Date: <i>10/10/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 24A-351</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i> Percent Canopy Cover: Tree: <i>&lt; 5%</i> Shrub: <i>5%</i> Herb: <i>10%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus cyperinus</i>	H	FACW	9.		
2. <i>Juncus tenuis</i>	H	FAC-	10.		
3. <i>Lythrum scariosum</i>	H	-	11.		
4. <i>Solidago nemoralis</i>	H	FAC	12.		
5. <i>Rubus hispidus</i>	V	FACW	13.		
6. <i>Abies balsamea</i>	T	FAC	14.		
7. <i>Populus populifolia</i>	S	FAC	15.		
8. <i>Carex scoparia</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 0</i> Depth to Saturated Soil (in.): <i>3"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 6/2	10YR 5/6	None / large / bright	Silty sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes
			Is this an Isolated Wetland?	No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Wisconsin	Date: 10/12/05
Applicant/Owner: Horizon	County: Clinton
Investigator: GDS/SG	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: AR 34A-55Z
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *open upland.*  
 Percent Canopy Cover: Tree:  Shrub:  Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Hieracium aurantiacum</i>	H	-	9.		
2. <i>Trifolium pratense</i>	H	FACW	10.		
3. <i>Leontodon autumnalis</i>	H	UPL	11.		
4. <i>Trifolium repens</i>	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:  
*Photo # 17*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6</i> Depth to Saturated Soil (in.): <i>&gt; 6</i>	
Remarks: <i>Auger refusal @ 6"</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/5			Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	Is this an Isolated Wetland?	Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wm</i>	Date: <i>10/2/05</i>
Applicant/Owner: <i>HORTON</i>	County: <i>Clinton</i>
Investigator: <i>GCS/JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 35A-SS1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>PEM/PS5</i>	Tree: <i>D</i>	Shrub: <i>20%</i>	Herb: <i>90%</i>	Vine: <i>X</i>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus americanus</i>	4	FACW	9.		
2. <i>Alysicarpus americanus</i>	11	OBL	10.		
3. <i>Juncus effusus</i>	4	FACW+	11.		
4. <i>Sagittaria</i>	4	—	12.		
5. <i>Sagittaria arifolia</i>	5	FACW	13.		
6. <i>Carex scoparia</i>	4	FACW	14.		
7. <i>Betula populifolia</i>	5	FAC	15.		
8. <i>Juncus tenuis</i>	4	FAC-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>-</i>	
Remarks: <i>Inundated</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:		
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No		

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/1			Fc silty sandy loam
3-12		10YR 4/2	10YR 5/6	Many/Weak/50%	Fc on silty sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	---

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present?	Yes Yes Yes	No No No	(Circle)  Is this Sample Station Point Within a Wetland? Is this an Isolated Wetland?	(Circle)  Yes No Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Woodford</i>	Date: <i>10/11/05</i>
Applicant/Owner: <i>HORRAN</i>	County: <i>Clinton</i>
Investigator: <i>BWS/JS</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 35A-SS2</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *Upland*

Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Trifolium pratense</i>	H	FACW	9.		
2. <i>Trifolium repens</i>	H	FACW	10.		
3. <i>Sp. sp.</i>	H	FACW	11.		
4. <i>Plantago lanceolata</i>	H	UPL	12.		
5. <i>Cirsium sp.</i>	H		13.		
6. <i>Hieracium aurantiacum</i>	H	NL	14.		
7. <i>Toxococcus obtusatus</i>	H	FACW	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0.70*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>76"</i> Depth to Saturated Soil (in.): <i>76"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-12	A-P	10YR 4/2	—	—	silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

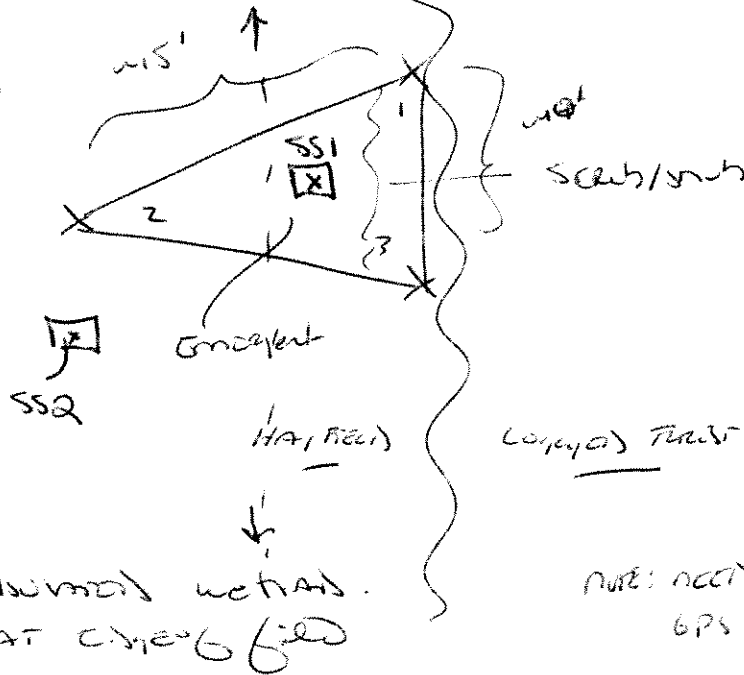
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks			



WETLAND  
 AR34



Soils map:

- steep hill
- mounds
- gray hills

Plan:

- 3 offices
- 1000 sq ft
- well pump
- cover sp.
- lime-lined GR

Small mound wetland.  
 Triangle at chief field

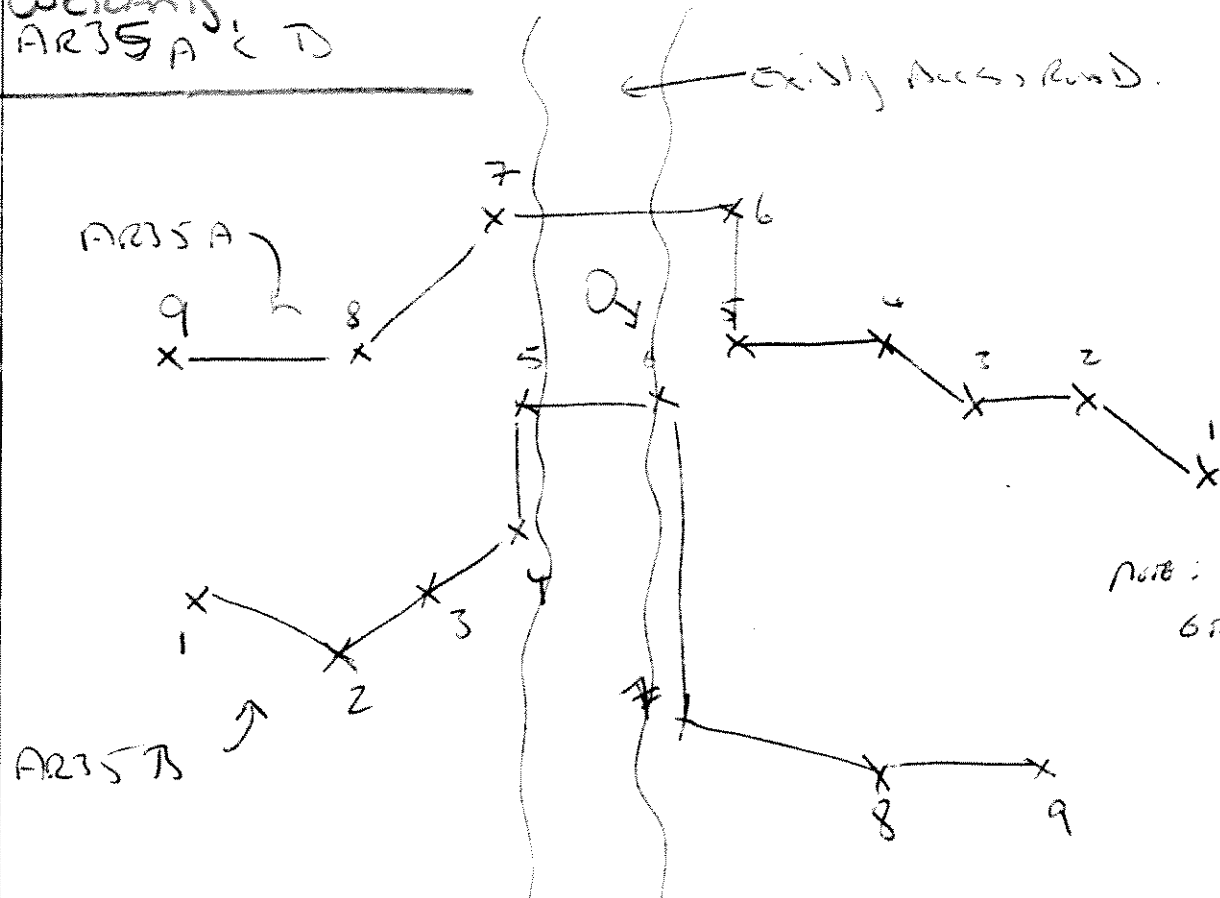
Note: need to  
 GPS all

Plot # 17 at AR34 → East.

Plot # 18 at AR35 → North east



WETLAND  
 AR35 A & B



Note: need to  
 GPS all

T 25

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> <i>Windsor</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>SD, JB</i>	Date: <i>10/1/08</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 36A-591</i>

**VEGETATION**

Plant Community Classification: <i>DEM</i> Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. arrowweed</i>	<i>14</i>		<i>9.</i>		
<i>2. Great wren</i>	<i>14</i>		<i>10.</i>		
<i>3. small white</i>	<i>14</i>		<i>11.</i>		
<i>4. Sensitive stem</i>	<i>14</i>		<i>12.</i>		
<i>5. Carex lurida</i>	<i>14</i>		<i>13.</i>		
<i>6. Carex spp</i>	<i>14</i>		<i>14.</i>		
<i>7. O. R. reed</i>	<i>14</i>		<i>15.</i>		
<i>8. Spinec</i>	<i>14</i>		<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>4"</i>  Depth to Saturated Soil (in.): <i>2"</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR 5/1	—	—	10cm silty loam
6-12	A	10YR 3/2	1-	—	—
12-18	A	10YR 3/3	10YR 5/8	many/large/bright	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="float:right;">(Circle) Yes No</span>
Remarks  photo # 19			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <u>Windsor</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>GD, JG</u>	Date: <u>10/11/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR36A-552</u>

**VEGETATION**

OPEN  
UPTLAND

Plant Community Classification: <u>UPTLAND</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>20%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>S. birch</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>pearly everlasting</u>	<u>H</u>	<u>UPL</u>	10.		
3. <u>Spiraea ulmifolia</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Solidago rugosa</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Rubus</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Solidago altissima</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Fragaria virginiana</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%

Remarks: \* not listed

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6</u> Depth to Saturated Soil (in.): <u>&gt; 6</u>	
Remarks: <u>Auger refusal @ 6"</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-6	A	10YR 4/2	—	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks			



TETRA TECH

SUBJECT Horizon

TEAM 1

PROJECT TURKEY # 45

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE \_\_\_\_\_ PAGE 6 OF 6 PAGES

AR 363.

→ NORTH

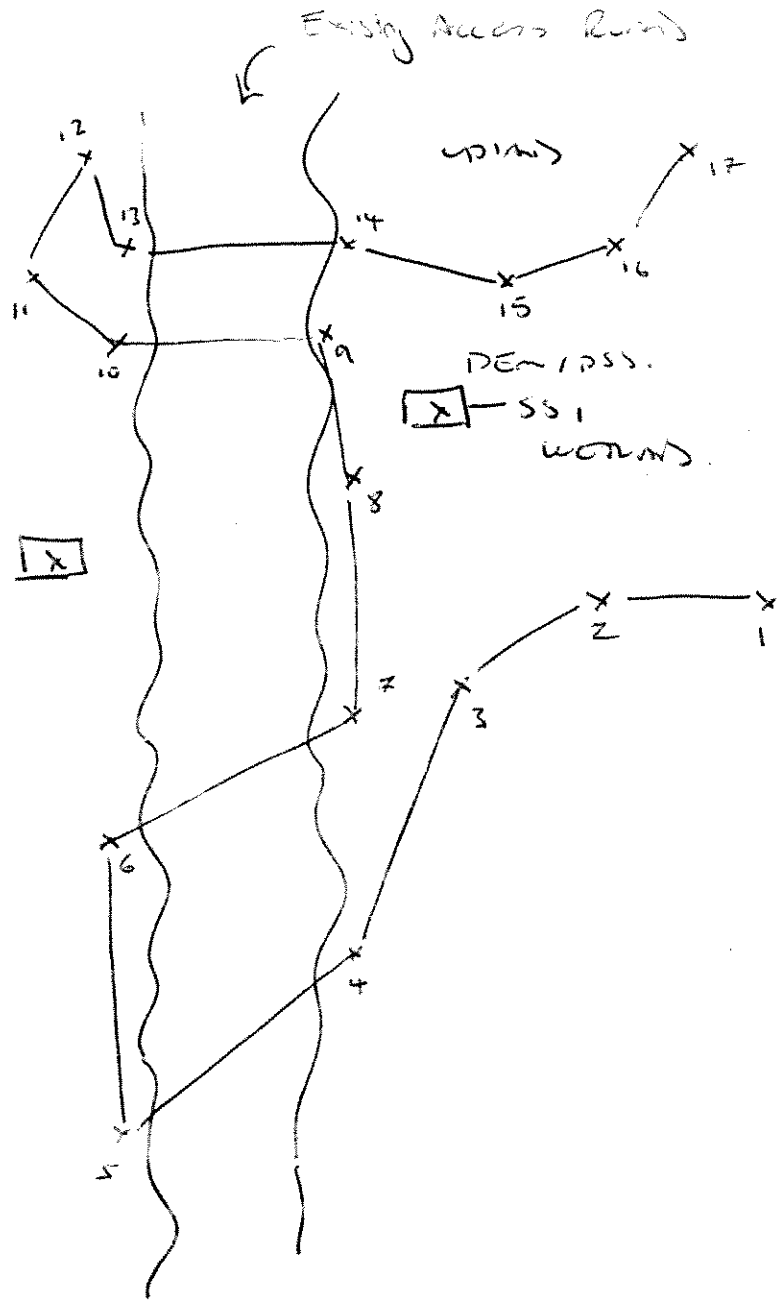
NOTE: NO A Line

NEED TO GPS.  
ALL

SS2 - [X]  
UPIN(S)

DEM 1355.  
[X] - SS1  
WORK(S)

\* NOTE: Change  
number to A  
line when GPS.



FINISHED AR 37, AR 38 & AR 39

- not numbered
- not stake stans
- not photogram
- not GPSed

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wisconsin</i> Applicant/Owner: <i>HURON</i> Investigator: <i>OD, JB</i>	Date: <i>10/12/05</i> County: <i>Clinton</i> State: <i>WY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No <i>AR37A-551</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>590</i> Herb: <i>1000</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alisma subcordatum</i>	H	OBL	9. <i>Betula populifolia</i>	S	FAC
2. <i>Phalaris arundinacea</i>	H	FACW+	10. <i>Salix sericea</i>	S	OBL
3. <i>Bidens connata</i>	H	FACW+	11.		
4. <i>Carex berula</i>	H	OBL	12.		
5. <i>Spiraea lanceolata</i>	H	FACW	13.		
6. <i>Sambucus nigra</i>	H	FACW-	14.		
7. <i>Galium aparine</i>	H	OBL	15.		
8. <i>Polygonum sagittatum</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Photo # 22</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>4"</i> Depth to Saturated Soil (in.): <i>2"</i>	
Remarks: <i>Auger refusal @ 12"</i>	

ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	10YR 5/6	many small bright	loamy sand
6-12	A	10YR 3/1	10YR 5/7	" " "	loamy sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

soils strongly hydric numerous indicators present.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
Yes No  
Yes No

(Circle)

Is this Sample Station Point Within a Wetland?  
Is this an Isolated Wetland?

(Circle)

Yes No  
Yes No

Remarks



745

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Windsor</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>DA JB</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 37A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>PER</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>10%</i> Herb: <i>100%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Poa spp</i>	H	<i>unbrn</i>	9.		
2. <i>Betula populifolia</i>	S	FAC	10.		
3. <i>Solidago rugosa</i>	H	FAC	11.		
4. <i>Solidago graminifolia</i>	H	FAC	12.		
5. <i>Ranunculus repens</i>	H	FAC	13.		
6. <i>Syntherisma latifolia</i>	S	FAC+	14.		
7. <i>Phytolacca pratorum</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt;8"</i> Depth to Saturated Soil (in.): <i>&gt;8"</i>	
Remarks: <i>Major refusal @ 8 inch</i>	

ID:

**SOILS**

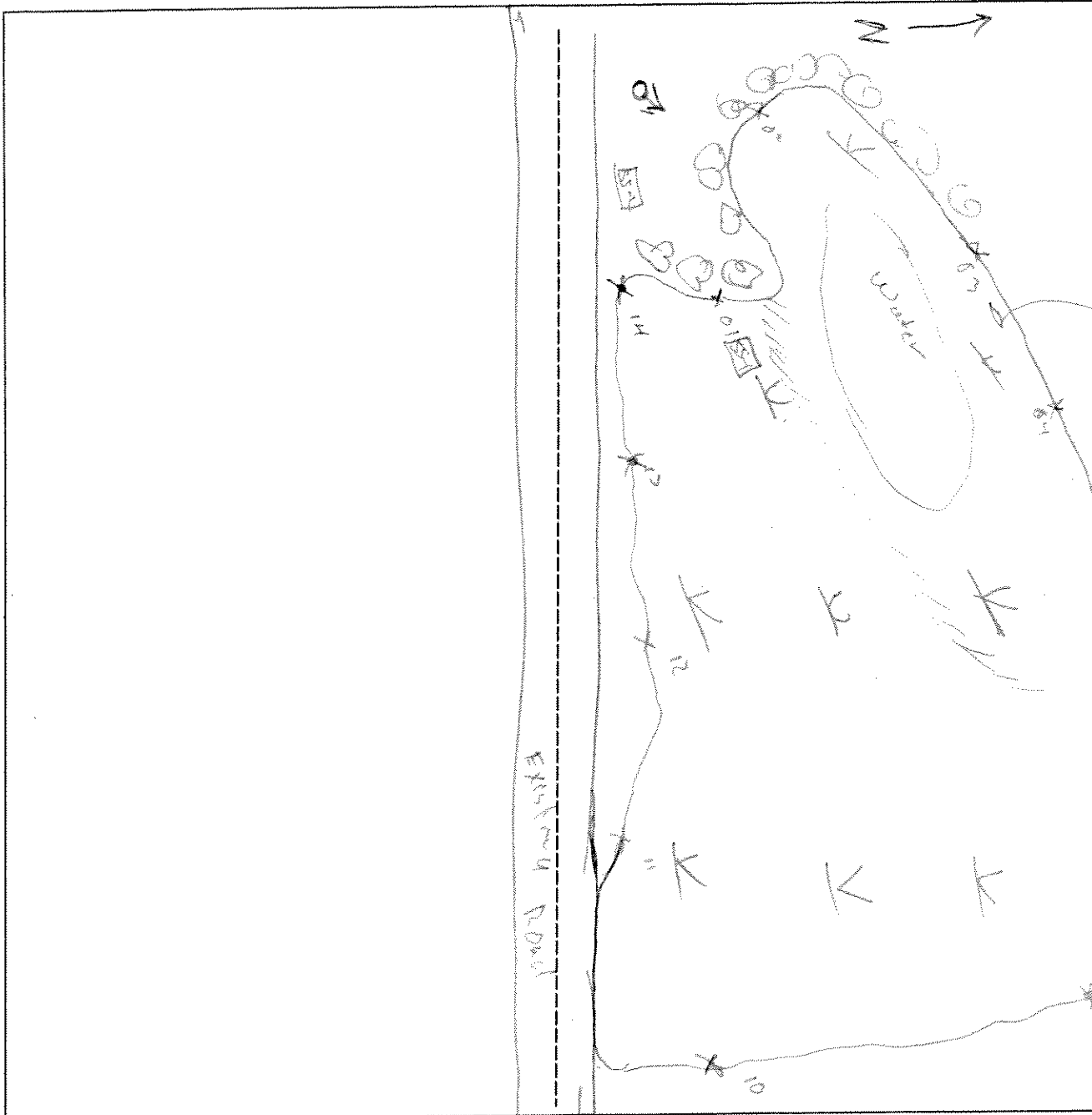
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-8	A	10y 4/3	—	—	Silty sandy loam
<b>Hydro Soil Indicators</b> <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks			

SKETCH FORM

Wetland ID/Route #: AR 37 A	Date: 10/11/05	Time: 11 45
Initials of Delineators:	Location:	
Roll #: # 22	Frames:	



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, NY</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GDJ/JG</i>	Date: <i>10/11/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>NR 384-551</i>

**VEGETATION**

Plant Community Classification: <i>PEM/PSS</i> Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>20</i> Herb: <i>50%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Polygonum sagittatum</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>		
<i>2. Lycopodium complanatum</i>	<i>H</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Betula populifolia</i>	<i>S</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Abies balsamea</i>	<i>S</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Phalaris arundinacea</i>	<i>H</i>	<i>FACW+</i>	<i>13.</i>		
<i>6. Juncus effusus</i>	<i>H</i>	<i>FACW+</i>	<i>14.</i>		
<i>7. Polygonum hydropiperoides</i>	<i>H</i>	<i>OBL</i>	<i>15.</i>		
<i>8. Solidago rigida</i>	<i>H</i>	<i>FAC</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 8</i>  Depth to Saturated Soil (in.): <i>&gt; 8</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	10YR 5/7	many / large / distinct	silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes
			Is this an Isolated Wetland?	No

Remarks

Isolated wetland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wood</i>	Date: <i>10/1/05</i>
Applicant/Owner: <i>HUTTON</i>	County: <i>Clinton</i>
Investigator: <i>GD/JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>38A 552</i> <i>AR</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>Optimal</i>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phleum pratense</i>	H	FACU	9.		
2. <i>Phalaris amurensis</i>	H	FACW+	10.		
3. <i>Ranunculus repens</i>	H	FAC	11.		
4. <i>Trifolium pratense</i>	H	FACU-	12.		
5. <i>Medicago sativa</i>	H	NL	13.		
6. <i>Actium lappa</i>	H	NL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>16.66%</i>					
Remarks: <i>Photo # 23 Looking south east</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 4"</i> Depth to Saturated Soil (in.): <i>&gt; 8"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/3	—	—	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

T-45

### SKETCH FORM

Wetland ID/Route #: AR 38A	Date: 10/11/05	Time: 12:30
Initials of Delineators:	Location:	
Roll #: #23	Frames:	

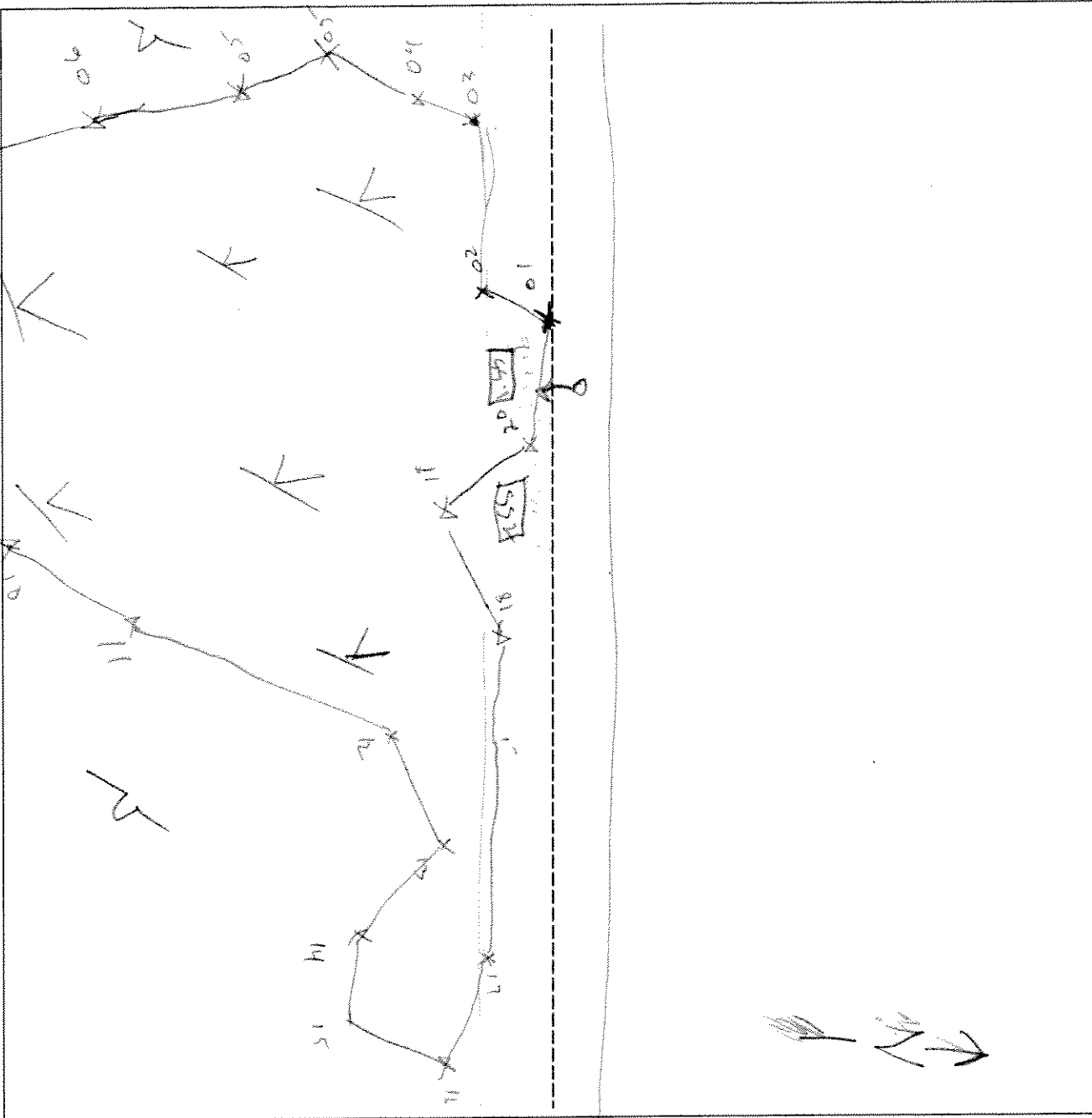


Photo Location/Direction	<b>Legend</b>	Wetland
Sample Station		Upland
Centerline		Stream
Flag		Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HURTON</i> Investigator: <i>GEDJG</i>	Date: <i>10/11/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 40A - 551</i>

**VEGETATION**

*Perr*

Plant Community Classification:  
Percent Canopy Cover: Tree:  Shrub:  Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phalaris arundinacea</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>Juncus obtusifolius</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Carex scoparia</i>	<i>H</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12</i> Depth to Saturated Soil (in.): <i>9"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	10YR 5/6	Few/medium/distinct	Silty sand
6-12	A	10YR 4/2	10YR 5/6	many/darge/distinct	Fe concretion silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			(Circle)	
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				
Isolated wetland in abandoned gravel pit.				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wood</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>CSO/JG</i>	Date: <i>10/11/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 40A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Upland</i> Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phleum pratense</i>	H	FACU	9.		
2. <i>Leontodon autumnalis</i>	H	NL	10.		
3. <i>Taraxacum officinale</i>	H	FACU-	11.		
4. <i>Tribolium repens</i>	H	FACU-	12.		
5. <i>Phalaris arundinacea</i>	H	FACU+	13.		
6. <i>Plantain major</i>	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 4</i>  Depth to Saturated Soil (in.): <i>&gt; 4</i>	
Remarks:	

ID:

**SOILS**

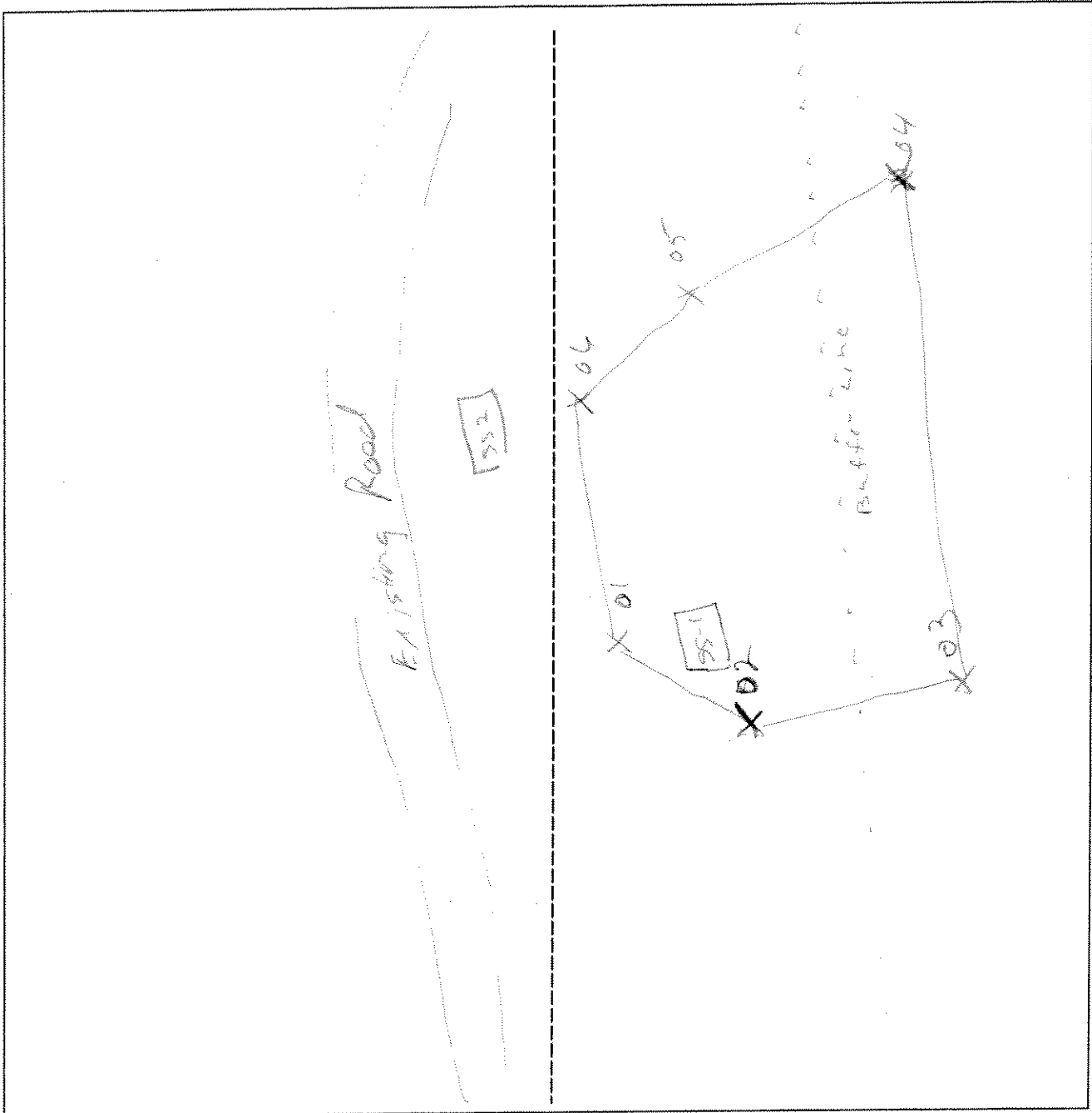
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/3	—	—	Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks				

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 40A	<b>Date:</b> 10/11/05 <b>Time:</b> 14:43
<b>Initials of Delineators:</b>	<b>Location:</b> Canton County, NY
<b>Roll #:</b> # 25 <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

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**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Washington</i> Applicant/Owner: <i>MURPHY</i> Investigator: <i>GDG/SG</i>	Date: <i>10/2/08</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR41A/B/SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>arrachafou herb</i>	<i>H</i>	<i>OBI</i>	9.		
2. <i>Quercus prinus</i>	<i>H</i>	<i>UPL*</i>	10.		
3. <i>Ternstroemia</i>	<i>H</i>		11.		
4. <i>New York Aster</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>Creeping buttercup</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Solidago sp.</i>	<i>H</i>	<i>uncom</i>	14.		
7. <i>Carex lasiocarpa</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Sagittaria arifolia</i>	<i>H</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>photos 28 + 29 * NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>3"</i>  Depth to Saturated Soil (in.): <i>1"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/1	—	—	loam
3-6	A	10YR 4/2	10YR 5/6	10-90% many/bright	silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No

Remarks  
*Photo Number 28 + 29*

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windstream</i> Applicant/Owner: <i>HORRAN</i> Investigator: <i>G.D. JB</i>	Date: <i>10/22/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)?      Yes <input checked="" type="radio"/> No Is the area a potential Problem Area?      Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR41A-552</i>

**VEGETATION**

Plant Community Classification: <i>Open Upland</i> Percent Canopy Cover:      Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Redstart</i>	<i>11</i>	<i>FACW+</i>	<i>9.</i>		
<i>2. Redstart</i>	<i>A</i>	<i>FACU-</i>	<i>10.</i>		
<i>3. Redstart</i>	<i>H</i>	<i>UPL*</i>	<i>11.</i>		
<i>4. C. Redstart</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Titmouse</i>	<i>H</i>	<i>FACU</i>	<i>13.</i>		
<i>6. Cowbird</i>	<i>H</i>	<i>UPL*</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Farmed Upland * not listed</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>76</i>  Depth to Saturated Soil (in.): <i>76</i>	
Remarks: <i>Recessed @ 6:00</i>	



ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	AP	10YR 3/2	10YR 5/6	large/fine bright	9.1 to 10mm (approx)

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wood farm</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>GCN/SLG</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 4/A/B-552</i>

**VEGETATION**

Plant Community Classification: <i>Upland</i> Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Poa sp</i>	<i>H</i>	<i>Unknown</i>	9.		
2. <i>cowitch</i>	<i>H</i>	<i>WPL*</i>	10.		
3. <i>Dandelion</i>	<i>H</i>	<i>WPL*</i>	11.		
4. <i>white clover</i>	<i>H</i>	<i>FACU-</i>	12.		
5. <i>si. buttercup</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Red clover</i>	<i>H</i>	<i>FACW+</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Hay ground. * NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>6</i>  Depth to Free Standing Water in Pit (in.): <i>&gt;6</i>  Depth to Saturated Soil (in.): <i>&gt;6</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/3	—	—	silty sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
rotational @ 6 inches

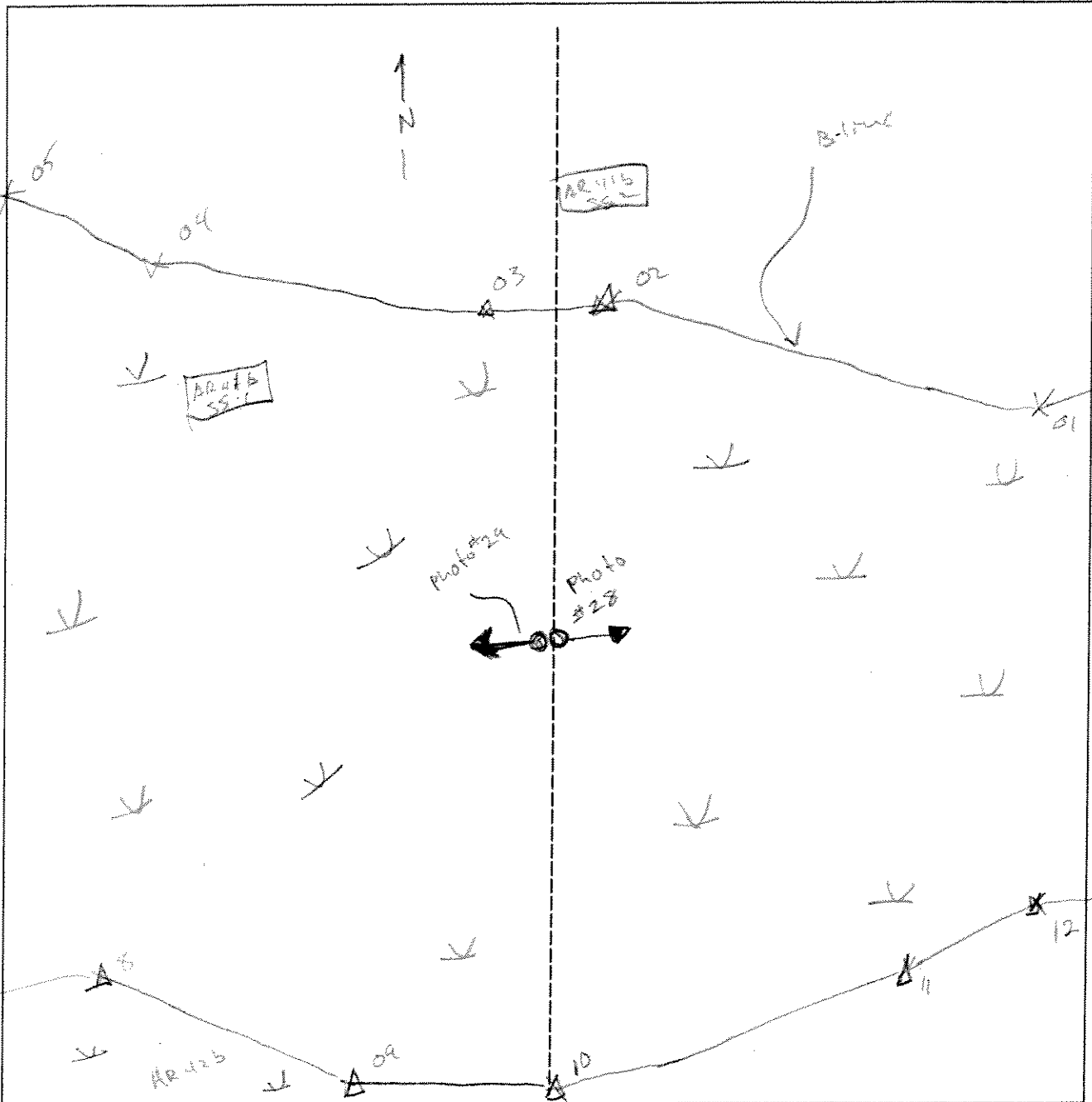
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No			
			Is this Sample Station Point Within a Wetland?	Yes	<input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes	<input checked="" type="radio"/> No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 41	<b>Date:</b> 10/12/05	<b>Time:</b> 11:00
<b>Initials of Delineators:</b> JG, GD	<b>Location:</b> Clinton	
<b>Roll #:</b> <b>Frames:</b> # 27		



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
- - -	Centerline
▽	Flag
∨	Wetland
	Upland
—	Stream
- - -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Windsor</i>	Date: <i>10/12/05</i>
Applicant/Owner: <i>Hudson</i>	County: <i>Clinton</i>
Investigator: <i>B.J. JB.</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 42A-551</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>PSS/PEM</i>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>30</i> Herb: <i>70</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky sedge</i>	<i>S</i>	<i>OBL</i>	9.		
2. <i>Cyperus tenuis</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Sagittaria</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Road canary</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>Carex sp.</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Carex spp.</i>	<i>H</i>	<i>Unknown</i>	14.		
7. <i>Sagittaria</i>	<i>S</i>	<i>FACW+</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2"</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>-</i>	
Remarks:	

ID: ~~110~~  
AR 42A - 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			fine
3-4	A	10YR 4/2	10YR 5/2	large / brown / bright	silty sand
4-12	A	10YR 4/2	10YR 5/2	many / bright / bright	fine brown streaks silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input checked="" type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
6-12" is silty sand with large bright mottles + organic streaking - saturated

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Forest</i>	Date: <i>10/12/05</i>
Applicant/Owner: <i>HORREN</i>	County: <i>Clinton</i>
Investigator: <i>J.B. G.D.</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR42B-551</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>PEM Farmed</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Blackberry</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>crabapple</i>	<i>H</i>	<i>FAC</i>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>4"</i>  Depth to Saturated Soil (in.): <i>2"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
7-6	AP	10YR 3/2	10YR 5/6	Many / Large / Bright	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Auger refusal!</i>					

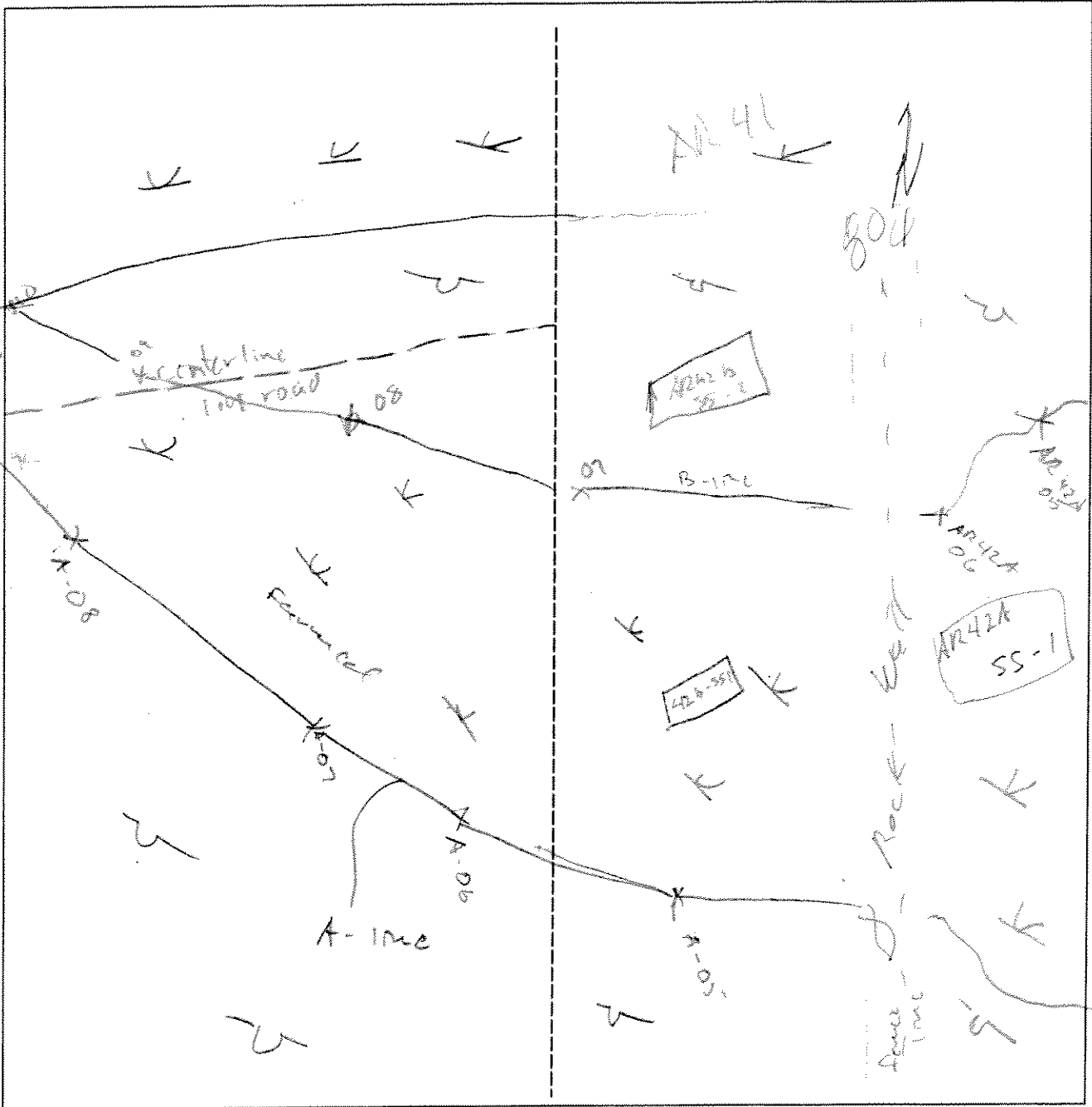
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No Is this an Isolated Wetland? <input type="radio"/> Yes <input checked="" type="radio"/> No
Remarks		



**SKETCH FORM**

Wetland ID/Route #: <i>AR 42 A/B</i>	Date: <i>10/12/05</i>	Time: <i>10:20</i>
Initials of Delineators: <i>W.D., J.G.</i>	Location: <i>Clinton AR T42P</i>	
Roll #:	Frames:	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GCD/JG</i>	Date: <i>10/12/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR434-A1A</i>

*5/14/21 (2021)*

**VEGETATION**

*Assumed from knowledge of area - 1987 wetland*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Area is a mix of FAC and FACW and upland species in bottom of old gravel pit</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12</i> Depth to Saturated Soil (in.): <i>&gt; 12</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/3	—	—	silty sand

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

soils do not exhibit hydric characteristics  
Photo # 28

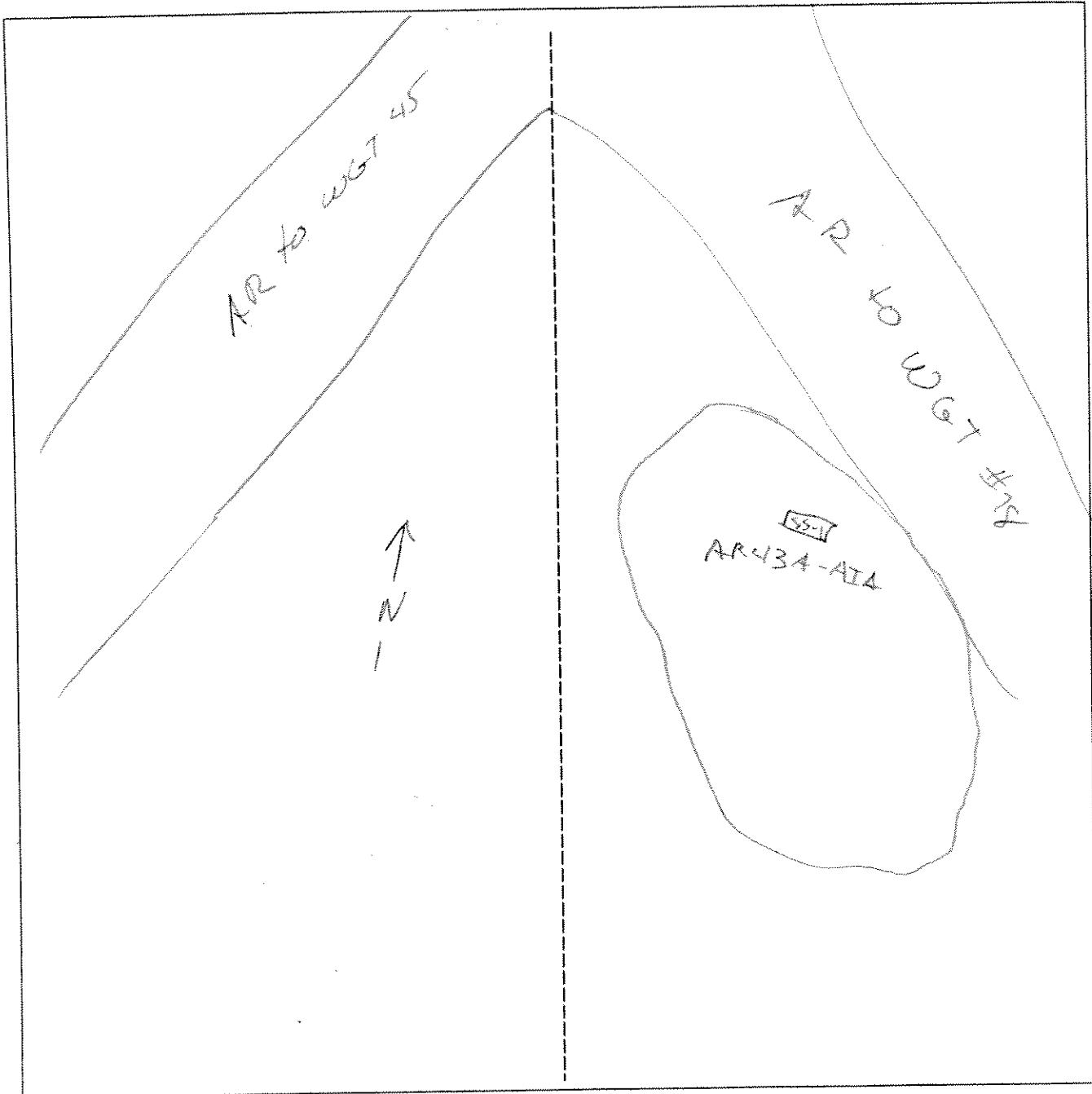
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes <del>No</del>
		Is this an Isolated Wetland?	Yes No

Remarks

SKETCH FORM

Wetland ID/Route #:	Date: 10/12/05	Time:
Initials of Delineators: GCD/SG	Location: AR to # 78	
Roll #:	Frames: GCD digital # 28	



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

Thru hole S  
W/10/05

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Wind Farm</i> Applicant/Owner: <i>Warren</i> Investigator: <i>LD, JB</i>	Date: <i>10/14/05 - 10:50</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>HR50A-551</i>

**VEGETATION**

Plant Community Classification: <i>PE/PSS</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>20</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster sp</i>	<i>H</i>	<i>unknown</i>	9. <i>B. Fl</i>	<i>S</i>	<i>FAC</i>
2. <i>Juncus sp</i>	<i>H</i>	<i>FACW+</i>	10.		
3. <i>N. Bugle wood</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>Carex sp</i>	<i>H</i>	<i>unknown</i>	12.		
5. <i>g. bullrush</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Creeping buttercup</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>woolgrass</i>	<i>H</i>	<i>FACW+</i>	15.		
8. <i>g. hick</i>	<i>S</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Isolated wet land caused by interrupted drainage on low relief of Road cut,</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>6"</i>  Depth to Free Standing Water in Pit (in.): <i>-</i>  Depth to Saturated Soil (in.): <i>-</i>	
Remarks: <i>connect flag #9 to flag #1</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A1	10YR 8/2	10YR 5/6	many / large / bright	silty sand M n cm
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks			
<p style="font-size: 2em; font-family: cursive;">photo 6 on disposable</p>			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Wisconsin</i>	Date: <i>10/14/05</i>
Applicant/Owner: <i>HORLEN</i>	County: <i>Clinton</i>
Investigator: <i>GD JB</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR60A-552</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>upland</i>	Tree: <input checked="" type="checkbox"/>	Shrub: <input type="checkbox"/>	Herb: <input type="checkbox"/>	Vine: <input checked="" type="checkbox"/>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>R. maple</i>	<i>S</i>	<i>FAC</i>	9.		
2. <i>B. G.</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Rubus sp</i>	<i>#</i>	<i>unknown</i>	11.		
4. <i>Aster sp</i>	<i>H</i>	<i>unknown</i>	12.		
5. <i>clubmoss</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>G. Birch</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>solidago sp</i>	<i>#</i>	<i>unknown</i>	15.		
8. <i>Yarrow</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6</i>  Depth to Saturated Soil (in.): <i>&gt; 6</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-4/3	-	-	silty tan
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

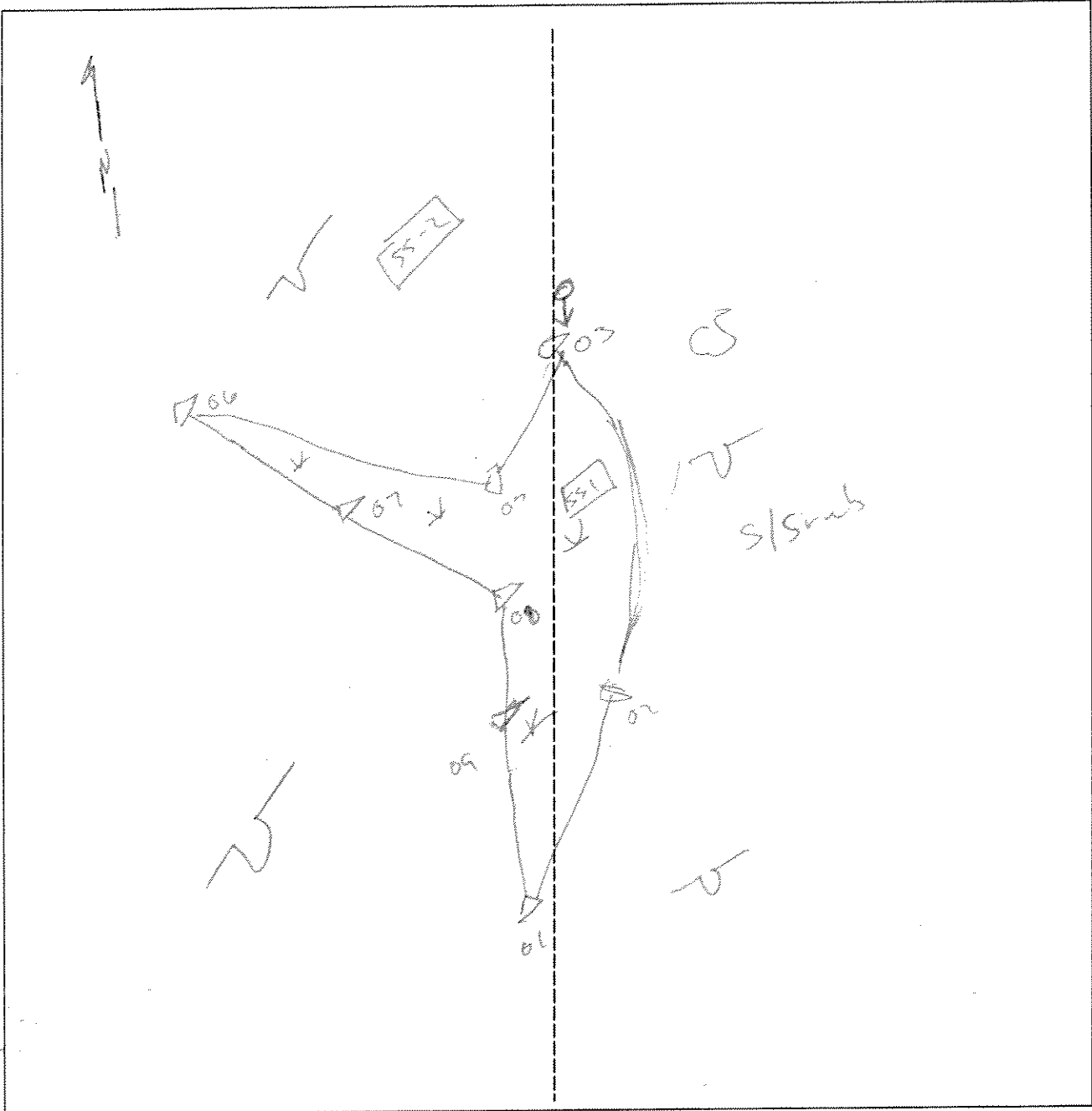
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes No
Remarks				



SKETCH FORM

Wetland ID/Route #: <i>AR 50A</i>	Date:	Time:
Initials of Delineators:	Location: <i>AR 50A-</i>	
Roll #: <i># 6</i> Frames: <i>on disposable</i>		



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Windfarm</i>	Date: <i>10/14/06 11:35</i>
Applicant/Owner: <i>HV&amp;P</i>	County: <i>Clinton</i>
Investigator: <i>W. JB</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>RR 50A-51</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>PSS/PER</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>50</i> Herb: <i>50</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Plant spike misc</i>	<i>H</i>	<i>OBL</i>	9. <i>Solidago geminata</i>	<i>H</i>	<i>FAC</i>
2. <i>Juncus</i>	<i>H</i>	<i>—</i>	10. <i>Northen hucklewood</i>	<i>H</i>	<i>OBL</i>
3. <i>salix sp</i>	<i>S</i>	<i>unknown</i>	11. <i>sphagnum</i>	<i>H</i>	<i>—</i>
4. <i>S. Birch</i>	<i>S</i>	<i>FAC</i>	12. <i>Chimaphila</i>	<i>H</i>	<i>FAC</i>
5. <i>B Fir</i>	<i>S</i>	<i>FAC</i>	13. <i>Carex sp.</i>	<i>H</i>	<i>unknown</i>
6. <i>SALIX</i>	<i>S</i>	<i>FACW</i>	14. <i>Carex sp.</i>	<i>H</i>	<i>unknown</i>
7. <i>Juncus effusus</i>	<i>H</i>	<i>FACW+</i>	15. <i>Rubus sp.</i>	<i>H</i>	<i>unknown</i>
8. <i>Carex sp</i>		<i>unknown</i>	16. <i>Path. rich</i>	<i>H</i>	<i>FAC-</i>
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>originates on west side of road with buffer continues eastward out of buffer</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>-</i>	
Remarks: <i>#7 disappearable</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1	10YR 7/6	large brown/bright	g/fine sand Ma co
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes
Hydric Soils Present?	Yes	No		Is this an Isolated Wetland?
Remarks photo #				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wn. STRAW</u>	Date: <u>10/14/05</u>
Applicant/Owner: <u>ARC 2003</u>	County: <u>Clinton</u>
Investigator: <u>JG. GD</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>AR61A-552</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: Upland

Percent Canopy Cover: Tree: 0 Shrub: \_\_\_\_\_ Herb: \_\_\_\_\_ Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar maple	S	FACW	9.		
2. D. FIL	S	FAC	10.		
3. G. Birch	S	FAC	11.		
4. Solidago	H	unknow	12.		
5. Rubus spp	H	unknow	13.		
6. Solidago geminata	H	FACW	14.		
7. Club moss		FAC	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%

Remarks:

**HYDROLOGY**

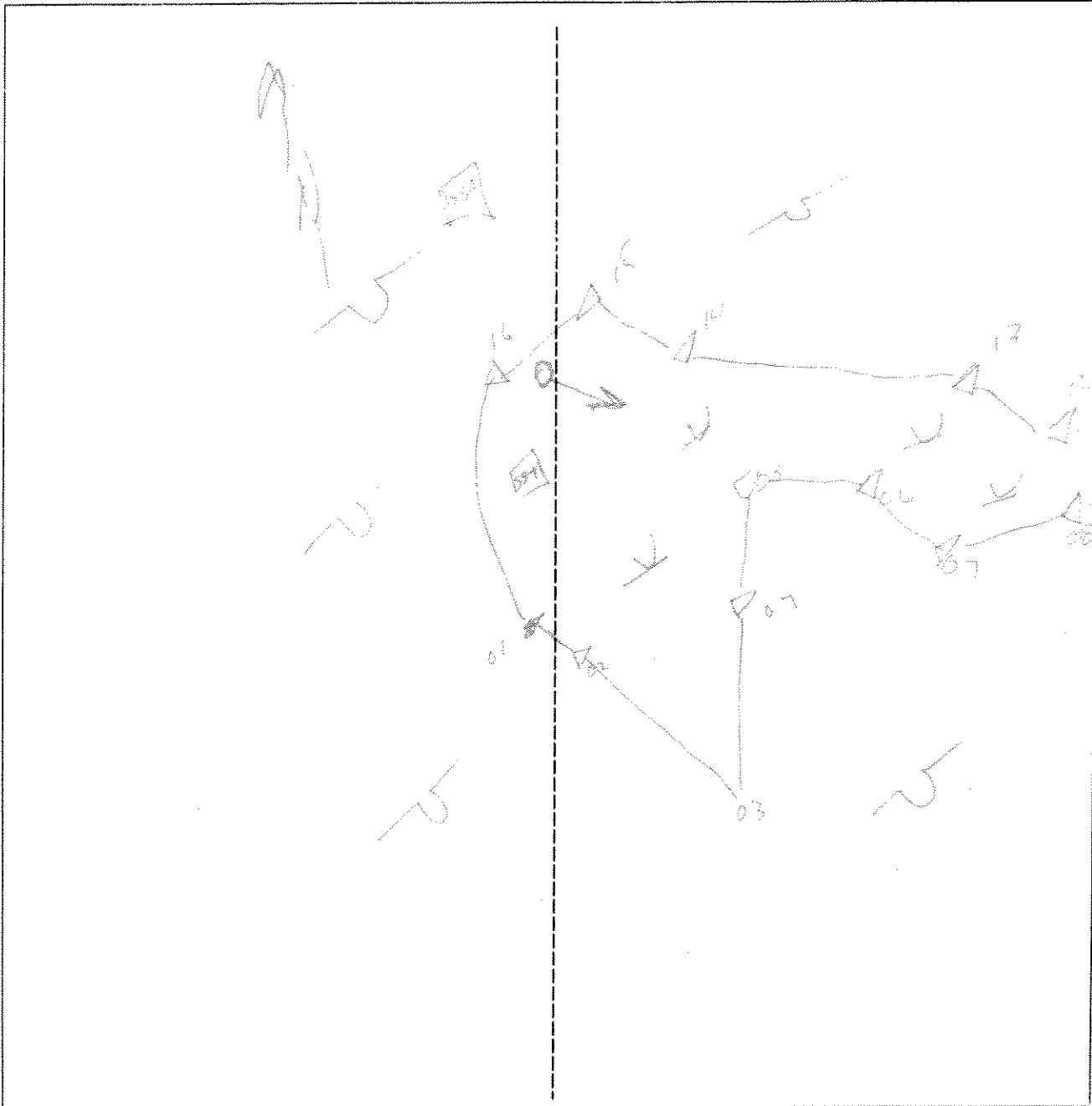
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 6</u>  Depth to Saturated Soil (in.): <u>&gt; 6</u>	
Remarks:	



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### SKETCH FORM

Wetland ID/Route #: AR 512	Date: 10/14/04	Time: 11:00
Intials of Delineators: C.D. J.G.	Location:	
Roll #: # 2512	Frames:	



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

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**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wetland</i> Applicant/Owner: <i>1102200</i> Investigator: <i>CHADLER, J.F.</i>	Date: <i>10/15/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 52A/B-551</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i>					
Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>50</i> Herb: <i>45</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spirea</i>	<i>H</i>	<i>FACW</i>	9. <i>Solidago sp</i>	<i>H</i>	<i>Unknown</i>
2. <i>Solidago quadrifida</i>	<i>H</i>	<i>FACW</i>	10. <i>Juncus sp</i>	<i>H</i>	<i>FACW</i>
3. <i>Beta</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Carex spp</i>	<i>H</i>	<i>Unknown</i>	12.		
5. <i>Spartina</i>	<i>H</i>	<i>—</i>	13.		
6. <i>Rubus</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>Rubus sp</i>	<i>V</i>	<i>Unknown</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>78%</i>					
Remarks: <i>Hummocky with areas of upland or hummocks interspersed with wetland areas total area 75% wet. Road interrupts drainage</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/1			lean
3-6	A	10YR 4/1	10YR 2/1	Man / large / black	silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
*Large manganese concretions*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		(Circle)	
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Windsor</i> Applicant/Owner: <i>Hunter</i> Investigator: <i>SD JB</i>	Date: <i>10/15/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 52-852</i>

**VEGETATION**

Plant Community Classification: <i>Upland</i> Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>0</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BAC</i>	<i>F</i>	<i>FAC</i>	9.		
2. <i>A Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>BAC</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>scrapping clubmoss</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>lady fern</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>grass</i>	<i>H</i>	<i>unknown</i>	14.		
7. <i>solidago</i>	<i>H</i>	<i>unknown</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>71%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i>  Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks:	

ID:

**SOILS**

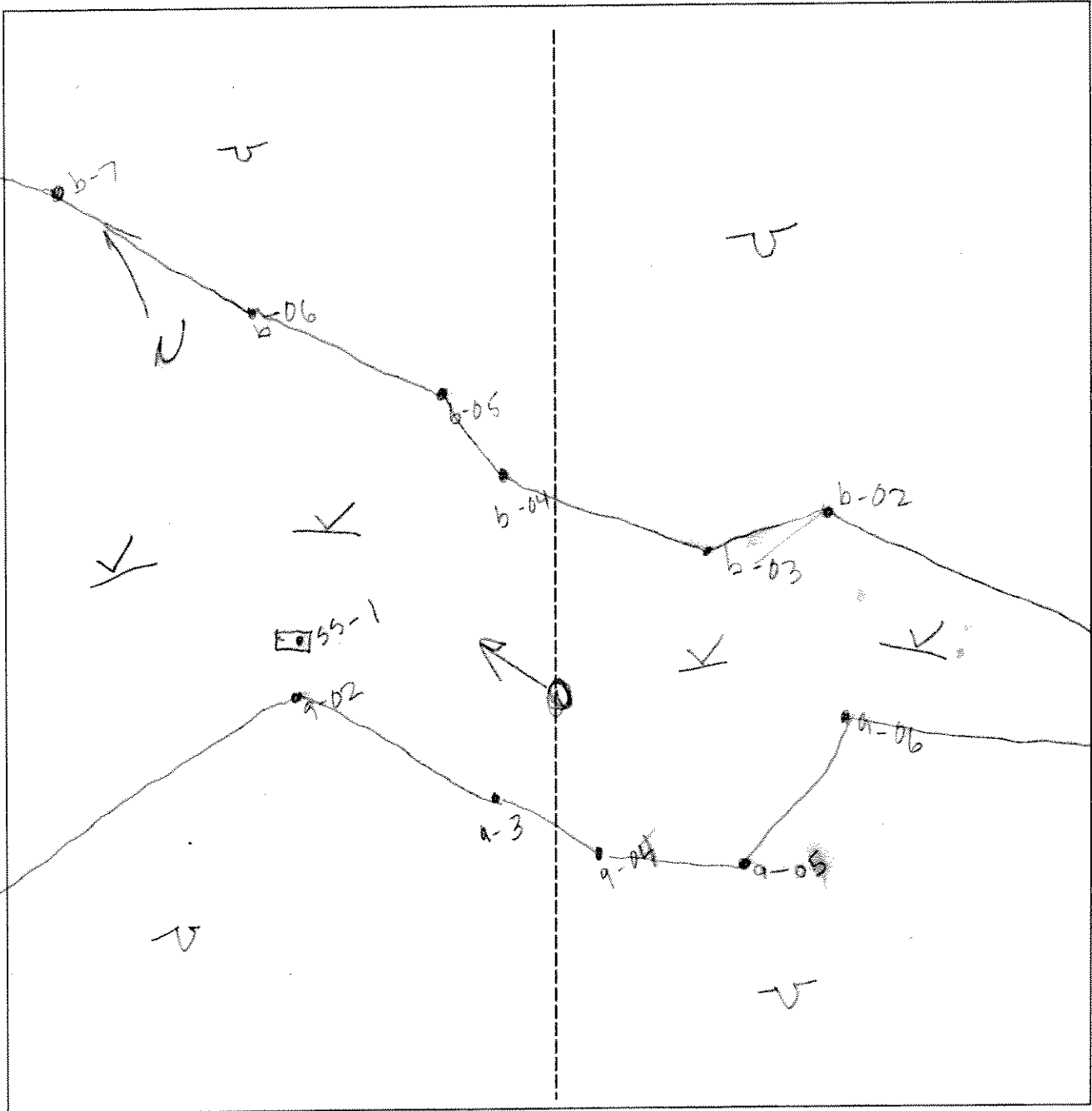
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3	10YR 5/6	small/bright	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>			
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AR 52A/B</i>	Date: <i>10/15/05</i> Time: <i>10:47</i>
Initials of Delineators: <i>GCO, JG, J. FARREN</i>	Location: <i>ALONG ACCESS RD TO T-31</i>
Roll #: _____	Frames: <i>DIGITAL FILE</i>



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

AR-53A  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLAYTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>W.H. FD</u>	Date: <u>10/17/05</u> County: <u>Clayton</u> State: <u>GA</u>
Do Normal Circumstances exist on the site?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR53A-551</u>

**VEGETATION**

Plant Community Classification: <u>PBM</u> Percent Canopy Cover:      Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus Effusus</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Carex Sp</u>		<u>FACW</u>	10.		
3. <u>Shallow sedge</u>		<u>FACW</u>	11.		
4. <u>Green Bullrush</u>		<u>FACW</u>	12.		
5. <u>Floating leaf hydrilla</u>		<u>FACW</u>	13.		
6. <u>Riddiing Sp.</u>		<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>photo # 35 on FD's camera looking South</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>1 in in places</u> Depth to Free Standing Water in Pit (in.): <u>0 in</u> Depth to Saturated Soil (in.): <u>&gt; 6 in</u>	
Remarks: <u>Has rained this morning. lots of runoff</u> <u>-false hydro-positives in places possible.</u>	

ID: AR53A

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR-4/2	10YR-5/8	Many large distinct	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Mn - mottles 10YR-2/1 color refusal of auger at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle) Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No	Is this an Isolated Wetland?	Yes	No
				Yes	No
Remarks					

AR53A  
Upland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Sen 2091</i> Investigator: <i>194 ED</i>	Date: <i>10/17/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR53A-552</i>

**VEGETATION**

Plant Community Classification: <i>100% Fungus grass field</i> Percent Canopy Cover:      Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Common Mountain</i>	↓	FACU	9.		
2. <i>Bull Thistle</i>		FACU-	10.		
3. <i>Creeping Buttercup</i>		FAC	11.		
4. <i>perennial Blue Grass</i>		FACU-	12.		
5. <i>Red clover</i>		FACU-	13.		
6. <i>Expansive dandelion</i>		FACU-	14.		
7. <i>White clover</i>		FACU-	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>14%</i>					
Remarks: <i>photo # 35 from Mountain road looks south</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>~1/2 inches</i>  Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

AR53A  
 ID: 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10BR-3/2	10BR-5/8	Many - small distinct	clay loam
6-12	Ap2	10BR-4/3	10BR-5/8	Few / small distinct	clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - refusal at 12 inches  
 - distric soil

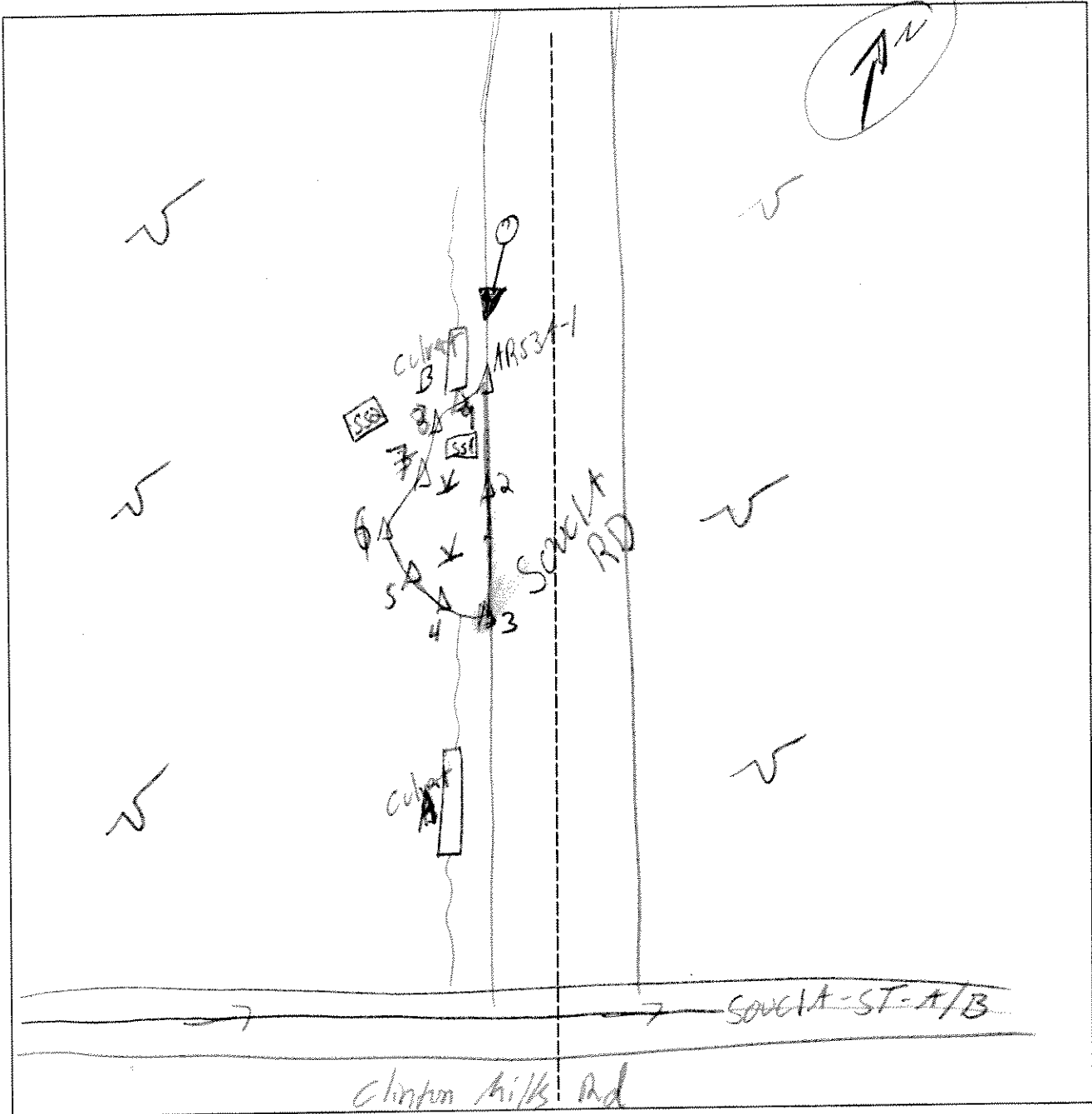
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Is this Sample Station Point Within a Wetland?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is this an Isolated Wetland?				Yes <input type="checkbox"/>	No <input type="checkbox"/>

Remarks

**SKETCH FORM**

Wetland ID/Route #: <i>AR53A</i>		Date: <i>10/17/05</i>	Time:
Initials of Delineators: <i>BSH, GD</i>		Location: <i>Clinton Co.</i>	
Roll #:	Frames:		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



AR 54A/B Wetland  
551

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLAYTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH G.D.</u>	Date: <u>10/17/05</u> County: <u>CLAYTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 54A-551</u>

**VEGETATION**

Plant Community Classification: <u>PEM</u> Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>85</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juniperus sp.</u>	<u>H</u>	<u>FACW</u>	9. <u>Grass</u>	<u>H</u>	<u>FAC</u>
2. <u>Juncus B. flexus</u>	<u>H</u>	<u>FACW</u>	10. <u>Grass</u>	<u>H</u>	<u>FAC</u>
3. <u>Green Bullrush</u>	<u>H</u>	<u>OBL</u>	11. <u>Grass</u>	<u>S</u>	<u>FAC</u>
4. <u>Solidago canadensis</u>	<u>H</u>	<u>OBL</u>	12. <u>Grass</u>		
5. <u>Roadside Plant</u>	<u>H</u>	<u>FACW</u>	13. <u>Grass</u>		
6. <u>Sedge sp.</u>	<u>H</u>	<u>OBL</u>	14. <u>Grass</u>		
7. <u>Cyperus lucida</u>	<u>H</u>	<u>FACW</u>	15. <u>Grass</u>		
8. <u>penstemon smartweed</u>	<u>H</u>	<u>FACW</u>	16. <u>Grass</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>78%</u>					
Remarks: <u>* not listed</u> <u>photo # 36 looks north</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>1 in in places</u> Depth to Free Standing Water in Pit (in.): <u>0 in</u> Depth to Saturated Soil (in.): <u>0 in</u>	
Remarks: <u>recent heavy rainfall</u>	

AR 51A/B

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	2.5YR-4/1	7.5YR-4/4	Many - medium - distinct	loamy clay
6-10	A <sub>1</sub>	2.5YR-5/1	7.5YR-3/4	Many - medium - distinct	loamy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Active grazing field - refusal of auger at 10 inches - Mn concretions					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

M54A/B  
UPI

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>CD, R/H</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>M54A/B-522</u>

**VEGETATION**

Plant Community Classification: <u>Open grass field</u> Percent Canopy Cover: Tree: <u>3%</u> Shrub: <u>5%</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Apple Tree</u>	T	UPLX	9.		
2. <u>Bunch Grass</u>	T	FACU	10.		
3. <u>Red Clover</u>	H	FACU-	11.		
4. <u>White Clover</u>		FACU-	12.		
5. <u>Common Geranium</u>		FACU-	13.		
6. <u>Burdock</u>		UPLX	14.		
7. <u>Poa sp</u>		unknown	15.		
8. <u>Creeping Buttercup</u>	V	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5%</u>					
Remarks: <u>Not listed</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>-</u>  Depth to Free Standing Water in Pit (in.): <u>-</u>  Depth to Saturated Soil (in.): <u>&gt; 6.0</u>	
Remarks: <u>None recorded</u>	

**SOILS**

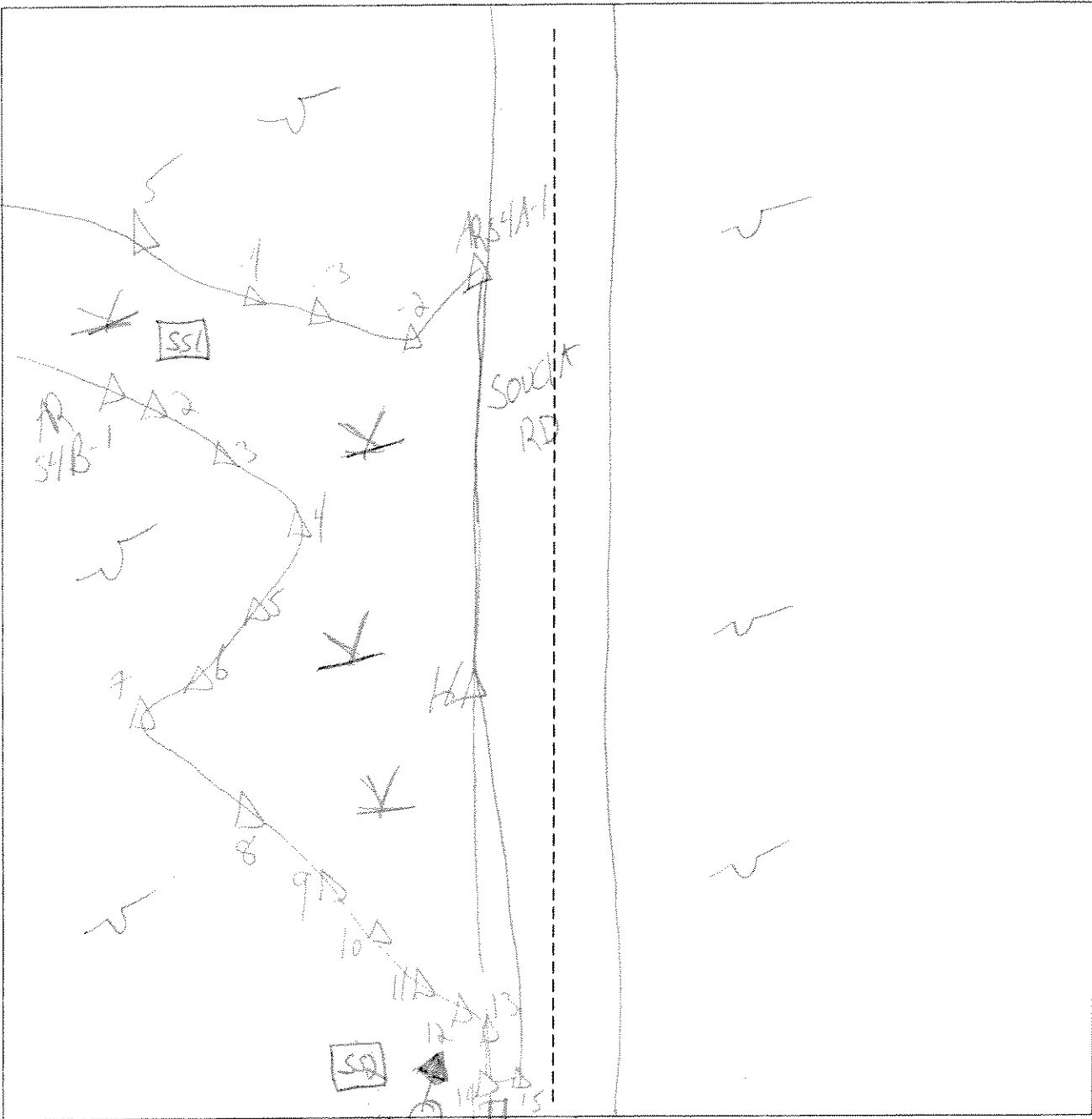
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR-7/3			Clay lean
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>refusal at 6 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes <u>No</u>
Remarks				

**SKETCH FORM**

Wetland ID/Route #: <i>AR 54/AB</i>	Date: <i>10/17/05</i>	Time:
Intials of Delineators: <i>BSH, CD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>Greggs camera photo # 36</i>	Frames:	



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

AR 55-1-16

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, CD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 55-1-16</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus Effusus</i>	H	FACW	9.		
2. <i>Green Bullrush</i>	↓	OBL	10.		
3. <i>Crooking Buttercup</i>	↓	FAC	11.		
4. <i>Flat Top Aster</i>	↓	FACW	12.		
5. <i>Sedum - Green Top</i>	↓	OBL	13.		
6. <i>NY Aster</i>	↓	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>- grazed wetland</i>   <i>pix # 37 GD's camera looks west</i> <i>- cattle trail through field</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3 in. in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0 - saturated at surface</i>	
Remarks: <i>heavy rains</i> <i>measured at 500 feet no...</i>	

AP 554-166

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-4/2	7.5YR-5/6	Many - med. size	clay loam
3-12	E	2.5Y-5/3	7.5YR-5/6		clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - refusal at 12 inches.  
- Iron concretions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No

Remarks

MSA-ep1  
552

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CANTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>SA, ED</u>	Date: <u>10/17/05</u> County: <u>Lincoln</u> State: <u>CO.</u>
Do Normal Circumstances exist on the site?      Yes <u>No</u> Is the site significantly disturbed (Atypical Situation)?    Yes <u>No</u> Is the area a potential Problem Area?                    Yes <u>No</u> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>MSA 512</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: <u>0%</u> Tree: <u>10%</u> Shrub:                    Herb: <u>100</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red clover</u>	↓	<u>FACU-</u>	9. <u>Blackberry</u>	<u>S</u>	<u>FACU</u>
2. <u>White clover</u>		10. <u>Rough hopy</u>	<u>S</u>	<u>FAC</u>	
3. <u>Woodruff</u>		<u>VPL*</u>			
4. <u>Con vetch</u>		<u>VPL*</u>			
5. <u>Common plantain</u>		<u>FACU</u>			
6. <u>Common duckweed</u>		<u>FACU-</u>			
7. <u>Timothy</u>		<u>FACU</u>			
8. <u>Poa sp</u>					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>10%</u>					
Remarks:                    * No. id					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>-</u>  Depth to Free Standing Water in Pit (in.): <u>12 in</u>  Depth to Saturated Soil (in.): <u>-</u>	
Remarks:                    water in bottom of pit	



AA 55A-552

**SOILS**

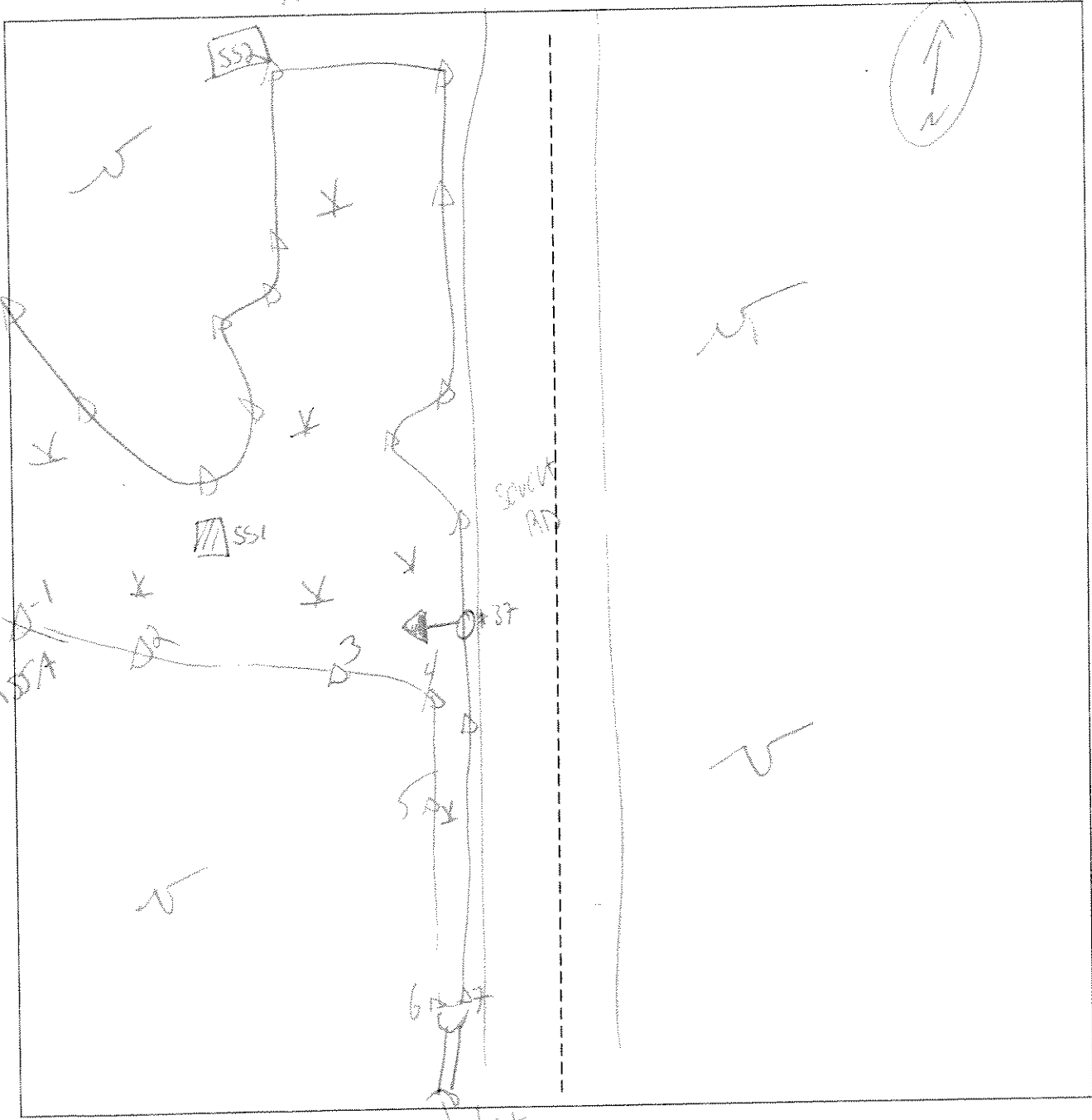
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10YR-3/2			Silty loam
2-9	A <sub>2</sub>	10YR-3/3			Silty loam
9-12	B	10YR-4/1			Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Earthworms present - refusal at 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AA55A</i>	Date: <i>10/17/05</i>	Time:
Initials of Delineators: <i>LSH G-D</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>PK#37</i>	Frames: <i>Greggs Canyon</i>	



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

AR 56A-591

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>W. FD</u>	Date: <u>10/17/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 56A-591</u>

**VEGETATION**

Plant Community Classification: <u>PBM</u>					
Percent Canopy Cover:      Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Geon. S. Marsh</u>	↑	OBL	9.		
2. <u>Fris. Versicolor</u>		OBL	10.		
3. <u>Wormwood</u>		FACWT	11.		
4. <u>Small E. Grass</u>		FACWT	12.		
5. <u>N. Blue wood</u>		OBL	13.		
6. <u>White Grass</u>	↓	-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>part to low pasture</u> <u>spreading by burning</u>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/> Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated in upper 12 inches          ___ Water Marks  <input checked="" type="checkbox"/> Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil Survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations:  Depth of Surface Water (in.): <u>2-3 in.</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0 at surface</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	2.5Y-4/2	7.5YR-5/8	Few-med. faint	brnny clay
6-18	A <sub>2</sub>	2.5Y-5/3	7.5YR-5/8	Many med. distinct	loamy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Mn-concretions					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR56A-552  
4pl

Project Site: <u>CLAYTON COUNTY</u> Applicant/Owner: <u>HORSESHOE</u> Investigator: <u>BH, GD</u>	Date: <u>10/17/05</u> County: <u>CLAYTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR56A-552</u>

**VEGETATION**

Plant Community Classification: <u>low pasture</u>					
Percent Canopy Cover:      Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>white clover</u>	<u>H</u>	<u>FACW-</u>	9.		
2. <u>Common dandelion</u>	<u>↓</u>	<u>FACW-</u>	10.		
3. <u>Poa sp.</u>	<u>↓</u>	<u>unknown</u>	11.		
4. <u>Common dandelion</u>	<u>↓</u>	<u>FACV</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>16</u>  Depth to Saturated Soil (in.): <u>14</u>	
Remarks:	

ID: A1564 552

**SOILS**

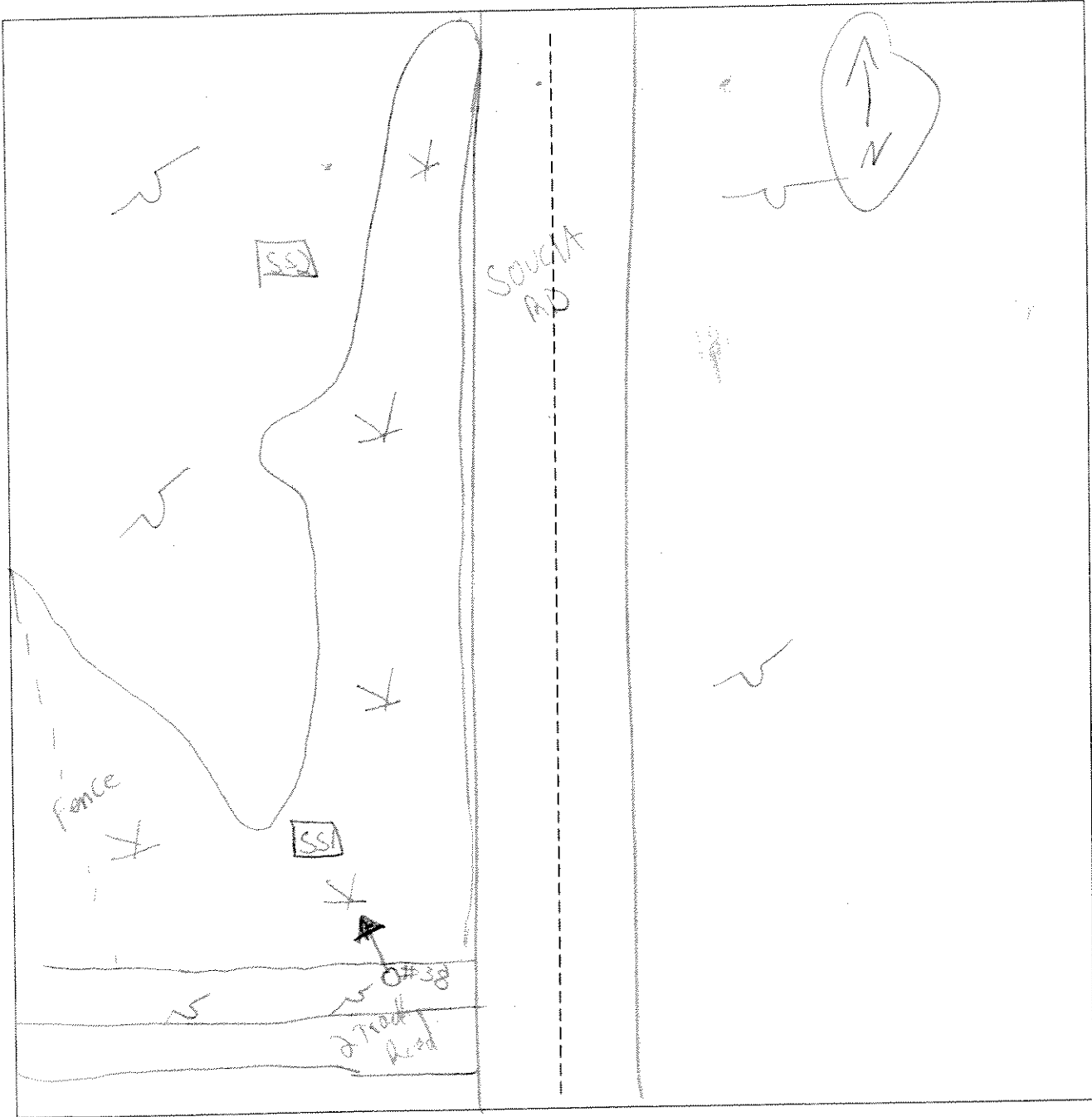
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A <sub>1</sub>	10Y1A-4/4	7.5Y1A-5/6	Few/med/distinct	loamy clay
8-15	A <sub>2</sub>	10Y1A-4/3	7.5Y1A-5/6	Many/med/distinct	loamy clay
15-18	A <sub>3</sub>	7.5Y1A-5/1	7.5Y1A-5/8	Many/med/distinct	loamy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Mn + Fe concretions					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input type="radio"/> No		
Hydric Soils Present?	Yes	<input type="radio"/> No		
Is this Sample Station Point Within a Wetland?				Yes <input type="radio"/> No <input checked="" type="radio"/>
Is this an Isolated Wetland?				Yes <input type="radio"/> No <input type="radio"/>
Remarks				

### SKETCH FORM

<b>Wetland ID/Route #:</b> 2256.7	<b>Date:</b> 10/17/05 <b>Time:</b>
<b>Initials of Delineators:</b> bill GO	<b>Location:</b> Clinton Co.
<b>Roll #:</b> #38 <b>Frames:</b> -Geog's Cabin	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR 57 A/B  
 WL  
 SSI

Project Site: <u>CANTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>ISA GD, JG</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR57A/B-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PEN/SS</u>					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>30</u>	Herb: <u>100</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex livida</u>	<u>H</u>	<u>OBL</u>	9. <u>Arrow leaf Bay Thumb</u>	<u>H</u>	<u>OBL</u>
2. <u>wool grass</u>		<u>FACW+</u>	10. <u>Juncus weed</u>	<u>H</u>	<u>FACW</u>
3. <u>Fowl Manna Grass</u>		<u>OBL</u>	11. <u>Soft Rush</u>	<u>H</u>	<u>FACW+</u>
4. <u>Duck weed</u>		<u>OBL</u>	12. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>
5. <u>NY Aster</u>		<u>FACW+</u>	13. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>
6. <u>Sensitive Fern</u>		<u>FACW</u>	14.		
7. <u>Spirea latifolia</u>	<u>↓</u>	<u>FAC+</u>	15.		
8. <u>Beak willow</u>	<u>S</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Part of Cow pasture - grazed land</u> <div style="border: 1px solid black; padding: 5px; width: fit-content;">           GD's camera pit # 39 looks East            # 40 looks West         </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6 inches</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Recent heavy rainfall (within 12 hours)</u>	



MS 7A/B 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR-3/1			Sandy clay loam
5-16	A	10YR-4/2			clay loam
16-18	E <sub>2</sub>	2.5Y-3/3	7.5YR-5/6	few/fine/distinct	Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> No
Remarks				

AR 57 A/B  
SS2  
opl

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Cattaraugus County</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH, GD, JB</u>	Date: <u>10/17/05</u> County: <u>CATTARAUGUS</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)?    Yes <input type="radio"/> No Is the area a potential Problem Area?                    Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 57 A/B</u>

**VEGETATION**

Plant Community Classification: <u>Cow Grazing Pasture</u>					
Percent Canopy Cover:      Tree: <u>0</u> Shrub: <u>10</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Poa sp.</u>	<u>H</u>	<u>unknown</u>	9.		
2. <u>Timothy Phragmites</u>	<u>J</u>	<u>FACU</u>	10.		
3. <u>Common Yarrow</u>	<u>J</u>	<u>FACU</u>	11.		
4. <u>Trifolium repens</u>	<u>J</u>	<u>FACU-</u>	12.		
5. <u>Sugar Maple</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>American Elm</u>	<u>S</u>	<u>FACW-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>17%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 16 in</u>  Depth to Saturated Soil (in.): <u>&gt; 16 in</u>	
Remarks: <u>Heavy recent rainfall within 12 hours</u>	

Apr 57-1/B  
SS2 - upL

**SOILS**

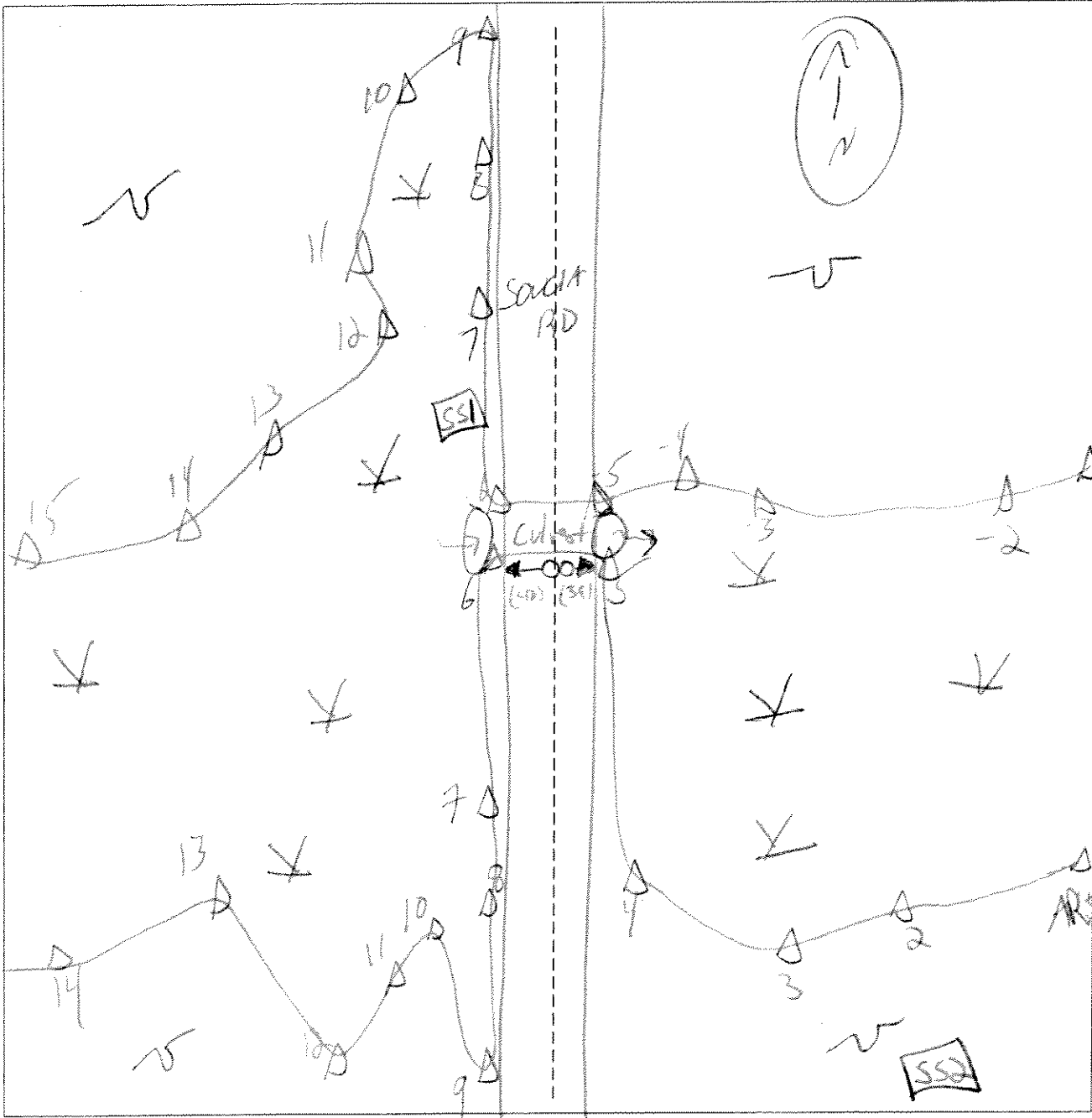
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR-4/3			sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal 16 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
Remarks					

SKETCH FORM

Wetland ID/Route #: <i>AR57A/B</i>	Date: <i>10/17/05</i>	Time:
Initials of Delineators: <i>GH, GD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>GCD Digital</i>	Frames: <i>39 (east) 40 (west)</i>	



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

W. S. W.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>COLUMBIA COUNTY</u> Applicant/Owner: <u>HOLLIS</u> Investigator: <u>KH GD JG</u>	Date: <u>10/18/05</u> County: <u>SUMNER</u> State: <u>ND</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AK 58A-391</u>

**VEGETATION**

Plant Community Classification: <u>PP0/PSS</u> Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>80</u> Herb: <u>100</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Elm</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Silky Willow</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Flat top Aster</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Poa sp.</u>	<u>H</u>	<u>unknown</u>	14.		
7. <u>White Thistle</u>	<u>V</u>	<u>FACW</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>pit #42 looks w</u> <u>on GDS camera</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2 in</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>recent heavy rainfall in last 12 hours</u>	

ID: 1A531 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-3/1			silt loam
8-12	A <sub>1</sub>	10YR-3/1			clay loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 12 inches.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No		(Circle)	
Wetlands Hydrology Present?	Yes No			
Hydric Soils Present?	Yes No			
			(Circle)	
				Yes No
				Yes No
Remarks				

AR58A/B  
upl

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Applicant/Owner: [unclear] Investigator: K.H. C.D., J.G.	Date: 10/18/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR58A/B-552

**VEGETATION**

Plant Community Classification: *open clearing - clear/young forest*

Percent Canopy Cover: Tree: *60* Shrub: *30* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T	FACU	9. Red clover	H	FACU-
2. Black Cherry	T	FACU	10. Cow vetch	H	UPL
3. Gray Birch	T	FAC	11. Lake Goldenrod	H	FACW
4. Black Cherry	S	FACU	12. Timothy	H	FACU
5. Gray Birch	S	FAC	13. Bristly Nettle	H	
6. Gray Birch	H	FAC	14.		
7. Solidago canadensis	H	UPL*	15.		
8. White clover	H	FACU-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *31%*

Remarks: *- upland plot for MSB. + and B wetlands*  
*- recently logged*  
*\* US data Lake Erie plot*  
*plot for AR 58A + B 10/93*  
*\* not listed*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input checked="" type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated in upper 12 inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>N/A</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>&gt; 18"</i></p> <p>Depth to Saturated Soil (in.): <i>&gt; 18"</i></p>	
<p>Remarks:</p>	

AR58A/B  
up/csa

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A <sub>1</sub>	10YR-8/2			clay loam
12-18	A <sub>2</sub>	10YR-3/2			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>distrubal soil from logging tracks</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No		(Circle)
			Is this Sample Station Point Within a Wetland?	Yes <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">No</span>
Remarks				



AR58B-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Huron</i> Investigator: <i>KH, GD, JG</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR58B-533</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>60</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SITKA willow</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Flat top Asks</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Arrow leaf Fern thimb</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Carex Vulpina</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>red Canary Grass</i>	<i>H</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* Can't cross fence, so data point soils are taken along roadside ditch - GPS points collected using offset</i> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <i>pit # 41 on GD's Cam on 10/18/05 East</i> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <i>in places</i> <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>1 inch in places</i> Depth to Free Standing Water in Pit (in.): <i>12</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Heavy rainfall within past 24 hours</i>	

ID: AR58B-553

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR-2/1			Silt loam
14-18	E	3Y-5/2			Sandy clay loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

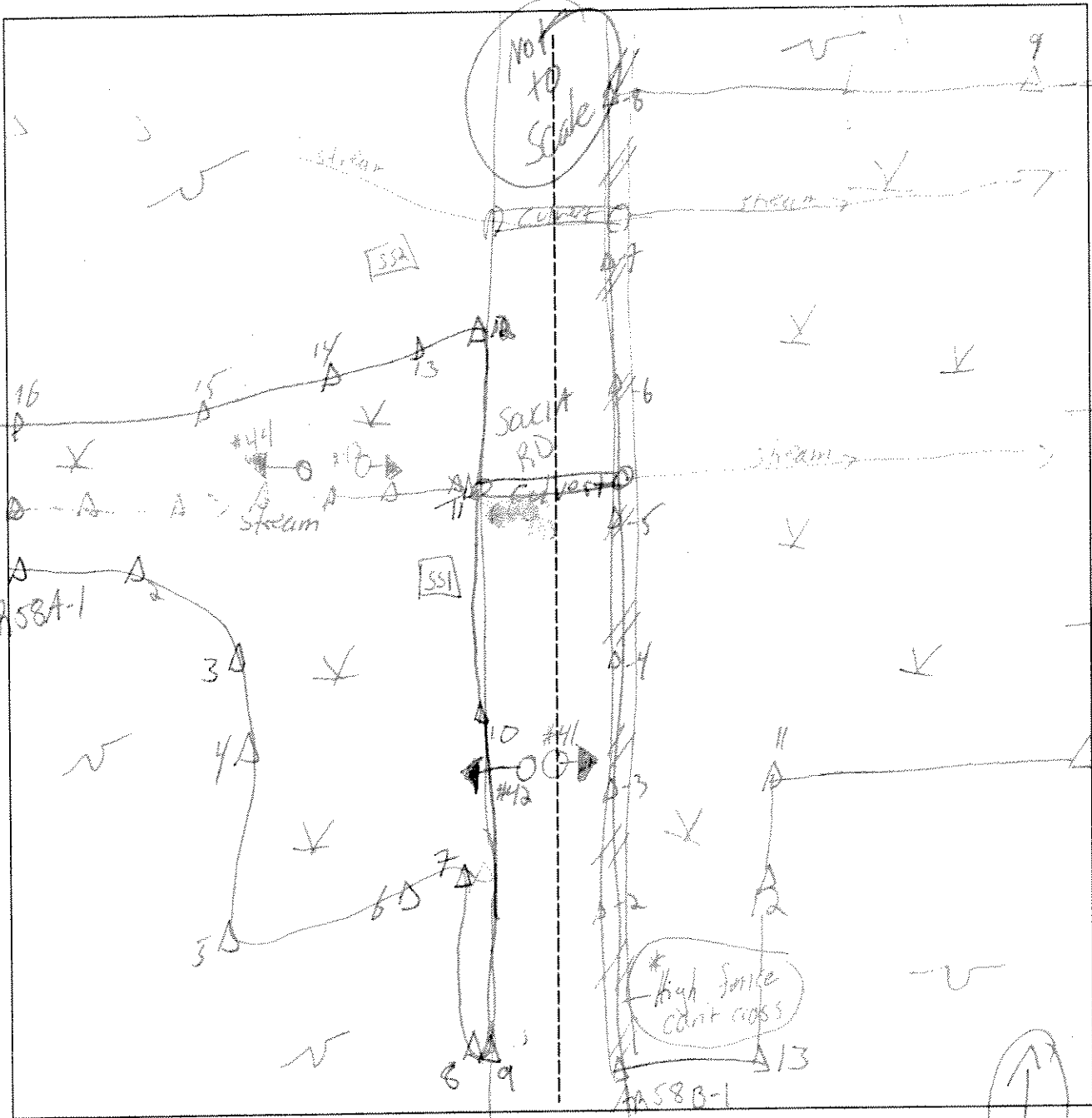
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR58A/B	<b>Date:</b> 10/18/05	<b>Time:</b>
<b>Initials of Delineators:</b> KH, GD	<b>Location:</b>	
<b>Roll #:</b> 41, 42 on Gregg's Camera <b>Frames:</b> 41/13 shows stream		



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR59A  
WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Platram</i> Investigator: <i>SK, GD, JB</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR59A-SS1</i>

**VEGETATION**

Plant Community Classification: *PSS*  
Percent Canopy Cover: Tree: *20* Shrub: *70* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Birch</i>	<i>S</i>	<i>FAC</i>	9. <i>Carex lasida</i>	<i>H</i>	<i>OBL</i>
2. <i>Red Willow</i>	<i>S</i>	<i>FACW</i>	10. <i>Platanus acerifolia</i>	<i>FACW</i>	<i>FACW</i>
3. <i>Spotted Alder</i>	<i>S</i>	<i>FACW+</i>	11.		
4. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Common Cutgrass</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Solidago canadensis</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Brown Fox Sedge</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *Photo #46 on Greg's camera looks w*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2 in flowing</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent heavy rain in last 12 hours</i>	



AR59A  
vpl

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MOE Team</i> Investigator: <i>ISH, GD</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR59A-552</i>

**VEGETATION**

Plant Community Classification: *upland forest*  
Percent Canopy Cover: Tree: *95* Shrub: *10* Herb: *10* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer saccharum</i>	T	FACU-	9. <i>Rubus</i> sp.	H	unbrn
2. <i>Gray Birch</i>	T	FAC	10. <i>Matricaria Chamomile</i>	H	vpl
3. <i>Basswood</i>	T	FACV	11.		
4. <i>American Beech</i>	S	FACV	12.		
5. <i>Cyanus Ash</i>	S	FACW	13.		
6. <i>Basswood</i>	S	FACV	14.		
7. <i>Acer saccharum</i>	S	FACU-	15.		
8. <i>Carex</i> sp.	H	unbrn	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *30%*

Remarks: *pt # 46 on 6/15/05 Clinton County W*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks: <i>refused to go 6 inches</i>	

MS9A  
SS2  
Cup1

**SOILS**

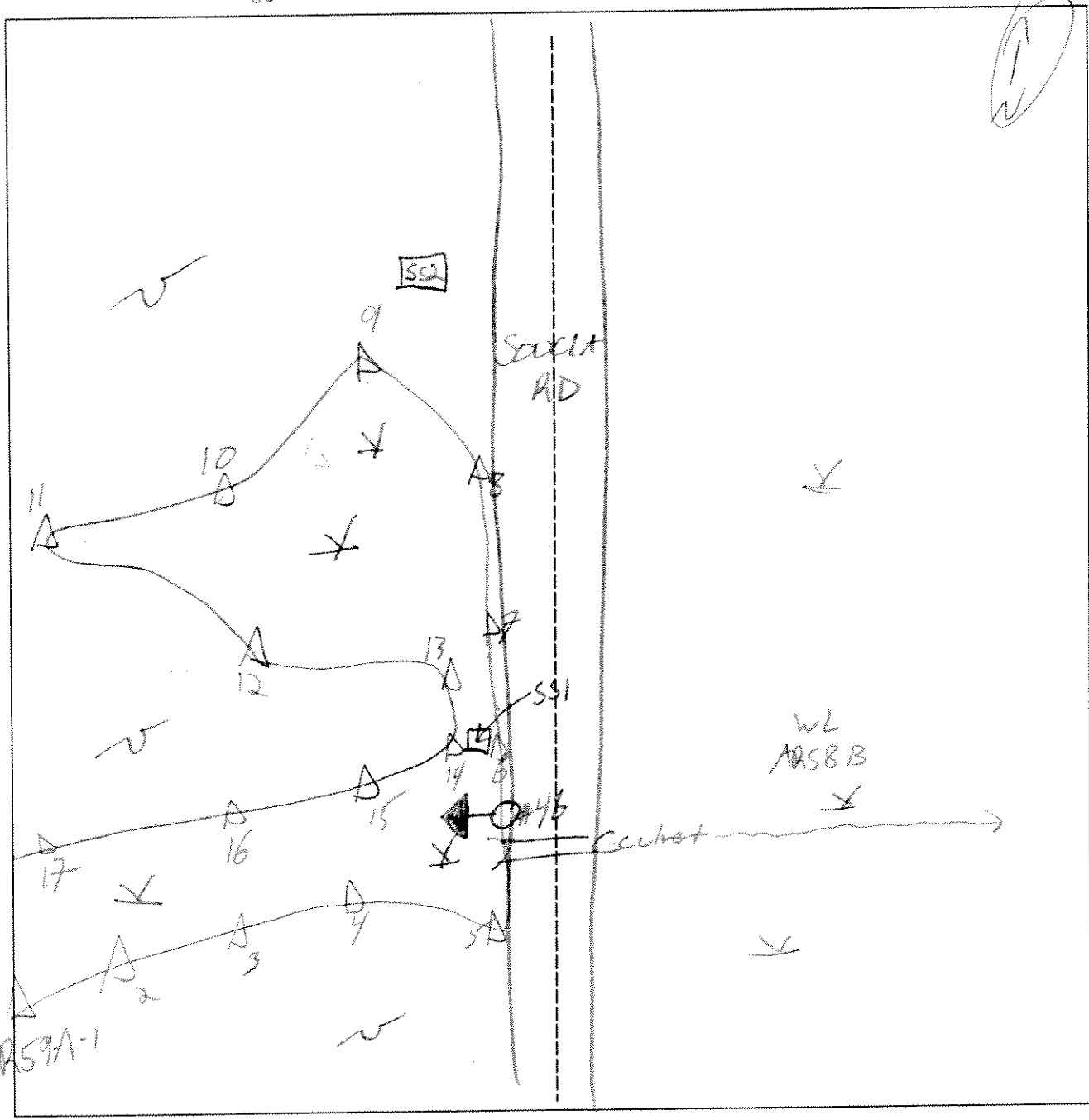
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/2			clay lam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>refused at 6 in.</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks				

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR59A	<b>Date:</b> 10/18/05 <b>Time:</b>
<b>Initials of Delineators:</b> KHT, GD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b> 46 on Greg's Camera	



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
V	Wetland
~	Upland
—	Stream
- - -	Intermittent Stream



AR60A  
WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>R. Moran</i> Investigator: <i>JH, FD, JB</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR60A-SS1</i>

**VEGETATION**

Plant Community Classification: *PFO*  
Percent Canopy Cover: Tree: *60* Shrub: *90* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bow Willow</i>	<i>S</i>	<i>FACW</i>	9. <i>Carex Vulpinoides</i>	<i>H</i>	<i>OBL</i>
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10. <i>Carex Torida</i>	<i>H</i>	<i>OBL</i>
3. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	11. <i>Sett. wool Grass</i>	<i>H</i>	<i>FACWT</i>
4. <i>American Elm</i>	<i>T</i>	<i>FAC</i>	12. <i>Juncus Effusus</i>	<i>H</i>	<i>FACWT</i>
5. <i>Silky Willow</i>	<i>S</i>	<i>FACW</i>	13. <i>Spiraea latifolia</i>	<i>H</i>	<i>FACWT</i>
6. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	14. <i>Iris versicolor</i>	<i>H</i>	<i>OBL</i>
7. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	15.		
8. <i>Flat top Asar</i>	<i>H</i>	<i>FACW</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *use photo # 49 G.D.'s same as top of W*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			Sandy loam
6-8	A	7.5YR-2.5/1	7.5YR-5/8	Many/Very distinct	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 8 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

*AR60A  
vpl*

Project Site: <i>Clinton Downs</i> Applicant/Owner: <i>Richard</i> Investigator: <i>KA GD, JG</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR60A-SS2</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>use AR59A-SS2 vplund plot for the data set</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

**SOILS**

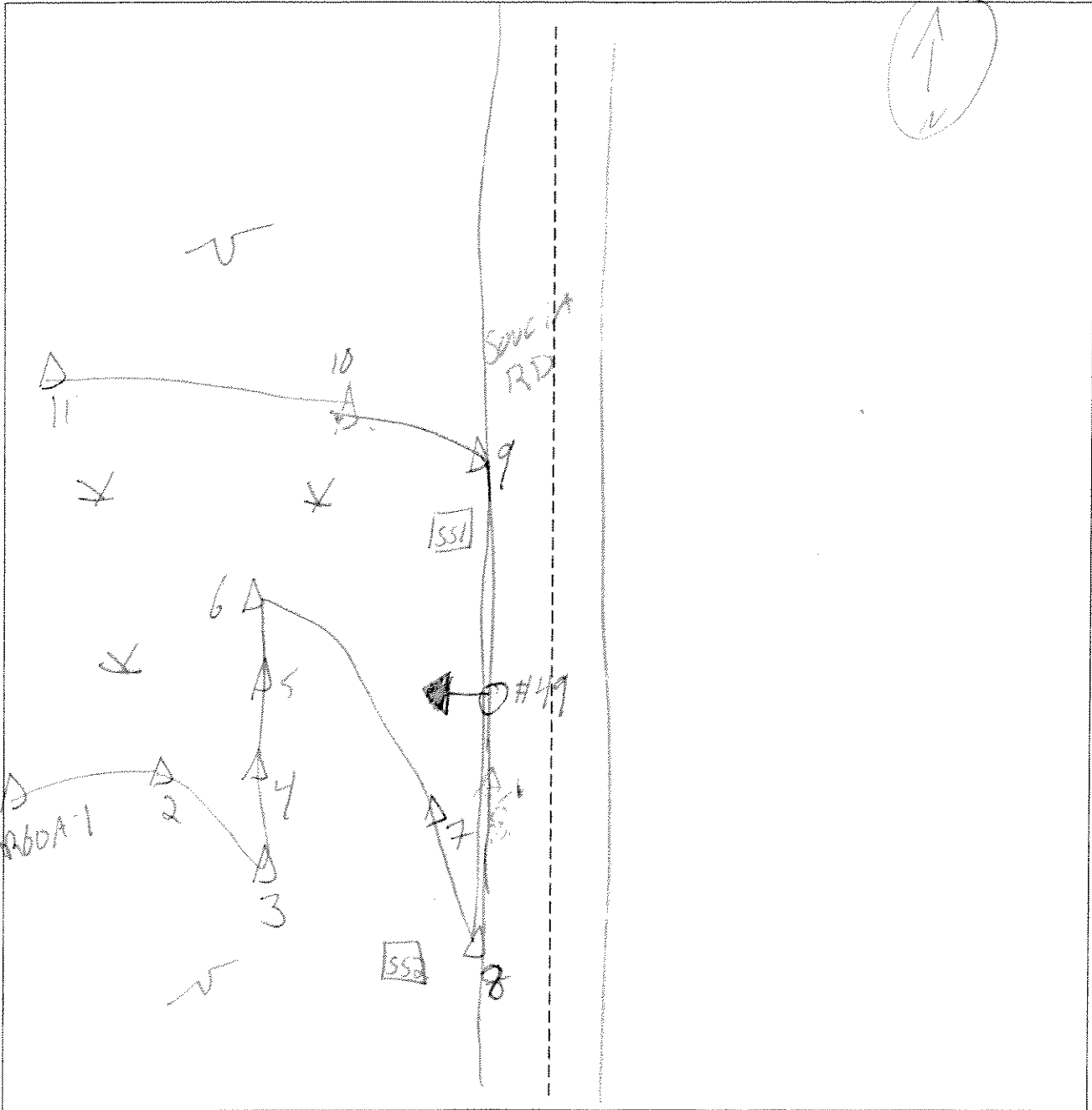
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AR60A</i>	Date: <i>10/18/05</i>	Time:
Initials of Delineators: <i>SH, JD, JG</i>	Location:	
Roll #: <i>49 on Gegg's camera</i>	Frames:	



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

AR 61A  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Applicant/Owner: [unclear] Investigator: KH, BD	Date: 10/18/05 County: Oneida State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR 61A-551

**VEGETATION**

Plant Community Classification: PC 1A Percent Canopy Cover: Tree: 40 Shrub: 20 Herb: 90 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex lasiocarpa	H	OBL	9.		
2. Wool Grass	H	FACW	10.		
3. N. Bank weed	H	OBL	11.		
4. Sensitive Fern	H	FACW	12.		
5. Linden Tree	S	FACV	13.		
6. Sugar Maple	S	FACV	14.		
7. Linden	T	FACV	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%					
Remarks: photo # 50 on GDI's camera looks N					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 4 in Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks: recent heavy rain in last 24 hours	

AR 514  
WL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-3/1			Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *refused at 4 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No

Remarks

AR 61A  
vpl

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MARTIN</i> Investigator: <i>K.A. BD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 61A-552</i>

**VEGETATION**

Plant Community Classification: *upland forest*  
Percent Canopy Cover: Tree: *90* Shrub: *40* Herb: *20* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Linden (Arceuthobium)</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Acer saccharum</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Linden (Arceuthobium)</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Acer saccharum</i>	<i>H</i>	<i>FACU</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0*

Remarks: *photo # 50 GPS location shows 551, 552*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6in</i> Depth to Saturated Soil (in.): <i>&gt; 6in</i>	
Remarks: <i>recent heavy rainfall within last 24 hours</i>	



AR61A  
WL

**SOILS**

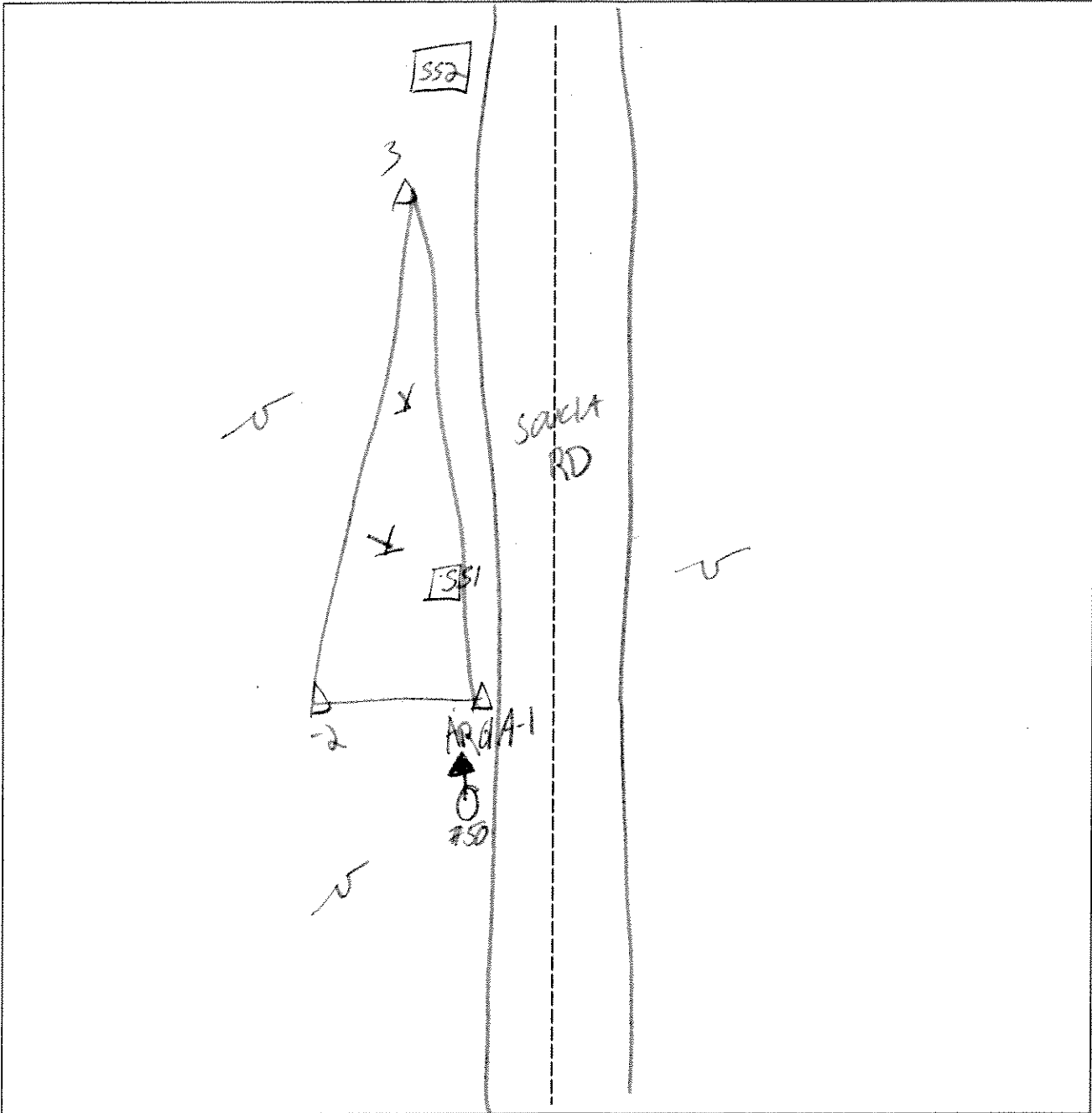
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	7.5/10-2/1			clay lam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: - lots of roots and earthworms in soil - refusal at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AR 61A</i>	Date: <i>10/18/05</i>	Time:
Initials of Delineators: <i>BH GD</i>	Location:	
Roll #: <i>50 on Greg's camera</i>	Frames:	



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

AR 62 + wk

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HURON</i> Investigator: <i>KH, GD, JG</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 62A-551</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>40</i> Shrub: <i>20</i> Herb: <i>100</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9. <i>Solidago gigantea</i>	<i>H</i>	<i>FACW</i>
2. <i>Peucedanum</i>	<i>S</i>	<i>FACW</i>	10. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>
3. <i>Silphium</i>	<i>S</i>	<i>OBL</i>	11. <i>Phlox pilularis</i>	<i>H</i>	<i>FACW</i>
4. <i>Asarum</i>	<i>T</i>	<i>FAC</i>	12.		
5. <i>Thalictrum</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Bone Set</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Common Mullein</i>	<i>H</i>	<i>UDL*</i>	15.		
8. <i>Large Leaf Goldenrod</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>91%</i>					
Remarks: <i>photo # 51 on GD. Large beds ✓</i>  <i>* NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>Avg. 6 in.</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

AR 2A- WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	<u>Q</u>	10YR 2/2	—	—	loam / peat
6-9	A	10YR 2/2	—	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal @ 8 in</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	(Circle) Yes No
Remarks				

AR 62B-SS1  
WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MUSEUM</i> Investigator: <i>GD, KH, JG</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 62B-SS1</i>

**VEGETATION**

Plant Community Classification: <i>P95</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>50</i> Herb: <i>40</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	<i>T</i>	<i>FAC</i>	9.		
2. " "	<i>S</i>	<i>FAC</i>	10.		
3. <i>Populus tremula</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Populus tremula</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Spiraea latifolia</i>	<i>H</i>	<i>FAC+</i>	13.		
6. <i>Phalaris amabilis</i>	<i>H</i>	<i>FACWT</i>	14.		
7. <i>Iris ciliaris</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Eupatorium sp. foliatum</i>	<i>H</i>	<i>FACWT</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>photo # 52 GD's camera looks East</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>Act. 6"</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

ID: AA 62 B - WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
6-3	O	10YR 3/2			finas
3-13	A	10YR 4/2	10Y-5/2	many/coarse	sandy c/p 1/2 Fe
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Fe concretions					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

AR 62 A/B  
UPL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wood</i>	Date: <i>10/19/05</i>
Applicant/Owner: <i>HOLDEN</i>	County: <i>Clinton</i>
Investigator: <i>KA, GD, JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: Transect ID: Plot ID: <i>AR 62 A/B-552</i>

**VEGETATION**

Plant Community Classification: *Upland*  
 Percent Canopy Cover: Tree: *99* Shrub: Herb: */* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Asclepias tuberosa</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>II</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>Erigeron grandifolius</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Desmodium illinoense</i>	<i>H</i>	<i>FACU</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>surface</i> Depth to Saturated Soil (in.): <i>surface</i>	
Remarks: <i>Recent heavy rains resulting in false positive for hydrology</i>	

ID: AR 62 A/B vpl

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10Y 3/1	—	—	silky loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils			
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List			
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List			
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal @ 4 inches</i>					

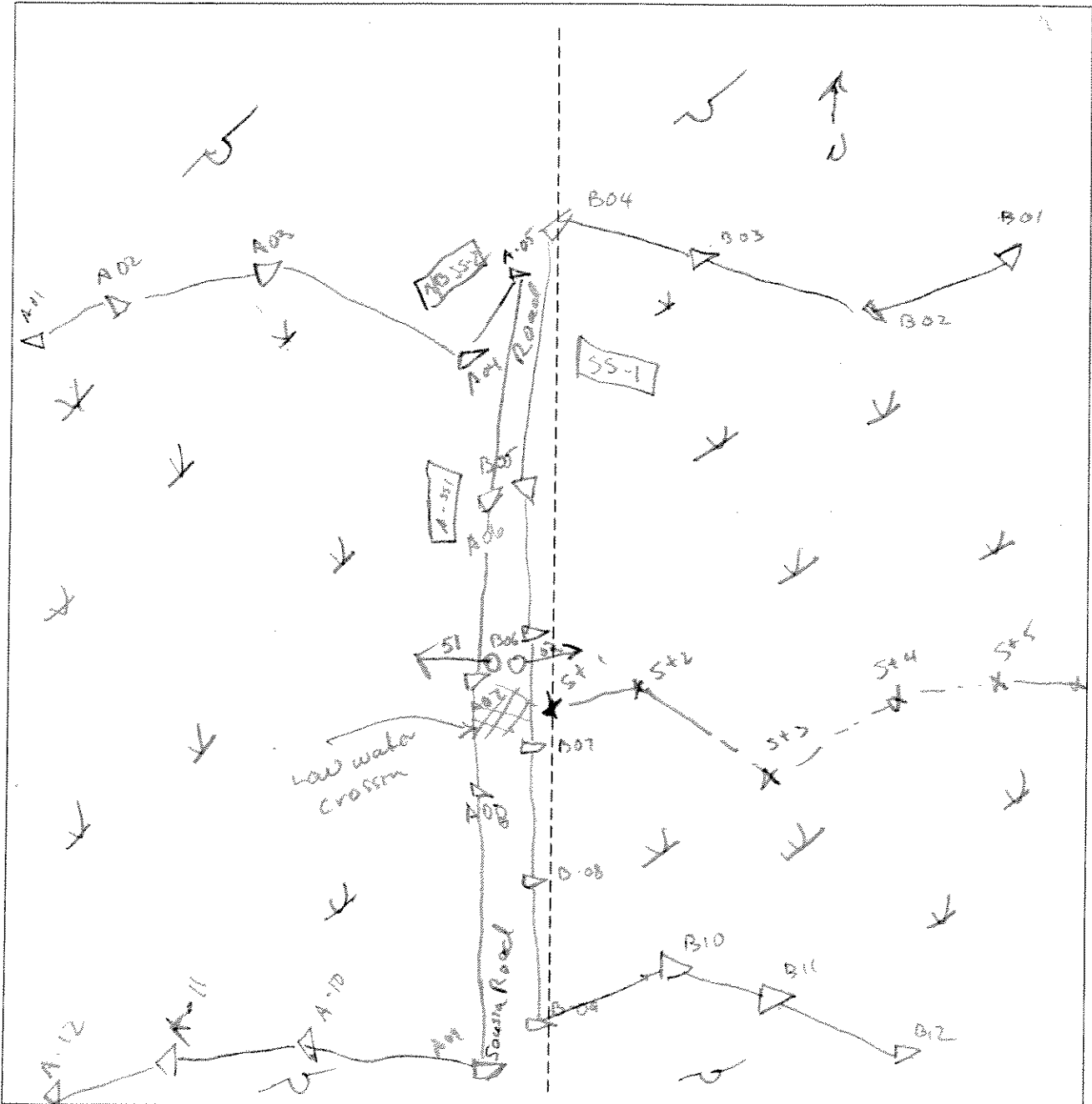
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks			



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 62A/B	<b>Date:</b> 10/19/05 / 10/19/05 <b>Time:</b> 10:15
<b>Initials of Delineators:</b> GID, JH, TG	<b>Location:</b> AR 62 AB
<b>Roll #:</b> <b>Frames:</b> 51 West, 52 East on Gregg's camera	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 63A  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Citation country road</i> Applicant/Owner: <i>MURTON</i> Investigator: <i>K.H. GD</i>	Date: <i>10/19/05</i> County: <i>Citation</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <u>No</u> Is the site significantly disturbed (Atypical Situation)?      Yes <u>No</u> Is the area a potential Problem Area?      Yes <u>No</u> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR63A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM/PS3</i>					
Percent Canopy Cover:      Tree:      Shrub:      Herb:      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Asp. Rubrum</i>	<i>T</i>	<i>FAC</i>	9. <i>Spirea latifolia</i>	<i>H</i>	<i>FAC+</i>
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10. <i>Mosses leaf fallen</i>	<i>H</i>	<i>FAC</i>
3. <i>American Birch</i>	<i>T</i>	<i>FACV</i>	11.		
4. <i>Crack Willow</i>	<i>S</i>	<i>FAC+</i>	12.		
5. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>N. Bayle wood</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Carex Intermixta</i>	<i>H</i>	<i>FACW+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>95%</i>					
Remarks:  <i>Interrupted drainage from road construction</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>1-2</i>  Depth to Free Standing Water in Pit (in.): <i>2</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>road rainfall within last 12 hours</i>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-2/2			Silt loam / Humus
4-6	A	10YR-3/2	7.5YR-4/4	Few/Med / Faint	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal at 6 inches - lots of moks in O horizon					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR 63A-552  
 AR 64A/B-552

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURPHY</i> Investigator: <i>SH, FD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 63A-552</i> <i>AR 64A/B-552</i>

**VEGETATION**

Plant Community Classification: <i>Upland Forest - Beech Maple</i>					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>60</i> Herb: <i>70</i> Vine: <i>5</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Thibaultii</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Saccharum</i>	<i>T</i>	<i>FACV</i>	10.		
3. <i>Amelanchier</i>	<i>S</i>	<i>FACV+</i>	11.		
4. <i>Pinus Serrata</i>	<i>S</i>	<i>FACV</i>	12.		
5. <i>Blackberry</i>	<i>H</i>	<i>FACV</i>	13.		
6. <i>Flat Top Aster</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Rubus Alleghaniensis</i>	<i>H</i>	<i>FACV</i>	15.		
8. <i>Nightshade</i>	<i>V</i>	<i>FAC-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i>					
Remarks: <i>photo # 53 looks w</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i>  Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	

ID: AR63A-UP2  
AR64A/B-UP2

**SOILS**

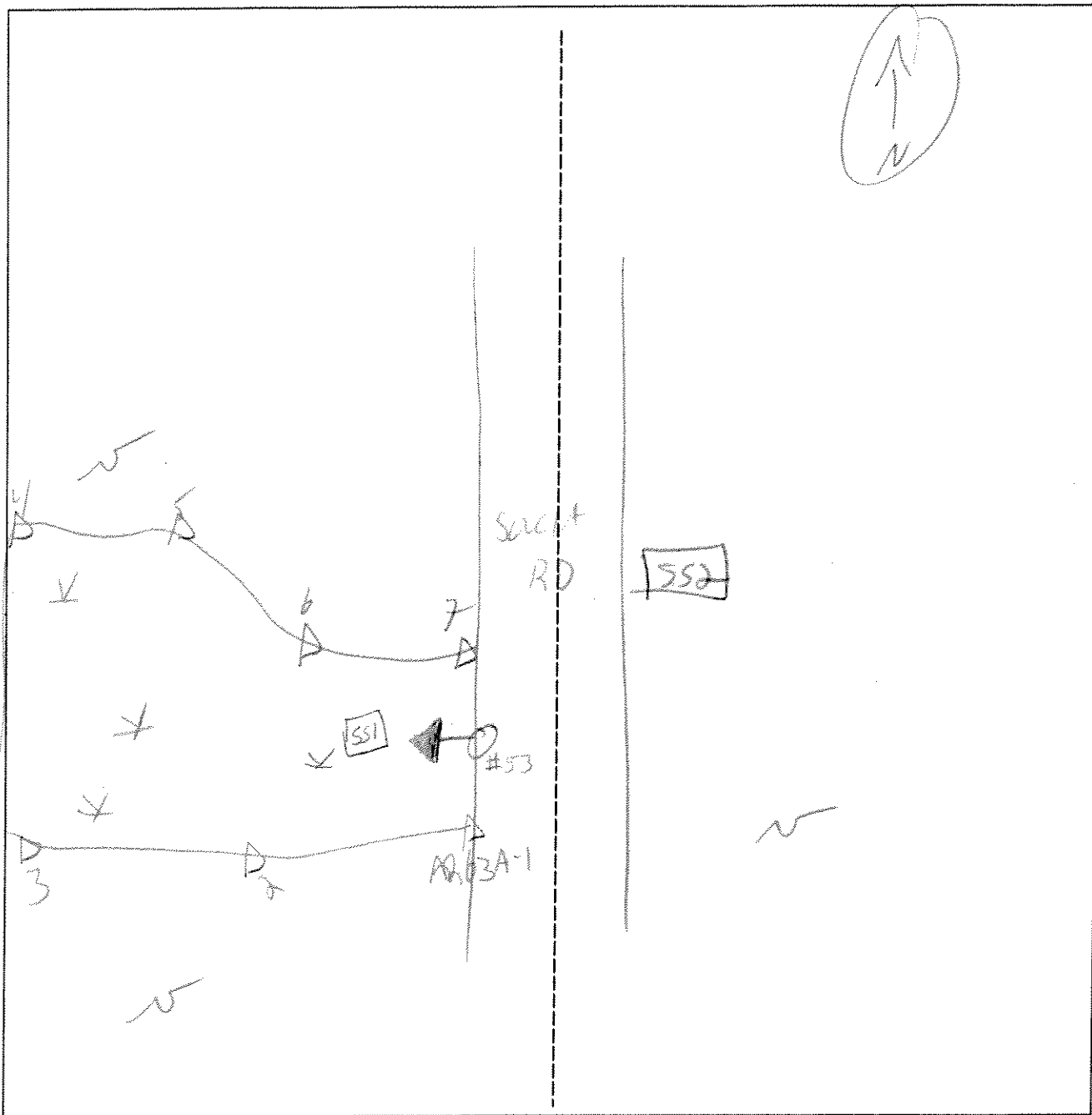
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-3/2			silty clay loam
3-6	A	10YR-5/2	10YR-5/4	few/med/distinct	sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>rotured at 6 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input type="radio"/> No		
Hydric Soils Present?	<input type="radio"/> Yes	<input type="radio"/> No		
Is this Sample Station Point Within a Wetland?				Yes <input type="radio"/> No <input checked="" type="radio"/>
Is this an Isolated Wetland?				Yes <input type="radio"/> No <input type="radio"/>
Remarks				

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR 63A	<b>Date:</b> 10/19/05	<b>Time:</b> 11:20
<b>Intials of Delineators:</b> BA, BD	<b>Location:</b>	
<b>Roll #:</b> S3 on George's Camera	<b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR64A/B  
WL

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURSON</i> Investigator: <i>KA GD, TB</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR64A/B-551</i>

**VEGETATION**

Plant Community Classification: <i>PFO</i> Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>50</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9. <i>Canary Reed Grass</i>	<i>H</i>	<i>PACW</i>
2. <i>Linden</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>Spirea latifolia</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Sagittaria</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Carex lucida</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Brown Fox sedge</i>	<i>H</i>	<i>OBL</i>	14.		
7. <i>Poa palustris</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Nettle Spikeweed</i>	<i>H</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>89%</i>					
Remarks: <i>Basal of Acer Rubrum in the wetland fringes</i> <i>pix # 55 looks E, # 54 looks West at 551</i> <i>on GD's camera</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>4-6 in</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall within 12 hours</i>	

ID: 10264A-WL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O	10YR-2/2			Clay / cur

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: refusal @ 5 inches

**WETLAND DETERMINATION**

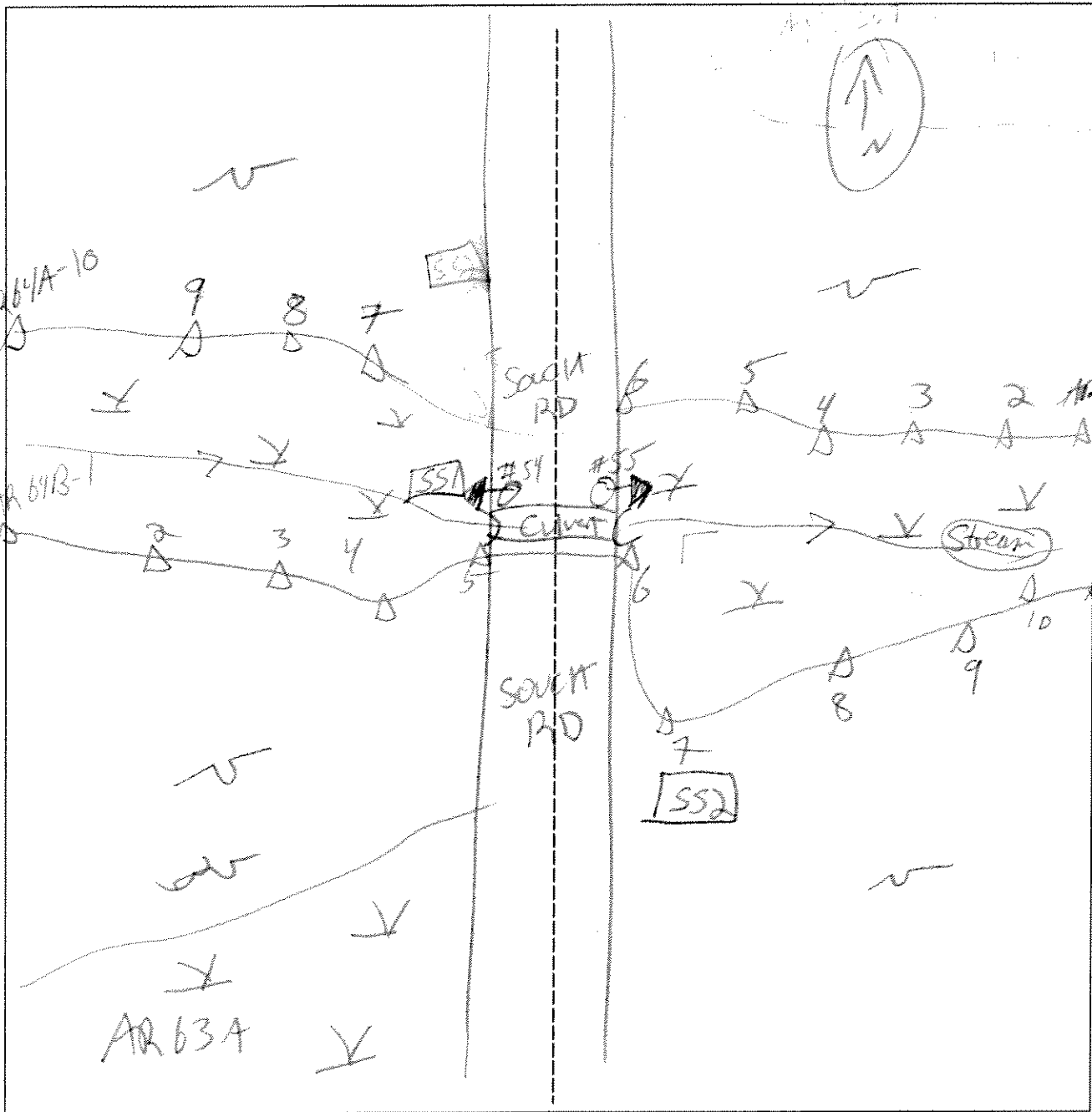
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

Remarks



SKETCH FORM

Wetland ID/Route #: AR 64A/B	Date: 10/19/05	Time: 10:05
Initials of Delineators: KHK, GD	Location:	
Roll #: 54 West	Frames: 55 East on Gage's Camera	



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

AR65A  
WL-SSI

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>AMERICAN</i> Investigator: <i>KH, BD, JK</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR65A-SSI</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>						
Percent Canopy Cover:      Tree: <i>5</i> Shrub: <i>40</i> Herb: <i>90</i> Vine: <i>0</i>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <del>...</del>			9. <i>Blue Set</i>	<i>H</i>	<i>FACW</i>	
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10. <i>Flat top Maple</i>	<i>H</i>	<i>FACW</i>	
3. <i>American Elm</i>	<i>T</i>	<i>FACW</i>	11. <i>Cat tail</i>	<i>H</i>	<i>OBL</i>	
4. <del>...</del>			12. <i>Carex lunda</i>	<i>H</i>	<i>OBL</i>	
5. <del>...</del>			13. <i>Junco Phoebe</i>	<i>H</i>	<i>FACW</i>	
6. <del>...</del>			14. <i>Elychans Albidus</i>	<i>H</i>	<i>OBL</i>	
7. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	15.			
8. <i>Black willow</i>	<i>H</i>	<i>FACW</i>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>						
Remarks: <i>Man made ditch from logging! The narrowness of the          feature causes the inclusion          present in the adjacent uplands of upland tree and shrub species          pit # 36 looks SW          on BD's camera</i>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>2-4"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent heavy rainfall in last 16 hours</i>	



AR 65B-WL  
SSI

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Horsman</i> Investigator: <i>KH 6D, 56</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 65B-SSI</i>

**VEGETATION**

Plant Community Classification: *PEM*  
Percent Canopy Cover: Tree: *5* Shrub: *30* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>_____</del>	<del>_____</del>	<del>_____</del>	9. <i>Red Army Grass</i>	<i>H</i>	<i>FACW</i>
2. <del>_____</del>	<del>_____</del>	<del>_____</del>	10. <i>Water Arrowweed</i>	<i>H</i>	<i>OBL</i>
3. <del>_____</del>	<del>_____</del>	<del>_____</del>	11. <i>Carex striata</i>	<i>A</i>	<i>OBL</i>
4. <i>Her. Rubrum</i>	<i>T</i>	<i>FAC</i>	12. _____		
5. <i>Salix bebbiana</i>	<i>S</i>	<i>FACW</i>	13. _____		
6. <i>Populus grandidentata</i>	<i>S</i>	<i>FACW</i>	14. _____		
7. <i>Borset</i>	<i>H</i>	<i>FACW</i>	15. _____		
8. <i>Carex lasiocarpa</i>	<i>H</i>	<i>OBL</i>	16. _____		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *Man made ditch from logging!*  
  
*pix #57 looks NE*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Foot Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>4-6 in</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent hangover in last 12 hours</i>	

ID: AR65B - WL  
551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-7/1			Sandy clay
4-7	A <sub>0</sub>	5Y-4/1			" "
7-10	A <sub>3</sub>	5Y-4/1	10YR-5/8	Few/Low/Disant	" "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <span style="float: right;">refusal at 10 inches</span>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR55B<sup>N</sup> -552  
UPL

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MORAN</i> Investigator: <i>KH BD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR55B-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>80</i>	Shrub: <i>20</i>	Herb: <i>30</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster Saccharum</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Populus Tremula</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Black Cherry</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Aster Rubrum</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Miscanthus</i>	<i>V</i>	<i>FAC-</i>	13.		
6. <i>Aster Rubrum</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Cornus sp. - Goldenrod</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Grass Goldenrod</i>	<i>H</i>	<i>FACU</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>38%</i>					
Remarks: <i>AR55A/B connected by culvert</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6in</i> Depth to Saturated Soil (in.): <i>&gt; 6in</i>	
Remarks: <i>recent rainfall in last 12 hours</i>	

ID: *AP65B-552*

**SOILS**

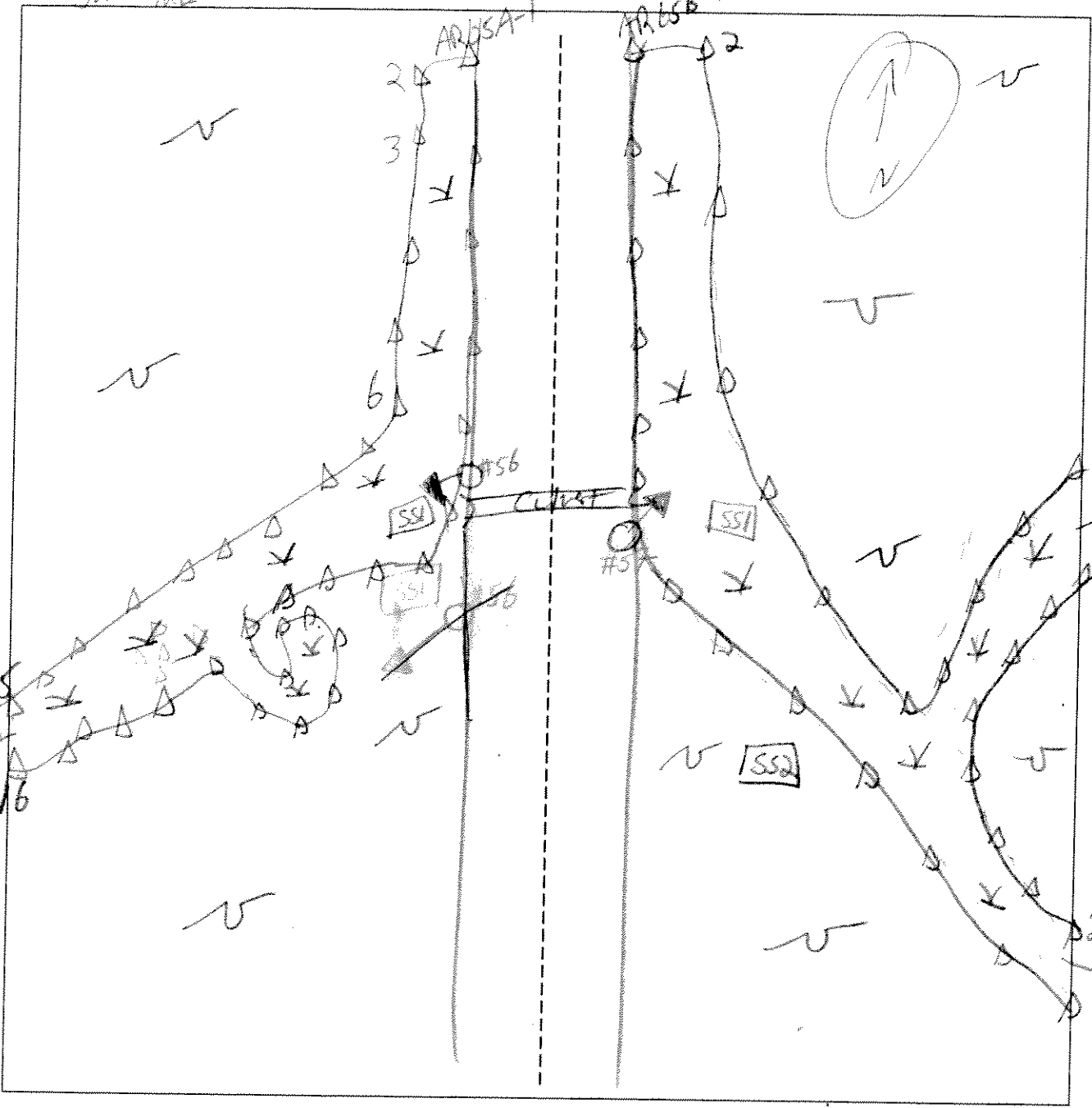
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-1</i>	<i>0</i>	<i>10YR-2/1</i>			<i>lean</i>
<i>1-6</i>	<i>A</i>	<i>10YR-3/2</i>			<i>clay loam</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>- refusal at 6 inches</i> <i>- heavily disturbed soil due to ditch digging activities</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	<input type="radio"/> No			
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
				Is this an Isolated Wetland?	Yes <input type="radio"/> No
Remarks					

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 65 A/B	<b>Date:</b> 10/19/05	<b>Time:</b> 13:40
<b>Initials of Delineators:</b> ISH, BD	<b>Location:</b> Clinton Co.	
<b>Roll #:</b> 56, 57 SW NE		
<b>Frames:</b> Gregg's Camera		



**Legend**

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

- Wetland
- Upland
- Stream
- Intermittent Stream

6



AR66A-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CUSTOM CANY</u> Applicant/Owner: <u>HOBBS</u> Investigator: <u>KH, RD, JB</u>	Date: <u>10/20/05</u> County: <u>CUSTOM</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR66A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PBA/PSS</u>					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>20</u> Herb: <u>100</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	9. <u>Nightshade</u>	<u>V</u>	<u>FAC</u>
2. <u>Black Thimble</u>	<u>S</u>	<u>FAC</u>	10. <u>Interrupted fern</u>	<u>H</u>	<u>FAC</u>
3. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Bark willow</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Poa sp</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Flat top Aster</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Horse tail</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks: <u>- juncus effusus (H)</u> <u>- water snake grass (H)</u> <u>- Bone set (H)</u> <u>- cat tail (H)</u> <u>- Carex crinita (H)</u> <u>- Lemna (H)</u> <u>- speckled Aster (S)</u> <u>- willow herb (H)</u> <u>plants outside of soil station also present in wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2 in</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>pit 10/15 #27 shows SS1 + SS2 looking SW</u> <u>- recent rainfall within last 12 hours</u>	

AM66A WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-6/1			Silt loam
2-5	A	10YR-4/1			Sand loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal of Auger at 5 inches - disturbed soil from logging most likely					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR66A-UPL

Project Site: <u>CANTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH RD 56</u>	Date: <u>10/20/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR66A-55a</u>

**VEGETATION**

Plant Community Classification: <u>Upland - Beech Maple Mesic</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>20</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Saccharum</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>American Beech</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Big Tooth Aspen</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Acer Saccharum</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Moss sp.</u>	<u>H</u>	<u>I</u>	13.		
6. <u>Basswood</u>	<u>T</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>16%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide-Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 6in</u>  Depth to Saturated Soil (in.): <u>3in</u>	
Remarks: <u>- recent rainfall within 12 hours</u>	

AR66A-0PL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	A	10YR-2/1			loam
1-6	A	10YR-4/1	7.5YR-5/8 10YR-2/1	Few/med/Faint " " / distinct	clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - refusal of auger at 6" - Mn Mottles  
- roots in top 6 inches

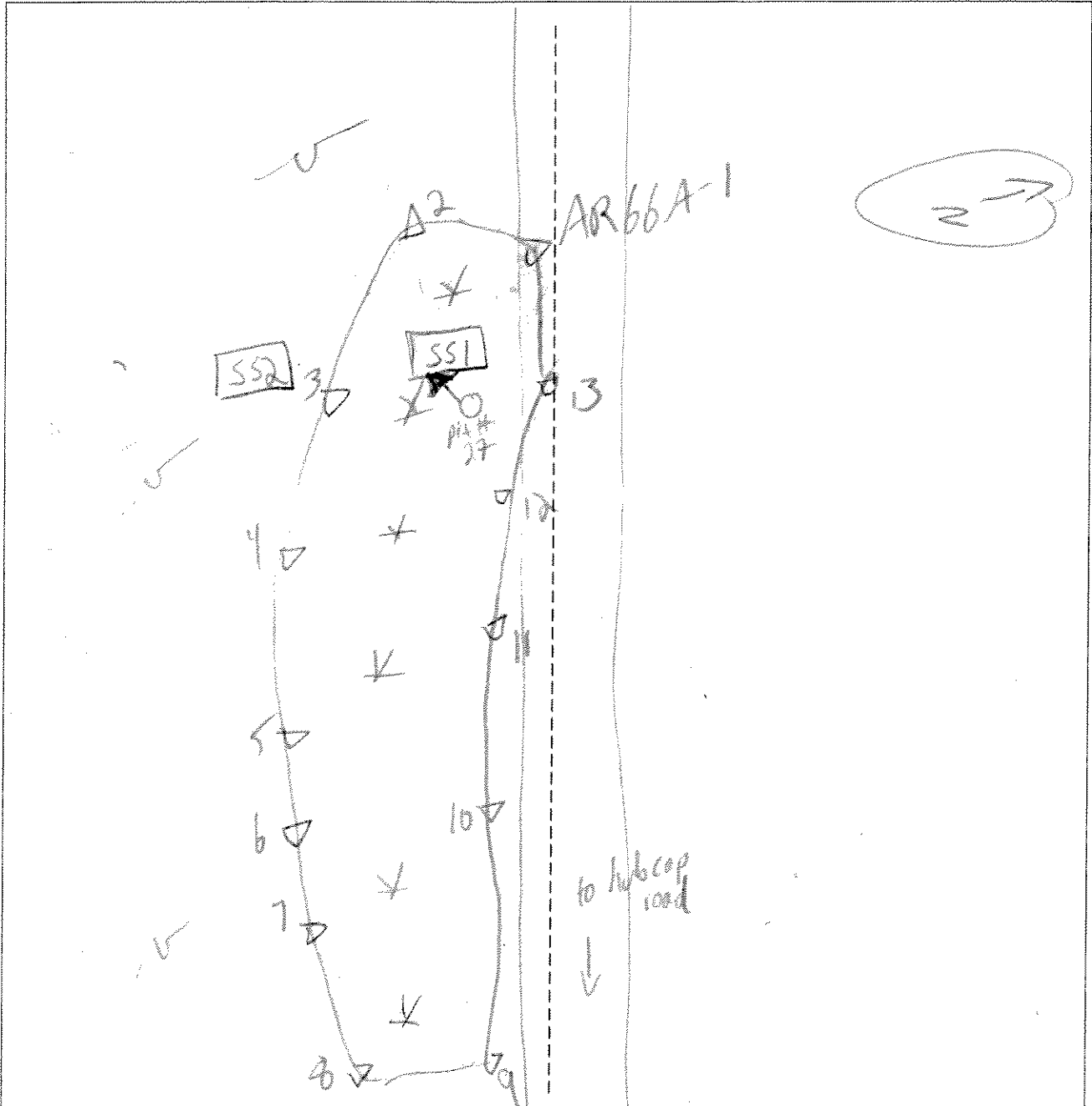
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks

SKETCH FORM

Wetland ID/Route #: <i>AR66A</i>	Date: <i>10/20/05</i>	Time: <i>09:43</i>
Initials of Delineators: <i>KH, RD, JB</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>Roll 5 #27</i>	Frames:	



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



AR 70A  
WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			Humicky Peat
6-19	A	10YR-2/1			Much w/ inclusions of peat
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No		(Circle)
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

AR 70A-UP<sup>2</sup>

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GH, RD, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 70A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>vpland forest</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>5</i> Herb: <i>80</i> Vine: <i>30</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Aubus sp</i>	<i>H</i>	<i>-</i>	12.		
5. <i>Solidago sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Solidago canadensis</i>	<i>H</i>	<i>FACV</i>	14.		
7. <i>Solidago rugosa</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Nightshade</i>	<i>V</i>	<i>FAC-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>66%</i>					
Remarks: <div style="margin-left: 40px;"> <i>- Aubus - purple stalks, fine bristles, no bristles on stalks</i>  <i>5 leaves</i>  <i>- pit # roll 5, 23 shows SS1 + SS2 looking North.</i> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14 in</i> Depth to Saturated Soil (in.): <i>&gt; 14 in</i>	
Remarks: <i>recent rainfall in last 24 hours</i>	



AR 701 v12

**SOILS**

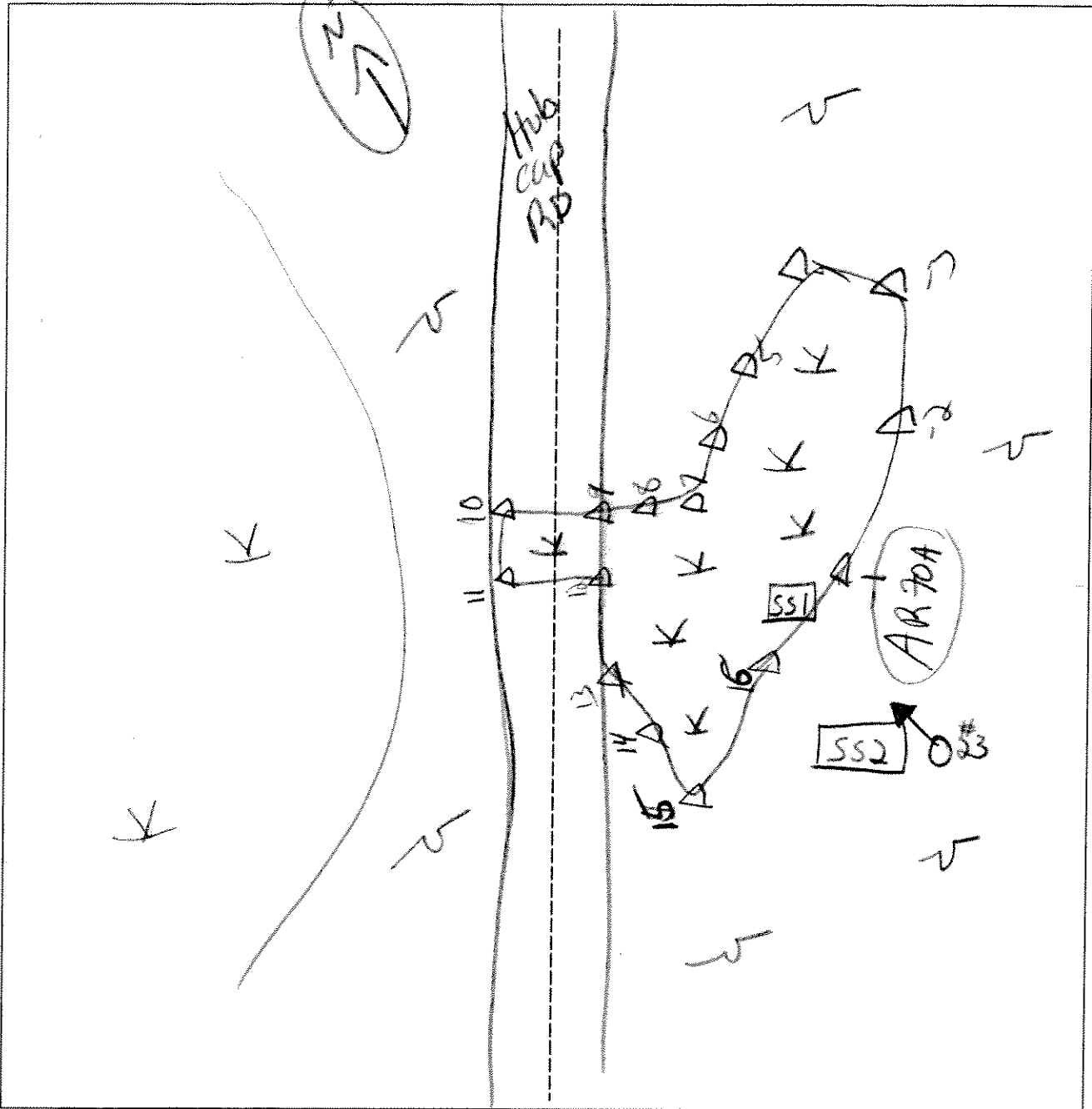
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1			organic material
2-14	E	7.5YR-5/2			sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: - refusal at Auger @ 14 inches - pure sand in the E layer					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks				

**SKETCH FORM**

Wetland ID/Route #: <i>AR70A</i>	Date: <i>10/20/05</i>	Time: <i>12:00</i>
Initials of Delineators: <i>KH, RD, JG</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>5</i>	Frames: <i>#23</i>	



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

10271A-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KA, RP, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>10271A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sleeper Bush</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>Speckled Alder</i>	<i>↓</i>	<i>FACwt</i>	10.		
3. <i>Silly willow</i>	<i>↓</i>	<i>OBL</i>	11.		
4. <i>Moss (single stalk)</i>	<i>↓</i>	<i>-</i>	12.		
5. <i>Moss sp.</i>	<i>↓</i>	<i>-</i>	13.		
6. <i>Juncus Effusus</i>	<i>↓</i>	<i>FACwt</i>	14.		
7. <i>Grass sp.</i>		<i>-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>- Man made wetland - fill dug out - created pit / retention pond</i> <i>- wood/grass in center of wetland</i> <i>- Highly disturbed area</i> <div style="text-align: right;"><i>- pit # 10115 # looking S</i> <i>22</i> <i>flows 551 + 552</i></div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>8</i> Depth to Free Standing Water in Pit (in.): <i>4</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall within 12 hours</i>	

AR71A-WL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	2.5Y-5/4	10YR-3/8	Few/Large/Faint	Silty Sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: - Soils highly disturbed due to excavation  
 - refusal of Auger 12 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			Is this Sample Station Point Within a Wetland? (Yes) No

Remarks: NO hydric soils present. - highly disturbed area / excavation activities caused water retention pond that collects enough water to support hydrophytic vegetation

AA71A-LP1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>BH, RD, JL</i>	Date: <i>10/30/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AA71A-552</i>

**VEGETATION**

Plant Community Classification: *Maple forest*  
 Percent Canopy Cover: Tree: *60* Shrub: *50* Herb: *20* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Corylus Bitch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Rubus Allegheniensis</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Rubus sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Moss sp.</i>	<i>H</i>	<i>-</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *75%*

Remarks: *- Rubus sp. purple stem, 5 leaves bristles not thorns*  
*- highly disturbed area due to excavation*  
*- soil station taken on spoil pile, which is on edges of entire wetland area*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 18</i>  Depth to Saturated Soil (in.): <i>&gt; 18</i>	
Remarks: <i>recent rains in last 12 hours</i>	

AR 71A - upL

**SOILS**

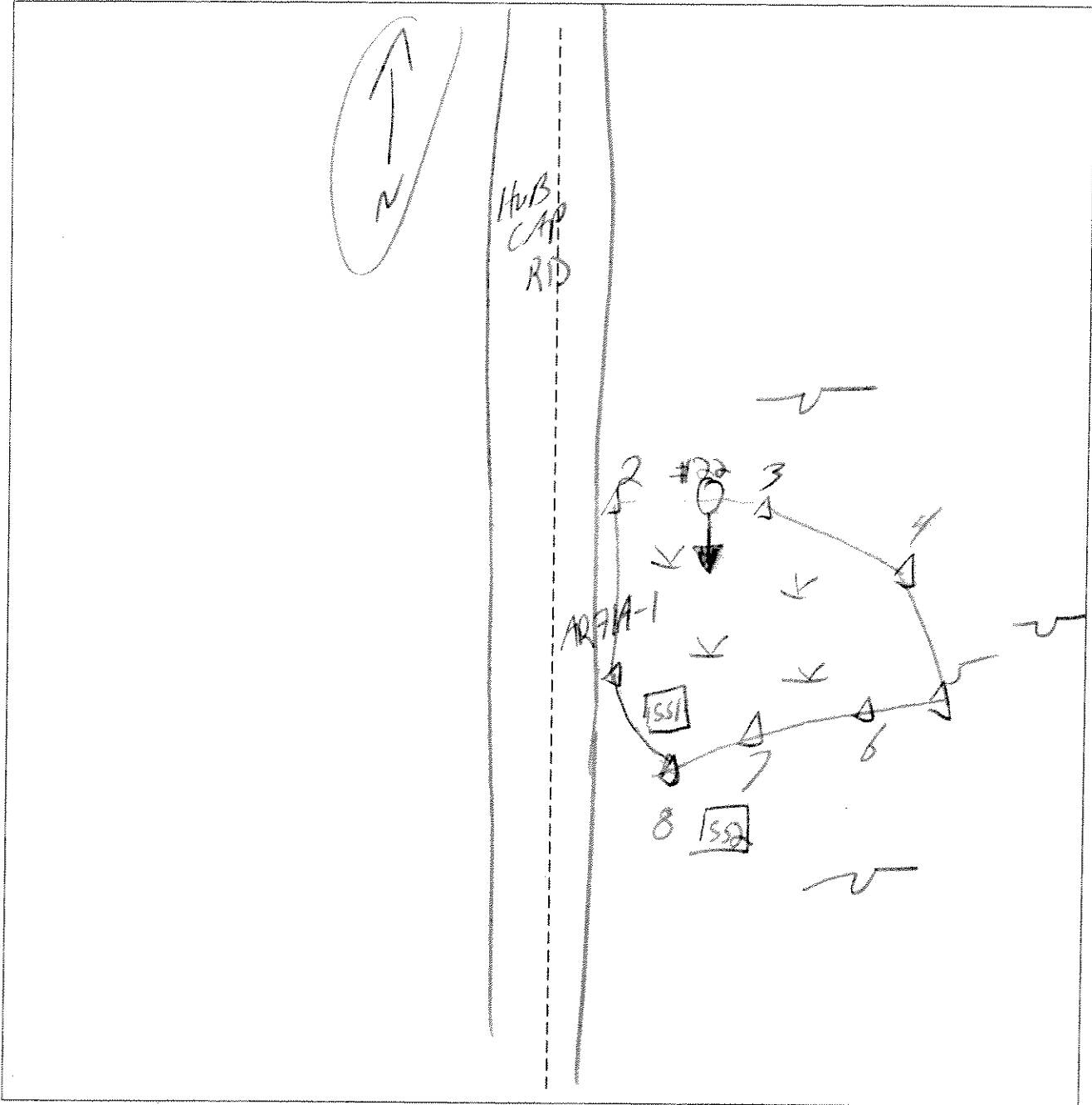
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	2.5Y 5/4			silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <p style="text-align: center;"><i>- disturbed soil due to excavation</i>  <i>- taken from spoil pile next to wetland area</i></p>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AR71A</i>	Date: <i>10/20/05</i>	Time: <i>13:50</i>
Initials of Delineators: <i>ISA, RID, JB</i>	Location: <i>Clatsop Co.</i>	
Roll #: <i>5</i>	Frames: <i>22</i>	



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR 72A-WL

Project Site: <u>Clinton Co.</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>SH, RD, JB</u>	Date: <u>10/20/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 72A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>80</u> Herb: <u>100</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Rubus trailing vine</u>	<u>H</u>	<u>—</u>
2. <u>Bay Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Acer Rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Bark willow</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Juncus Effusus</u>	<u>H</u>	<u>FACWT</u>	13.		
6. <u>Solidago rugosa</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Meadow wet</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Rubus vine on ground 3 leaves</u>  <u>pit # roll 5, 21</u> <u>shows SS1, SS2 looking East</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>6</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>recent rainfall 11 in last 24 hours</u>	



AR72A-46

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR 2/1			Silty loam/organic Muc. 5
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of Auger at 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle) Is this Sample Station Point Within a Wetland?	Yes	No	
Wetlands Hydrology Present?	Yes	No		(Circle)	Yes	No
Hydric Soils Present?	Yes	No		(Circle)	Yes	No
Remarks						

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 72A-4PL

Project Site: <i>Clinton Co</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, RD, JH</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 72A-552</i>

**VEGETATION**

Plant Community Classification: <i>PFO</i> Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>60</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Green Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Aspen Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Green Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Aspen Rubrum</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Blacken Fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Solidago canadica</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Big tooth Aspen</i>	<i>T</i>	<i>FACU-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>70%</i>					
Remarks: <i>Big tooth Aspen subdominate tree</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks: <i>fecat signs in last 24 hours</i>	

AR72A-UP2

**SOILS**

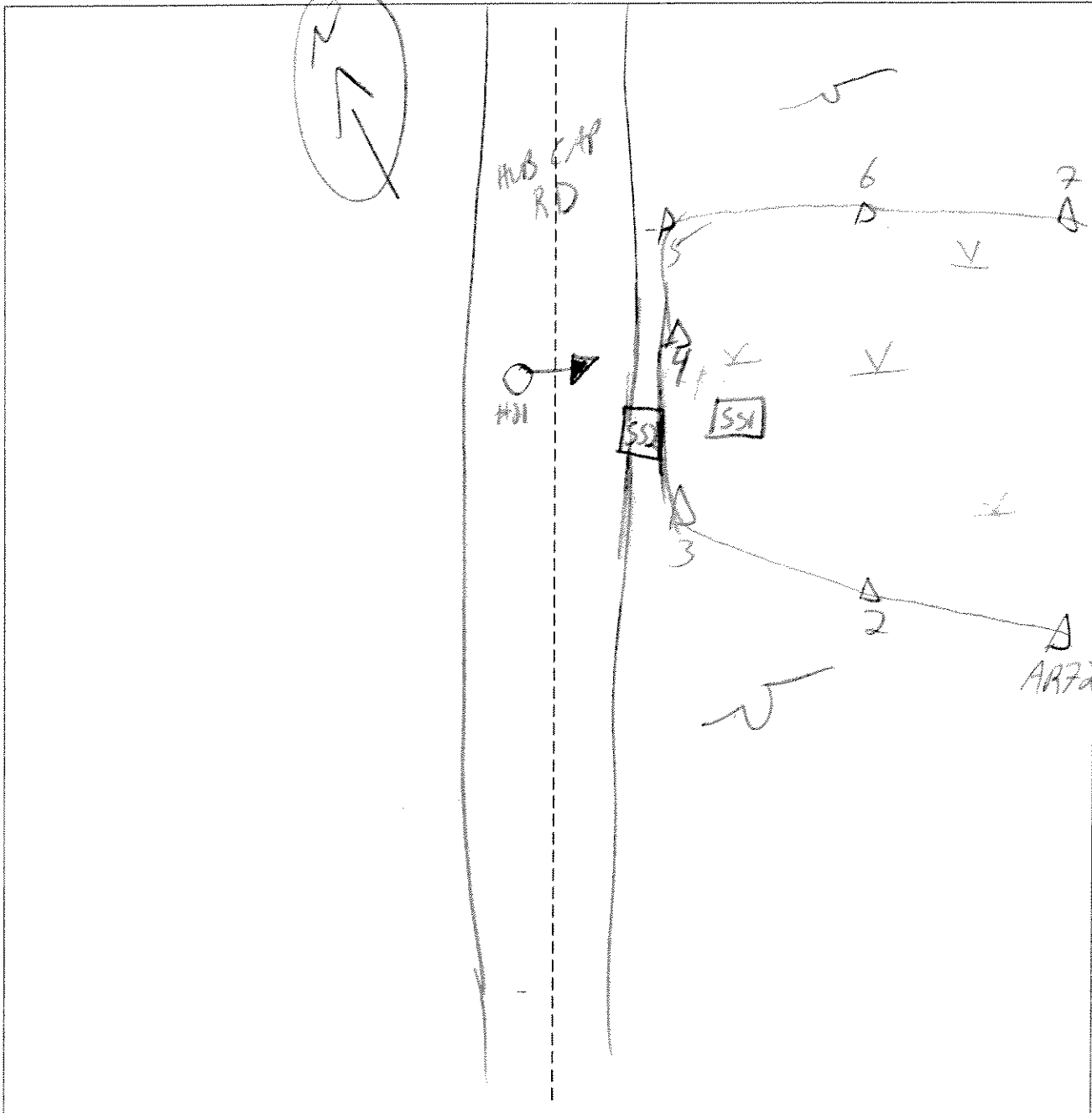
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-2/1			loam
4-6	E	10YR-5/2			silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>refusal of Auger at 6 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR 72A</i>	Date: <i>10/20/05</i>	Time: <i>14:40</i>
Initials of Delineators: <i>ISA, RD, JB</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>5</i>	Frames: <i>21</i>	



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR075A WL

Project Site: CLAYTON CO. Applicant/Owner: HORIZON Investigator: AK, KH	Date: 1/22/05 County: CLAYTON State: VA
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR075A Plot ID: SSI

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree:  Shrub:  Herb: 60% Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SENSITIVE FERN	#	FACW	9.		
2. RUBUS NERIDIUS	#	FACW	10.		
3. HORSETAIL	#		11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: - WETLAND IN LOW AREA BETWEEN ROAD & STONE/DEBRIS  
- SOME DEAD ASPEN IN WETLAND  
- DRAINAGE DETAIL  
\* NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0" Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

AR075AW

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:				
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No				
Profile Description: Depth (Inches)		Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-14		A	10YR 2/1	NONE		SANDY CLAY
14-18		B	2.5YR 6/2	10YR 5/8 10YR 2/1	Common/Medium/med Faint/Small/Distinct	CLAY LAYER

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *MAN MADE WETLAND IN DRAINAGE DITCH*  
*MIN MOTTLES IN LOWER 14-18"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	(Circle)	<input type="radio"/> Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes No		
Remarks			

AD75A-UP2

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Climax Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH AIS</i>	Date: <i>10/30/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AD75A-552</i>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *60* Shrub: *40* Herb: *10* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Papirus Tremuloides</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Black Gum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Rubus (umbellifera)</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Cyperus</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Subs trailing vine</i>	<i>H</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *50%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>2/2</i>  Depth to Saturated Soil (in.): <i>10</i>	
Remarks:	

AR75A-L12

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: - Drainage affected by road - no more drainage affected by road - transition area					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks				



AR076A WZ

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLETON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, AH</u>	Date: <u>10/22/05</u> County: <u>Cleburn</u> State: <u>TX</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR076A</u> Plot ID: <u>551</u>

**VEGETATION** PEM / SS / FOV

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: 20% Shrub: 40% Herb: 60% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>AMERICAN ELM</u>	<u>T</u>	<u>FACWT</u>	9.		
2. <u>RED OAK</u>	<u>S</u>	<u>FACWT</u>	10.		
3. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>SILKY WILLOW</u>	<u>S</u>	<u>OBL</u>	12.		
5. <u>WATER GREENBUD</u> *	<u>H</u>	<u>FAC</u>	13.		
6. <u>SPECKLED ALDER</u>	<u>S</u>	<u>FACWT</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: DOMINANT TREE WITH WETLAND INCLUDES CEDAR  
- EMERGENT SPECIES WHERE DEEP ALONG ROAD  
- DOBSOND TRANSITION INTO SOUTHERN CEDAR AREA  
\* NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>UP TO 2' IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>ROAD BED BUILT UP ABOVE WET AREA - CHANNELS INTO DRAINAGE DITCH</u>	

AR076A W2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
10-3	O	10YR 2/1	NONE		OM
3-12	A	10YR 5/2	7.5 YR 5/8	FED/LARGE/DIST	SANDY CLAY
12-18	B	10YR 4/2	7.5 YR 4/8	FED/FINE/MOD	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks			

AR 76A-UP

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, AB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>AK0764</i> Plot ID: <i>582</i>

**VEGETATION** *UPLAND*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *60%* Shrub: *40%* Herb: *30%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RUBUS IDAEUS</i>	<i>H</i>	<i>FAC-</i>	9.		
2. <i>ACER RUBRUM</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>PINUS CRASSA</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>COLLEA BIFIDA</i>	<i>T</i>	<i>FAC</i>	12.		
5. <i>YELLOW BIRCH</i>	<i>T</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *80%*

Remarks: *IRONWOOD - DOUBLY TOOTHED*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>7"</i>	
Remarks:	

AR076 UP

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-1	O	10YR 2/1	NONE		OM
1-2	A	10YR 3/2	NONE		SILT LOAM
2-5	A1	10YR 3/3	10YR 5/3	NUM/LARGE/BLIND	SILT LOAM
5-8	A2	7.5YR 3/4	NONE		SILT LOAM

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input checked="" type="checkbox"/> Concretions                             |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: ~~ANAL~~ ~~REFUSAL~~ @ 8"  
 - SATURATED @ 7"  
 - ORGANIC MATERIAL TAPICIOUS

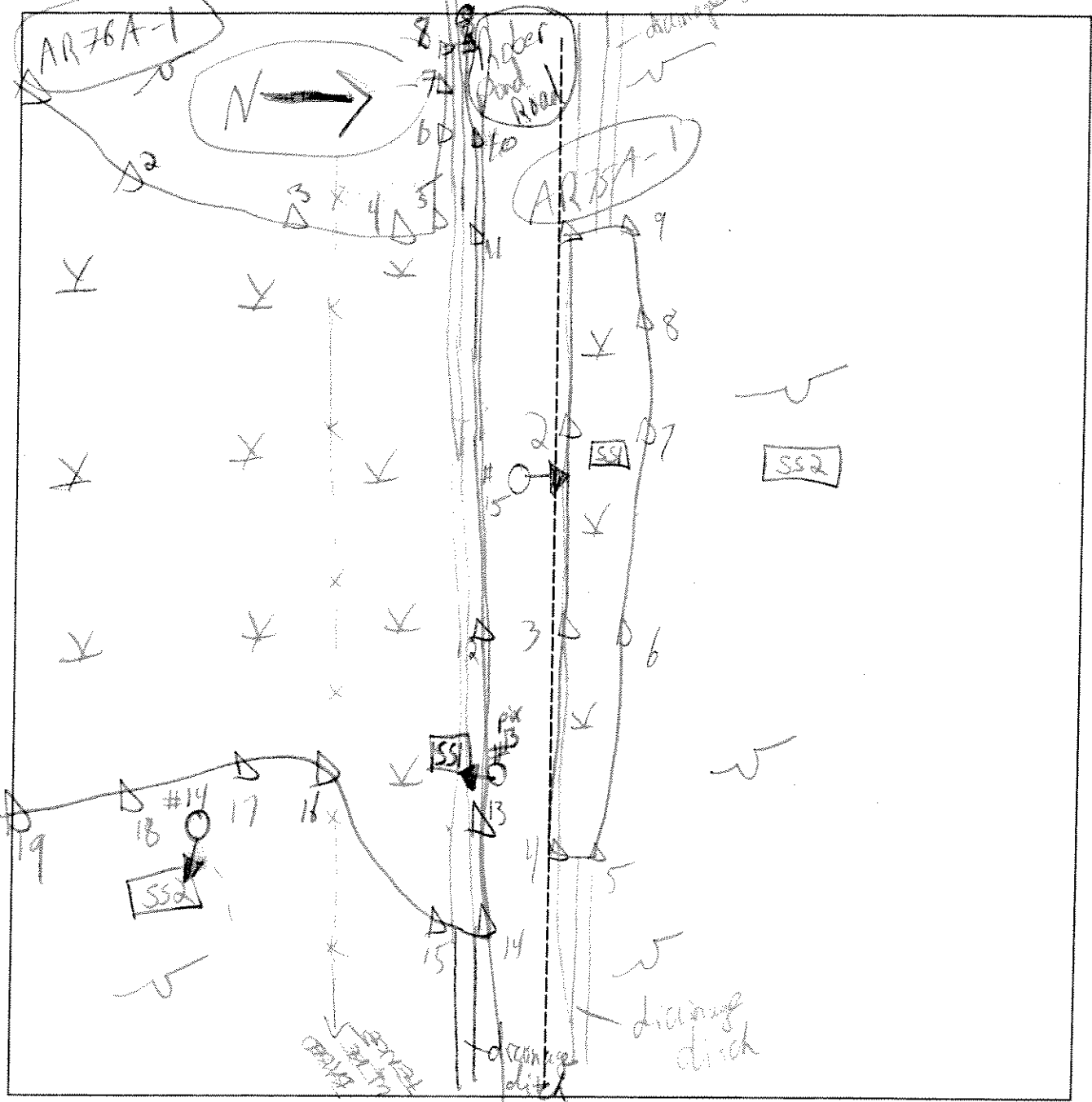
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**SKETCH FORM**

Wetland ID/Route #: <u>AR75A / AR76A</u>		Date: <u>10/22/05</u>	Time: <u>10:30</u>
Initials of Delineators: <u>BH, AB</u>		Location: <u>Clinton Co.</u>	
Roll #: <u>5</u>	Frames: <u>15, 14, 13</u>		



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AROTTA-WC

Project Site: <u>CANTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, KH</u>	Date: <u>10/22/05</u> County: <u>CANTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>WETLAND</u> Transect ID: <u>AROTTA</u> Plot ID: <u>551</u>							

**VEGETATION** PSS

Plant Community Classification:						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>SAWN ALBA</u>	T	FACW	9.			
2. <u>RED-OAK</u>	S	FACW	10.			
3. <u>SENSITIVE FERN</u>	H	FACW	11.			
4. <u>SHRUB</u>	H	FACW	12.			
5. <u>SPECKLED ALDER</u>	S	FACW	13.			
6. <u>RUBUS</u>	S	FACW	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>						
Remarks: <u>- MAY BE CONNECTED TO AROTTA WETLAND ON PRIVATE PROPERTY BEYOND 100'</u> <u>- STREAM STOPPING FLOWS THROUGH WETLAND &amp; TO N END 36" CONDUIT ACROSS ROAD - CONNECT TO AROTTA</u>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands ( <u>FACW</u> ) <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>UP TO 18" IN PLACES</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:  <u>PHOTO 12 ROW 5 LOOKS N @ 551</u>	

ID: ARO77A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	None	---	OM
2-6	A	10YR 3/1	None	---	CLAY LOAM
6-12	B	2.5YR 5/1	None	---	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: REFUSAL @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No		(Circle)
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland?	(Yes) No
		Is this an Isolated Wetland?	Yes No
Remarks			

AROT7A-UF

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLEVERTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>10/22/05</u> County: <u>CLEVERTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>UPLAND</u> Transect ID: <u>AROT7A</u> Plot ID: <u>882</u>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>10%</u> Herb: <u>5%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>AMERICAN BEECH</u>	<u>T/S</u>	<u>FACW</u>	9.		
2. <u>GRAY BIRCH</u>	<u>F</u>	<u>FAC</u>	10.		
3. <u>CATPALE (WILLETTS?)</u>	<u>F</u>	<u>FACW</u>	11.		
4. <u>FRAXINUS AMERICANA</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>ACER SACCHARUM</u>	<u>T/S</u>	<u>FACU-</u>	13.		
6. <u>RUBUS IDAEUS</u>	<u>#</u>	<u>FAC-</u>	14.		
7. <u>WYCKLED ASTER</u>	<u>#</u>	<u>FACU</u>	15.		
8. <u>POPULUS TREMULOIDES</u>	<u>T</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>38%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>5"</u>	
Remarks:  <u>PHOTO 9 ROW 5 WORKING S @ 882</u>	



ID: ARO77A-UP

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE		OM
2-5	A	7.5YR 2.5/1	NONE		CLAY LOAM
5-12	B <sub>1</sub>	10YR 6/2	10YR 5/8	MAN/Y/LARGE/MODERATE	CLAY LOAM
12-16	B <sub>2</sub>	10YR 3/2	10YR 5/8	MAN/FINE/MODERATE	CLAY LOAM

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: ANOTHER REVISION @ 16"  
 - LOCATED ON MOUND OF BULLDOZED SOILS  
 - SOILS DISTURBED / CONTAINS LOW CHROMA & MOTTLES - NO PLANTS  
 - TRANSITIONAL AREA

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks  
 - ATYPICAL SITUATION  
 - SOILS DISTURBED

AROTTB-WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLEWISTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>10/22/05</u> County: <u>CLEWISTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AROTTB</u> Plot ID: <u>551</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>30%</u> Shrub: <u>60%</u> Herb: <u>40%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPECKLED ACHEER</u>	<u>T/S</u>	<u>FACW</u>	9.		
2. <u>SALDAGO BEANITCA</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>RUBUS HISPIDUS</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>AMERICAN ELM</u>	<u>T</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>ROLL 5 PICTURE II LOOKS S. @ 551</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>UP TO 6" IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>WATER FLOWS UNDER ROAD FROM AROTTA - THROUGH 2 36" CULVERTS INTO WETLAND</u> <u>- STREAM FLOWS THROUGH E PORTION OF WETLAND</u>	

A2077B-WC

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR 3/1	None	—	SANDY SPT

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: REFUSAL @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	(Circle)
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland? (Yes) No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AK077B-UP

Project Site: <u>CRAWFORD CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AL KH</u>	Date: <u>10/22/06</u> County: <u>CRAWFORD</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AK077B</u> Plot ID: <u>352</u>

**VEGETATION** MED SUCCESSIONAL DECIDUOUS

Plant Community Classification:  
 Percent Canopy Cover: Tree: 50% Shrub: 20% Herb: 40% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>BLACK CHERRY</u>	<u>T/S</u>	<u>FACU</u>	9.		
2. <u>SARGOL BIRCH</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>POPULUS TREMULOIDES</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>HIGH BUSH BLUEBERRY</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>WINKLED ASH</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>SWEET MAPLE</u>	<u>T</u>	<u>FACU</u>	14.		
7. <u>CORNY DOG</u>	<u>H</u>		15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 28%

Remarks: \* NOT IDENTIFIED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>13"</u>	
Remarks:	

AK0713 - UP

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	10YR 2/2	NONE		DM LOAM
6-12	A <sub>2</sub>	10YR 3/2	NONE		CLAY LOAM
12-18	B	10YR 3/2	7.5YR 3/4	COMMON/LARGE/FAIR	SANDY CLAY

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input checked="" type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: SATURATED @ 15"  
-NO REFUSE OF AUGER

PHOT 10 Roll 5 - LOOKING N

**WETLAND DETERMINATION**

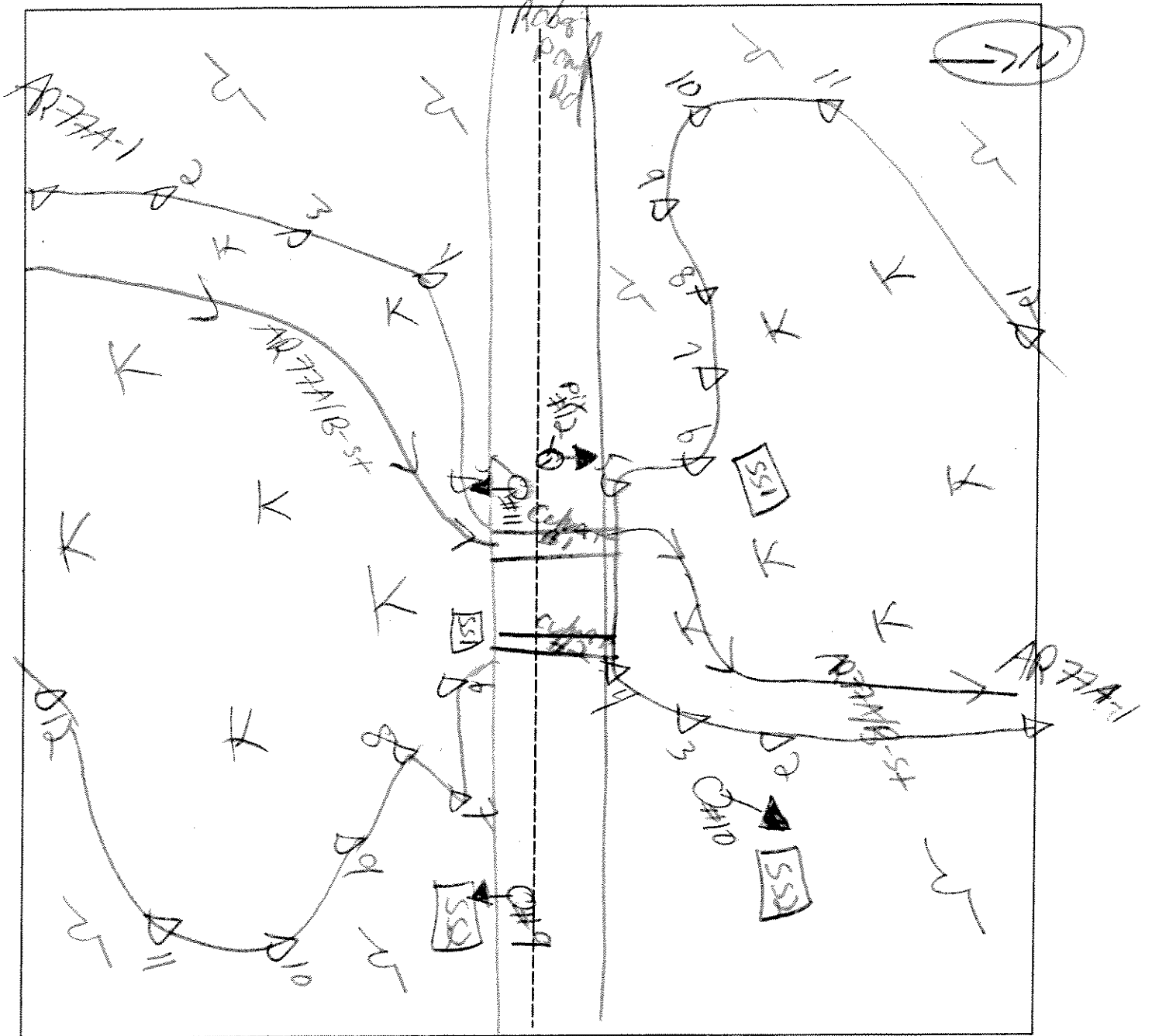
Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No		
Is this Sample Station Point Within a Wetland?				Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks

SKETCH FORM

AR77B

Wetland ID/Route #: <i>AR77A and AR77A/B-st</i>	Date: <i>10/22/05</i>	Time: <i>16:45</i>
Initials of Delineators: <i>ISH, AIS</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>10115</i>	Frames: <i>9, 10, 11, 12</i>	



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

AD078A  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CANTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>10/23/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AD078A</u> Plot ID: <u>SS1</u>

**VEGETATION** PEM/FO1

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 60% Shrub: 20% Herb: 80% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>PAREX SP.</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>SPOTTED KIDNEY</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>VIRGINIA AMERICAN</u>	<u>T/S</u>	<u>FACW</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>ROCKY STAR GOLDENROD</u>	<u>T</u>	<u>FAC</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: [015] pit #6 looks NE at SS1  
AD78A - st in wetland AD78A, man made ditch collecting water  
(stagnant)

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>UP TO 2' IN POLES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>OPEN STAGNANT WATER &amp; TRANSITIONAL AREAS</u> <u>- raining while delineating. Rains within past 12 hours</u>	

AR078A

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	10YR 5/6	FINE/MEDIUM/MODERATE	CLAY LOAM
12-18	B	2.5YR 6/2	10YR 5/8	MANY/LARGE/DISTINCT	SANDY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
				Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks					



10578A-UP

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLENTON NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>1/23/05</u> County: <u>CLENTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>12078A</u> Plot ID: <u>552</u>

**VEGETATION** MID SUCCESSIONAL DECIDUOUS

Plant Community Classification: Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>20%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SUGAR MAPLE</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>BIRCH</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>POPULUS TREMULOIDES</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>BLUE GUM</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>WOOD FERRO</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>SLYV FERRO</u>	<u>T/S</u>	<u>FACU</u>	14.		
7. <u>POPEY SPR</u>	<u>H</u>		15.		
8. <u>STRAWBERRY</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks: <u>roll 5 pix #7 looks south west of 552</u> <u>*NO SPECIES</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>12"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>HYDROLOGY PROBABLY</u>	

ID: A1078A-UP

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	C	10YR 4/1	NONE		PH
1-12	A	10YR 3/4	NONE		CLAY LOAM
12-18	B	10YR 4/4	10YR 5/3	FEW/FINE/NOV	CLAY LOAM

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: SOILS SATURATED IN 1.5' 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>		Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks - MOST LIKELY HISTORIC WETLAND IN TRANSITION  
- RARIFIED VEGETATION  
- RAIN WITHIN PAST 12 HOURS  
- RAIN W/ICE DELIVERING

SKETCH FORM

Wetland ID/Route #: <i>AR78A / AR78A-S+</i>	Date: <i>10/23/05</i>	Time: <i>10:45</i>
Initials of Delineators: <i>BSH, AIS</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>5</i>	Frames: <i>8, 7, 6</i>	



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

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR079A-UC

Project Site: <u>CLINTON CO.</u> Applicant/Owner: <u>NOTKES ON</u> Investigator: <u>AK EA</u>	Date: <u>10/23/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: <u>WETLAND</u> Transect ID: <u>AR079A</u> Plot ID: <u>551</u>	

**VEGETATION**

PBSW

Plant Community Classification:  
Percent Canopy Cover: Tree: 5% Shrub: 60% Herb: 95% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. STEEL PINE	S	FACW	9. SPECKLED ALDER	S	FACW
2. WHEATGRASS	S	FACW	10. WHITE CATTAIL	T/S	FACW
3. TALL GRASS	H	OBL	11.		
4. BATTLEWICK GRASS	H	FACW	12.		
5. TYPHA LATIFOLIA	H	OBL	13.		
6. FLEET TOEDED ALDER	H	FACW	14.		
7. SPARGANNA GRASS	L	OBL	15.		
8. SPARGANNA LATIFOLIA	L	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>UP TO 3" IN POLES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- RAIN WAZZ PERMEATING</u> <u>- RAIN WAZZ PAST 24 HRS</u> <u>- STREAM 079A/B - STE FLOWS S THROUGH WETLAND, UNDER ROBERTS ROAD TO WETLAND 079B.</u>	

ID: *W079A-UC*

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	<del>A</del>	10YR 2/1	NONE	---	OM
10-14	A	10YR 4/1	NONE	---	SANDY CLAY
14-18	A	10YR 3/1	NONE	---	SANDY CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *-OM THROUGHOUT PROFILE*  
*-NO REFUSAL OF AUGER*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?

Remarks: *PHOTO 25 ROLL 6 TO WEST*

AK579A-01

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLINTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK FH</u>	Date: <u>06-26-05</u> County: <u>CLINTON</u> State: <u>MI</u>
Do Normal Circumstances exist on the site?      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>1107A</u> Plot ID: <u>552</u>

**VEGETATION** MED SUCCESIONAL DISTURBS

Plant Community Classification: Percent Canopy Cover:      Tree: <u>80%</u> Shrub: <u>10%</u> Herb: <u>30%</u> Vine: <u>5%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>POPULUS TREMULOIDES</u>	<u>T/S</u>	<u>FACU</u>	9. <u>SALICAGO RUBRA</u>	<u>#</u>	<u>FAC</u>
2. <u>ACER RUBRUM</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>NYCTAGYNIA SACCHARUM</u>	<u>T</u>	<u>FACU-</u>	11.		
4. <u>BLACK CHERRY</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>VERGATA CANTON</u>	<u>F</u>	<u>FACU</u>	13.		
6. <u>RUBUS SP.</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>POA SP.</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>STRAWBERRY</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>22%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks: <u>RAIN DURING DELINEATION</u> <u>- RAIN 3/IN LAST 24 HRS</u>	

ID: AK079A-UP

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	0	10YR 2/1	NONE	---	SM
1-3	1	7.5YR 2.5/3	NONE	---	SANDY LOAM
3-8	2	10YR 4/0	NONE	---	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks: PHOTO 24 REL 6 TO EAST			

AK 3173-OK

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLEWON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK YH</u>	Date: <u>10/23/05</u> County: <u>CLEWON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? (If needed, explain on reverse.) <input type="radio"/> Yes <input checked="" type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>AK079B</u> Plot ID: <u>SS13</u>

**VEGETATION** 758

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>60%</u> Herb: <u>30%</u> Vine: <u>0%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>WHITE CEDAR</u>	<u>5</u>	<u>FACW</u>	9.		
2. <u>SPOTTED ALDER</u>	<u>5</u>	<u>FACW</u>	10.		
3. <u>WATERBURY</u>	<u>5</u>	<u>FACW</u>	11.		
4. <u>RED CHERRYBARK</u>	<u>4</u>	<u>FACW</u>	12.		
5. <u>SEASTIDE FERN</u>	<u>4</u>	<u>FACW</u>	13.		
6. <u>SPERMATOPHYTES</u>	<u>4</u>	<u>OBL</u>	14.		
7. <u>SWAY</u>	<u>4</u>	<u>OBL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>ROLL 5 PHOTO 2 TO WEST</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands ( <u>SCB HT</u> ) <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>LP TO 2' IN PITS</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- RAIN WHILE DELINEATING</u> <u>- RAIN UPON 12 HRS</u> <u>- STREAM 794/B - STZ FLOWS ACROSS ROAD FROM S INTO WETLAND</u>	



ID: ALC-48-WC

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1	NONE	—	OM SFT
4-12	A <sub>1</sub>	10YR 3/1	NONE	—	SFT CLAY w/OM
12-18	A <sub>2</sub>	2.5YR 2.5/1	NONE	—	SFT CLAY w/OM
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: → OM THROUGHOUT PROFILE — NO REFUSAL OF AUGER					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?
Remarks			

AR079B-UP

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLEWTON CO.</u> Applicant/Owner: <u>BRIZZON</u> Investigator: <u>AK KH</u>	Date: <u>10/23/05</u> County: <u>CLEWTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>552B</u>

**VEGETATION** MED SUCCESSIONAL DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>10%</u> Herb: <u>80%</u> Vine: <u>2%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>POPULUS TREMULOIDES</u>	<u>T/B</u>	<u>FACW</u>	9.		
2. <u>SPRAY BERRY</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>BLACK CHERRY</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>POPC SPP.</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>RUBUS</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>LOW BUSH BLUEBERRY</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>VIBURNUM VITIFOLIA</u>	<u>V</u>	<u>FACW</u>	15.		
8. <u>SUBAR MARLE</u>	<u>S</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>16%</u>					
Remarks: <u>BOUL S. PHOTO 1 TO EAST</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks: <u>RAIN DURIOUS REINTERVIEW</u> <u>-RAIN W/PIN 12 HRS</u>	

ID: AR079B-UP

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:															
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No															
Profile Description:																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.												
0-1	O	10YR 2/1	NONE	---	OM												
1-10	A	10YR 3/4	NONE	---	SILTY SAND												
10-18	B	10YR 6/8	NONE	---	SILTY SAND												
<p>Hydro Soil Indicators</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
<p>Remarks: NO REFUSAL OF AUGER</p>																	

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		Is this an Isolated Wetland?	Yes No
Remarks					

AR0796-ULC  
B

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLAYTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK FH</u>	Date: <u>10/23/05</u> County: <u>CLAYTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>551A</u>

**VEGETATION** PSS / PFO1

Plant Community Classification: Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>50%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SAGITTARIA ERIOPHYLLA</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>FLAT TOP REEDER</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>TRIAL WHEED</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>UNID. SP.</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>SPECIES REEDER</u>	<u>S</u>	<u>FACWT</u>	14.		
7. <u>UNID. WHEED</u>	<u>T</u>	<u>FACWT</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>ROLL 5 PHOTO 5 TO EAST</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>UP TO 1' IN POLES</u> Depth to Free Standing Water in Pit (in.): <u>0'</u> Depth to Saturated Soil (in.): <u>0'</u>	
Remarks: <u>RAIN WERE DETERMINING</u> <u>-RAIN W/IN LAST 12 HOURS</u>	

AP 0798-4

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-14	A <sub>1</sub>	10YR 2/1	NONE		SANDY CLAY
14-18	A <sub>2</sub>	2.5YR 12/1	NONE		CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AVEOK REPOSAL @ 18"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks			

AR079B-0

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CANTON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>12/3/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>552A</u>

**VEGETATION** MID SUCCESSIONAL MIXED CONIFER/DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>85%</u> Shrub: <u>20%</u> Herb: <u>5%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GREEN ALDER</u>	<u>S</u>	<u>FAC</u>	9. <u>...</u>		
2. <u>SLY BIRCH</u>	<u>T</u>	<u>FAC</u>	10. <u>...</u>		
3. <u>BLACK CHERRY</u>	<u>T</u>	<u>FACU</u>	11. <u>...</u>		
4. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	12. <u>...</u>		
5. <u>BASSAM BIRCH</u>	<u>T/S</u>	<u>FAC</u>	13. <u>...</u>		
6. <u>FRAXINUS TEMULOIDES</u>	<u>T</u>	<u>FACU</u>	14. <u>...</u>		
7. <u>POIN SP</u>	<u>H</u>		15. <u>...</u>		
8. <u>...</u>	<u>H</u>	<u>FACU</u>	16. <u>...</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks: <u>* SPECIES NOT IDENTIFIED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>16"</u>	
Remarks: <u>RAIN WERE DOCUMENTING</u> <u>- RAIN W/IN PAST 12 HRS</u>	

ID: A20793-UP

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-1	0	6YR 2/1	NONE	—	OM SANDY CLAY
1-5	2	10YR 2/2	NONE	—	SANDY CLAY
5-18	3	10YR 3/2	NONE	—	SANDY CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

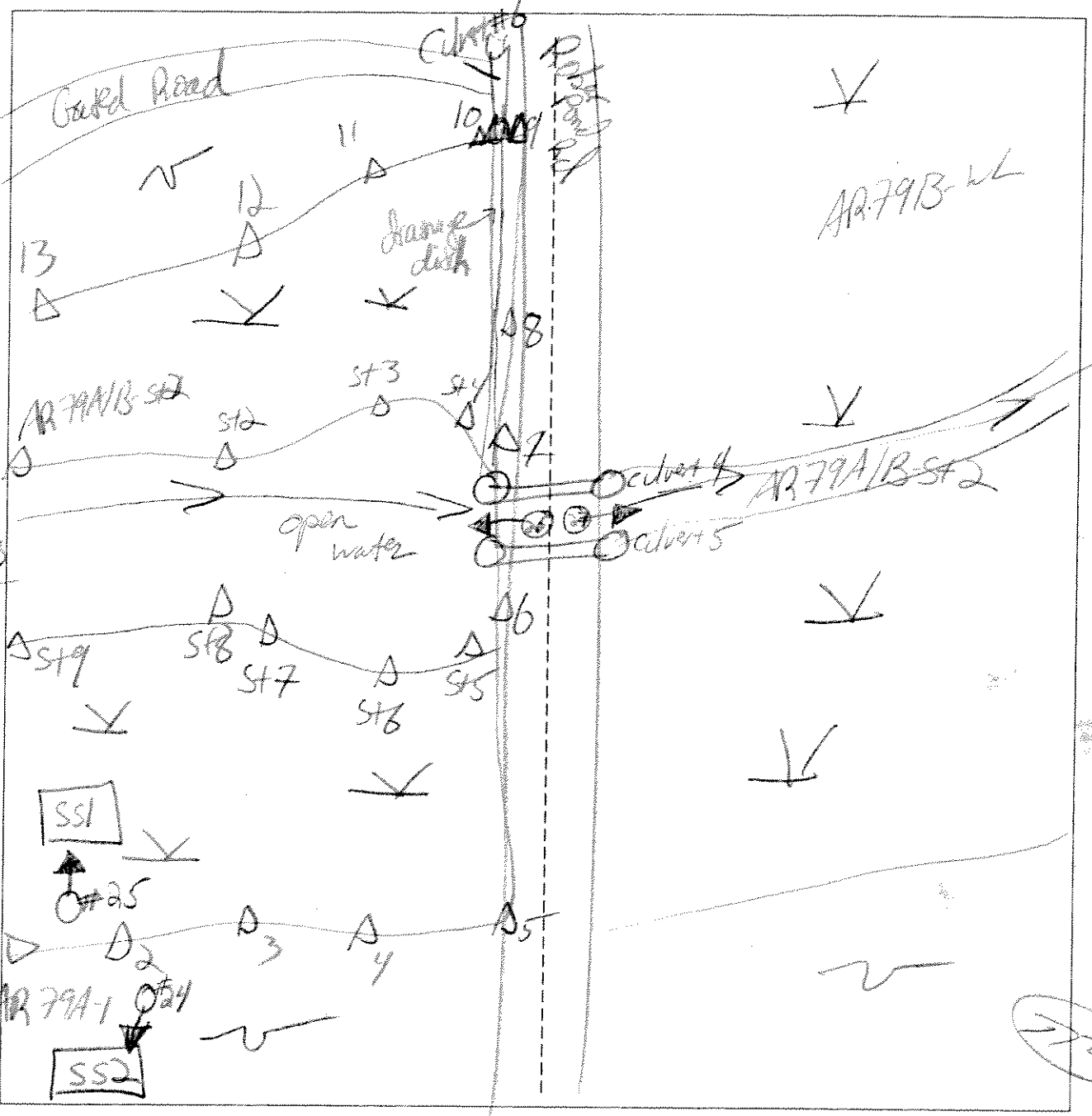
Remarks: SATURATED @ 16"  
PHOTO 4 PLOT 5 TO EAST

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	Is this an Isolated Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: AR 79A + AR 79A/B St 2	Date: 10/23/05	Time: 16:30
Intials of Delineators: KH, AH	Location: Clinton Co. Robert Road Rd	
Roll #: 6	Frames: 27, 26, 25, 24	

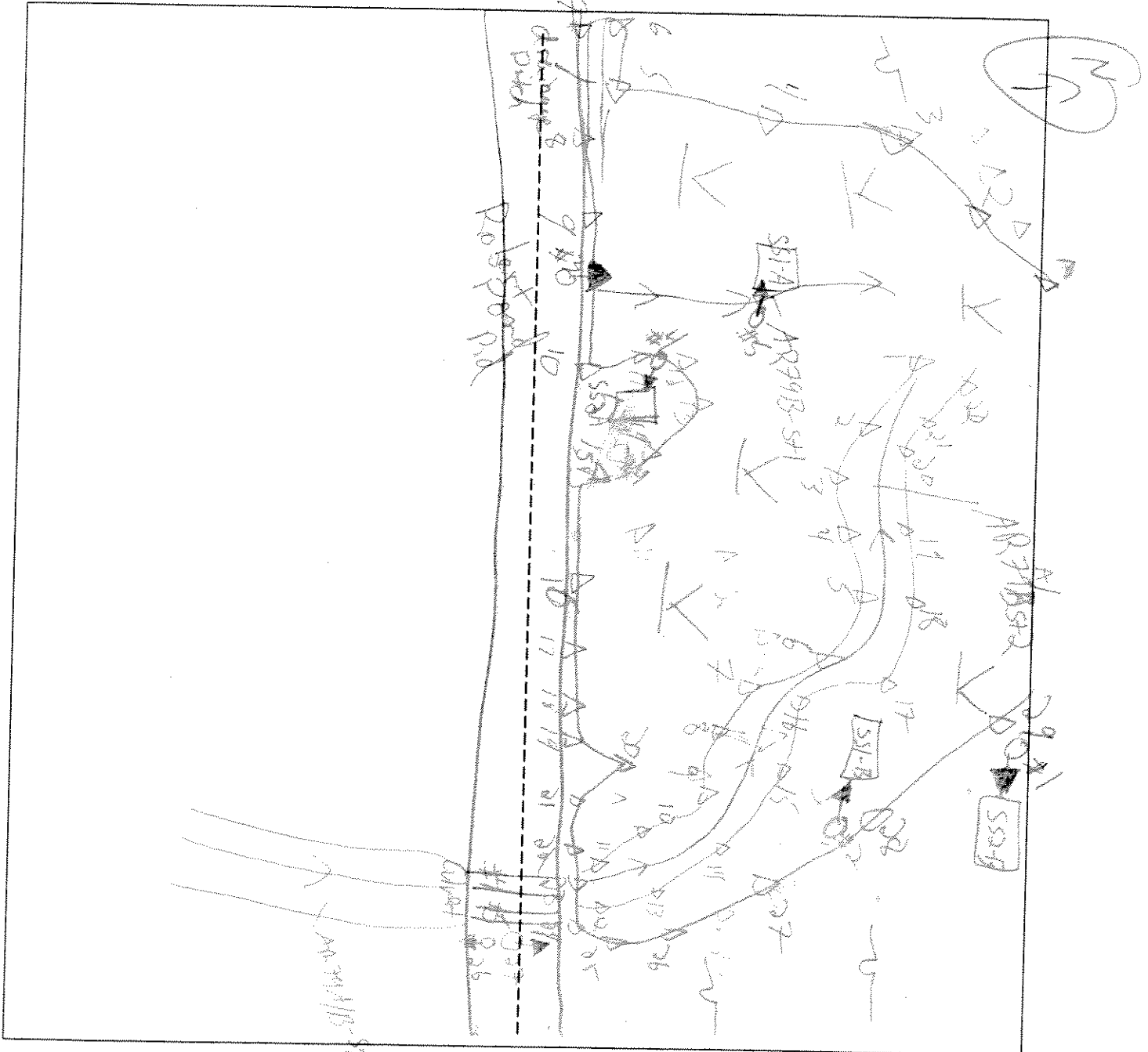


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR 79 B / AR 79 B-SH / AR 79 A / 851	Date: 10/23/05	Time: 15:00
Initials of Delineators: LH, AR	Location: Clinton Co.	
Roll #: 5	Frames: 94, 3, 2, 1	Roll # 27 N, 26 S



**Legend**

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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County, Windsor	Date: 10/25/05
Applicant/Owner: HURON	County: Clinton
Investigator: BOB, KH	State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes No</span>	Community ID: UERAN Transect ID: ARZ9C Plot ID: 551A
Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes No</span>	
Is the area a potential Problem Area? <span style="float:right">Yes No</span> (If needed, explain on reverse.)	

**VEGETATION**

PSS

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 10 Shrub: 70 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. White Cedar	T	FACW	9. Sphagnum	H	—
2. " "	S	FACW	10. Blue Top Grass	H	FACW
3. Spr. Leaf Alder	S	FACW	11. Fox Meadow Grass	H	FACW
4. Red Maple	S	FACW	12. Large Grounds	H	OBL
5. Red Maple	S	FACW	13. Dog Sp.	H	—
6. Red Willow	S	FACW	14. _____	_____	_____
7. Green Willow	S	OBL	15. _____	_____	_____
8. Smooth Fern	H	FACW	16. _____	_____	_____

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
corals in other portions of wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 2 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6 in Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	Remarks: sunny

AR 79 e - wL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-3	O/A	10YR-7/1	10YR-6/1	few/med/distrib	loam w/ organics
3-18	B	clay 5Y 4/1			clay

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input checked="" type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland? (Circle)
Yes No      Yes No      Yes No		
Remarks		

79  
113-112

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. wind farm</i> Applicant/Owner: <i>Hon 200</i> Investigator: <i>BH, RD</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>ARAC-551B</i> <span style="float: right;">79</span>

**VEGETATION**

*PFD4*

Plant Community Classification: _____ Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>40</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Atlantic white cedar</i>	<i>1</i>	<i>FACW</i>	9.		
2.	<i>5</i>	<i>FACW</i>	10.		
3. <i>Common Birch</i>	<i>1</i>	<i>FAC</i>	11.		
4.	<i>5</i>	<i>FAC</i>	12.		
5. <i>Mountain Alder</i>	<i>5</i>	<i>FAC</i>	13.		
6. <i>Speckled Alder</i>	<i>3</i>	<i>FACW</i>	14.		
7. <i>Smooth Fern</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Sensitive Fern</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>upland areas!!! within wet area</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>1.4</i> Depth to Free Standing Water in Pit (in.): <i>2.0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>raining today</i>	

ID: *AR 710-162*

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-4</i>	<i>A</i>	<i>2.5R 4/1</i>			<i>Silty clay</i>
<i>0-14</i>	<i>A</i>	<i>2.5R 6/2</i>	<i>2.5R 5/6</i>	<i>Abundant large/d. spots</i>	<i>clay</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>refusal at Auger 14 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>		
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>
Remarks			

AR 79C-0PL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wetlands</i>	Date: <i>10/25/05</i>
Applicant/Owner: <i>ADZ 220</i>	County: <i>Clinton</i>
Investigator: <i>TCH KH</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPIA11</i> Transect ID: <i>AR79C</i> Plot ID: <i>552</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *75* Shrub: *11* Herb: *5* Vine: *3*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Cedar</i>	<i>T</i>	<i>FACW</i>	9. <i>Wood Fern</i>	<i>H</i>	<i>FAC</i>
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10. <i>S</i>		
3. <i>White Cedar</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Rubus Allegheniensis</i>	<i>S</i>	<i>FACW</i>	14.		
7. <i>Partridge Berry</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>Rubus Allegheniensis</i>	<i>H</i>	<i>FACU</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *66%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks: <p align="center"><i> raining today</i></p>	

AD 790-UP

**SOILS**

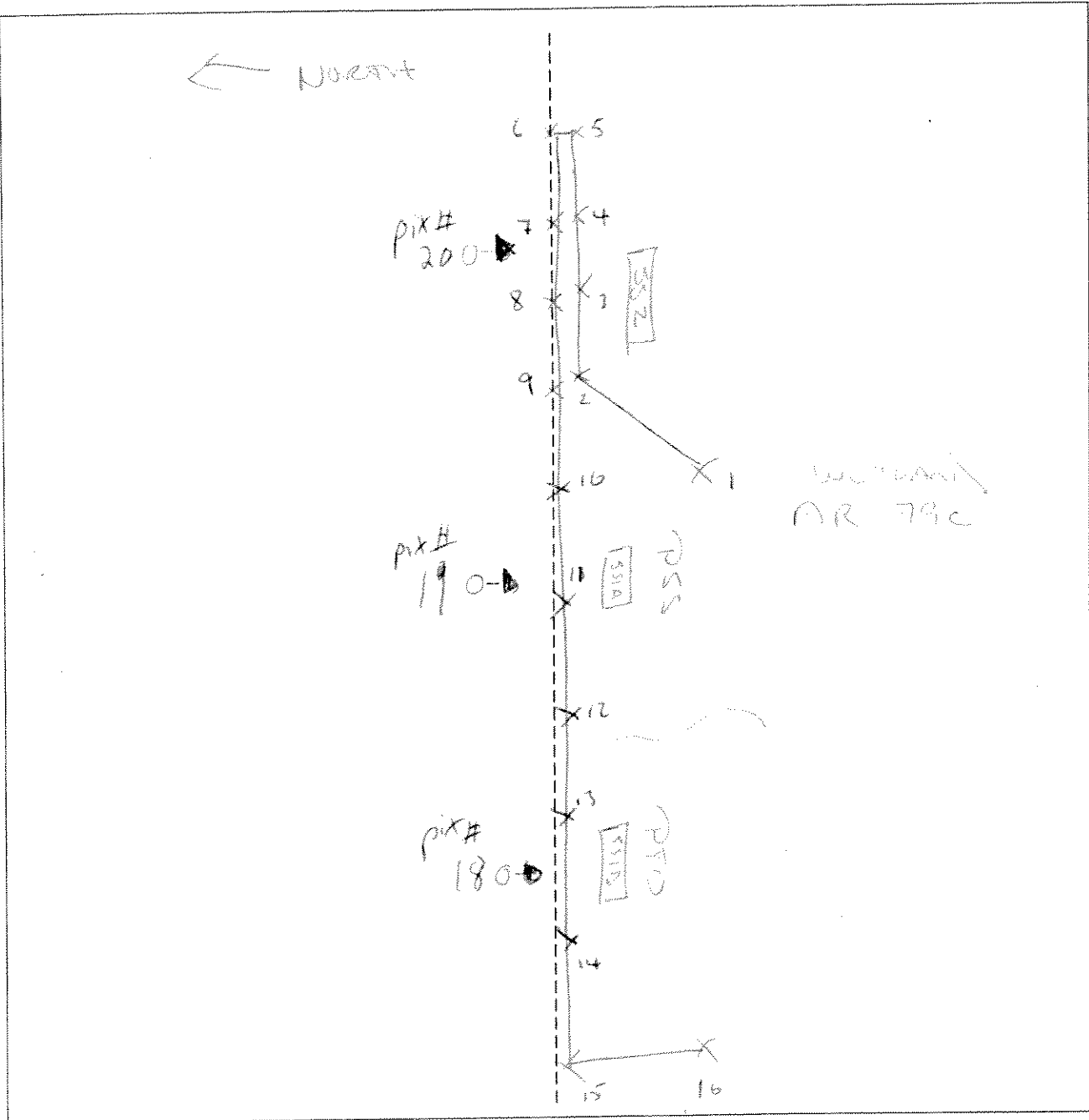
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A		10YR-3/2		silt loam with clay
2-8	A <sub>1</sub>		10YR-3/3		silt loam
10-18	A <sub>2</sub>		10YR-4/1		" "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Remarks			

SKETCH FORM

Wetland ID/Route #: AR 79c / R. State Blvd	Date: 10/25/15	Time: 0530
Initials of Delineators: RTH KH	Location: R. State Blvd	
Roll #: 6	Frames: 20, 19, 18	



Legend	
○➔	Photo Location/Direction
▭	Sample Station
- - -	Centerline
▷	Flag
∨	Wetland
—	Upland
—	Stream
- . . -	Intermittent Stream



AR80A wL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>RD, BH</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR 80A-591</i>

**VEGETATION**

Plant Community Classification: *PSS*

Percent Canopy Cover: Tree: *25* Shrub: *40* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Cedar</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Spaced Red Maple</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Red Cedar</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>Sphagnum Moss</i>	<i>H</i>	<i>-</i>	12.		
5. <i>Fern sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Field Meadow Grass</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Willow Herb</i>	<i>H</i>	<i>OBL</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *- American Elm - subordinate T*  
*- Roll 6 pit # 17 looks SE*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>2 in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>It's raining</i>	

ID: A280A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	O	10YR-2/1			peat/organic
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: sphagnum bog (floating)					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		
Wetlands Hydrology Present?	Yes	No	(Circle)	(Circle)
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

AR80A-CPL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>AD, KH</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland forest</i> Transect ID: Plot ID: <i>AR80A-552</i>

**VEGETATION**

*upland forest*

Plant Community Classification: <i>upland forest</i>					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>15</i> Herb: <i>5</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Oak</i>	<i>T</i>	<i>FACW</i>	9. <i>Bracken Fern</i>	<i>H</i>	<i>FACV</i>
2. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	10. <i>club moss</i>	<i>H</i>	<i>FAC</i>
3. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	11. <i>Canada violet</i>	<i>H</i>	<i>—</i>
4. <i>Black cherry</i>	<i>T</i>	<i>FACV</i>	12.		
5. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Balsam Fir</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>Wood Fern</i>	<i>H</i>	<i>FACV</i>	15.		
8. <i>American Elm</i>	<i>T</i>	<i>FACW-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>transitional Area</i>  <i>Roll 6 pit #16 looks w</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>DRAINING. sat. hydro positive</i>	

ID: *ADP 301*  
*07/2*

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-2</i>	<i>O</i>	<i>5YR-3/3</i>			<i>Organic</i>
<i>2-70</i>	<i>A</i>	<i>10YR-2/1</i>			<i>low % organic</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
			Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Chimney Co. Wind Farm</i>	Date: <i>Oct 7, 2008</i>
Applicant/Owner: <i>HORTON</i>	County: <i>Chilton</i>
Investigator: <i>J. Aronoff, C. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR102A SS 1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *PEW*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <i>100%</i> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Townsendia affinis</i>	<i>Herb</i>	<i>FAC W</i>	9.		
2. <i>Polygonum hydropiper</i>	<i>Herb</i>	<i>NI</i>	10.		
3. <i>Scirpus microscopus</i>	<i>Herb</i>	<i>OBL</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>unknown</i>  Depth to Saturated Soil (in.): <i>To surface</i>	
Remarks: <i>Saturated to the surface</i>	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>7 Oct 2005</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 102 ASS 2 upland</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*Open Upland*

Plant Community Classification:	Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <i>100%</i>	Vine: <input checked="" type="checkbox"/>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Tribolium repens</i>	<i>Herb</i>	<i>NI</i>	9.		
2. <i>Misc. poaceae grasses</i>	<i>Herb</i>	<i>NI</i>	10.		
3. <i>Plantago major</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Leon. tomentos. subumbra</i>	<i>Herb</i>	<i>NI</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks: <i>Heavily grazed; unable to distinguish grass species.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No hydrology indicators</i>	

ID: AR 102 A 55 2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 7/5	—	—	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Soil nearly impossible to dig into because of compaction & rockiness.					

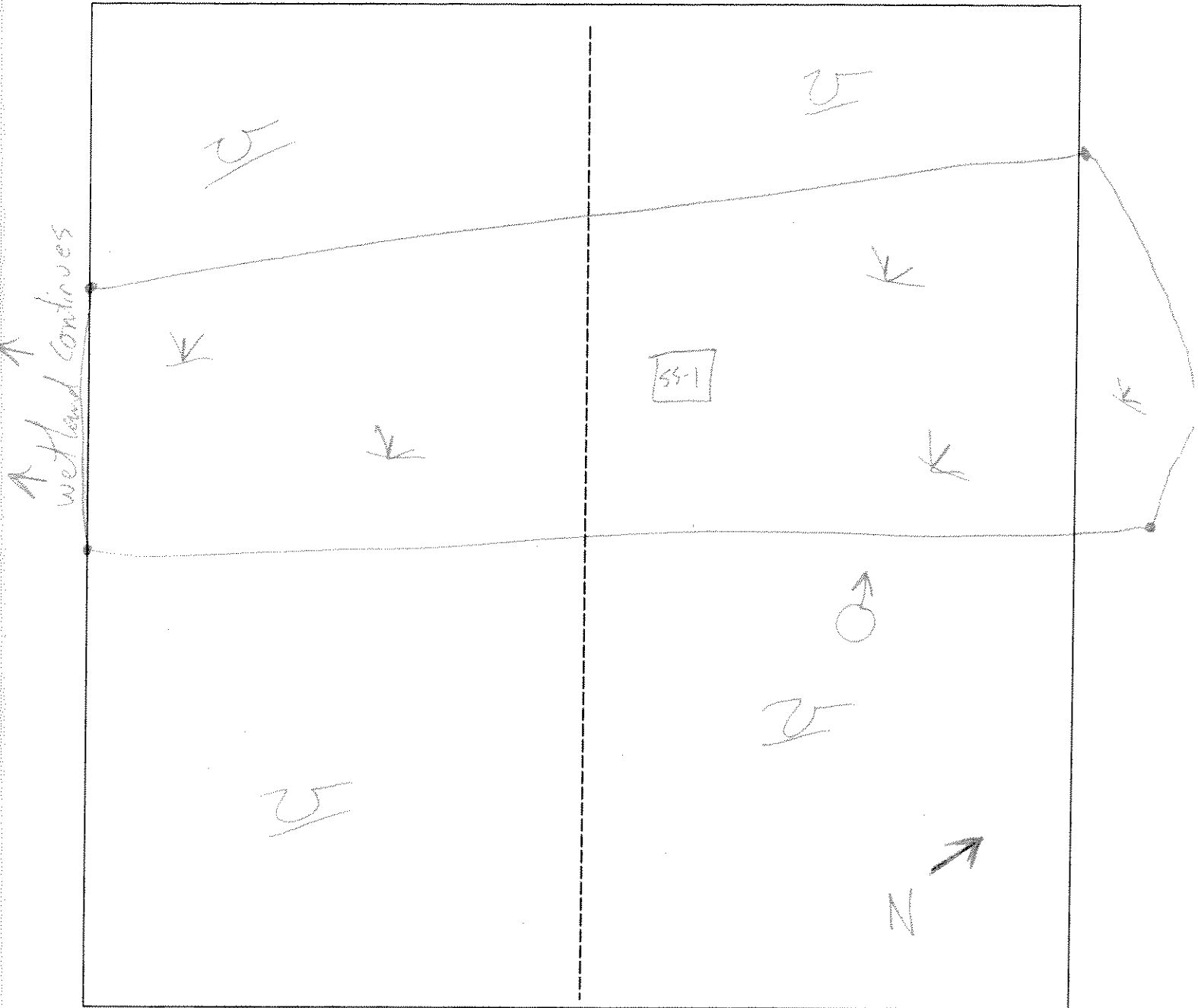
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				



**SKETCH FORM**

Wetland ID/Route #: AR 102 A	Date: 7 Oct 2008	Time: 10:30
Initials of Delineators: JA, SR	Location: Clinton Co. Upland Farm	
Roll #:	Frames: Photo looking NW	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>MORTON</i> Investigator: <i>JA, SR</i>	Date: <i>7 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR103AR SS-1</i>

**VEGETATION**

*PEM*

Plant Community Classification:  
Percent Canopy Cover: Tree:  Shrub:  Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster vimineus</i>	Herb	FAC	9.		
2. <i>Impatiens capensis</i>	Herb	FACW	10.		
3. <i>Amelanchier canadensis</i>	Herb	FACW	11.		
4. <i>Solidago rugosa</i>	Herb	FAC	12.		
5. <i>Polygonum hydropiper</i>	Herb	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated in upper 12 inches  <input type="checkbox"/> Water Marks  <input type="checkbox"/> Drift lines  <input type="checkbox"/> Sediment Deposits  <input type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil Survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <i>0</i>          Depth to Free Standing Water in Pit (in.): <i>&gt; 1m</i>          Depth to Saturated Soil (in.): <i>0</i></p>	
<p>Remarks: <i>Saturated to the surface</i></p>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/2			silt loam
5-7	sample	10YR 4/1	10YR 4/4	streaking	sand
7-14	B	10YR 5/2	10YR 6/2	low faint streak	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks Some of wetland extends, a lot into mowed field, most is PRA surrounded by trees			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wild Farm</i>	Date: <i>7 Oct 2005</i>
Applicant/Owner: <i>Holtzer</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR103 AB SS 2 - 1st</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*Upland Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Prunus serotina</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Onoclea sensibilis</i>	<i>Herb</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>67</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No indicators of hydrology</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	D	10YR 4/4	—	—	fine loam
1-10	A	10YR 4/4	—	—	sandy loam
10+14	B	10YR 4/6	—	—	sandy silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: clearly upland forest clear wetland boundary

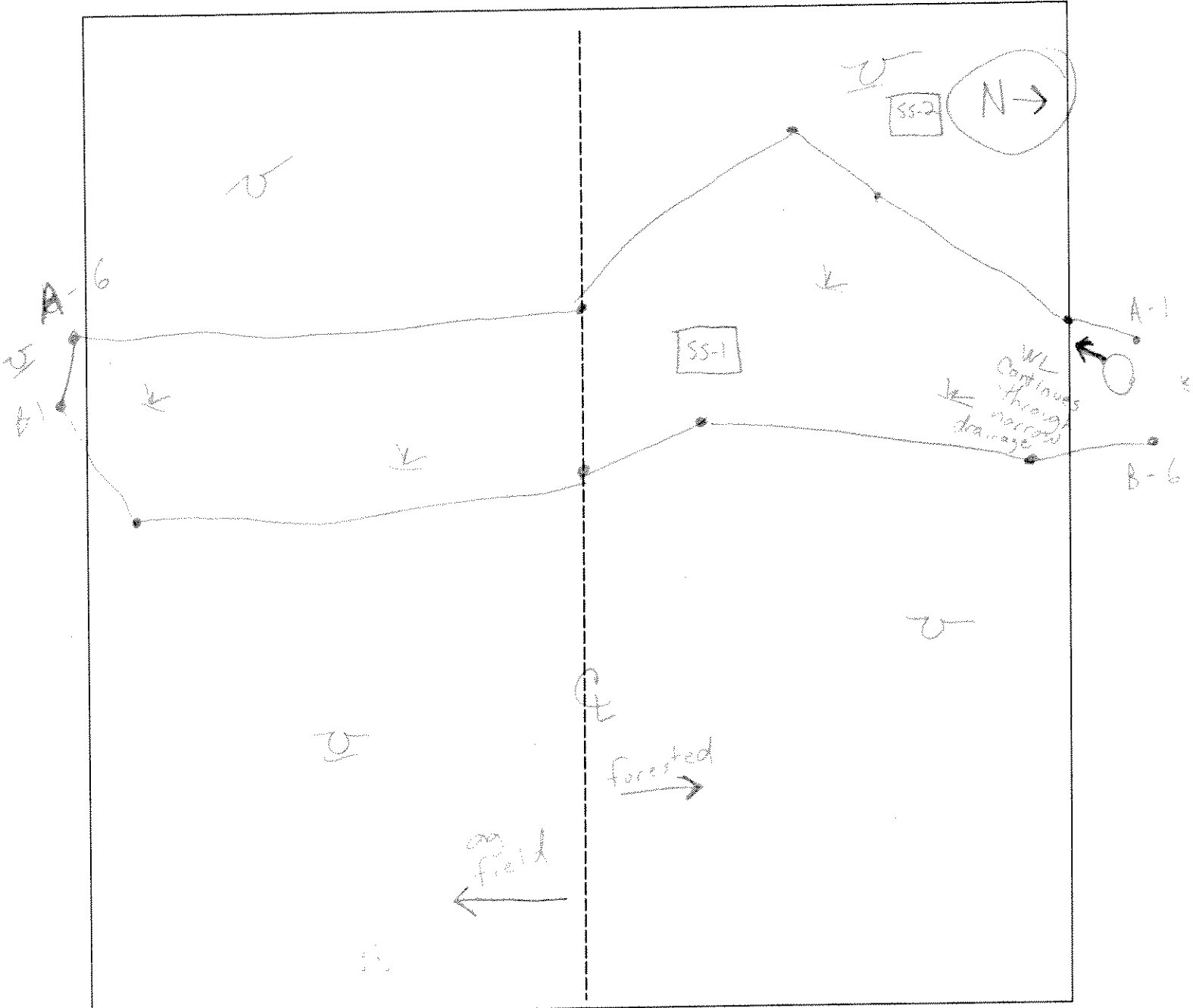
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR103AB	<b>Date:</b> 7 Oct 2005	<b>Time:</b> 11:00
<b>Initials of Delineators:</b> JA, SR	<b>Location:</b> Clinton County Wind Farm	
<b>Roll #:</b>	<b>Frames:</b> Photos L SW	



<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∇	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>Huron</i> Investigator: <i>J. Arnett, S. Ryan</i>	Date: <i>7 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR105A5C1</i>

**VEGETATION**

*Wetland, PSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input type="checkbox"/>	Herb: <input type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix</i>	95	Shrub			
2. <i>Onoclea sensibilis</i>	10	Herb			
3. <i>Acer rubrum</i>	10	Tree			
4. <i>Praxinus pennsylvanica</i>	5	Shrub			
5. <i>Potamogeton</i>	2	Shrub			
6.					
7.					
8.					

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *00%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&lt; 12</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface down PUA along bank edge</i>	

ID: AR 105 A 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 5/2			sandy silt loam
6-14	B	10YR 5/2	10YR 5/6	few, faint	sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

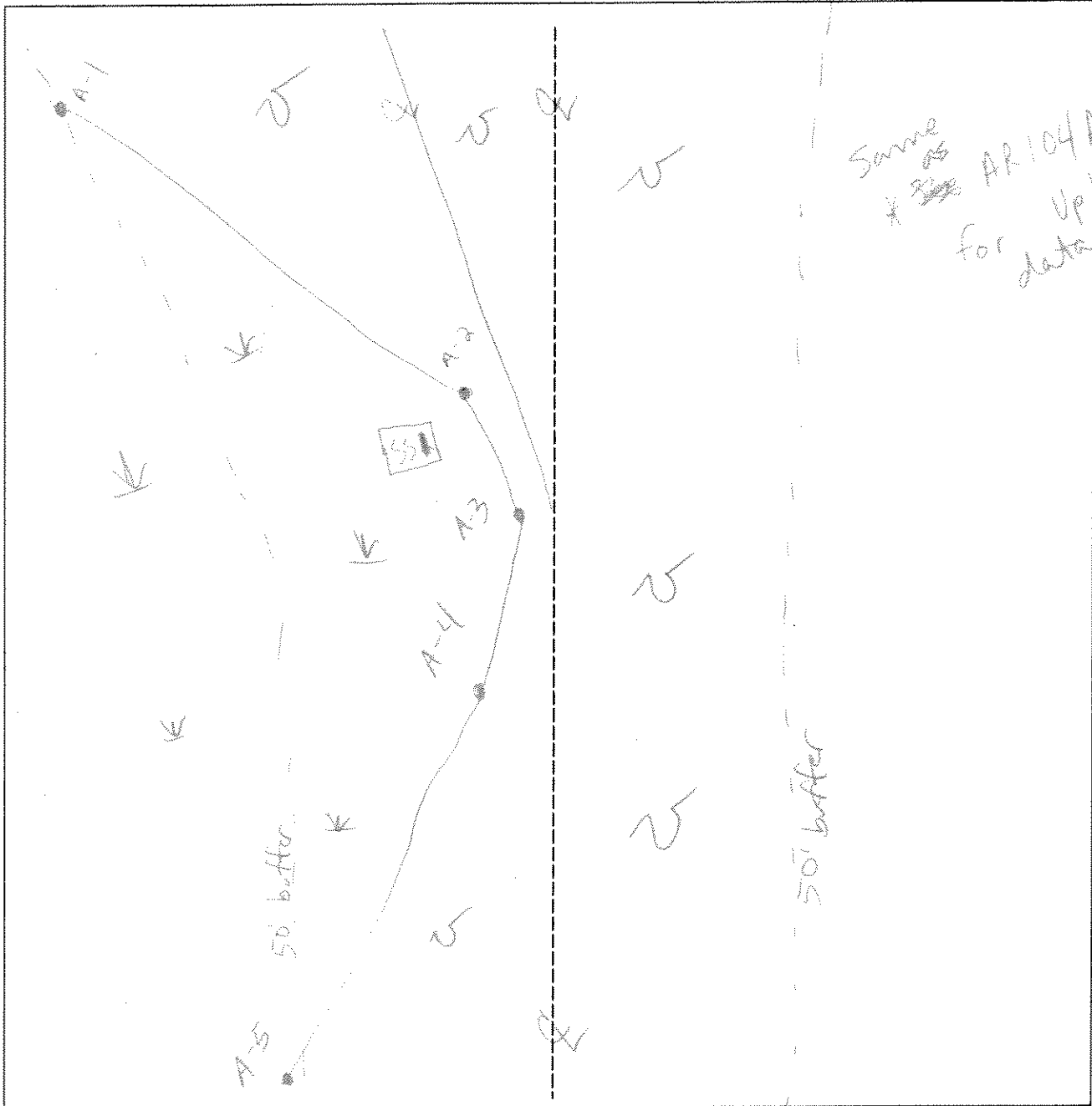
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	<input type="radio"/> Yes	<input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Is this an Isolated Wetland?	<input type="radio"/> Yes
Remarks					
up - 1 pit on AR 105 A 552					



**SKETCH FORM**

Wetland ID/Route #: AR 105 A	Date: 10-7-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames: Photo from distance looking W	



<b>Legend</b>	
○▼ Photo Location/Direction	∇ Wetland
□ Sample Station	U Upland
- - - Centerline	— Stream
▷ Flag	- · - Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. West Farm</i> Applicant/Owner: <i>Murphy</i> Investigator: <i>J. Arnett, S. Rye</i>	Date: <i>9 October 2009</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR III AD SS-1</i>

**VEGETATION**

*(PTO)*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>100</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Alnus striata 20</i>	<i>Herb</i>	<i>OBL</i>	<i>9. Ulmus americana 5</i>	<i>Tree</i>	<i>FACW</i>
<i>2. Carex scabrata 40</i>	<i>Herb</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Athyrum filix femina 15</i>	<i>Herb</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Dryopteris 15</i>	<i>Herb</i>	<i>FAC+</i>	<i>12.</i>		
<i>5. Acer rubrum 50</i>	<i>Tree</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Quercus alleghaniensis 50</i>	<i>Tree</i>	<i>FAC</i>	<i>14.</i>		
<i>7. Fagus grandifolia 5</i>	<i>Shrub</i>	<i>FACU</i>	<i>15.</i>		
<i>8. Impatiens capensis 10</i>	<i>Herb</i>	<i>FACU</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50</i>					
Remarks: <i>Fagus is listed as both FACU and FAC+ - either way, hydrophytes predominate</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>to 8"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to surface throughout, to 8" deep in ponding along stream cover</i>	

ID: AR III AB 55-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	fine clay
6-14	D	10YR 7/1	—	—	—
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks well developed PFO, along stream channel - water in stream mostly not moving.			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wood Farm</i>	Date: <i>9 Oct 2007</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR III AB SS-2 upland</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *70* Shrub: *70* Herb: *20%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Tilia americana</i> 35	Tree	FACU	9. <i>orchid sp. fr.</i> +	H	unknown
2. <i>Taxa canadensis</i> 5	Tree	FACU	10. <i>Aster umbellatus</i> 1	H	FACW
✓ 3. <i>Betula alleghaniensis</i> 20	Tree	FAC	11. <i>Taraxacum officinale</i> +	H	FACU-
4. <i>Acer saccharinum</i> 10	Tree	FACU-	12.		
✓ 5. <i>Rubus idaeus</i> 50	Shrub	FACU	13.		
6. <i>Sambucus racemosa</i> 10	Shrub	FACU-	14.		
✓ 7. <i>Dryopteris sp. imbr.</i> 20	Herb	FACU	15.		
8. <i>Acer saccharinum</i> 10	Shrub	FACU-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *25*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No evidence of hydrology</i>	

**SOILS**

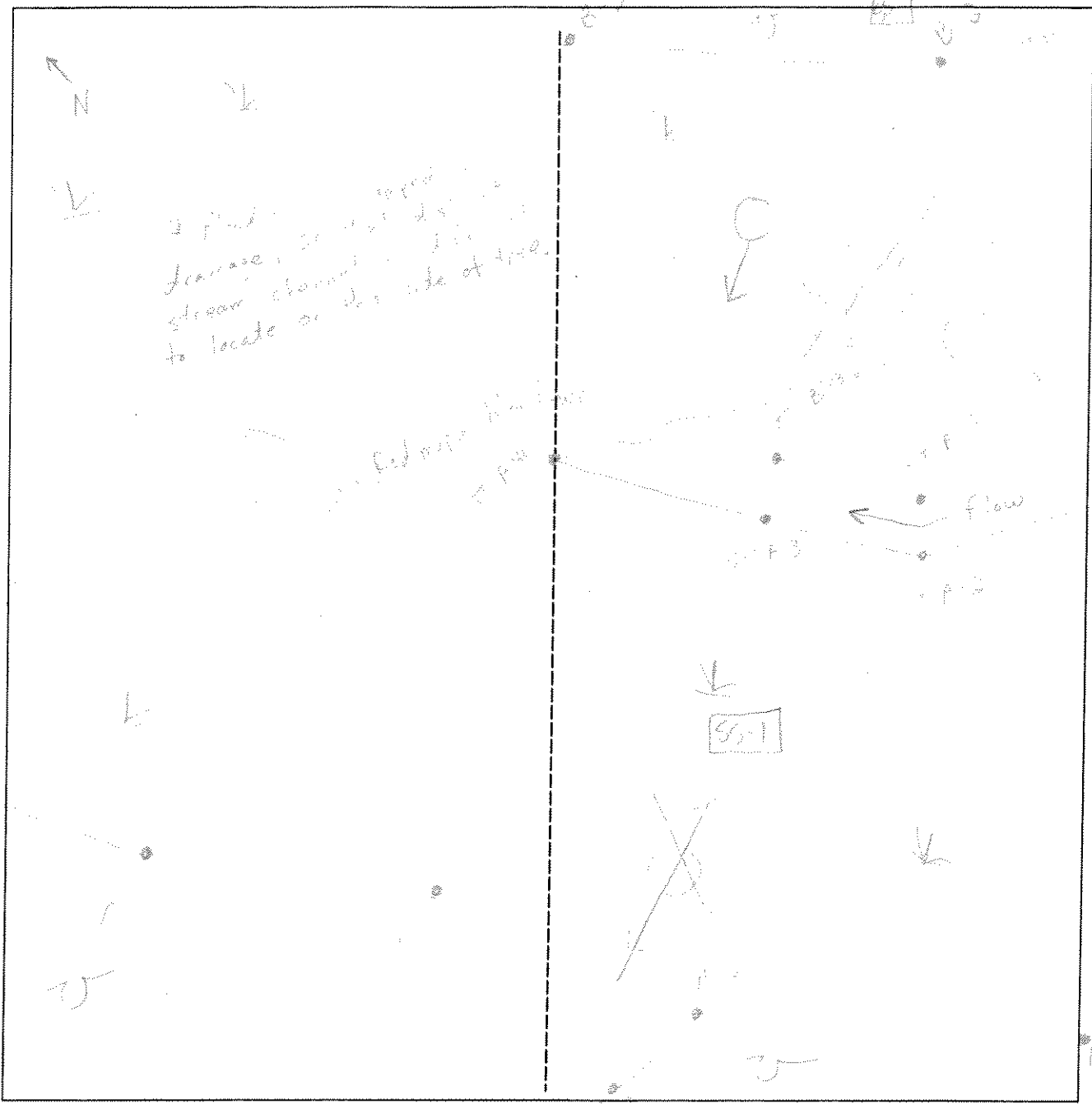
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	10YR 2/1			loose, peat
2-5	A	10YR 2/1			silt loam
5-14	B	10YR 7/2	10YR 5/0	Many distinct	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks				
<p>Terrain above flat bottom of the creek has plants</p> <p style="text-align: center;">creek</p>				

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 111 AB	<b>Date:</b> 9 Oct 2005	<b>Time:</b> 10:15
<b>Intials of Delineators:</b> JA, CR	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b> photo to West		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wood Farm</i>	Date: <i>10 October 2005</i>
Applicant/Owner: <i>HORRAN</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan, J. Farrell</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR114A/B SS-1</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*(PTO)*

Plant Community Classification:  
Percent Canopy Cover: Tree: *100* Shrub: *0* Herb: *100* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula alleghaniensis 80</i>	<i>T</i>	<i>FAC</i>	9.		
<i>2. Ulmus americana 10</i>	<i>T</i>	<i>FACW</i>	10.		
<i>3. Glycyrrhiza striata 95</i>	<i>H</i>	<i>OBL</i>	11.		
<i>4. Desmodium illinoense 10</i>	<i>H</i>	<i>FACW</i>	12.		
<i>5. Aster multiflorus 5</i>	<i>H</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface</i>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 7/1	—	—	sandy silt (loam), high organic
> 6"	rock				
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Thin organic soil over cobbles, presumably deposited on top of stream meander zone					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks: Narrow wetland that occupies the stream meander zone of a small stream.			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>HORTON</i> Investigator: <i>J. Aruff, C. Ryan, J. Farrell</i>	Date: <i>10 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>ARI14AB-S1 2</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>20</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<input checked="" type="checkbox"/> 1. <i>Abies balsamea</i> 15	T	FAC	9.		
<input checked="" type="checkbox"/> 2. <i>Prunus</i> 15	T	FACU	10.		
<input checked="" type="checkbox"/> 3. <i>Populus tremuloides</i> 20	S	FACU	11.		
<input checked="" type="checkbox"/> 4. <i>Fagus grandifolia</i> 10	T		12.		
<input checked="" type="checkbox"/> 5. <i>Celtis occidentalis</i> 20	T	FAC	13.		
<input checked="" type="checkbox"/> 6. <i>Dryopteris intermedia</i> 10	H	FACU	14.		
<input checked="" type="checkbox"/> 7. <i>Oxycoccus sensibilis</i> 10	H	FACW	15.		
<input checked="" type="checkbox"/> 8. <i>Corylus cornuta</i> 15	S	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/7 = 43%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 8</i> Depth to Saturated Soil (in.): <i>&gt; 8</i>	
Remarks: <i>No evidence of hydrology. Unable to get deeper than 8" because of rock subsurface</i>	

ID: AR114AB SS 2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	—	—	silty loam fine

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: Marginal det. of hydric soils - unable to get to deeper horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes No

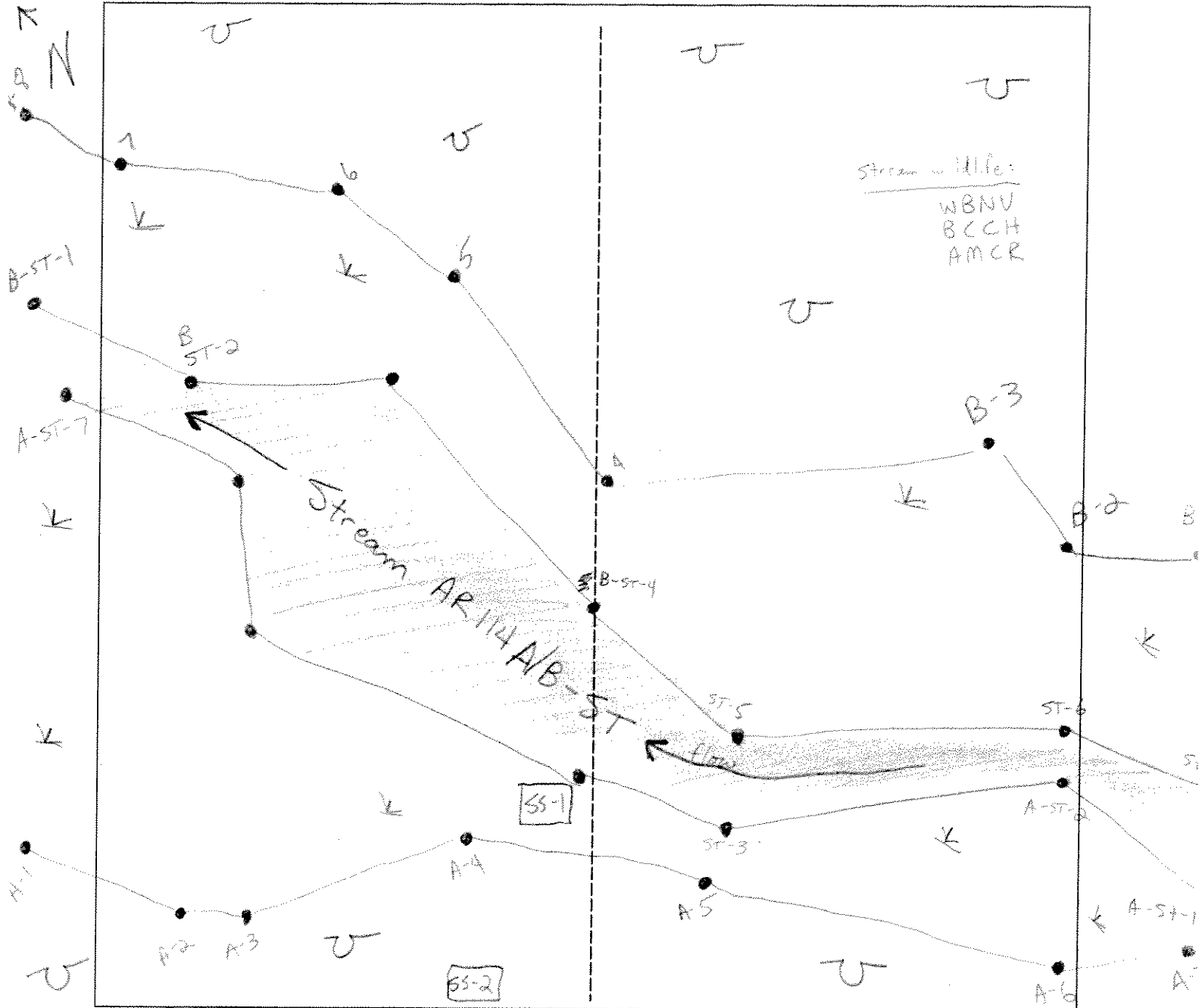
Remarks

3/23  
7/20  
10/1

13  
7/30  
18/0  
2/0

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR114 A/B with AR114 A/B-ST	<b>Date:</b> 10-10-05	<b>Time:</b> 12:30 pm
<b>Intials of Delineators:</b> S.R. J.A.	<b>Location:</b> Clinton County Wind Farm	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i>	Date: <i>10 Oct 2005</i>
Applicant/Owner: <i>HOA/owner</i>	County: <i>Clinton</i>
Investigator: <i>J. Aronoff, S. Ryan, J. Farrell</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR15A/DC SS 1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PSS.*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>90</i> Herb: <i>60</i> Vine: <i>20</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<input checked="" type="checkbox"/> 1. <i>Alnus rugosa</i> 20	<i>S</i>	<i>FACW+</i>	<input checked="" type="checkbox"/> 9. <i>Rubus phoeniceus</i> 20	<i>H</i>	<i>FACW</i>
<input checked="" type="checkbox"/> 2. <i>Acer rubra</i> 10	<i>T</i>	<i>FAC</i>			
<input checked="" type="checkbox"/> 3. <i>Thuja occidentalis</i> 15	<i>T</i>	<i>FACW</i>			
<input checked="" type="checkbox"/> 4. <i>Rubus araliifolius</i> 5	<i>S</i>				
<input checked="" type="checkbox"/> 5. <i>Osmunda cinnamomea</i> 20	<i>H</i>	<i>FACW</i>			
<input checked="" type="checkbox"/> 6. <i>Aster multiflorus</i> 15	<i>H</i>	<i>FACW</i>			
<input checked="" type="checkbox"/> 7. <i>Clematis virginiana</i> 20	<i>V</i>	<i>FAC</i>			
<input checked="" type="checkbox"/> 8. <i>Onoclea sensibilis</i> 5	<i>H</i>	<i>FACW</i>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>11</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated at surface. Ponds water elsewhere in wetland</i>	

ID: AR 115 NR/c SS 1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-12	A	10YR 2/1	—	—	silt, high organic
12+	B	10YR 4/1	—	—	silt loam, high organic

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:








**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks: Extension PSS dominated by Alnus.				

SKETCH FORM

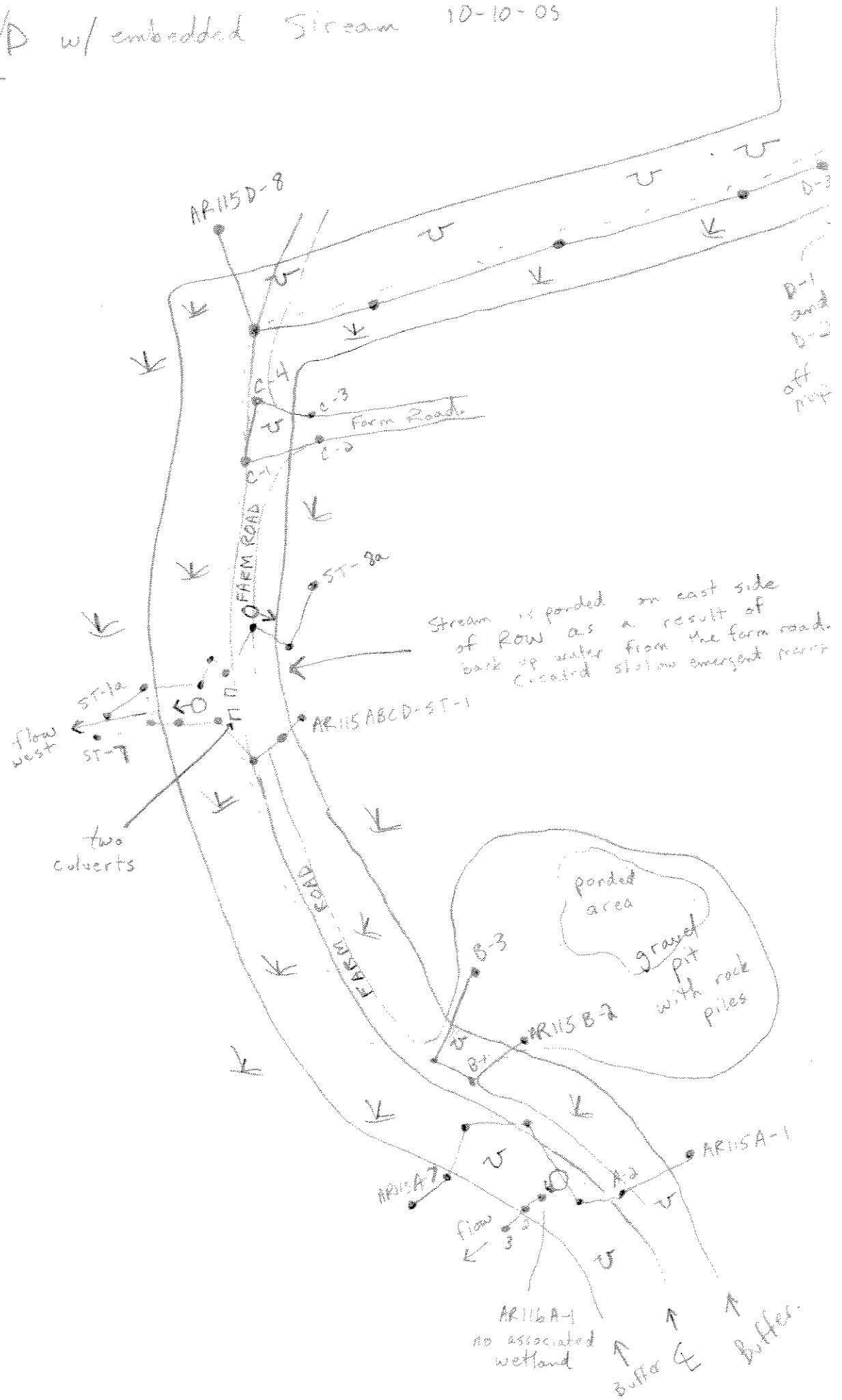
Wetland ID/Route #: AR115A/B/C/D with AR115A/B/C/D-5	AR115A-5T	Date: 10-10-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm		
Roll #:	Frames:		



<b>Legend</b>	
 Photo Location/Direction	 Wetland
 Sample Station	Upland
 Centerline	 Stream
 Flag	 Intermittent Stream

AR 115 A/B/C/D w/ embedded Stream 10-10-05  
 and  
 AR 116 A-ST

↑  
N



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wood Farm</u> Applicant/Owner: Investigator: <u>J. Arnold, J. Farrell, S. Ryan</u>	Date: <u>11 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 117 A CC-1</u>

**VEGETATION**

(PSS)

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="radio"/>	Shrub: <u>90</u>	Herb: <u>100</u>	Vine: <u>10</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Alyx rugosa</u> 40	S	FACW	9.		
2. <u>Aster umbellatus</u> 5	H	FACW	10.		
3. <u>Solidago rugosa</u> 5	H	FAC	11.		
✓ 4. <u>Osmunda sensibilis</u> 20	N	FACW	12.		
→ ✓ 5. <u>Carex</u> 70	H	FAC	13.		
✓ 6. <u>Osmunda cinnamomea</u> 20	H	FACW	14.		
✓ 7. <u>Clematis virginiana</u> 10	V	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <input type="radio"/>  Depth to Free Standing Water in Pit (in.): <input type="radio"/>  Depth to Saturated Soil (in.): <input type="radio"/>	
Remarks: <u>Saturated at the surface</u>	



ID: AR117 A 531

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/1	—	—	silty, organic muck
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, <del>Surface Layer in Sandy Soils</del> <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Sopping wet dark mud over rock - unable to get deeper than 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton Co. Wind Farm	Date: 11 Oct 2005
Applicant/Owner: Harsco	County: Clinton
Investigator: J. Arnold, J. Farrell, S. Ryan	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: AR117A552
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Upland

Plant Community Classification:  
Percent Canopy Cover: Tree: 40 Shrub: 90 Herb: 25 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ulmus americana 40	T	FACW-	9.		
2. Rubus allegheniensis 20	S	FACW-	10.		
3. Corylus cornuta 70	S	FACW-	11.		
4. Dryopteris intermedia 15	H	FACW	12.		
5. Carex lasiocarpa 10	H	FACW-	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): > 8 Depth to Saturated Soil (in.): > 8	
Remarks: No indicators of hydrology	

ID: AR117 A 552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-4	A	10YR 2/1	—	—	silt loam
4-8	B	2.5Y 5/2	—	—	sandy silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

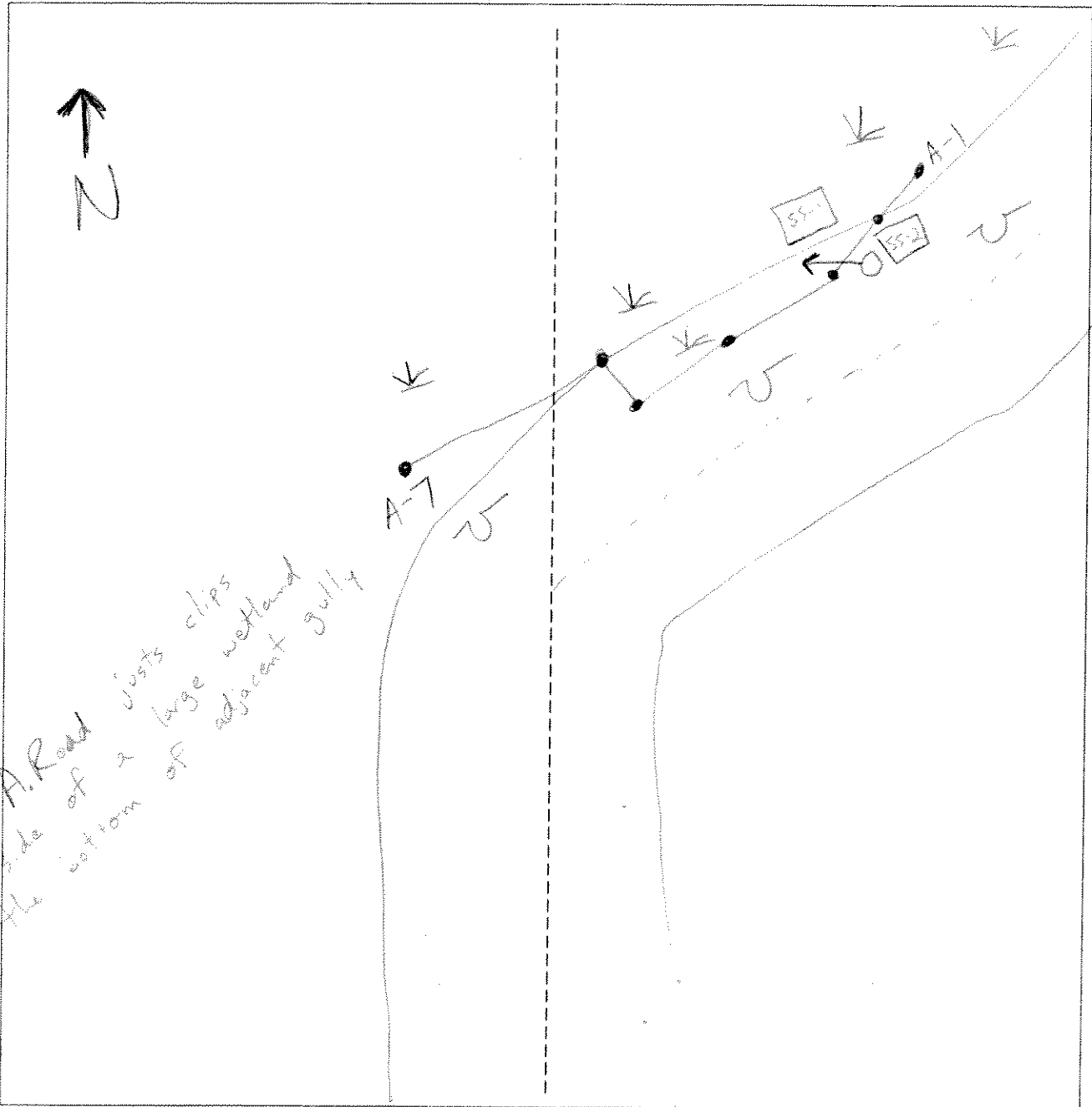
Remarks: unable to probe deeper than 8" - rock

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: steep slope facing down to ASS wetland			

SKETCH FORM

Wetland ID/Route #: AR117A	Date: 10-11-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



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

36015

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton Co. Wind Farm</u>	Date: <u>11 Oct 2005</u>
Applicant/Owner: <u>HORIZON</u>	County: <u>Clinton</u>
Investigator: <u>J. Arnold, J. Arnold, S. Ayer</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>AR118AB 551</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

PCU

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <u>100</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Typha latifolia</u>	<u>H</u>	<u>OBL</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>to 6"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

ID: AR118A/B 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 8/1			organic, wavy
12+	B	10YR 5/5	10YR 5/8	low distinct tone	sandy, 100%

**Hydro Soil Indicators**

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
100% organic species, mottled, low organic hydric soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
				Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>11 Oct 2005</i>
Applicant/Owner: <i>HORTON</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnold, J. Farrell, St Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR118 A/B 55-2</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*Upland shrub*

Plant Community Classification:

Percent Canopy Cover: Tree:  Shrub: *30* Herb: *75* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Prunus serotina 20</i>	<i>S</i>	<i>FACW</i>	<i>9.</i>		
<i>2. Ribus idaeus 10</i>	<i>S</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Ribus odoratus 5</i>	<i>S</i>	<i>FACW</i>	<i>11.</i>		
<i>4. Solidago rugosa 75</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *25%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>No evidence of hydrology</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 3/2	—	—	Sandy loam
2-12	D	10YR 3/2	—	—	Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

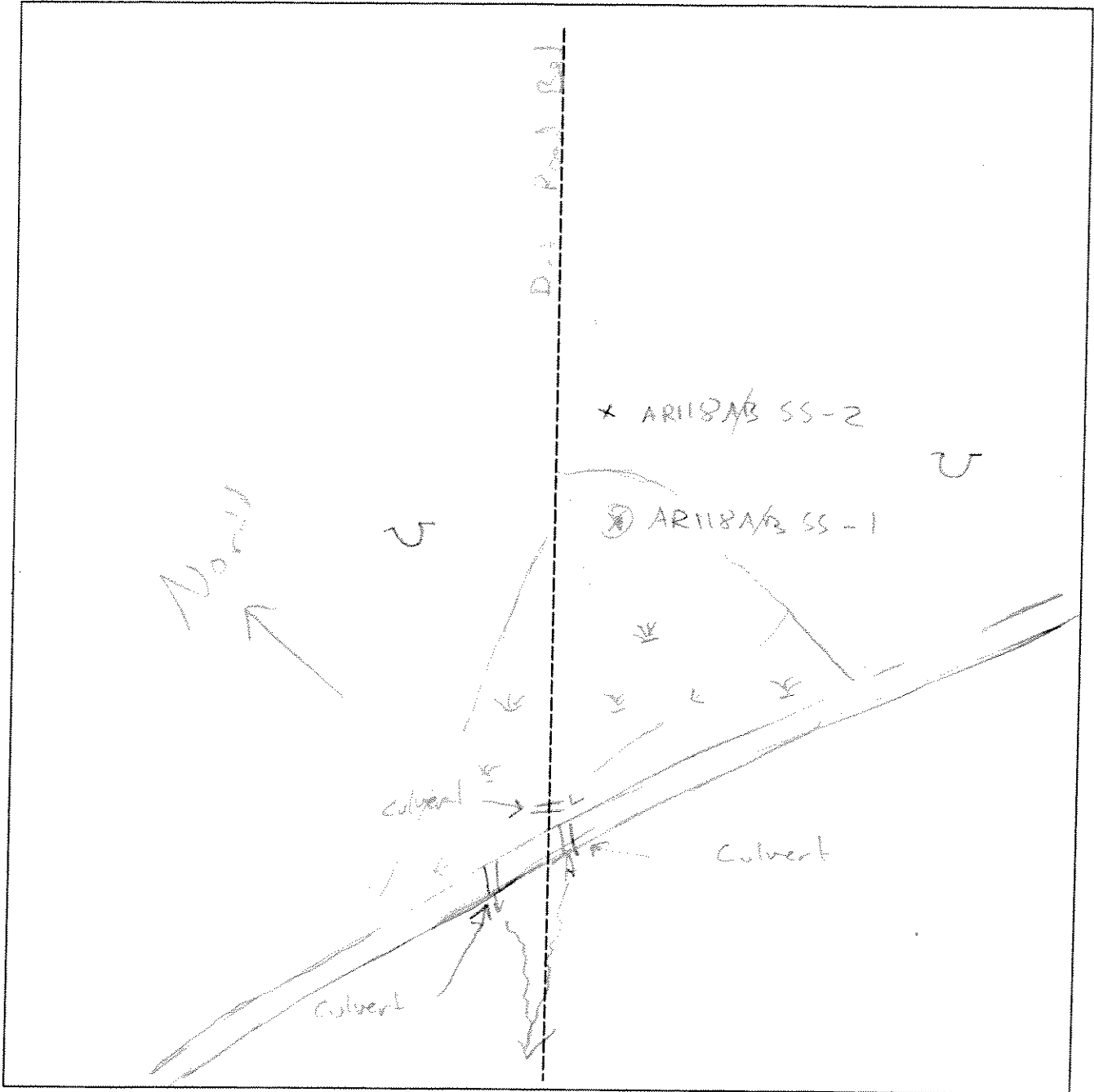
Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>
			Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>

Remarks



SKETCH FORM

Wetland ID/Route #: AR118AB	Date: 11 Oct 2005	Time: 1:00
Initials of Delineators: JA, JF, SR	Location: Clinton County Wash Farms	
Roll #: Photo 10 NE	Frames:	



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

W10 83

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i>	Date: <i>12 Oct 2005</i>
Applicant/Owner: <i>HOETZ</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR119 AB 551</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PSS*

Plant Community Classification:						
Percent Canopy Cover: Tree: <i>15</i> Shrub: <i>80</i> Herb: <i>70</i> Vine: <input checked="" type="checkbox"/>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
<i>1. Urtica americana</i>	<i>15</i>	<i>T</i>	<i>FACW+</i>	<i>9.</i>		
<i>2. Alnus rugosa</i>	<i>80</i>	<i>S</i>	<i>FACW+</i>	<i>10.</i>		
<i>3. Glycyrrhiza striata</i>	<i>40</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. Onoclea sensibilis</i>	<i>20</i>	<i>H</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Aster cubellatus</i>	<i>10</i>	<i>H</i>	<i>FACW</i>	<i>13.</i>		
<i>6.</i>				<i>14.</i>		
<i>7.</i>				<i>15.</i>		
<i>8.</i>				<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4 ft to 12"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Large wetland, upper reaches of Hinchbrook Brook</i>	

ID: AR118A 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0 - 6	A	10YR 3/2	---	---	much
6 - 18	B	10YR 3/1	---	---	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)		(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
			Is this an Isolated Wetland?	<input type="radio"/> Yes	<input type="radio"/> No
Remarks: Large well developed PSS - across the driveway.					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood Farm</i>	Date: <i>12 Oct 2005</i>
Applicant/Owner: <i>H. Barton</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: Transect ID: Plot ID: <i>AR119 AB SS-2</i>

**VEGETATION**

*Upland Shrub*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>95</i>	Shrub: <i>50</i>	Herb:	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Acer rubrum</i> 95	T	FAC	✓ 9. <i>Solidago canadensis</i> 20	H	FACU
✓ 2. <i>Alnus rugosa</i> 5	S	FACW+	10.		
✓ 3. <i>Fraxinus pennsylvanica</i> 10	S	FACW	11.		
✓ 4. <i>Acer rubrum</i> 5	S	FAC	12.		
✓ 5. <i>Prunus serotina</i> 20	S	FACU	13.		
✓ 6. <i>Ambrosia</i> 10	S	NI	14.		
✓ 7. <i>Symphoricarpos</i> 5	S	OBL	15.		
✓ 8. <i>Parus</i> 10	H	FAC*	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks: <i>✓ assume FAC on water</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No indicators of hydrology</i>	

**SOILS**

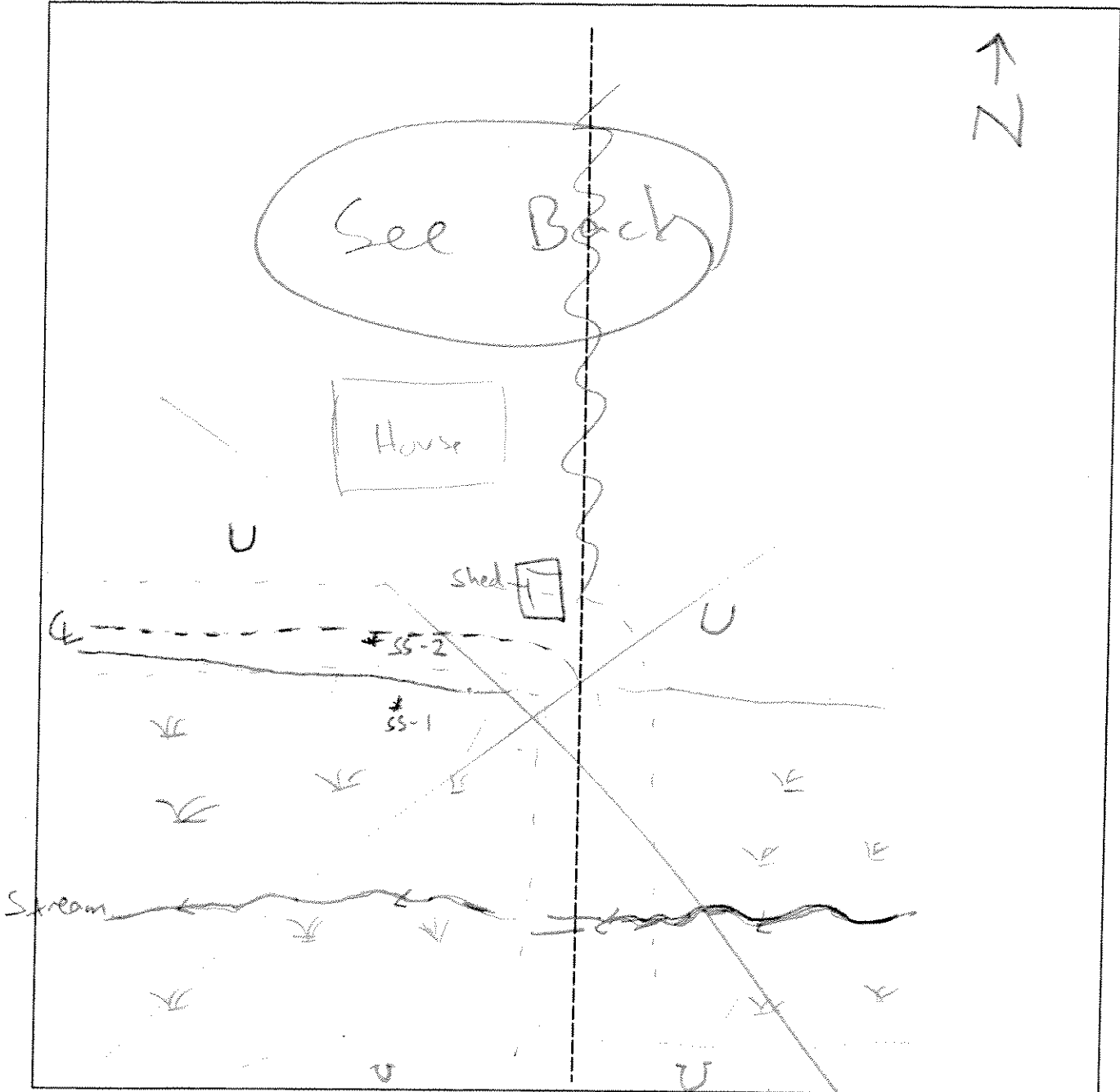
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-6	A	10YR 7/1	—	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Hard rock beneath thin soil - unable to get deeper than 6"					

**WETLAND DETERMINATION**

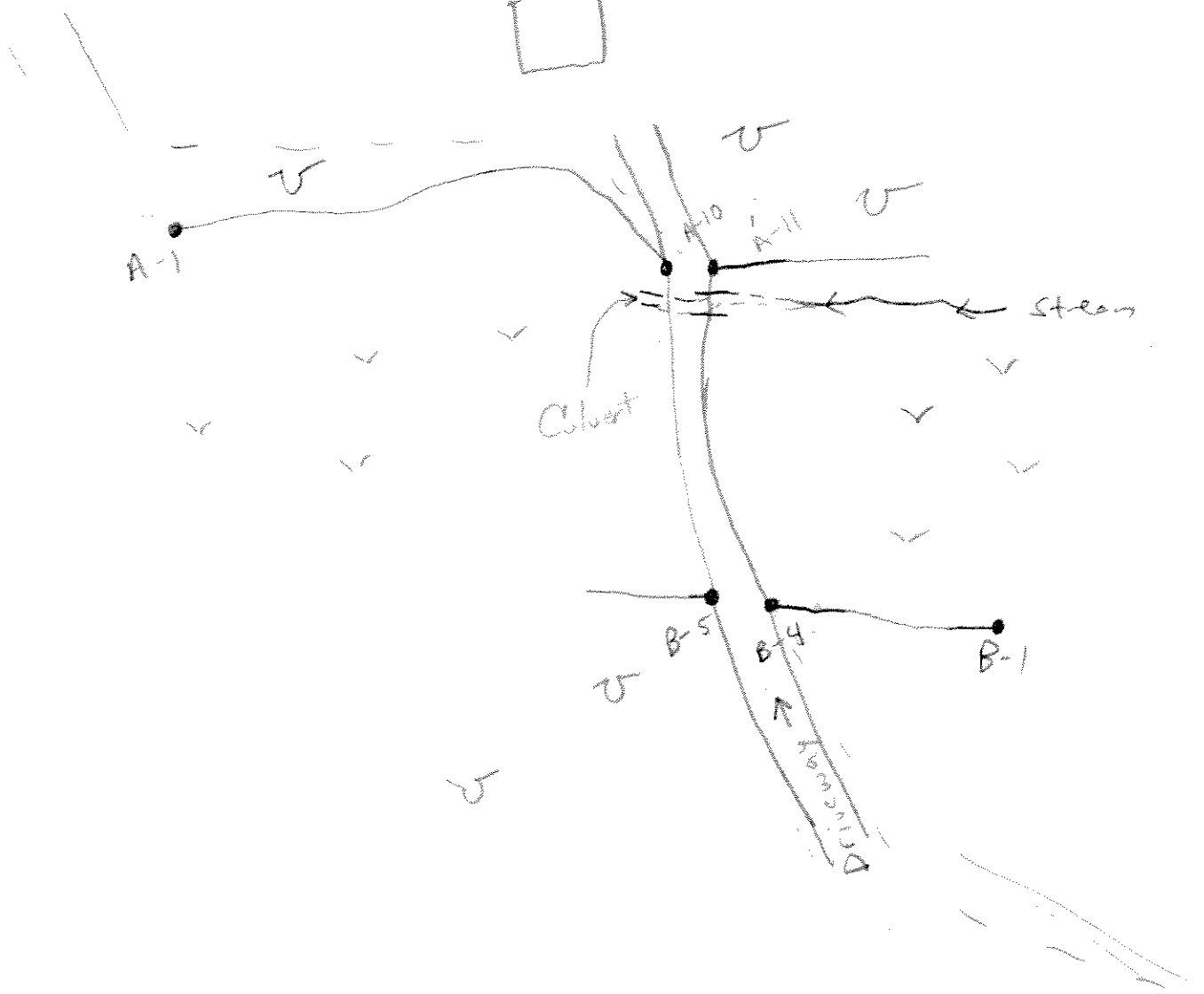
Hydrophytic Vegetation Present?	Yes	No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No
Remarks: Upland slope adjacent to PSS wetland, between the wetland and cleared fields.					

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR119 AB	<b>Date:</b> 12 Oct 2005	<b>Time:</b> 0930
<b>Initials of Delineators:</b> JA, SR	<b>Location:</b> Clinton Co. Wind Farm	
<b>Roll #:</b>	<b>Frames:</b> Photos E + W near stream crossing by road	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR120Y-WL

Project Site: <i>Clinton Co. Windsor</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KIT, AK, JB</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: Plot ID: <i>AR120Y-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM/PS5</i> Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>50</i> Herb: <i>60</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Green Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Green Birch</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>		13.		
6. <i>Moss sp</i>	<i>H</i>		14.		
7. <i>Lady fern</i>	<i>H</i>	<i>FAC</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>photo roll 5 pit # 20 looks fast</i> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <i>- Jurcus Estuaries in other areas of wetland</i> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <i>wetland hydrologically connected to AR120A, which is extended by AR120X 5/10 line</i> </div> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>UP TO 2' IN PLACES</i>  Depth to Free Standing Water in Pit (in.): <i>0"</i>  Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>STANDING WATER IN MIDDLE WETLANDS</i>	



AM 100/-WL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR-2.5/2	NONE	---	Humicky Peat
4-6	A	10YR-2/1	NONE	---	Sandy Silt
6-8	A <sub>1</sub>	7.5YR 3/1	NONE	---	SANDY CLAY LOAM

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *refusal at 8 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks - PREVIOUSLY LOGGED AREA  
- SOILS LIKELY HAVE BEEN DISTURBED

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR-100Y-UPL

Project Site: <u>CLETON COUNTY WINDFARM</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, KH, JB</u>	Date: <u>10/21/05</u> County: <u>CLETON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>ARIZOY</u> Plot ID: <u>552</u>

**VEGETATION** NEED SUCCESSIONAL

Plant Community Classification: Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>20%</u> Herb: <u>25%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>GREY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>WAXY BIRCH</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>AMERICAN BEECH</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>LOW BUSH BLUEBERRY</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>SPRINKLE FERN</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>UKI</u>	<u>H</u>		15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>57%</u>					
Remarks: <u>UKI - 4 LEAVE LOW HERB</u> <u>recent logging / disturbed soils</u>			<u>roll 5 # pit # 20</u> <u>10/15/05 EAST</u>		

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

AR.1007-CPL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10R 2/1	NONE	---	OM w/ SPT
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <del>Retained</del> @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	(No)	(Circle)	
Wetlands Hydrology Present?	Yes	(No)		
Hydric Soils Present?	Yes	(No)		
			(Circle)	
			Is this Sample Station Point Within a Wetland?	Yes (No)
Remarks				

~~AR121A-WL~~

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. W. Windsor</i>	Date: <i>10/21/05</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>KH, AH, JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
	Community ID: <i>PEM</i> Transect ID: Plot ID: <i>AR121A-SS1</i>

**VEGETATION**

Plant Community Classification: *PEM*  
 Percent Canopy Cover: Tree: *10* Shrub: *20* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Barked willow</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>steep Bush</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>long leaf Golden Rod</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Moss sp.</i>	<i>H</i>		13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *Atypical wetland pit # 20115-19 looks N at SS1/SS2*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>2</i>  Depth to Free Standing Water in Pit (in.): <input type="radio"/>  Depth to Saturated Soil (in.): <input type="radio"/>	
Remarks:	

AR121A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			organic material
1-6	A	10YR-5/4	10YR-3/4	Few/coarse/faint	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - soils highly disturbed due to excavation of area - looks like retention pond created by machines					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

*AA101A-046*

Project Site: <i>Clinton Co. Wisconsin</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>MA, JB, AH</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: Transect ID: Plot ID: <i>AA101A-552</i>							

**VEGETATION**

Plant Community Classification: <i>upland successional</i>					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Cotton Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>American Beech</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>High Bush Blueberry</i>	<i>S</i>		13.		
6. <i>Moss Sp</i>	<i>H</i>		14.		
7. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8. <i>Whorled Asler</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Previously logged area, successional forests disturbed soils</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i>  Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	

AR/21A-VPL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-6	0	10YR-2/1			Silty organic material
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of pipe @ 6 inches					

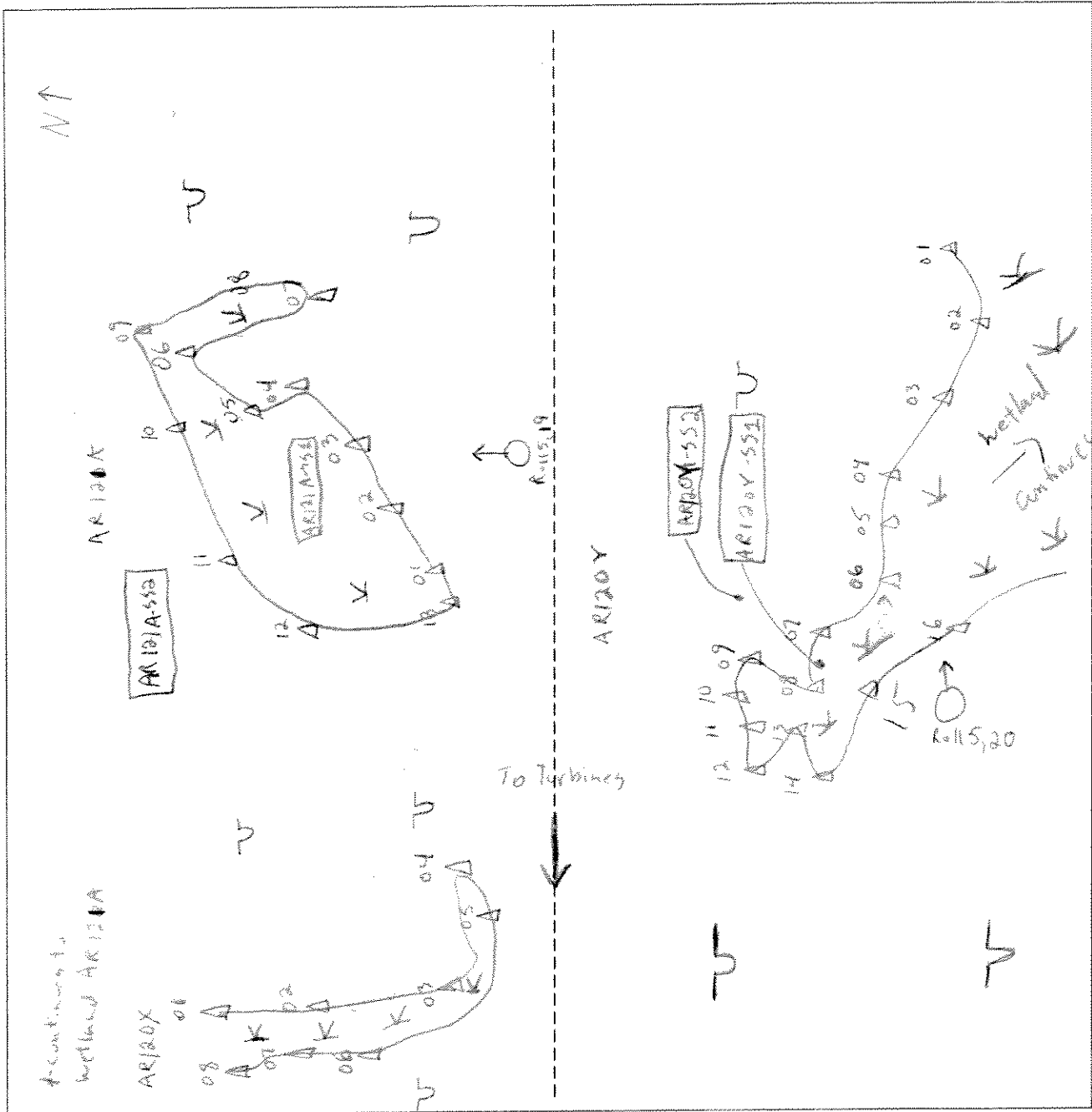
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes No (Circle)
Remarks			

AR120X

SKETCH FORM

Wetland ID/Route #: AR120X / AR120X / AR121A	Date: 10/21/05	Time: 1030
Intials of Delineators: J.G., K.H., E.K.	Location: Clinton County	
Roll #: 5	Frames: 20, 19	



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



AR125A

AR-122A-WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wisconsin</i>	Date: <i>10/21/05</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>KH, JB, AH</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: Transect ID: Plot ID: <i>AR-122A-551</i>

**VEGETATION**

Plant Community Classification: *PEM1P33*

Percent Canopy Cover: Tree: *10* Shrub: *10* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Red Ash</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Meadow Sweet</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>Hoop Golden Rod</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Rubus Effusus</i>	<i>H</i>	<i>FACW+</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *- Open water w/ little vegetation present in the water*  
*- soil 5, pit #17 100% South*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4-5</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

AR122A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR-2.5/2	7.5YR-3/4	Few/coarse/faint	clay w/ organic material
2-3	A	10YR-2/2			clay / dam
5-6	A <sub>1</sub>	10YR-2/4			silty sands
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - fohusal of Auger at 6 in - disturbed soils - wetland in man made ditch					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks			

AR 125A

~~AR 122A-012~~

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Wisconsin</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISA, AH, SG</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: Transect ID: Plot ID: <i>AR-122A-552</i>	

VEGETATION

Plant Community Classification: *Upland successional*  
 Percent Canopy Cover: Tree: *80* Shrub: *25* Herb: *15* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Big Tooth Aspen</i>	<i>T</i>	<i>FACU-</i>	11.		
4. <i>Low Bush</i>	<i>H</i>	<i>FACU-</i>	12.		
5. <i>Buckthorn</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *40%*

Remarks: *pit # 18, 10/11 & 10/15 W*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	

AR-122A-UPL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			Organic material
1-3	A	10YR-5/2			Sandy silt
3-6	A <sub>1</sub>	10YR-5/2	7.5YR-5/8	Many/weak/distinct	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal of Auger at 6 inches - disturbed soils due to logging					

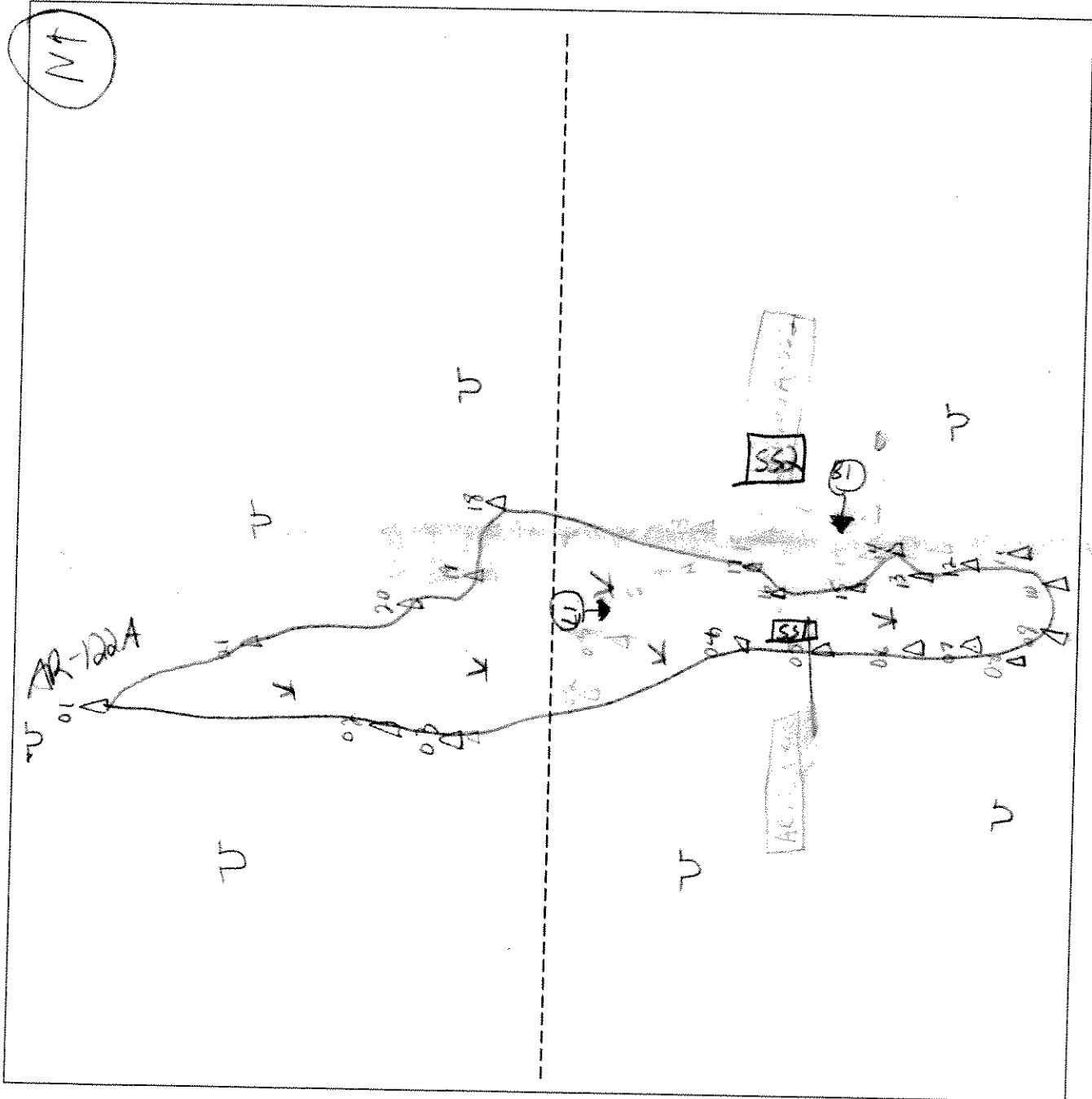
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks			

SKETCH FORM

AR 125A

Wetland ID/Route #: AR 122A		Date: 10/21/05	Time: 1130
Initials of Delineators: K.H., S.G., A.K.		Location: Clinton County	
Roll #: 5	Frames: 18, 17		



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

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <u>Winnifan</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>DAD, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> No Is the area a potential Problem Area? <u>Yes</u> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR200A</u> Plot ID: <u>251</u>

**VEGETATION**

DEM

RATTLE SPRING

Plant Community Classification: _____					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>55%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>Canada Bush</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>Wet Grass</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>Wet Grass</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Cyperus florida</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	14.		
7. <u>Strawberry Bush</u>	<u>S/H</u>	<u>FACW</u>	15.		
8. <u>Large-leaved Gully RD</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/2	—	—	Clay loam
4-5	B	10YR 5/2	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <del>REPUBLIC OF ABER</del> @ 5"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton Point, Wassaic Applicant/Owner: PURVISOR Investigator: RJD, AIC	Date: 10/17/15 County: Orange State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: 0100000 Transect ID: 000000 Plot ID: 552

**VEGETATION**

Mid Successional

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 30%	Herb: 95%	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. BRAMBLES	S	Unknown	9.		
2. Field Sedge	H	UPL	10.		
3. GRASS BUNCH	S	FAC	11.		
4. Broomrape	H	FACW	12.		
5. Sedge	S	FACW-	13.		
6. R.V. Grass	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	



Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	5YR 2/1			Sandy loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
<b>Remarks:</b> Residue of Angora @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		



TETRA TECH

SUBJECT

AR200A

10-17-85

PROJECT

Pyintone

TC/P NO.

ORIGINATOR

CHECKED

DATE

10/17/85

PAGE

OF

PAGES

AR200A 1105 Pyintone

U

U

U

N

V = wetland  
 U = upland  
 • GPS points

-- center line



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton County, Wisconsin</i>	Date: <i>10/17/05</i>
Applicant/Owner: <i>H. W. ...</i>	County: <i>Clinton</i>
Investigator: <i>R. D. ...</i>	State: <i>NE</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>W12113</i> Transect ID: <i>112201</i> Plot ID: <i>551</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>TSS</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>80%</i> Herb: <i>60%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SPECIFIC WILDER</i>	<i>S</i>	<i>FACW+</i>	9. <i>SPERMATOPHYTES</i>	<i>H</i>	<i>-</i>
2. <i>GRAIN BIRCH</i>	<i>S</i>	<i>FAC</i>	10. <i>PERENNIALS</i>	<i>S</i>	<i>FAC</i>
3. <i>PERENNIAL GRASS</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>RED CANNON GRASS</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>PERENNIAL GRASS</i>	<i>H</i>	<i>FACW+</i>	13.		
6. <i>SPECIFIC WILDER</i>	<i>S</i>	<i>FACW</i>	14.		
7. <i>PERENNIAL GRASS</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>PERENNIAL GRASS</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A <sub>1</sub>	7.5YR 3/2	—	—	Mag hum w/ sand
5-6	A <sub>2</sub>	10YR 5/2	—	—	clay

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Reusal of Aya at 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <i>Winston</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>RTD AK</i>	Date: <i>10/21/15</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>UPC 100</i> Transect ID: <i>AR 101</i> Plot ID: <i>552</i>

**VEGETATION**

*MID successional*

Plant Community Classification: _____ Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>80-90</i> Herb: <i>10+</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TRIK CHERRY</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>GRAY BIRCH</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>MCADAM SWEET</i>	<i>S</i>	<i>FAC+</i>	11.		
4. <i>IRRAWADDIES</i>	<i>S</i>	<i>Water</i>	12.		
5. <i>R.S. Baldia Red</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Sugar maple</i>	<i>S</i>	<i>FACW-</i>	14.		
7. <i>OUR MASH</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>WOOD PINE</i>	<i>H+</i>	<i>FAC+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>30%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	-	-	OR 6A7-6
3-5	A	10YR 6/1	-	-	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

**Remarks:**  
 Refusal of Argon at 5"  
 MARGINAL Hydric Soil - low chroma  
 Sumner Dec 10 1961

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No

**Remarks**

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Winston</i> Applicant/Owner: <i>Winston</i> Investigator: <i>Winston</i>	Date: <i>10/17/00</i> County: <i>Winston</i> State: <i>NC</i>
Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>Winston</i> Transect ID: <i>Winston</i> Plot ID: <i>Winston</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>80%</i>	Herb: <i>70%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spartina patens</i>	<i>3</i>	<i>FACW+</i>	9.		
2. <i>Cyperus tenuiflorus</i>	<i>3</i>	<i>FAC</i>	10.		
3. <i>Scirpus americanus</i>	<i>3</i>	<i>FAC+</i>	11.		
4. <i>Spartina patens</i>	<i>3</i>	<i>FACW</i>	12.		
5. <i>Spartina patens</i>	<i>3</i>	<i>FACW</i>	13.		
6. <i>Spartina patens</i>	<i>4</i>	<i>-</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands ( <i>channel</i> ) <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>2"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2"	O	10YR 2/1	-	-	ORGANIC
2-3"	A <sub>1</sub>	10YR 6/2	-	-	CLAY
3-18"	B <sub>2</sub>	10YR 6/1	10YR 6/1	part. coarse, part.	CLAY
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REUSAC OF AUBER @ 18"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?				
Hydric Soils Present?				
Remarks				



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Wisconsin</i> Applicant/Owner: <i>Forest</i> Investigator: <i>DK AK</i>	Date: <i>10/13/01</i> County: <i>Clinton</i> State: <i>WI</i>
Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>62145</i> Transect ID: <i>AR202A</i> Plot ID: <i>552</i>

**VEGETATION** *UPPER Forest / mid Successional*

Plant Community Classification: <i>UPPER Forest / mid Successional</i>					
Percent Canopy Cover:		Tree: <i>50%</i>	Shrub: <i>80%</i>	Herb: <i>20%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>S</i>	<i>FAC</i>	9. <i>Red maple</i>	<i>S/T</i>	<i>FACW</i>
2. <i>Sugar maple</i>	<i>S/T</i>	<i>FACW</i>	10. <i>Club moss</i>	<i>H</i>	<i>FAC</i>
3. <i>White Birch</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>White Pine</i>	<i>T</i>	<i>FACW</i>	12.		
5. <i>Green Heron</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Yellow Birch</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Black Birch</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Aspen</i>	<i>H/S</i>	<i>-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated <i>at 5"</i></p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>N/A</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>N/A</i></p> <p>Depth to Saturated Soil (in.): <i>5"</i></p>	<p>Remarks:</p> <p><i>4' high, in center, from 552</i></p>

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-2	O	10YR 2/1			very white
2-5	A	10YR 5/2	10YR 5/3	Common, med, fine	CLB
5-7	B	10YR 5/4			

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Removal of topsoil at 7"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks



TETRA TECH

SUBJECT Arzoua PSS

PROJECT \_\_\_\_\_

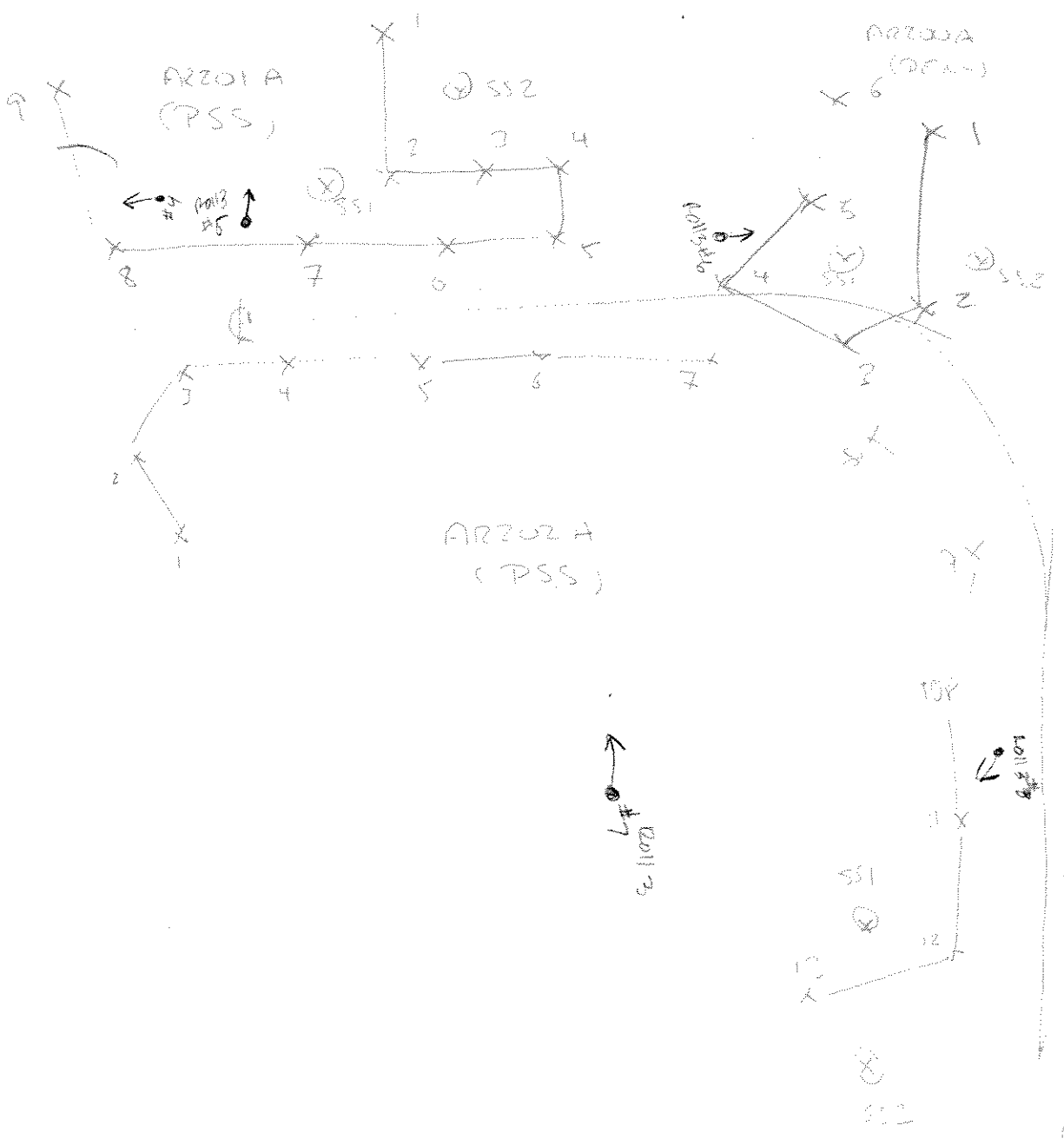
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 10/17/15 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

ARZOUA PSS  
ARZOUA PSS  
ARZOUA PSS  
ARZOUA PSS

PHOTOS = Roll #3, FRAMES 4, 5, 6, 7, 8



TERMINUS OF SECTION

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Wagon County Wetland</i> Applicant/Owner: <i>Wagon County</i> Investigator: <i>TRD, AK</i>	Date: <i>10/17/05</i> County: <i>Wagon</i> State: <i>ND</i>
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: <i>Wagon</i> Transect ID: <i>10203P/13</i> Plot ID: <i>Ac203/105-131</i>

**VEGETATION**

*Plot 1 PS*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>25%</i>	Herb: <i>95%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass</i>	<i>S</i>	<i>FAC</i>	9. <i>Bottlebrush</i>	<i>H</i>	<i>OBL</i>
2. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Shrub</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Wood</i>	<i>H</i>	<i>FAC+</i>	12.		
5. <i>Spruce</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Large Leafed</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Spruce</i>	<i>H</i>	<i>FACW+</i>	15.		
8. <i>...</i>	<i>S</i>	<i>FAC+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4" inches</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	Remarks:

Date: 10/17/05  
 Community ID:  
 Plot ID: AR204A 551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	CA1	10YR 2/1	NONE	—	CLAY CLAY LAM
5-7	A1	10YR 3/3.5	NONE	—	
7-8	A2	10YR 5/3.0	NONE	—	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: REFUSAL LAYER @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Wisconsin</i> Applicant/Owner: <i>PO 2222</i> Investigator: <i>Scott A. S.</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>WI</i>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> (If needed, explain on reverse.)	Community ID: <i>UPLCMI</i> Transect ID: <i>ARR203A1B</i> Plot ID: <i>SS-2</i>

**VEGETATION**

*Wet Successional*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>60%</i> Herb: <i>35%</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED OAK</i>	<i>3</i>	<i>FACU-</i>	9. <i>CAROLINA ALLSPICE</i>	<i>H</i>	<i>FACU</i>
2. <i>RED MAPLE</i>	<i>3</i>	<i>FAC</i>	10. <i>2 MIPED</i>	<i>S</i>	<i>FACU</i>
3. <i>GRAY BIRCH</i>	<i>3</i>	<i>FAC</i>	11. <i>WATER WOOD (ORANGE)</i>	<i>H</i>	<i>UPL*</i>
4. <i>SPANISH PLAIN</i>	<i>4</i>	<i>FACU</i>	12.		
5. <i>CLUB MOSS</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>PROLIF. SUCRUM</i>	<i>H</i>	<i>UPL*</i>	14.		
7. <i>WILD STRAWBERRY</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>SWEET GUM</i>	<i>H</i>	<i>FACU-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>27%</i>					
Remarks: <i>Exposed Bedrock. * - not listed</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2"	A	10YR 3/4	-	-	Silt loam
2-8"	B	10YR 2/4	-	-	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>REPEAL OF A0002 @ 8"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Chatham Point, Winston</i>	Date: <i>10/19/05</i>
Applicant/Owner: <i>Winston</i>	County: <i>Chatham</i>
Investigator: <i>TCN, AK</i>	State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>W000001</i> Transect ID: <i>AR2044</i> Plot ID: <i>551</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *PEM1*

Percent Canopy Cover: Tree: *0* Shrub: *15%* Herb: *80%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BRAK willow</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>RED maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>CATPAW</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>WOOD grass</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>J. Cypripedium</i>	<i>H</i>	<i>FACW+</i>	13.		
6. <i>IMPERATA 6. 2. 2</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *PEM CENTRAL  
PSS AT TCU, NC*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>15'</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>SANDY GATSEK ~ 1.5' Deep</i>	



Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

50/50  
 2/10

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-2	D				Red Mott
2-6	A	10YR 5/3			Silt, clay, sand
		10YR 5/2	10YR 3/2	Many/Fine/Faint	Silt, clay, sand
6-12"	B	10YR 6/2			CLAY

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Difficult to retrieve soil sample due to  
 frozen conditions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Platanus by Whimsy</i> Applicant/Owner: <i>HOSPITAL</i> Investigator: <i>RED, AK</i>	Date: <i>10/17/05</i> County: <i>Chatham</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: <i>UR1M2</i> Transect ID: <i>AR204 A</i> Plot ID: <i>552</i>

**VEGETATION**

*Disturbed Road Side*

Plant Community Classification:					
Percent Canopy Cover:      Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>KNAWEED</i>	<i>H</i>	<i>UPL*</i>	9.		
2. <i>CANADA B. RD</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Wild Lemnae</i>	<i>H</i>	<i>FACW-</i>	11.		
4. <i>RED CHERRY</i>	<i>H</i>	<i>FACW-</i>	12.		
5. <i>YARRROW</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>BULL TASTIC</i>	<i>H</i>	<i>FACW-</i>	14.		
7. <i>RED VETCH</i>	<i>H</i>	<i>UPL*</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks: <i>* NOT LISTED</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	A	10YR2/3	—	—	SILTAL

- Hydro Soil Indicators
- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:  
 REFUSAL of Argo in 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



TETRA TECH

SUBJECT Clinton Co. Wastewater

Hudson

PROJECT \_\_\_\_\_

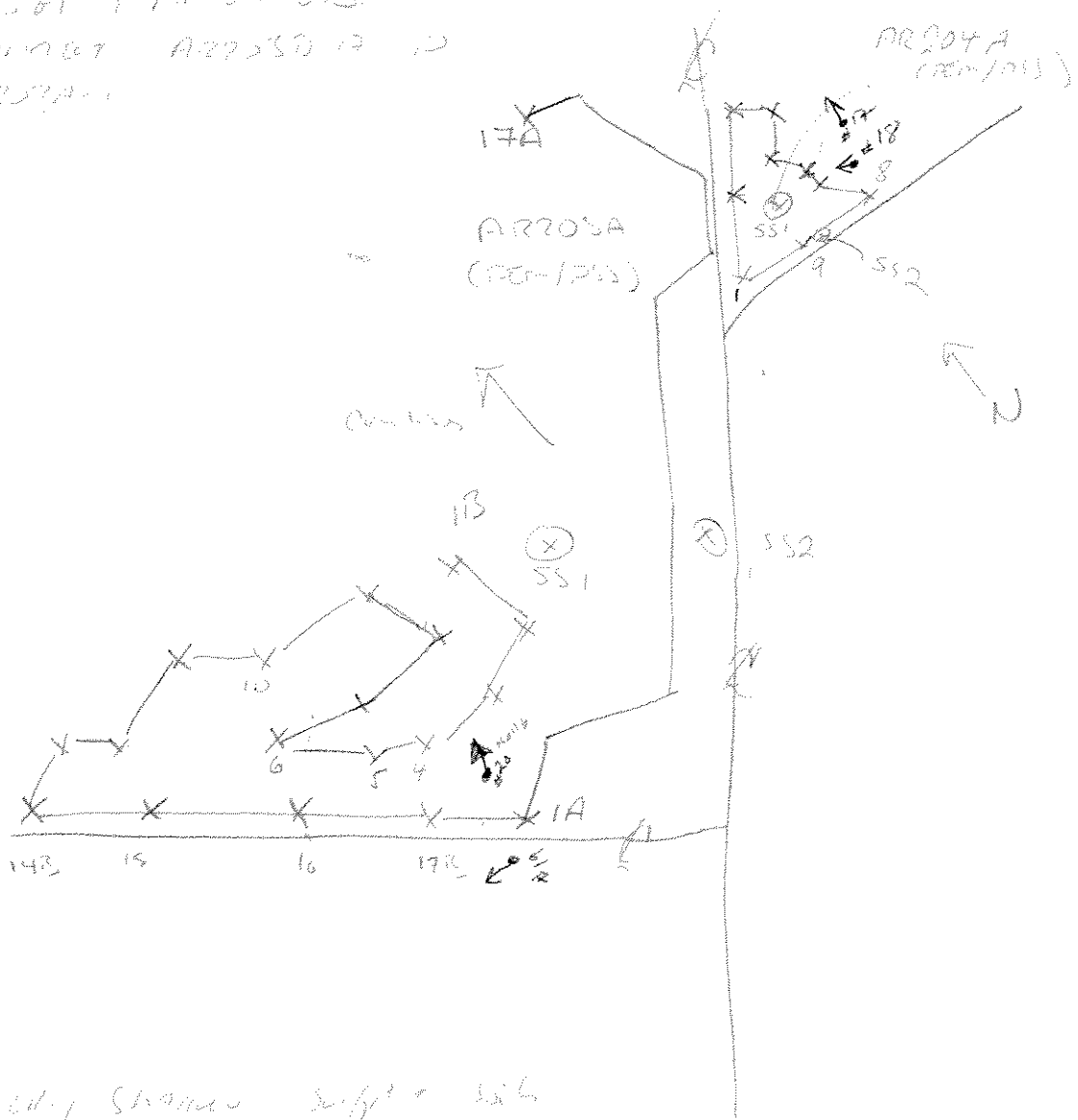
TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 01/13/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

PHOTOS - ROLL 3, FRAMES 20, 19, 18, 17

ARRIOSA / AR203B  
RUS: CONNET AR2030 17 10  
AR203A



ARRIOSA / AR203B  
RUS: CONNET AR2030 17 10  
AR203A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Effenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <del>AKA</del> , AIC	Date: 10/17/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <del>WETLAND</del> Transect ID: AKA205A Plot ID: 551

**VEGETATION**

PSC WETLAND

Plant Community Classification:					
Percent Canopy Cover: Tree: 1090 Shrub: 4090 Herb: 7590 Vine: 590					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spotted Alder	S	FACW+	9.		
2. GRAY Birch	T/S	FAC	10.		
3. Smooth BIRCH	H	FACW	11.		
4. Tall Golden Rod	H	FACW	12.		
5. Field meadow Grass	H	FACW	13.		
6. OBLIX Oenothera	H	OBL	14.		
7. Virginia Creeper	✓	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: NOTE: - Cover lands - wetland - (once let 2 golden rods) - Traces of vines - Elder - observed in one patch of wetland					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Just west of confluence of STA 1 & STA 2	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 3/1	—	—	S.H. 10A-10A-2
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Reason of Age AT 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>ROD, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLand</u> Transect ID: <u>ARJUS H</u> Plot ID: <u>SS2</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>20%</u> Herb: <u>40%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>DLK CEDAR</u>	<u>T</u>	<u>FACU</u>	9. <u>WILD RICE</u>	<u>H</u>	<u>FAC+</u>
2. <u>SUGAR MAPLE</u>	<u>T/S</u>	<u>FACU-</u>	10. <u>VIOLET CANADA</u>	<u>H</u>	<u>UPL*</u>
3. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	11. <u>GRASS SP</u>	<u>H</u>	<u>unknown</u>
4. <u>BROWN BIRCH</u>	<u>T</u>	<u>FAC</u>	12. <u>CANADA GULLER</u>	<u>H</u>	<u>FACU</u>
5. <u>AMERICAN BIRCH</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>SPRUCE</u>	<u>T</u>	<u>FACU</u>	14.		
7. <u>ASHWOOD</u>	<u>S</u>	<u>FACU</u>	15.		
8. <u>BRANDLES</u>	<u>S</u>	<u>unknown</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks: <u>*NOT USED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Recent Heavy Rain</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-2	D	10YR 2/1	-	-	DN
2-8	A	10YR 3/3	-	-	DN, WAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  <div style="font-family: cursive; font-size: 1.2em;">Removal of Aya at 8"</div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
Remarks				



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Elenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>RTD, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>W2201</u> Transect ID: <u>A1253</u> Plot ID: <u>551</u>

**VEGETATION**

PERM / PSS

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>40%</u> Herb: <u>75%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>STIPPLE B. GR.</u>	<u>3</u>	<u>FACW</u>	9. <u>Common reed</u>	<u>H</u>	<u>FAC</u>
2. <u>MEADOW GRASS</u>	<u>3</u>	<u>FAC+</u>	10. <u>Common reed</u>	<u>S</u>	<u>FAC</u>
3. <u>PINE FLW</u>	<u>T</u>	<u>FACW-</u>	11. <u>Red maple</u>	<u>S</u>	<u>FAC</u>
4. <u>ROSE SHAKES</u>	<u>H</u>	<u>OBL</u>	12. _____		
5. <u>PAUL MEADOW GRASS</u>	<u>H</u>	<u>FACW</u>	13. _____		
6. <u>ROSE SET</u>	<u>H</u>	<u>FACW+</u>	14. _____		
7. <u>R.S. Golden rod</u>	<u>H</u>	<u>FAC</u>	15. _____		
8. <u>PARROT CLINTON</u>	<u>H</u>	<u>OBL</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>EDGE of Beaver Pond</u>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			DM
2-6	A	10YR 3/2	10YR 5/6	Few, Fine, Root	CLAY (WAW)

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Presence of Aizer AT 6"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <i>RJD - AK</i>	Date: <i>10/7/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <i>62221</i> Transect ID: <i>172255</i> Plot ID: <i>552</i>

**VEGETATION** *Upland Forest*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *75%* Shrub: *30%* Herb: *20%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Tupelo</i>	<i>7/5</i>	<i>FACW</i>	9. <i>Moss</i>	<i>H</i>	<i>Unknown</i>
2. <i>White Alder</i>	<i>S</i>	<i>FAC</i>	10. <i>Black Cherry</i>	<i>S</i>	<i>FACW</i>
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11. <i>Red Maple</i>	<i>7/5</i>	<i>FACW</i>
4. <i>Sweetgum</i>	<i>S</i>	<i>UDL*</i>	12.		
5. <i>Wood Sycamore</i>	<i>H</i>	<i>UDL*</i>	13.		
6. <i>Wood Fern</i>	<i>H</i>	<i>FAC+</i>	14.		
7. <i>Bladder</i>	<i>S/H</i>	<i>Unknown</i>	15.		
8. <i>Canada Wild Rad</i>	<i>H</i>	<i>FACW</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *27%*

Remarks: *\* NOT LISTED.*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>26"</i>	
Remarks: <i>Recent Heavy Rain Shallow Saturated Soils</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 7/1			OM
1-2	A	10YR 7/3			Silty CIA
2-7	B <sub>1</sub>	10YR 4/3			Clay Silt

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

Exposed bed rock

Recession of mize at 7"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Applicant/Owner: Investigator:	Date: 10/13/07 County: Colton State: NY
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: 212001 Transect ID: A1001A Plot ID: 551

**VEGETATION**

Plant Community Classification: Tree:  Shrub:  Herb:  Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Tall grass (10)	H	FACW	9. <i>Juncus roemerianus</i>	H	FACW
2. <i>Lactuca scariola</i>	H	FAC	10. <i>Rhus glabra</i>	H	OBL
3. <i>Chenopodium</i>	H	FACW+	11. <i>Sida acuta</i>	H	OBL
4. <i>Spartina patens</i>	H	FACW	12. <i>Sida acuta</i>	H	FACW+
5. <i>Poa annua</i>	H	FACW	13. <i>Sida acuta</i>	H	FACW+
6. <i>Rattus norvegicus</i>	H	OBL	14.		
7. <i>Urtica dioica</i>	H	FACW+	15.		
8. <i>Juncus roemerianus</i>	H		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands
<p>Field Observations:</p> Depth of Surface Water (in.): 0/2 Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	<p>Secondary Indicators (2 or more required):</p> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE		ORGANIC
2-8	A1	10YR 3/2	10YR 6/2	MANY CLASSE FROM	CLAY LOAM
8-12	A2	10YR 3/1	NONE		CLAY LOAM
12-14	B	10YR 2/2	10YR 6/4	MANY CLASSE FROM	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AUGER PROBE @ 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton Center</i> Applicant/Owner: <i>Hickory</i> Investigator: <i>W.D. Aik</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>2/1/1/1</i> Transect ID: <i>A11206A</i> Plot ID: <i>552</i>

**VEGETATION**

*COLEMAN FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>75%</i> Herb: <i>5%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar maple</i>	<i>T/S</i>	<i>FACU-</i>	9.		
2. <i>Wald Fern</i>	<i>H</i>	<i>FAC+</i>	10.		
3. <i>Redstarts</i>	<i>S/T</i>	<i>Unknown</i>	11.		
4. <i>Wald Fern</i>	<i>H</i>	<i>UPL*</i>	12.		
5. <i>Blueberry</i>	<i>S</i>	<i>FACU</i>	13.		
6. <i>T. Maple</i>	<i>T</i>	<i>FACU</i>	14.		
7. <i>Moss</i>	<i>H</i>	<i>Unknown</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>14%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	



Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE	—	ORGANIC
2-6	A	10YR 2/2	NONE	—	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AUGER REFUSAL @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>R.D. Ark</i>	Date: <i>12/18/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>6113.1A</i> Transect ID: <i>ARC 13</i> Plot ID: <i>SS1</i>

**VEGETATION**

Plant Community Classification: *Open Wetland*

Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Blueberry</i>	<i>H</i>	<i>—</i>	9. <i>Smartweed</i>	<i>H</i>	<i>FACW</i>
2. <i>Cattail</i>	<i>H</i>	<i>OBL</i>	10. <i>Sparganium angustifolium</i>	<i>H</i>	<i>FACW</i>
3. <i>Black Willow</i>	<i>S</i>	<i>FACW</i>	11. <i>Large leaved water lily</i>	<i>H</i>	<i>FAC</i>
4. <i>Red Tipped Tule</i>	<i>H</i>	<i>FACW</i>	12. <i>Winged Rush</i>	<i>H</i>	<i>OBL</i>
5. <i>Sparganium angustifolium</i>	<i>H</i>	<i>FACW</i>	13. <i>Duckweed</i>	<i>H</i>	<i>OBL</i>
6. <i>Rush</i>	<i>H</i>	<i>OBL</i>	14. <i>Algae</i>	<i>H</i>	<i>—</i>
7. <i>Water lily</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Winged Rush</i>	<i>H</i>	<i>—</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *None*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated in upper 12 inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>4" in places</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>2</i></p> <p>Depth to Saturated Soil (in.): <i>0</i></p>	<p>Remarks:</p>

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 7/1	NONE	---	ORGANIC
3-8	A	10YR 3/2	NONE	---	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>AVSOK REFUSAL @ 8"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes    No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes    No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes    No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes    No
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Wetland Area</i> Applicant/Owner: <i>Private</i> Investigator: <i>AK, BK</i>	Date: <i>10/10/05</i> County: <i>Columbia</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>W1121</i> Transect ID: <i>AR706B</i> Plot ID: <i>332</i>

**VEGETATION**

Plant Community Classification: *Upland Forest*

Percent Canopy Cover: Tree: *85%* Shrub: *6%* Herb: *5%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Oak</i>	<i>T/S</i>	<i>FACU</i>	9.		
2. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>White Pine</i>	<i>H</i>	<i>FAC+</i>	11.		
4. <i>Moss</i>	<i>H</i>	<i>-</i>	12.		
5. <i>White Birch</i>	<i>H</i>	<i>FAC+</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *20%*

Remarks: *\* not listed*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	None	—	ORGANIC
1-6	A	10YR 5/1	None	—	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: AUGER REFUSAL @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



TETRA TECH

SUBJECT AR206A/B

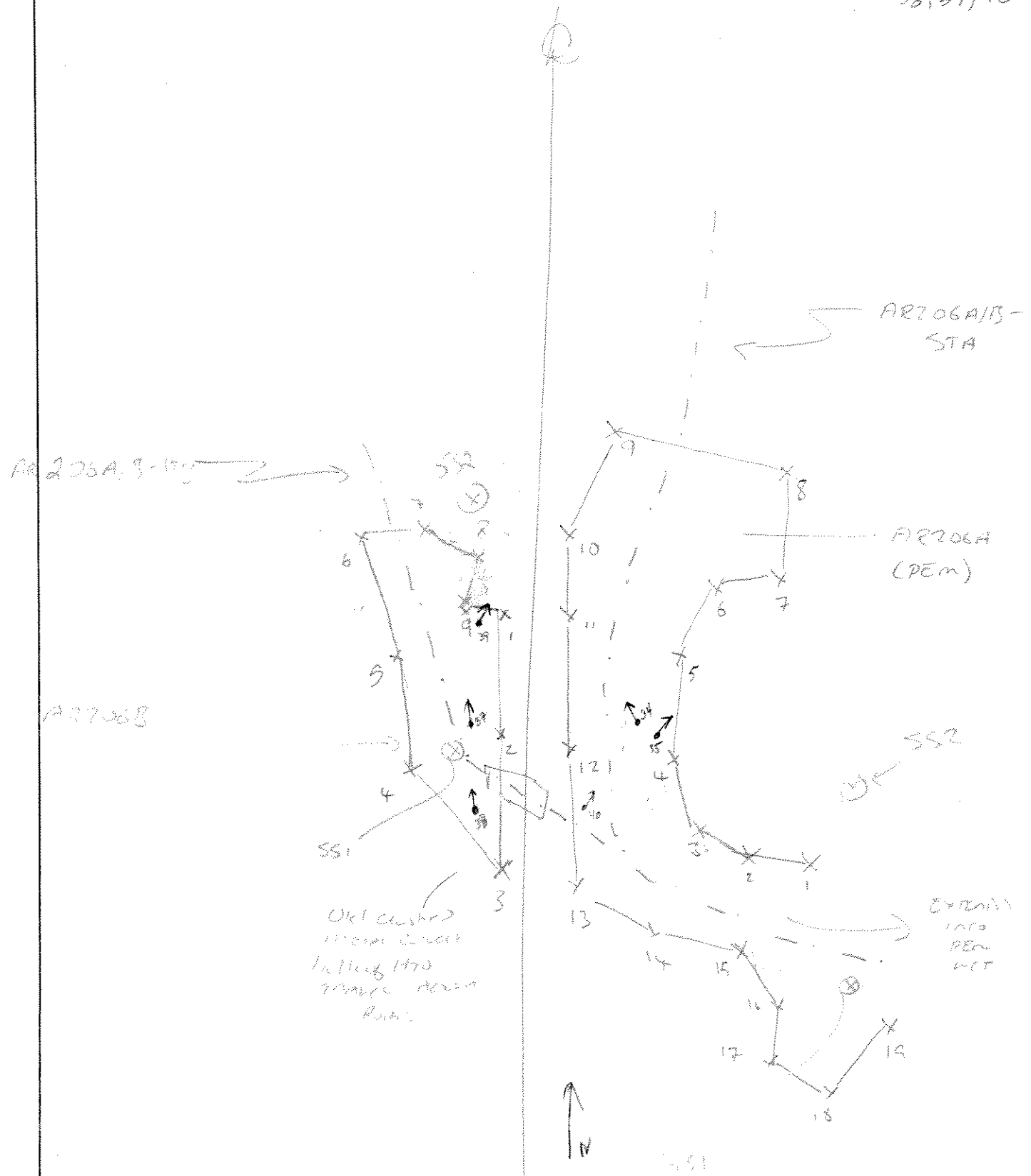
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT White Co Wastewater

TC/P NO. Division

DATE 10/19/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

PHOTOS - DIGITAL FILE  
 P-101805 FRAMES: 34, 35, 37  
 38, 39, 40

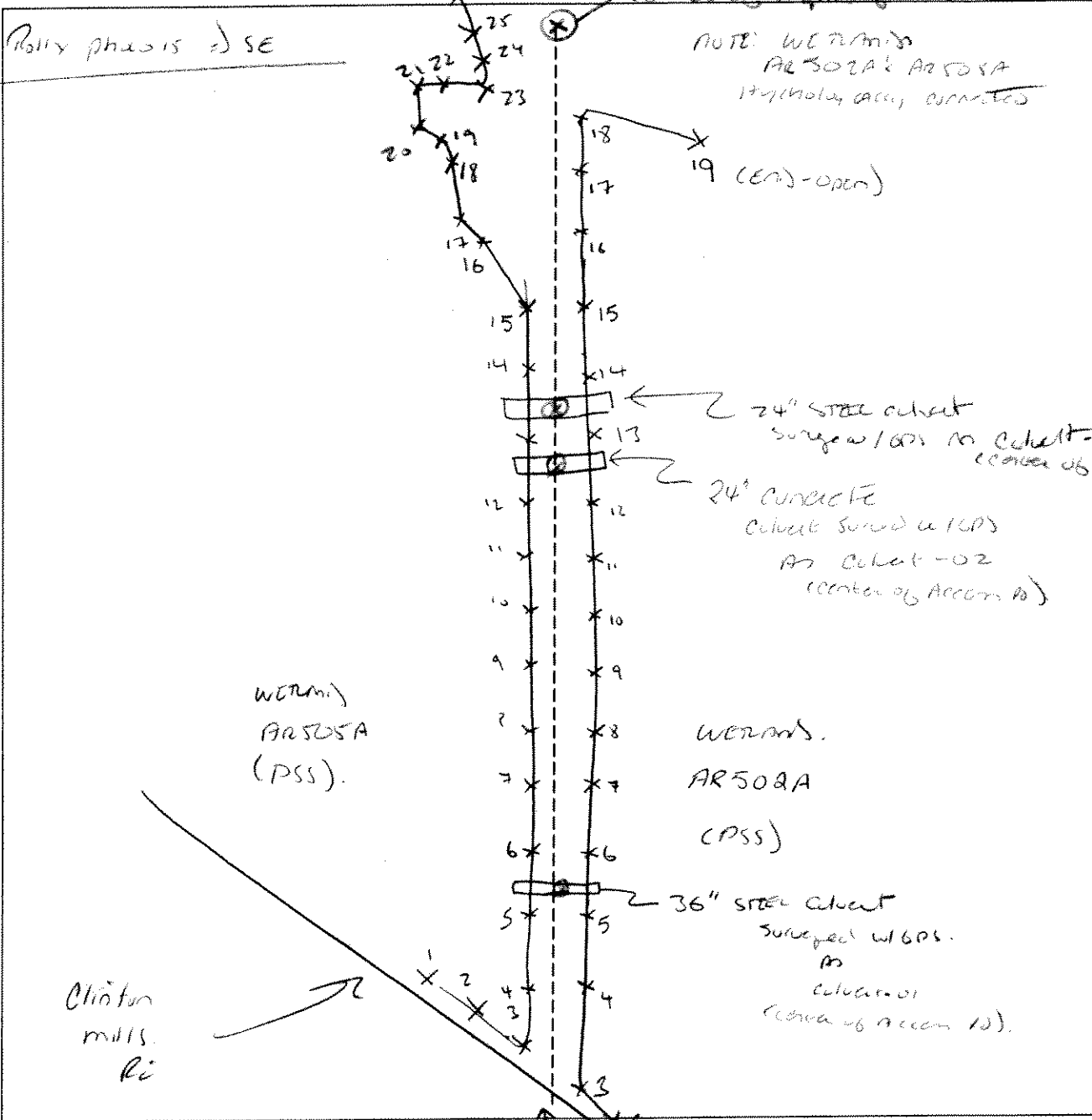


SKETCH FORM

Wetland ID/Route #: <b>AR502A &amp; AR505A</b>		Date: <b>11/4/05</b>	Time: <b>1400</b>
Initials of Delineators: <b>TRJ</b>		Location: <b>DICK CREEK RAILROAD</b>	
Roll #: <b>X</b>	Frames: <b>15</b>	<b>Right-of-Way</b>	

Rolls phase is SE

NOTE: WEZMWS  
AR502A & AR505A  
Hydrology accy. corrected



Clinton Mills Ri

WEZMWS  
AR505A  
(PSS)

WEZMWS  
AR502A  
(PSS)

**Legend**

- ♂ Photo Location/Direction
- Wetland
- ▭ Sample Station
- Upland
- - - Centerline
- Stream
- ▷ Flag
- . . Intermittent Stream



SUBJECT Shaw  
Ch. 1000 Ca. 1000000000  
 ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
 TC/P NO. \_\_\_\_\_  
 DATE 11/2/05 PAGE 1 OF 4 PAGES

0700

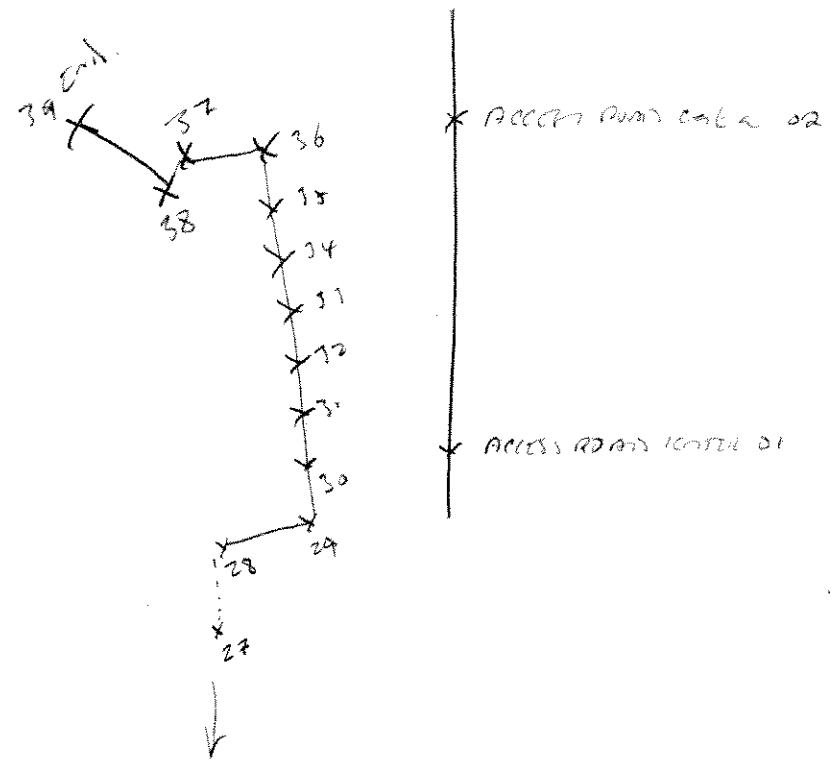
KEITH & SHAW TASKED W/ SURVEY  
 WITHIN PROPERTY

1030

MAT & I TO Pick color property  
 to PLUWA & left off a tree

1100

STARTED BY Constructing wellhead line ARSUSA



1200 - proceeded to tubing # 135  
 210 - robin loose high in tree  
 Forest - sugar maple  
 blk. ch  
 Gray hick  
 wood fern  
 maple for  
 moss

80% Can  
 50%  
 50%

MARUO  
 NOT L-1100  
 4" → 7 1/2"  
 DBH

Treed  
 July  
 this





TETRA TECH

SUBJECT Huron

Clinton Co. Wetland

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

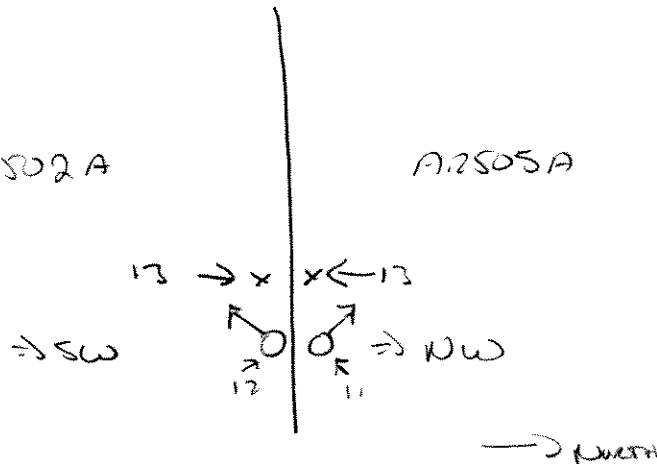
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 11/2/05 PAGE 2 OF 4 PAGES

NOTE: COLLECTION Photographs of ARS02A & ARS05A

ARS02A

ARS05A



NOTE: VEG for ARS02A & ARS05A

PSS/PCm / OW

- Siltier Willow
- SPECIES AT RISK
- Red osier dogwood
- narrow leaf
- Sedge Willow (Potential)

1400

B30 - proceeds to tube # 146

High ridge - upland TULLT - #1140

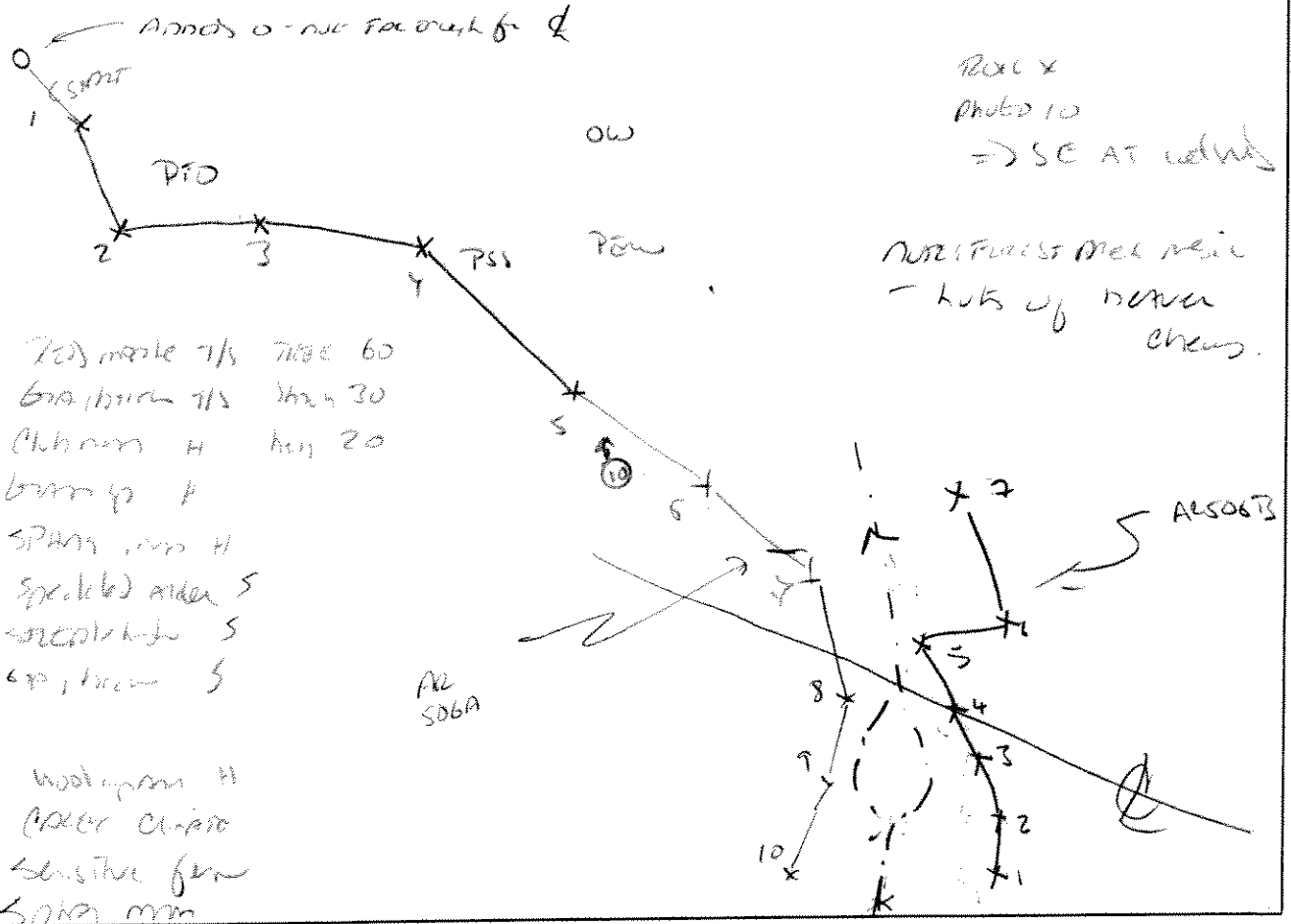
- Bik chom T
- Ted mpt + TIS
- Turkey Area T
- Grasshich T (few)
- Woodfern H
- Tree like chom H
- Chom H
- red H

TRE - 85 910  
 SHIB - 30 910  
 WOB - 15 910

1430

- ALASKA RD between #1146 & 147

NEARBY ARSOGA - PFD/PSS/PEM/OW



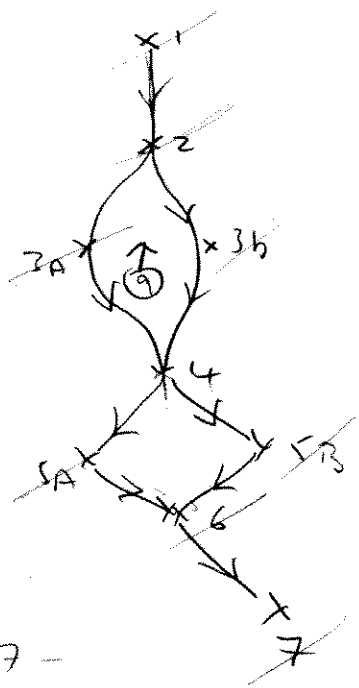
- PFD: Ted mpt 7/8 Tube 60  
 Grasshich 7/8 Tube 30  
 Chom H Tube 20  
 brown y H  
 SPAM mpt H
- PSS: Spotted Alder S  
 Woodfern S  
 Chom S
- PEM: Woodfern H  
 (Red) Chom  
 Sensitive fern  
 Spira mpt

ARSO6 A/B ST1 - 1

Flowing ESE as a moderate to rapid flow  
 Substrate: Rock/carbonic / gravel sandy wash

Depth in width for  
 3'-6' / 5'

Depth  
 12" / 2'



→ NORTH

Roll x photo 9  
 ⇒ WEST AT  
 ARSO6A/B-ST 1

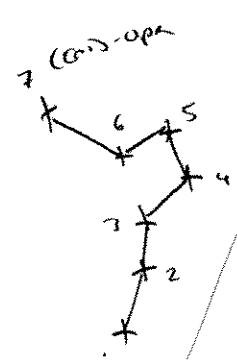
1130 - Hiked to tubino 147 -  
 High 5' - 10' - upland forest

1600  
 ARSO7A PSS/DEM

- Spickee's Alder S
- Gray Birch S
- Green Sp H

→ NORTH

NOTE:  
 Access  
 Road W side  
 exit R.R.  
 Right of way  
 Road (A/B)  
 ~15'  
 (Road issues?)



note photo 8; Roll x  
 ⇒ SW AT ARSO7A

RR right of way

Brendon call - 617-794-4123 - met crew at 0830  
 - His 117.2 Brief Brendon  
 - Tasked crew  
 Keith → Structure Survey  
 Brendon & Shaw → TEAM A → Wilkins Property  
 Richard & Matt → TEAM B → Finish color property to  
 south of Clinton Mills. Then  
 return.

0800 - at Cole's property - proceed with team 147 & 141

0845 - AT Turbine # 147  
 Upland Forest 90% Tree cover  
 55% Shrub cover  
 Red maple T/S 50% Herb cover

- Tamarac Aspen T
- Gray birch T
- Blk cherry T
- Branched Fern H
- Alchman H
- Tree-like Alchman H
- Wood Fern H

NOTE: Cole's property  
 not recently logged  
 700 years. massive forest  
 w/ diam > 12"

0850 - Ambled to turbine # 141

Delimited wetland ARS08A - 10000's betw  
 turbine #147 & #141.

PC - PSS / PFD } OW.

- PC:
- Tussock sedge
  - sphagnum
  - cran sp.
  - Sweet flag

- PSS:
- Gray birch
  - Dogwood
  - Red maple
  - Laurel sp.
  - Black willow (?)

- PFD:
- Tree - 75%
  - Shrub - 25%
  - Herb - 80%
  - Red maple T/S
  - Gray birch T/S
  - Dogwood S
  - Sphagnum H
  - Yellow birch T
  - Alchman H



TETRA TECH

SUBJECT Huron

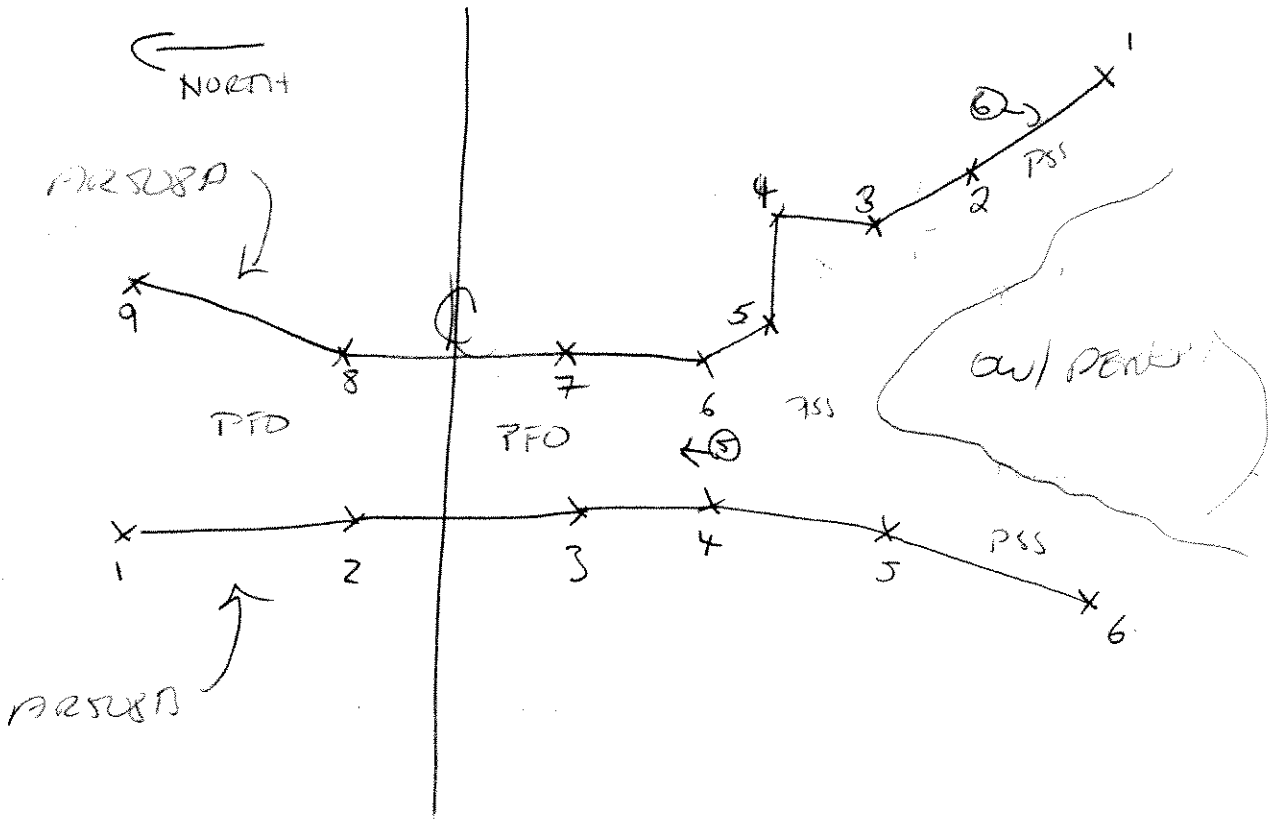
Chick Co. landowner

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 11/8/05 PAGE 2 OF 6 PAGES



Roll x photo 6 → SW AT ARSUB A1A - DEM/PSS/low.  
 Roll x photo 5 → N AT ARSUB A1B - PFD

10/5 Demanded wetland ARSUB A1B - PFD,  
 then further #147 & 141

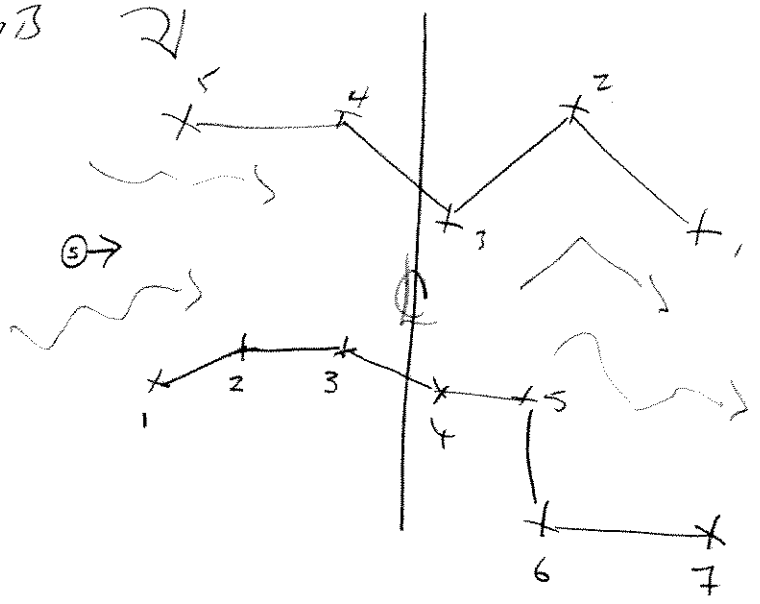
- |               |     |            |   |
|---------------|-----|------------|---|
| To: Green Isl | T   | Sensitifer | H |
| Amor Elm      | T   | Salmi      | H |
| Yellow Birch  | T   | GRBX SP.   | H |
| Red Maple     | T/S |            |   |
| Townd poplar  | T   |            |   |
| White Birch   | T   |            |   |
| Downy         | S   |            |   |
| Mt. Ash       | S   |            |   |

TRBE 70%  
 SHUB 30%  
 LMB 45%

NALSA ↗

Roller photo 5  
 ⇒ NE AS ARS099A/B

ARS099B



1100 - AS #141  
 - Upland Trees

- Tamarack Aspen T
- Red maple T/S
- Gray birch T
- Red-cupfern H
- Tree-like shrubs H
- Bunchberry H
- Waxfern H
- Flowering birch S
- Club moss H

Shrub Cover:  
 TREE - 80%  
 SHRUB - 15%  
 Herb - 60%

DISH - up to 12"

- 200 Retired to track - broke f. track
- Retired to field - survey relative access to #135 for  
 (think mill is 20.)
- 300 spoke with each all but 3 complete w/ Ellerly
- \* 71, 72 : 162 - noted that we did not  
 delineate these white lines



TETRA TECH

SUBJECT HORROR

PROJECT \_\_\_\_\_

Chloro Co. (under) PA...

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 11/2/05 PAGE 4 OF 6 PAGES

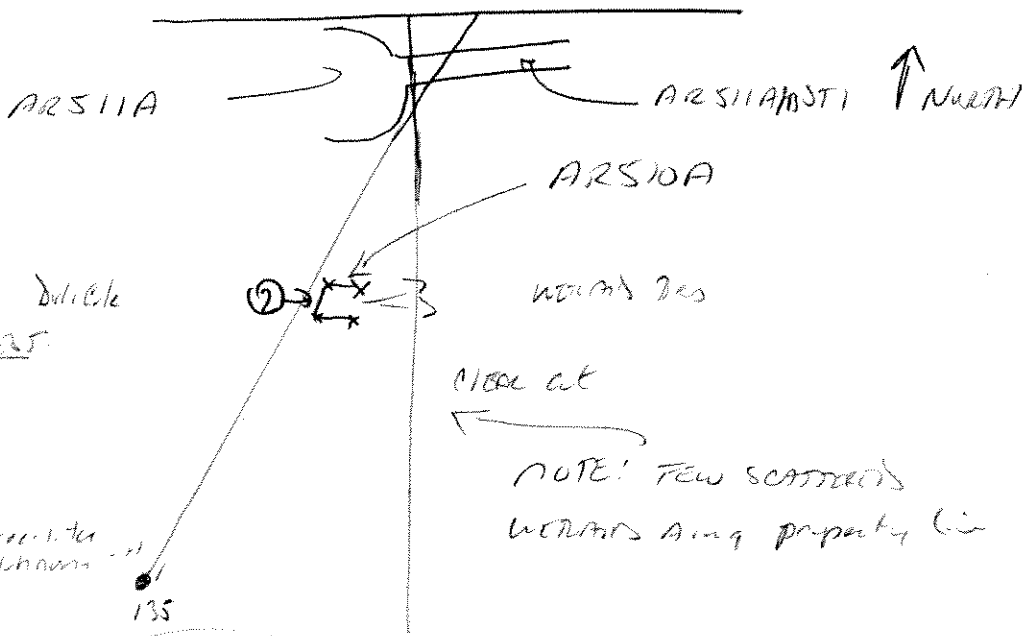
→ TRICKED him to complete that we will meet him up by 4, 1735<sup>1</sup> 174.

→ ~~22~~ Voice mail for J. Tol RE: B. Tol says

1345 - AT RR line #135

BEST Route - straight line for Turbidity to NE corner of parcel.

Relocated wetlands ARSIOA along proposed new Access Rd.



UPPER PART

- Red maple T/S
- Tamarac Aspen T
- Black cherry T
- A. Birch S
- Wagon wheel H
- Branch fern H

- Turbidity station

DISH up to 12"

- Power:
- Tree 85%
  - Shrub 40%
  - Herb 10%

Relocated wetlands ARSIOA ⇒ EOTI

ARSIOA PTD/PSS

- Red maple T/S
- Gray birch T/S
- Dequess S
- meadowweet S
- Splaw num



TETRA TECH

SUBJECT Huron

Clinton Co. Wetland

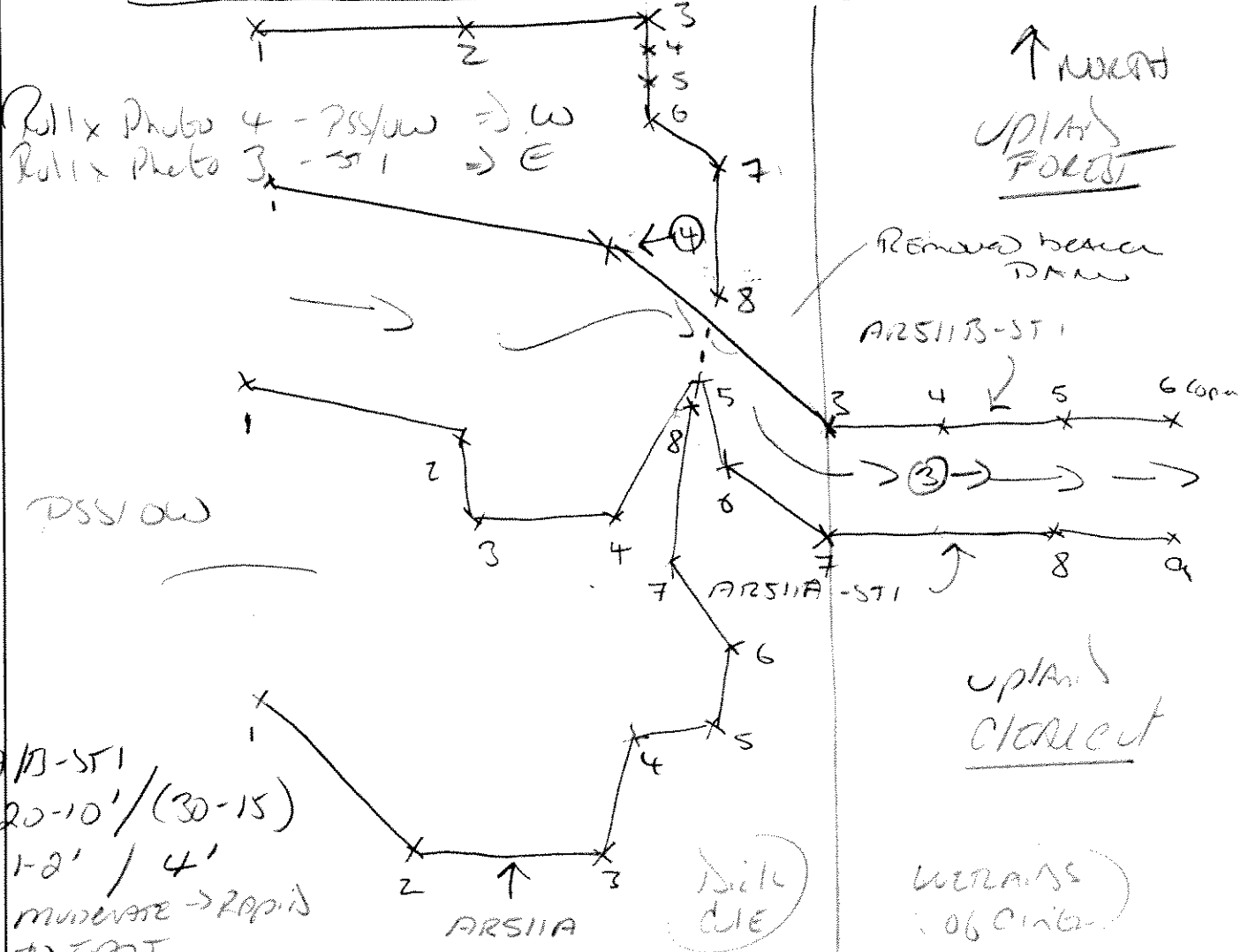
PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

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Clinton Mills Run



Roll x Photo 4 - PSS/OW → W  
 Roll x Photo 3 - ST1 → E

PSS/OW

ARSIIA/B-ST1  
 width 20-10' / (30-15)  
 depth 1-2' / 4'  
 Flow - moderate → rapid  
 to east  
 Substrate - silt bank / gravel

UPLAND FOREST

NOTE:  
 ARSIIA/B Former beaver Pond  
 Remnants of dam at  
 wetland points ARSIIA/B 8.

Proprietary  
 boundary

- PSS:
- meadow sweet S
  - speckled alder S
  - Steeplebush S
  - Sillcy willow S
  - Rattle snake grass H
  - J. Equis H
  - wall grass H
- ARSIIA/B

- Field meadow grass H
- Spice bush H
- Patri bush H
- Arrow to x / black thorn H
- Silk dogwood S
- Red osier dogwood S





TETRA TECH

SUBJECT \_\_\_\_\_

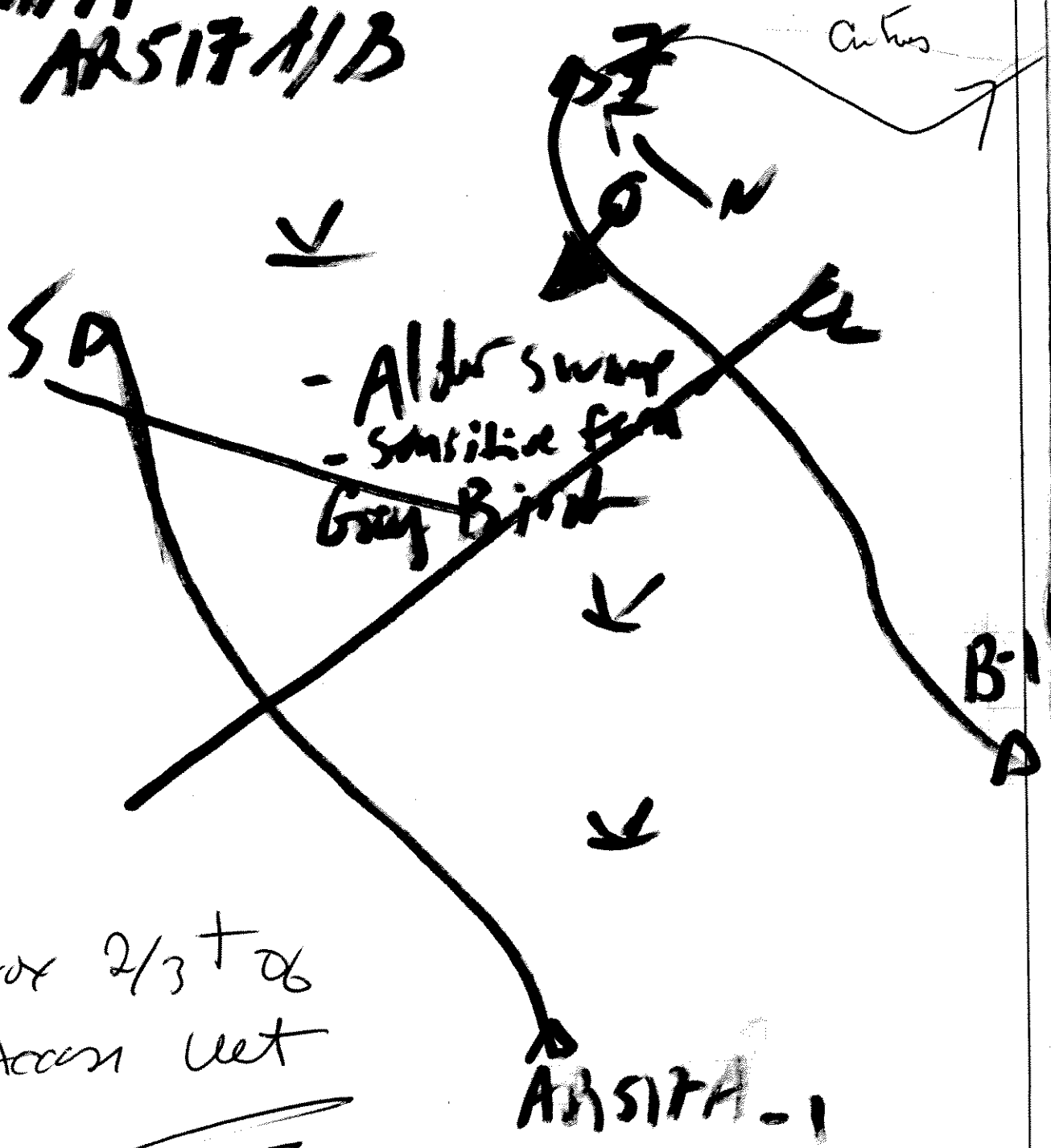
PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

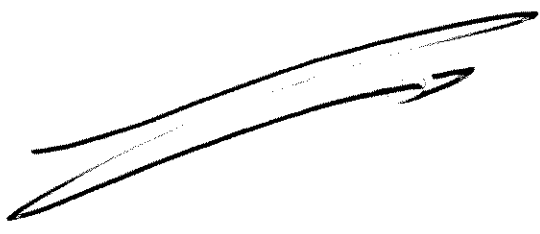
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE \_\_\_\_\_ PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

Rally Point # 19 looks W at  
AR517A/B



Approx 2/3 + of  
Access wet





TETRA TECH

SUBJECT Horizon

Clark Co Wisconsin

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 11/9/05 PAGE 1 OF 8 PAGES

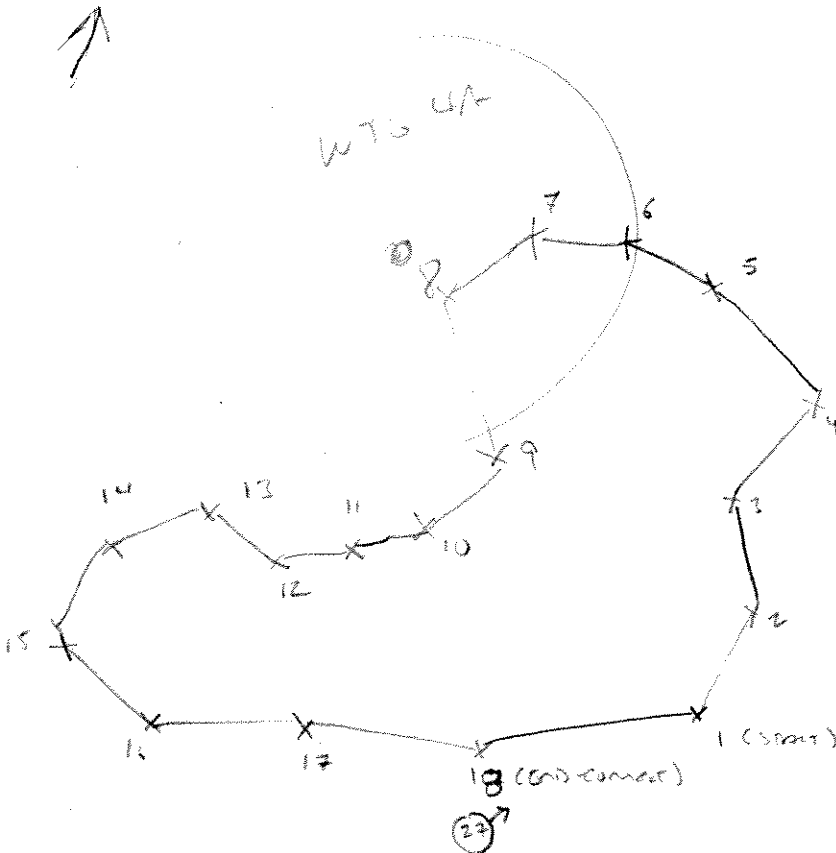
11/9/05

OTCWA - Brandon! Susan Pack 2w within property  
 OTCWA D - Matt, Keith & myself - to 4A & 173 - According to new  
 shape files 173 was deleted  
 - Aja will swing access for # 173 to #121

OTHS - STAG W. 4A

VEG:

- Sycamore 5
- Red maple 5
- Gray Birch 5
- Sensitive Fern H
- Caper sp. H
- grass sp. H
- Red maple 5
- 3 others



Roll 4 - PDU 27 => NE AT WTG 4A - P1 (perm/DSS met)

NE NEED 2 more points to NW

OTHS - other successful (gl)  
 Timberline - S  
 Red maple - S  
 Quercus - S  
 American sweet - S  
 Grass - H  
 Misc. Forbs - H



TETRA TECH

SUBJECT 14/11/05

Canterbury University

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

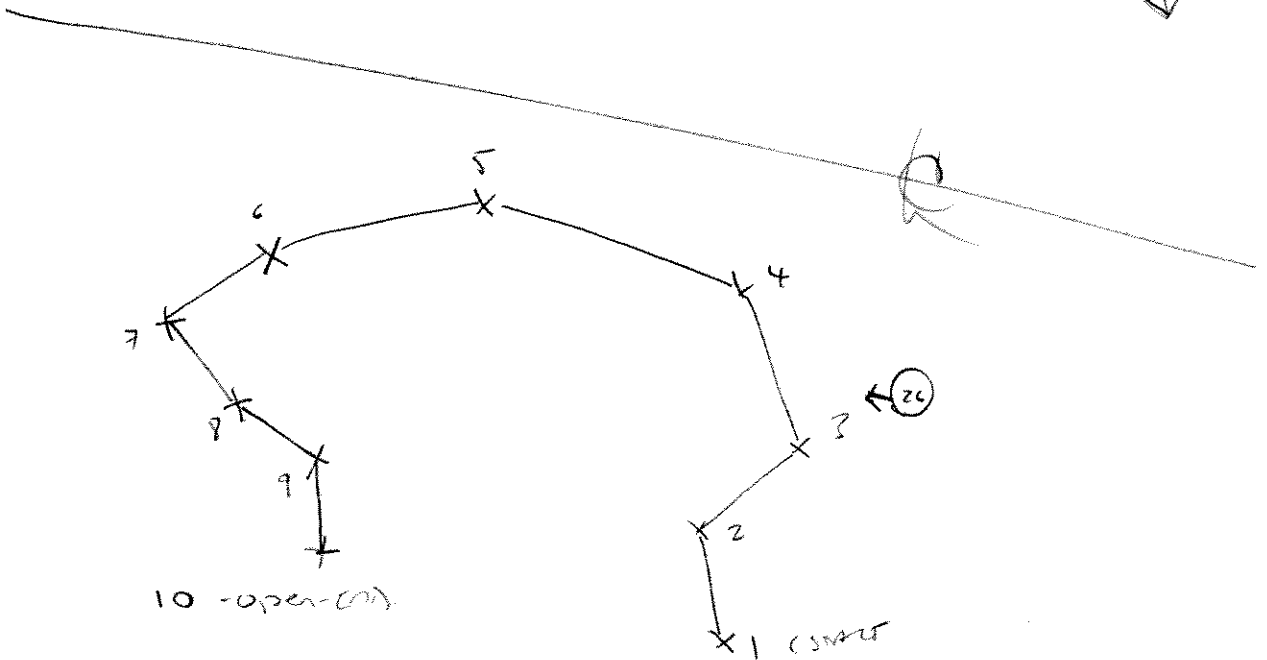
TC/P NO. \_\_\_\_\_

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0830 - outline to 76.0000 # 173

0840 - delineate A2512A hbm turbines 4A t  
173 Pen / PFD / OW

↓ Ward



- Rally photo 20 ⇒ E at A2512A

PFD / Pen / OW

Red mole 7/5

Crane sp 4

Crane sp. (common) 4

Inch (Wren) 4

Sensitive fern 4

Goshawk 5

IRP 5

TREE - 30' dia

SHED - 20' dia

HEM - 60' dia

( 0850 - outline 10-11 173



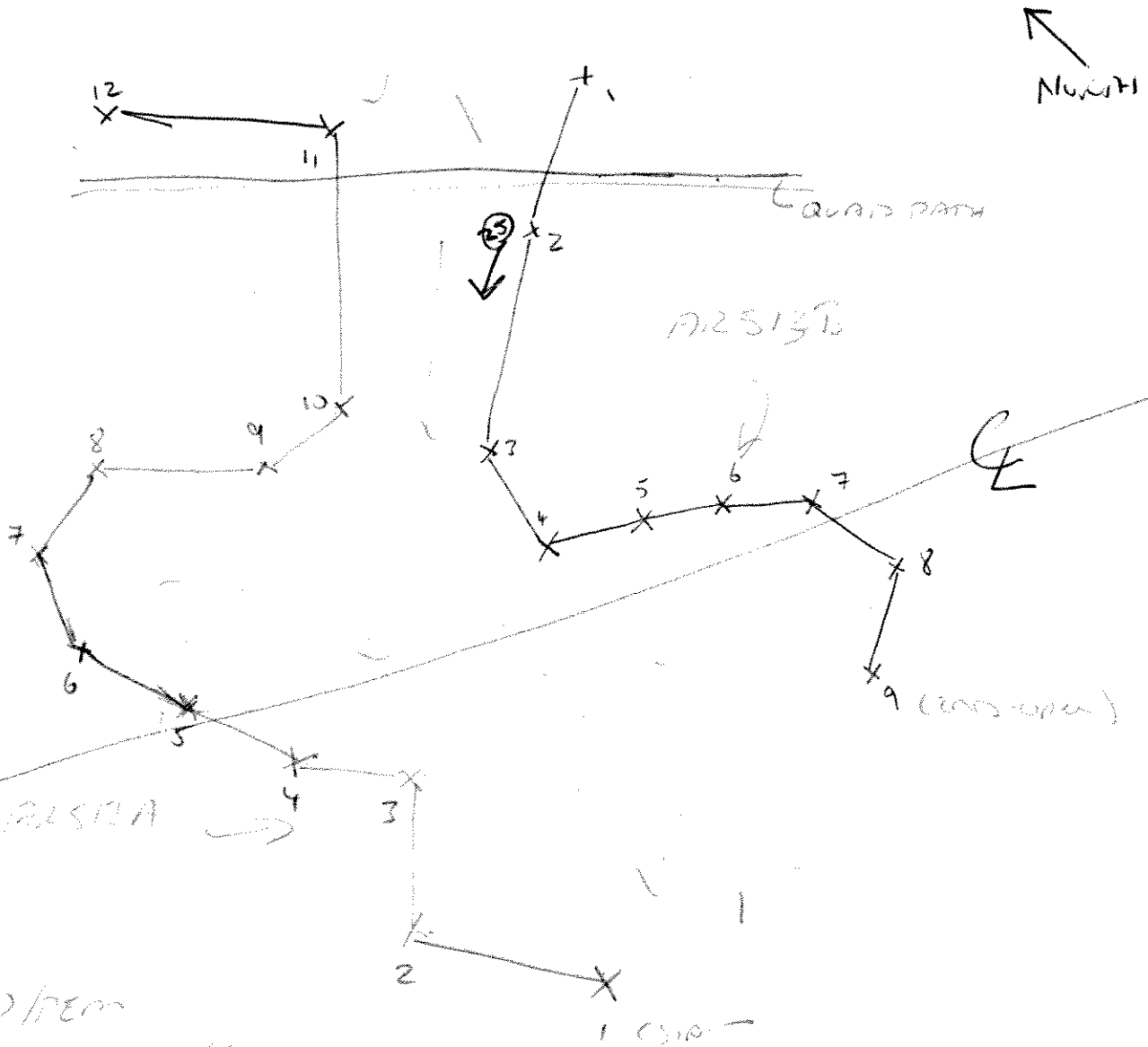
TETRA TECH

SUBJECT Thorn  
Chlorine Chloride  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 11/9/05 PAGE 3 OF 8 PAGES

Roll y photo 25 => WSW at  
we have ARSIS 17/13

note: ARSIS  
Recently logged



170/1700

- 170/1700
- 170/1700
- 170/1700
- 170/1700 H
- 170/1700 H
- 170/1700 H
- 170/1700
- 170/1700 H

ARCS: 7 = 65°10  
 5 = 15°10  
 11 = 80°10



TETRA TECH

SUBJECT Hortia

Catchment

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

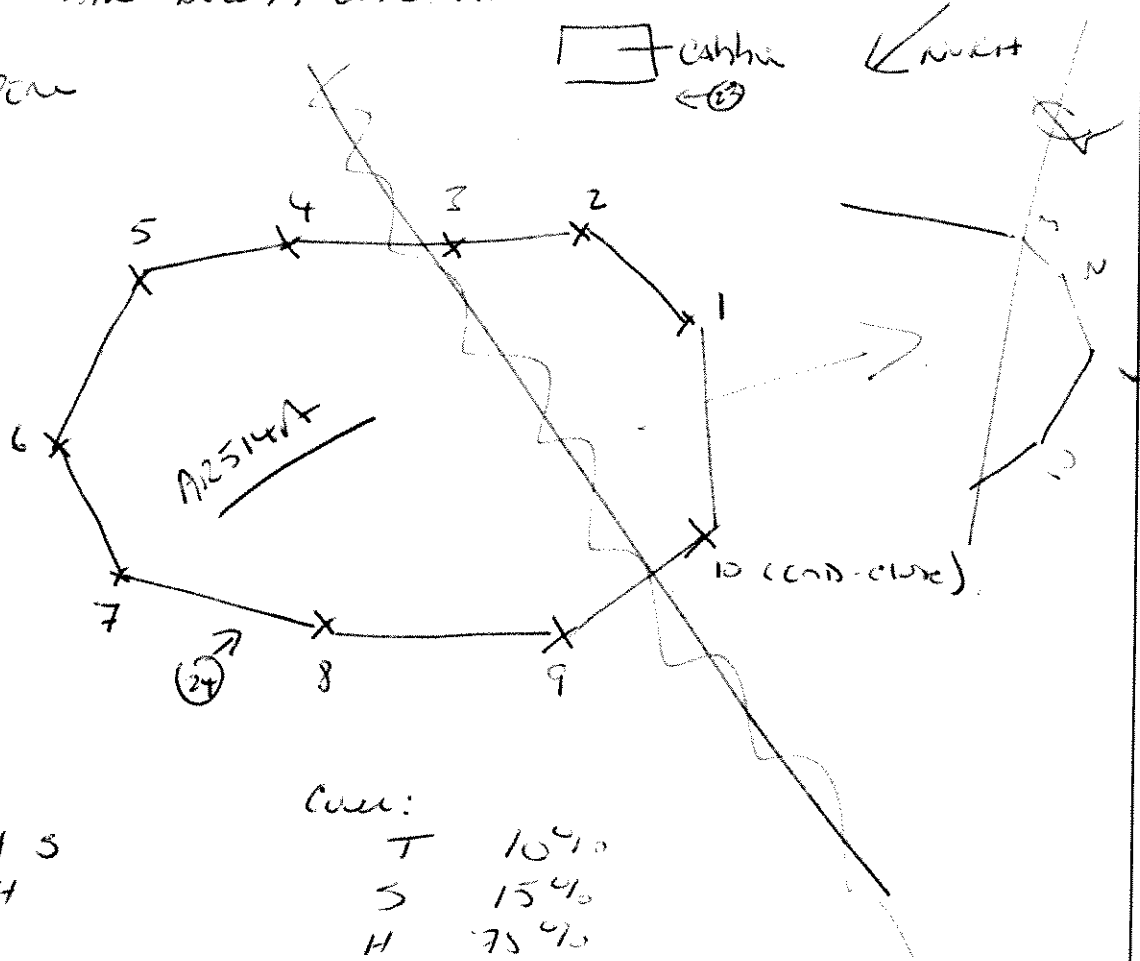
DATE 11/9/05 PAGE 4 OF 8 PAGES

WERNAD  
LEZEC

u 0945  
hm ~~Access~~ WTC 4A & 173

PFO/PSS/PCW

Roll 4 photo 24  
SSE AT  
WERNAD  
A12514A



- 200 sample T/S
- Dipsos S
- J. Equus H
- meadow weat S
- SDHA7 MUM H
- wood fern H
- R. STEPHENS G. W. H
- CAROL SP. H
- sensitive fern H
- AMER. C. H

Cover:

T	10%
S	15%
H	75%

NOTE - Remnants of 12' x 15' log cabin to SE of WERNAD

Roll 4 - photo 23 - Cabin

- 1040 FT WTC #173 - High & Dry upland forest.
- 1040 FT WTC # 121. on Wilkins property
- irregularity of potential Access to log cabin
- will shut in w/ gate on line fence



TETRA TECH

SUBJECT Horizon

Chitra C. Vasudevan

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 11/9/05 PAGE 5 OF 5 PAGES

100% process mark to mark #173 from #121  
NINDO CLEAR cut SWATH  
AR2515A/D work (PFO)

← KINUNDA

AR2515A

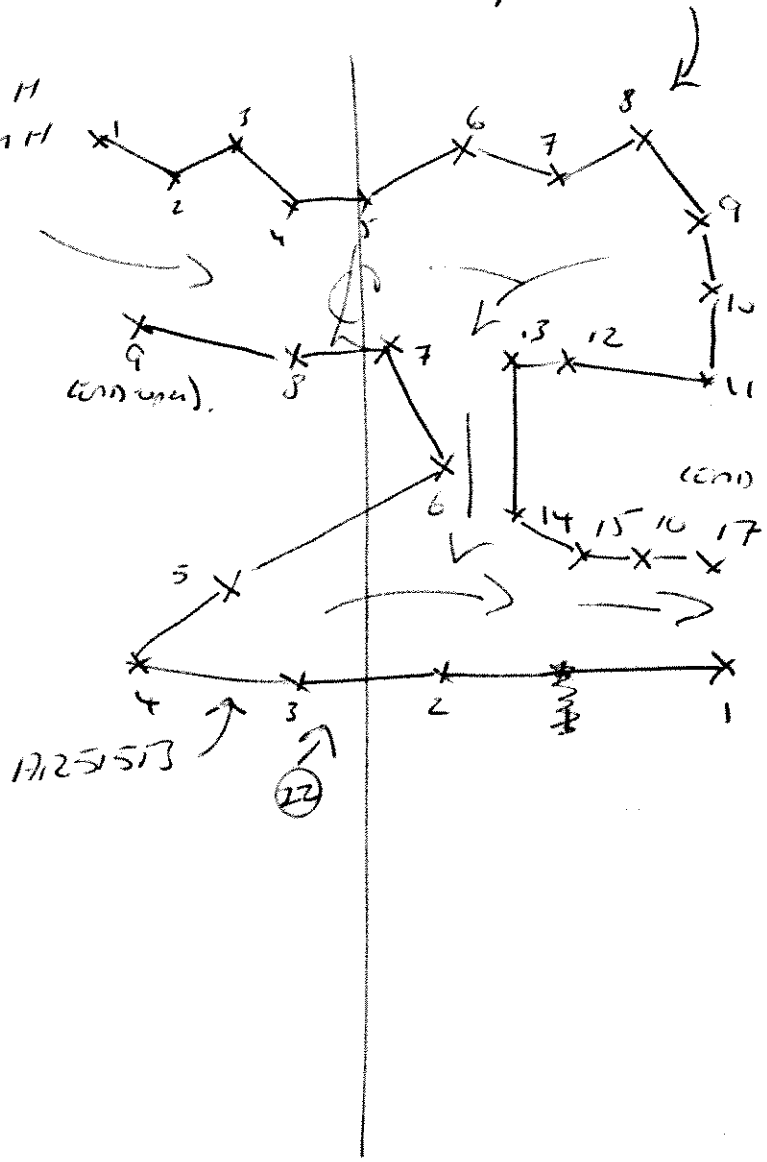
PFO -

- Red mark TIS
- Grayhull T
- Flat area after H
- SPEN H
- CRACK Sp.
- Tusho area T
- wood for

columns H  
2PHYSICAL H

Area area 65%  
Sh26 25%  
Hk4 80%

Roll 4 photo 22  
⇒ south of AR2515A/D





TETRA TECH

SUBJECT Huizao / clata

La Lindizana

PROJECT \_\_\_\_\_

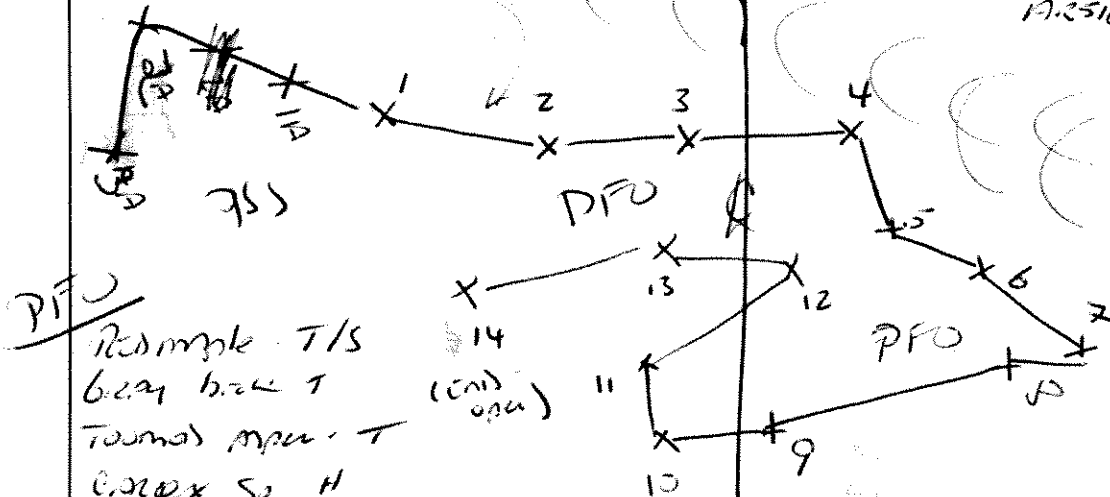
TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 11/9/05 PAGE 6 OF 8 PAGES

WORMS AR516A (PFO)

Roll 14 photo 21  
=> south of  
AR516A



PFO  
 Red maple T/S  
 Gray birch T  
 Tamarack maple T  
 C. oak sp H  
 Spruce mm H  
 Oak mm H

Roll 14 photo 20  
=> S of  
AR516A - A

PSS

Speckled Woodpecker	S
Gray birch	S
Spruce mm	H
C. oak sp	H
Jeffers	H
Ripe blackberry	H
C. oak sp	H
R. white spruce	H
Sweet Birch	H

1215 hole at Ridge # 173  
Upward Forest on A knoll

- A. birch T/S
- Gray birch T/S
- Sugar maple T/S
- Wood Birch H

Area:

Tot - 854  
 Shrub - 154  
 Herb - 654



TETRA TECH

SUBJECT

Huron

Canta Co Wildlife

PROJECT

TC/P NO.

ORIGINATOR

CHECKED

DATE 11/9/05

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OF 8

PAGES

1300 - Recon Access hole #35 & #151

1330 - crew A called GPS unit locked up.

- ↓ drove spike out to crew A while  
tube is cutted w/ surge #35 → #151

1400 - met Charlie at fire base.

- ① - hold off on #6, 8, 7, 5 → owners hunting
- ② - hold off on #172 & 26 → until we get a map
- ③ - #71, 72 & 162 → 71 ok but no access for 72 & 162  
There came later - notebook of Eckenburg AT  
Keith thought.

1430 - Dropped off GPS unit

1445 - Returned to PLO crew.

Scrapped Access Rd. - w/ 2/3 + wet between  
#35 & #151.

NOTE: need to verify tubes 33, 34, 151, & 36 & 35  
Access?

- Keith - 36 completed - shows wet logs

- NOTE Access Rd. to King changed - using old Rd.

(NOT SURVEY)





TETRA TECH

SUBJECT Horizon  
Clash Coleridge  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 11/1/15 PAGE 8 OF 8 PAGES

1530 - From 189 Head towards Access below #15 (22).

1545 - Spike up more

→ need to explain 6th & seal to him ← ?

NOTE: Access to 15 (22) cliffs from previous maps need to re-delineate all Access Points.

for RT 189 → 15 → 22.

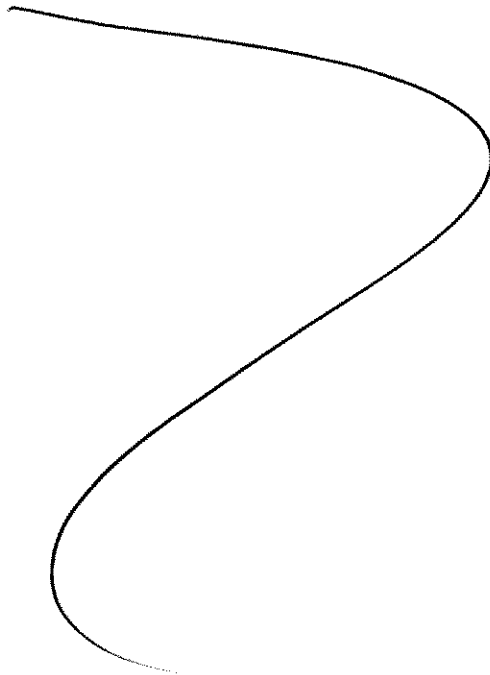
ATTEMPTED to

From Trench #15, ~~Delineated~~ to #22

- Getting dark - GPS unit not working in tree well - low battery

1620 left - Relocated to Willis's property  
L & a Team A

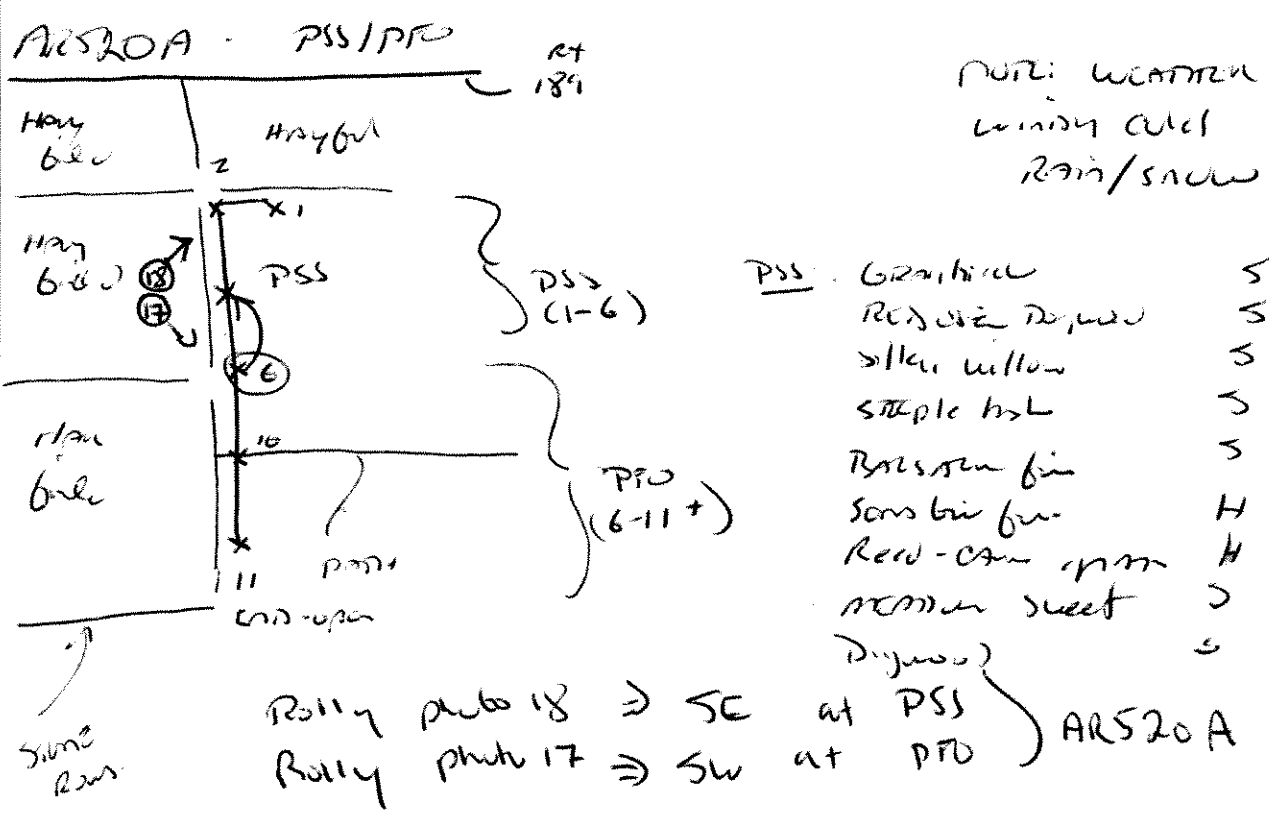
- 1645 left field



0600 MET crew

- spoke w/ crew regarding Budget - 10k / day.
- SHAWN STATED he put in the hrs yesterday instructed him to bill 10.00 hrs by 6:00
- Brenda ok - Right a track.
- spoke w/ Shawn again after commute to site 1 on 1.
- Asked how he calculated 14 hrs for yesterday he said he pulled it out of his ass.
- we calculated his hrs yesterday together came to 11.5. (10 hrs field + 1.5 Company time for CPS). Authorized him to bill 11.00 for yesterday.
- he was fine w/ the amount.
- Inquired about travel time - STATED he was ok to bill.

0800 - AT 189 near Niles 22:15.





TETRA TECH

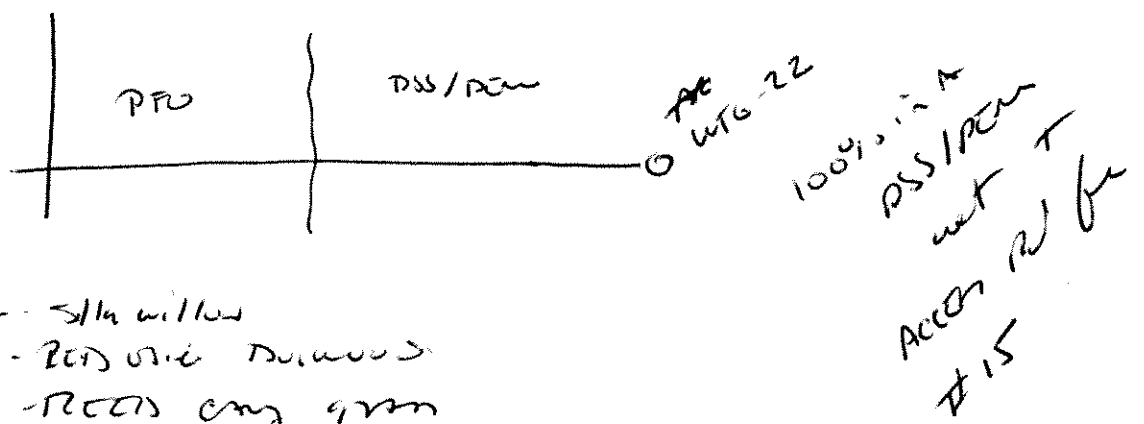
SUBJECT Honin  
Oliver Colman  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 11/10/05 PAGE 2 OF 8 PAGES

PRO MSM H  
Balmer T/S  
Atlantic T/S  
Graphic T/S  
QASpe T

TRAC - 90°10  
3027 - 8090  
Heli - 5590

note: never had of pen. At the same time - AC (1/10/05)  
Rec'd change 4 5 Feb



- DIS/DEM - S/W willow
- Rec'd via DAWOOD
  - Rec'd by gram
  - J. E. Wms
  - Sensitive Gen
  - Waco system

NOTE: needs to send # 22 + ACCR  
Rd for 15 in.

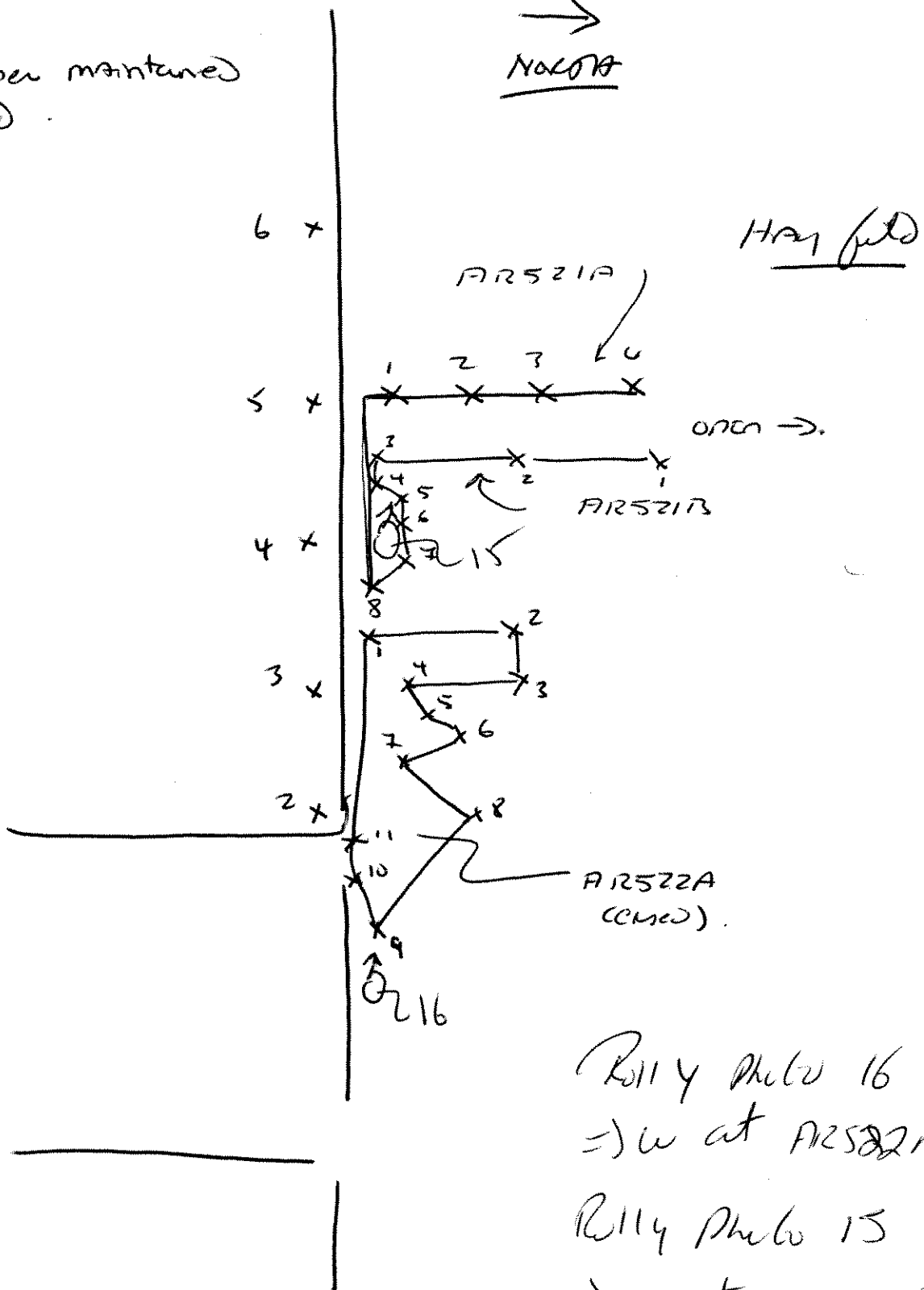
2 PEN (521 & 522) within check a access to  
to # 15

- Rec'd comm
- J. E. Wms
- gram sp.
- Sensitive Gen

All in Active Map field  
NOT PLAYED but Surveyed w/ GPS

Plan in open maintained  
 has filed.

→  
NALOTA



Roll 4 Photo 16  
 => w at AR522A  
 Roll 4 Photo 15  
 => w at AR521A/B

pt. 185



TETRA TECH

SUBJECT Horizon  
Chita Co. (Unison)  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 11/10/15 PAGE 4 OF 8 PAGES

1100 - back at truck in area - Delivered old  
from RD back to vicinity of #17

Secure returns on parts will return when his parts.  
Cubins w/ Recn efforts

1130 - broke for lunch

1230 - AT <sup>Dick</sup> ~~the~~ codes

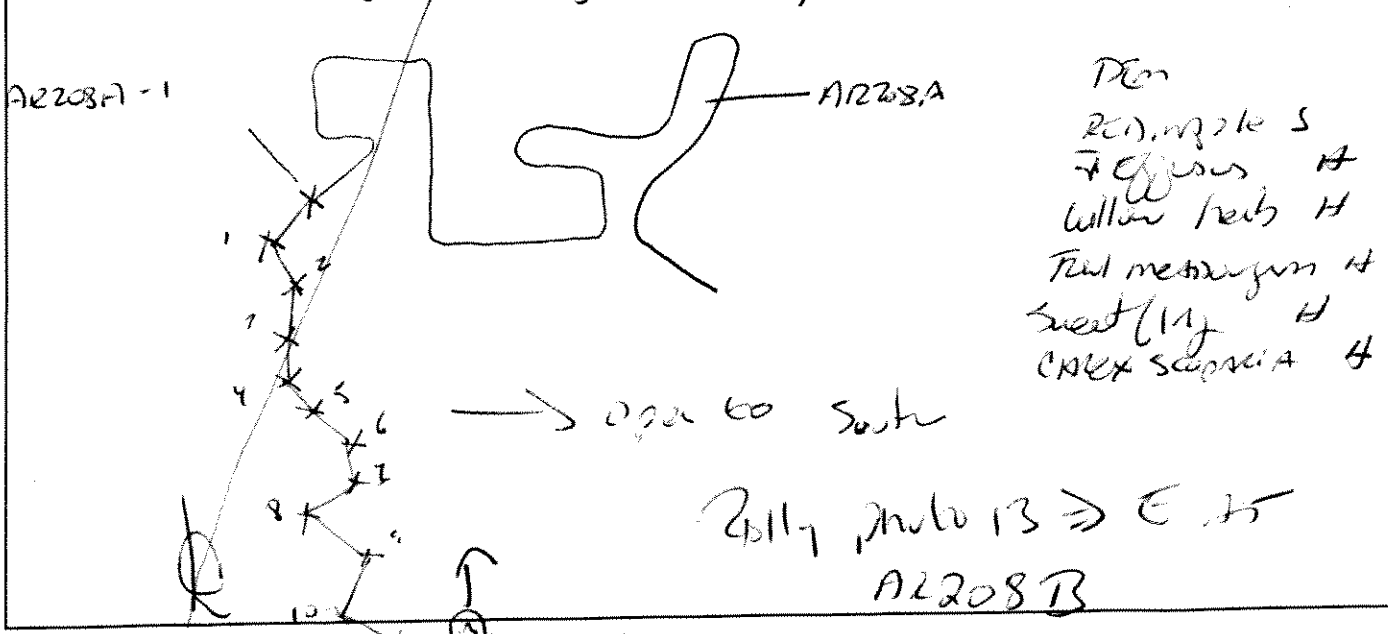
1245 - spoke w/ Dick - ok to access his property and  
contents of Chita property

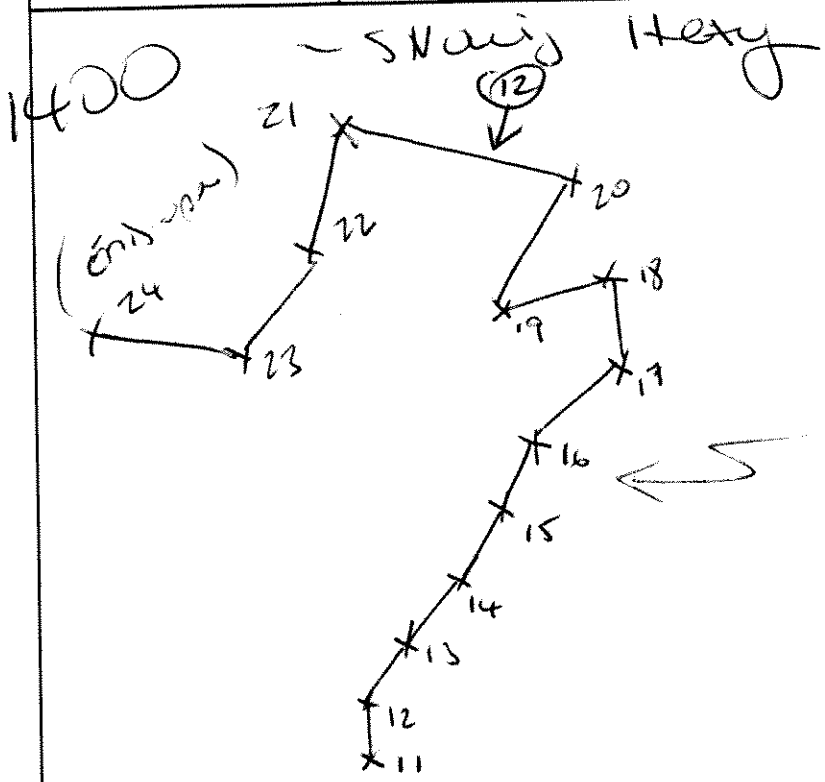
1300 - spoke w/ Mr. Lashung's brother at Rick  
Lashung's camp - ok to proceed - Rick AT  
Border Stand

1315 - AT interests of Access RD a Lashung's property

Proceeded to vicinity of #17 Along clear cut swam.

Spotted AT A2208A nearby - Possibly Delivered





Roll photo 12  
 => SE

AREA veg. Disturbed  
 (1970s) - mesic

Note - ambient  
 AR208B one bin #18 May

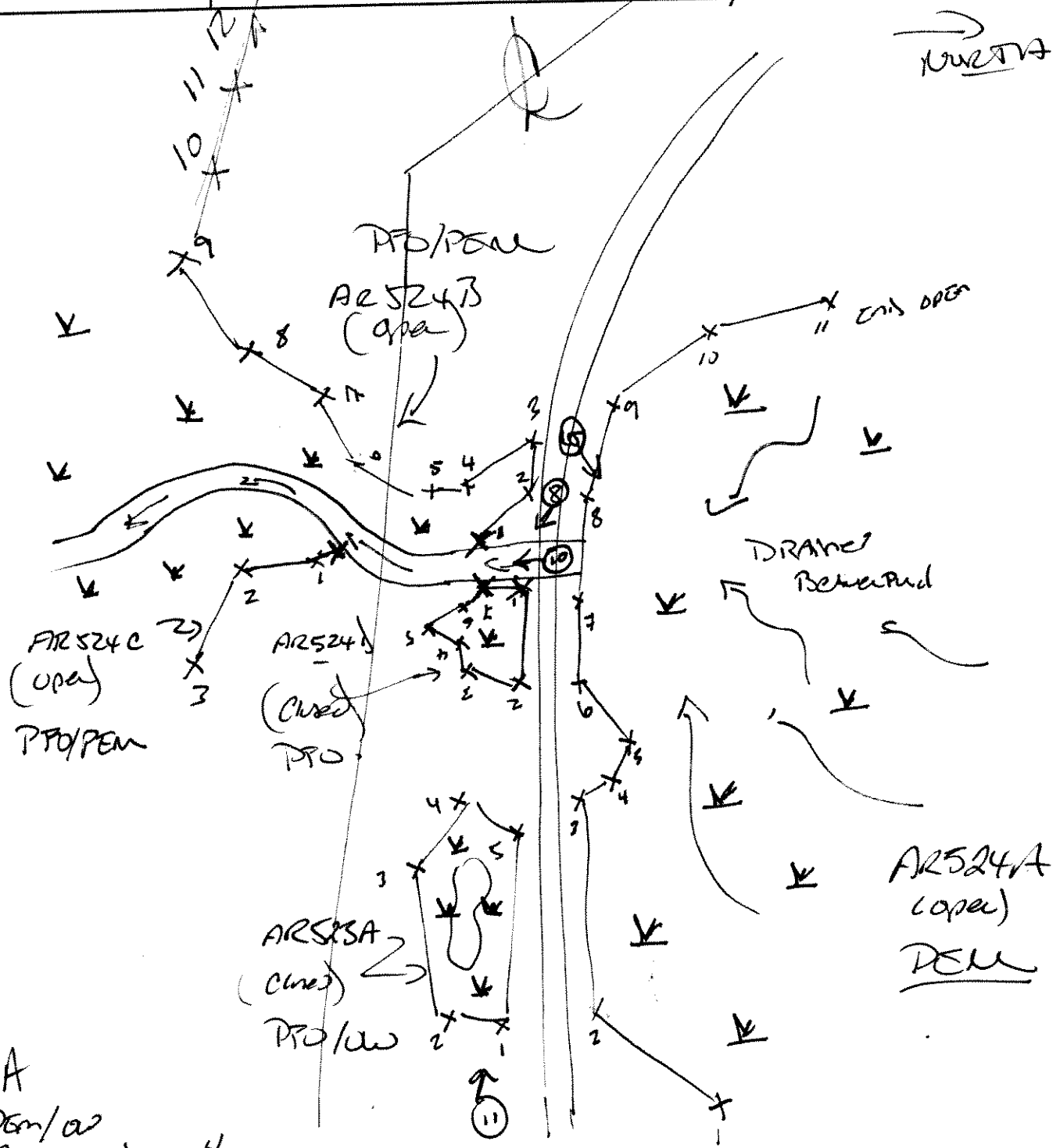
- Red maple S (open shrubs)
- Thornbush S
- Sweetgum H
- Seed Ptz H
- Willow herb H
- equisetum H
- CLARK SP H
- CLARK Spigular H
- TAN lichen H



TETRA TECH

SUBJECT 1-10-2015  
Clute Co. WSDOT  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
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ARS24A  
 DEM/aw  
 Carlos Alvarado H  
 J. Effesus H  
 Chhmm H  
 Sphm mm H  
 Led mple 1/5

Roll 4	Photo 11	→ West	ARS23A
"	10	→ W	AA ARS24 A/B/C/D - ST
"	9	→ E	AT ARS24 A
"	8	→ S	AT ARS24 D
"	7	→ SW	AT ARS24 B
"	6	→ S	AT ARS24 C

\* AR524A (PDM/PSS) - (Drained Netex Pond)  
 - lots of standing dead maple trees.  
 - Carex cinerea H  
 - Carex H  
 - Stropholobos S  
 - T. effusus H  
 - Rattiesnake grass H  
 - meadow sweet H  
 - Wood grass H  
 - elder S  
 - Fowl meadow grass H  
 - Burn netex H  
 Cues: 20% Herbs  
 40% Shrub

\* AR524B (PFO/PDM) - (Old beaver channels)  
 - R.S. Goldenrod - H  
 - Arnica leaf - H  
 - meadow sweet - S  
 - Stropholobos - S  
 - owl meadow grass - H  
 - S. effusus - H  
 Cues: 60% Herbs  
 15% Shrub  
 25% Hail

\* AR524C (PFO/PDM)  
 - Speckled Alder S  
 - Red maple T/S  
 - Same Herbs/Shrub as AR524B  
 - Same cue as AR524B

\* AR524D (PFO/PDM) - Disturbed  
 - Red maple T  
 - T. effusus H  
 - willow herb H  
 - Rattiesnake grass H  
 Cues: 30% Herbs  
 60% Herbs





TETRA TECH

SUBJECT Huron

Chick G Windsor

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 11/10/05 PAGE 8 OF 8 PAGES

1625 - AT Property Boundary of Lashway & Wetland of Chick - quit on job

1640 - Back at truck

- 1/2 site.
- Fed on the crew
- Received call - crew left site at 1650
- Fed on - signed off spare unit

Area a - complete within property  
 of most of Dick Als property north of Chick with Rv.

11/11/05

Part 1 of 5

TASKS: Circle A w/ ① complete Dick Cole's property to NECA  
(Shawn & Trizom) of Clinton with RD:

② Turbine # 136 (also Dick Cole's property)

③ Dis from RD from RT 189 to #17.

TEAM D (Kech & myself) - complete work on Dick Cole's property  
will meet at station 40 at 300 to get back from  
to photos etc.

0800 spoke w/ Dick Cole re access to property

0820 attempted to contact Carolyn re one time at camp  
proceeded to property boundary & location of Clinton

NOTE: AR524 A1B1C/D - ST 1

- Flow to WSW as a moderate flow

- Substrate - sandy loam, gravel & cobble

- width (8' / 12')

- depth (8" / 2')

- periodic

0840: Del roads AR525A from property boundary & 137W

PRO - Green Ash T

Russ oak T/S/H

Green sp H

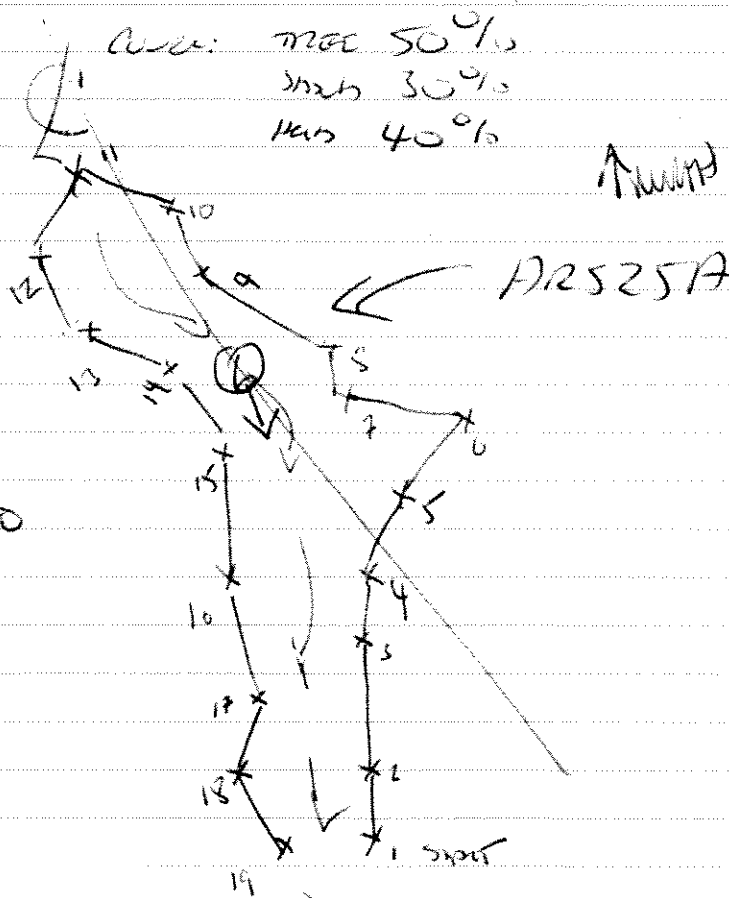
consolidated fern H

Willow herb H

Sundew sp H

Silky moss H

Wood fern H



Roller probe 6 ⇒ SSE to  
AR525A

11/11/05

Pg 20, B

Site at Trench # 138 W

High & Dry - up 1000' Trench intersected by layers of

- Rod maple T/S
- T. Elm open T
- Gray birch T
- Prun. peccol S
- Club moss H
- lichens H
- Beech leaf H
- Tree like Club moss H

Quercus - 80%

Shrub - 70%

Herb -

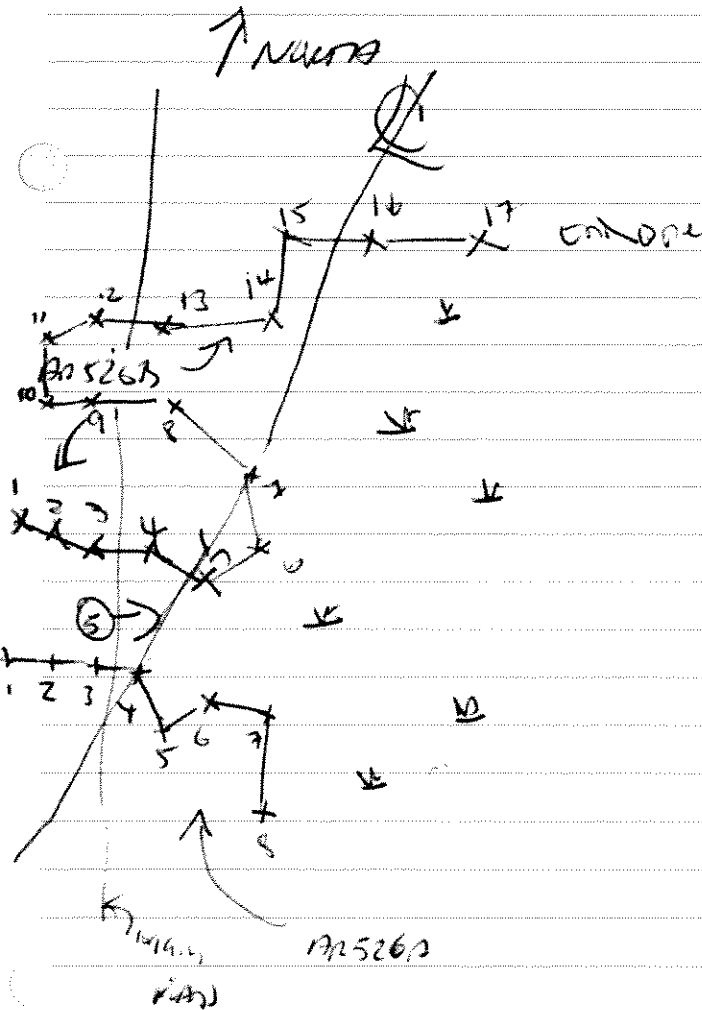
Continued along access rd to # 138

Site Delimitation AR526A/B

Location near trench # 138 for 138.

PSS:

- Gray birch S
- Sycamore S
- Rod maple S
- Sycamore S
- Dogwood S
- Kalmia S
- T. Elm H
- Spring moss H
- T. Elm H
- Cereus sp H
- T. Elm H
- Cereus curvatus H
- Sphagnum (Silly?) S



Roll - Photo 6 → W of AR526A/B

11/11/05

A305

1050 Delinero's A2527A located between trees 137 & 138

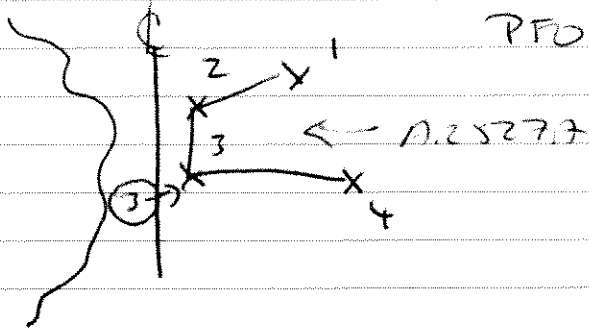
Roll 1 - photos -

⇒ Sat

A2527A

- Highly disturbed
- pruned area
- Red maple
- Gray birch
- Dogwood

(see 11/9/05)



← NORTH

PRO: Red maple T/S

Spring map H

Dogwood H

Dogwood S/H

Alhambra H

Can:

tree - 70%

Shrub - 60%

Herb - 40%

1040 AT Julie's 138

Highly disturbed area clear cut Access RD

- Red maple shrub

- Pruned area

- Continued to #139

1055 Delinero's A2528 A/B

← NORTH

PSS -

Red maple T/S

Gray birch T/S

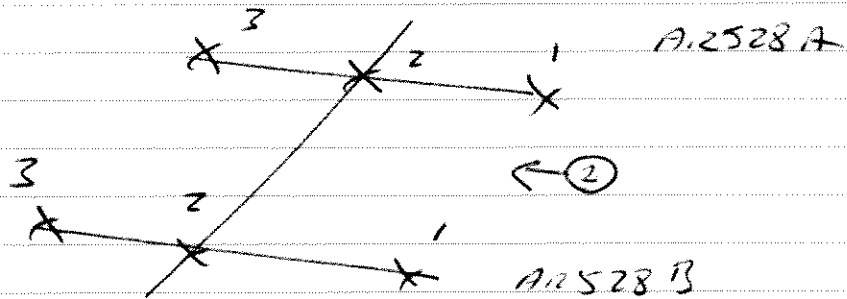
Dogwood S

Cin fern H

Spring map H

Pruned area S

Alhambra H



Roll 1 photo 2 ⇒ E  
AT A2528 A/D

Can: tree - 100%  
Shrub - 85%  
Herb - 75%

11/11/05

1230 AT Tube # 139. - Upland Forest

Tattooed mper	T	Code: TREES - 75%
Gray heron	T/S	Shrub - 65%
Red maple	T/S	Herb - 60%
White pine	S	
American	S	
Chickadee	H	
Brook sparrow	H	
Tree-toad (Chickadee)	H	
Song - (Lark)	H	
Katwren - (Lark)	H	

Next

1240 proceed for Tube # 139 to 140

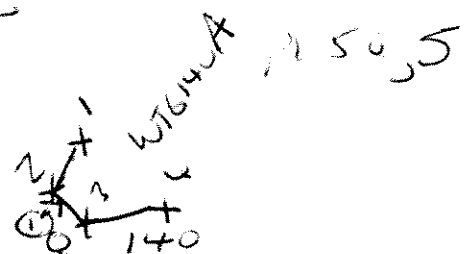
1500 - Arrived at tube # 140A  
by L on Dy. - Upland Forest

Tattooed mper	T	Code: Tree - 90%
Red maple	T/S	Shrub - 80%
Gray heron	T	Herb - 15%
American	S	
Brook sparrow	H	
Chickadee	H	

Next passed 3 or 4 small PPO wetland sites  
139 & 140 with Song on Return

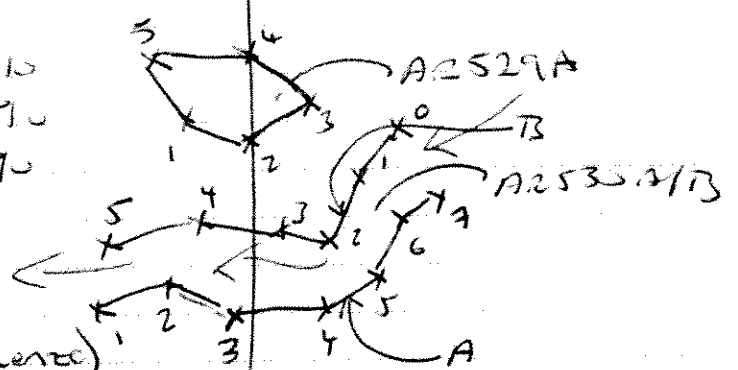
11/11/05

1000m - Centre Co. Louisiana



1305 - Delonix WT6140A (PFO/PSS)  
 Roll - , Pinco 1 → E of WT6140A  
 Red maple T/S  
 Gray birch S  
 Dogwood S  
 Oak spp H  
 Spruce spp H  
 Oak spp H

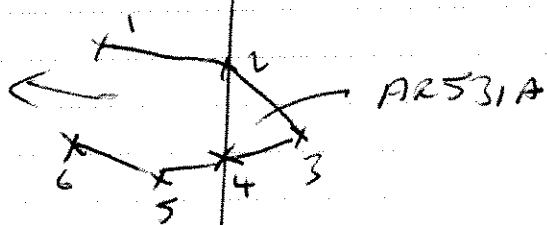
Cover:  
 TREE - 20%  
 Shrub - 85%  
 Herb - 35%



1315 - Delonix AR529A (PFO within Center)

Isolated  
 Red maple T/S  
 Oak spp H  
 Spruce spp H  
 Gray birch H  
 Gray birch S \* no phloem  
 Tuberose T  
 Red oak of 6m

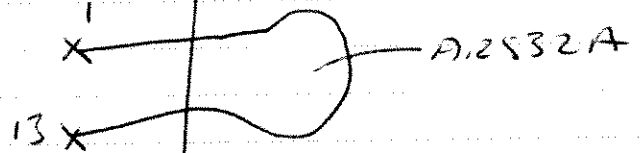
Cover:  
 TREE 80%  
 Shrub 70%  
 Herb 75%



1330 - Delonix AR530A/B (PFO)

Red maple T/S  
 Gray birch T/S  
 Oak spp H  
 Spruce spp H

Cover: TREE 30%  
 Shrub 45%  
 Herb 95%

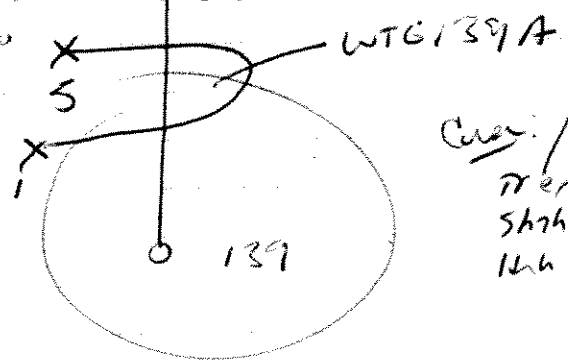


1445 - Delonix WT6139A  
 MCBic. Kalmia S  
 Red maple T/S  
 Gray birch S  
 White pine S  
 Spruce spp H  
 Oak spp H

1345 - Delonix AR531A (PSS)

Red maple T/S  
 Gray birch T/S  
 Dogwood S  
 Oak spp H  
 Spruce spp H  
 Kalmia sp/H

Cover:  
 TREE 15%  
 Shrub 80%  
 Herb 90%



Cover:  
 Tree - 5%  
 Shrub - 70%  
 Herb - 85%

1400 - AR532A (PSS)

Spruce spp  
 AR531A

TREE - 15%  
 Shrub - 95%  
 Herb - 80%

Willkins Rd (Boatlegger Rd)

602A WL PEM  
no data sheets recorded

~~Sean's~~ camera ~~off~~ pix #3 looks SE  
SEAN #4 looks W at 602B

A/B lines connected through culvert (see sketch)  
602A - Grass sp. PEM  
- Crack/Beak willow  
- Sedge Bush  
- Gray Birch

602B - Grass sp. PSS  
Sedge sp.  
Crack/Beak willow  
Gray Birch  
Juncus Effusus

603A - PEM  
Grass sp.  
speckled Alder  
Cattails  
Sphagnum  
willow sp.

Sean's camera pix #5 looks East

603B PSS  
speckled Alder  
Gray Birch  
Sphagnum  
Bugle weed  
Meadow Suet  
Rush sp.  
Sedge sp.  
Beak Willow

Sean's camera pix #6 looks W  
Juncus Effusus

603C PEM/PFO  
Carex sp.  
Juncus Effusus  
Grass spp.  
Speckled Alder

pix #5  
Balsam Fir

AR 599A/B St on Rogers Rd flows NW → SE  
 Connected by culvert pit # 8 SE  
 MW

AR 599A - WL PSS - Speckled Alder  
 Sensitive fern  
 Grass sp.

AR 599B - WL PEM - Tear Thumb  
 Elderberry  
 Speckled Alder  
 Sensitive fern  
 Grass sp.

AR 604A PEM

- Sedge Sp.                      pit #10 looks E
- Grass Sp.
- Meadow Sweet              - Sphagnum
- Junco Effusus
- Balsam Fir
- Acer Rubrum

↑ Connected by  
 culvert ↓

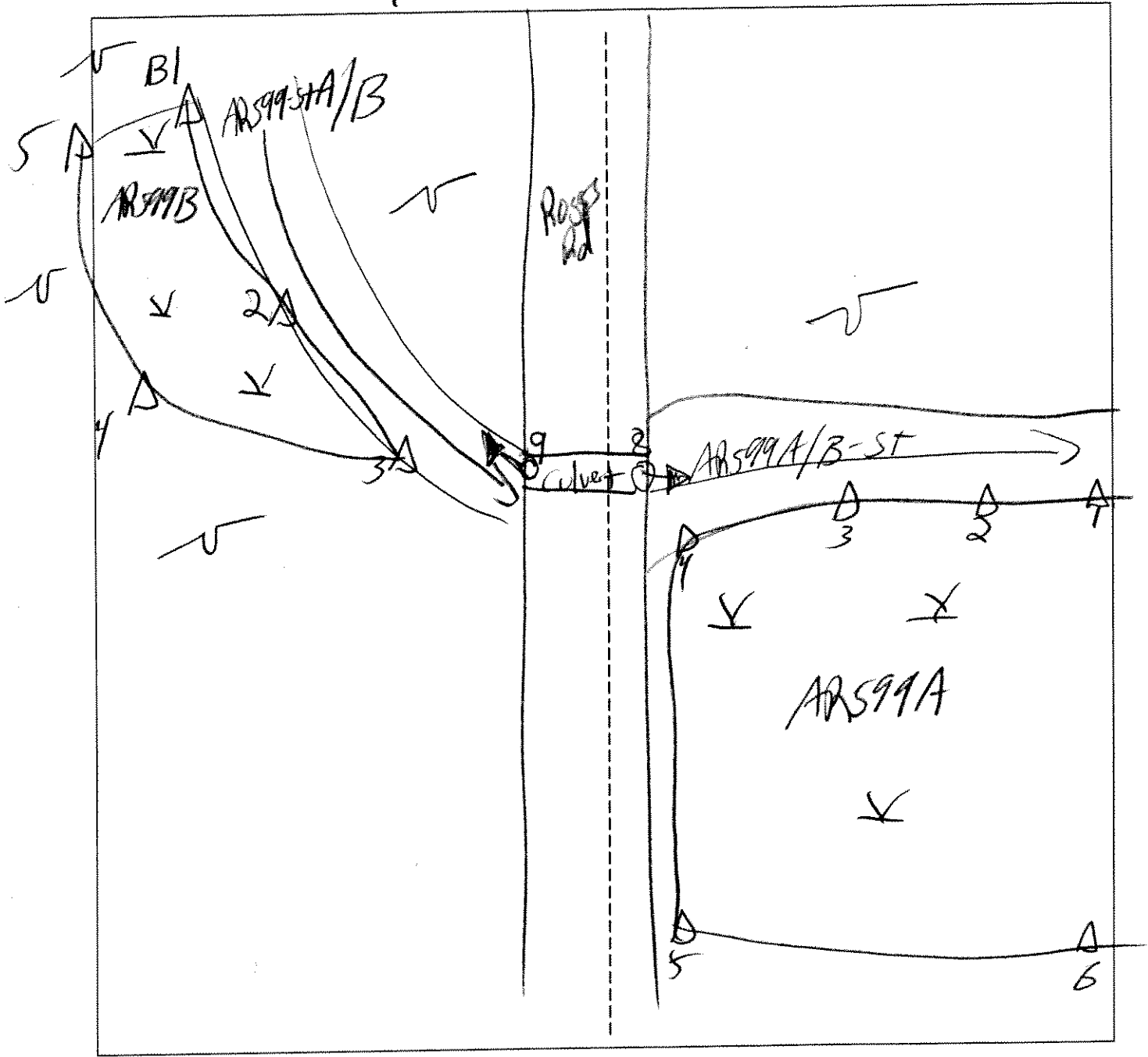
AR 604B - PSS                      pit # 11 looks W

- speckled Alder
- sphagnum
- Gray Birch
- Acer Rubrum
- sedge Sp
- Grass Sp
- Junco Effusus
- Meadow Sweet
- Rubus ground cover (wet kind)



SKETCH FORM

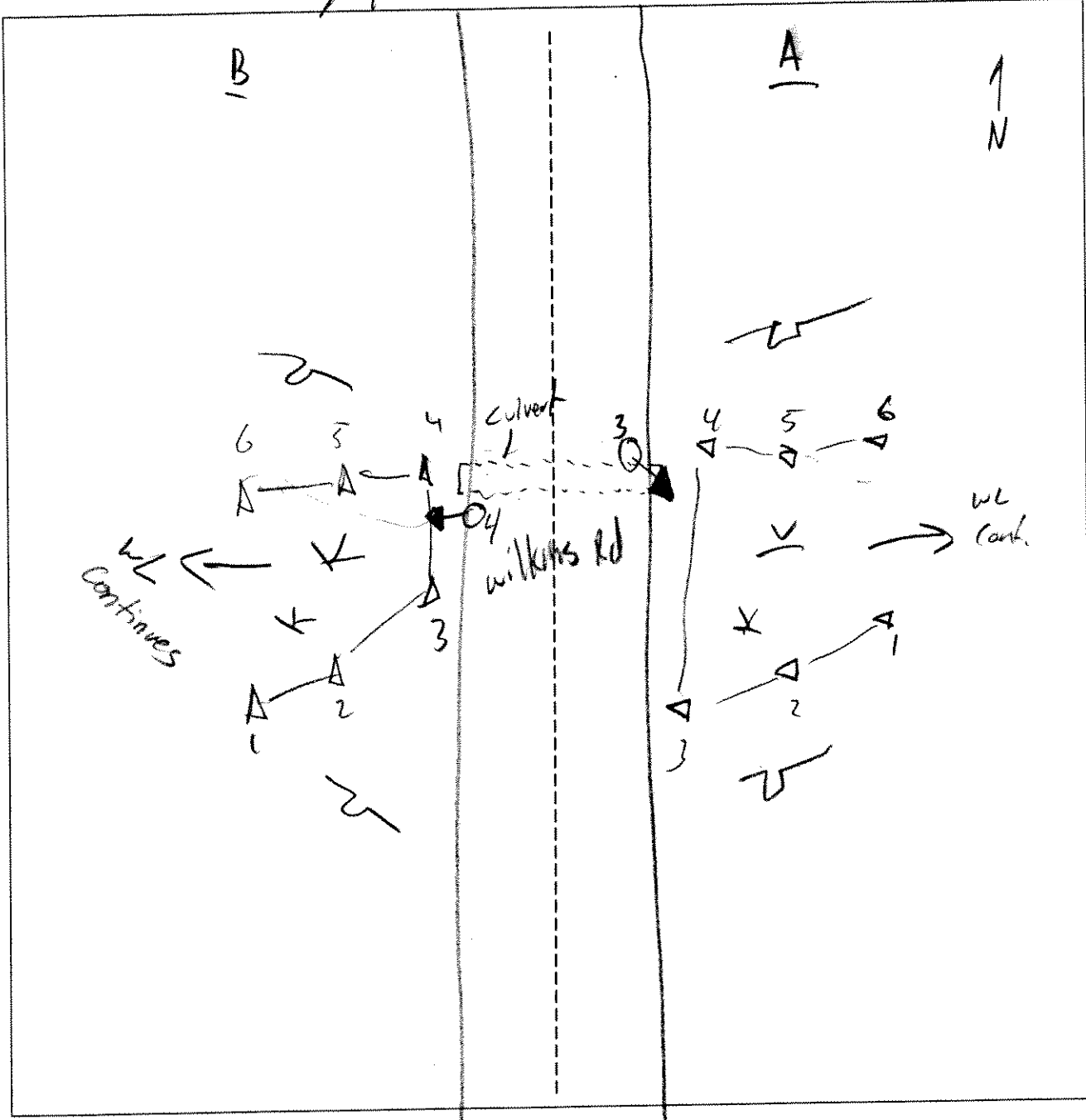
Wetland ID/Route #: AR599A/B	Date: 11/7/05	Time:
Initials of Delineators: KH, SH	Location: Rogers Rd	
Roll #: SH	Frames: 8 SE, 9 NW	



Legend			
○ ↗	Photo Location/Direction	∨	Wetland
▭	Sample Station	—	Upland
- - -	Centerline	—	Stream
▷	Flag	- . .	Intermittent Stream

SKETCH FORM

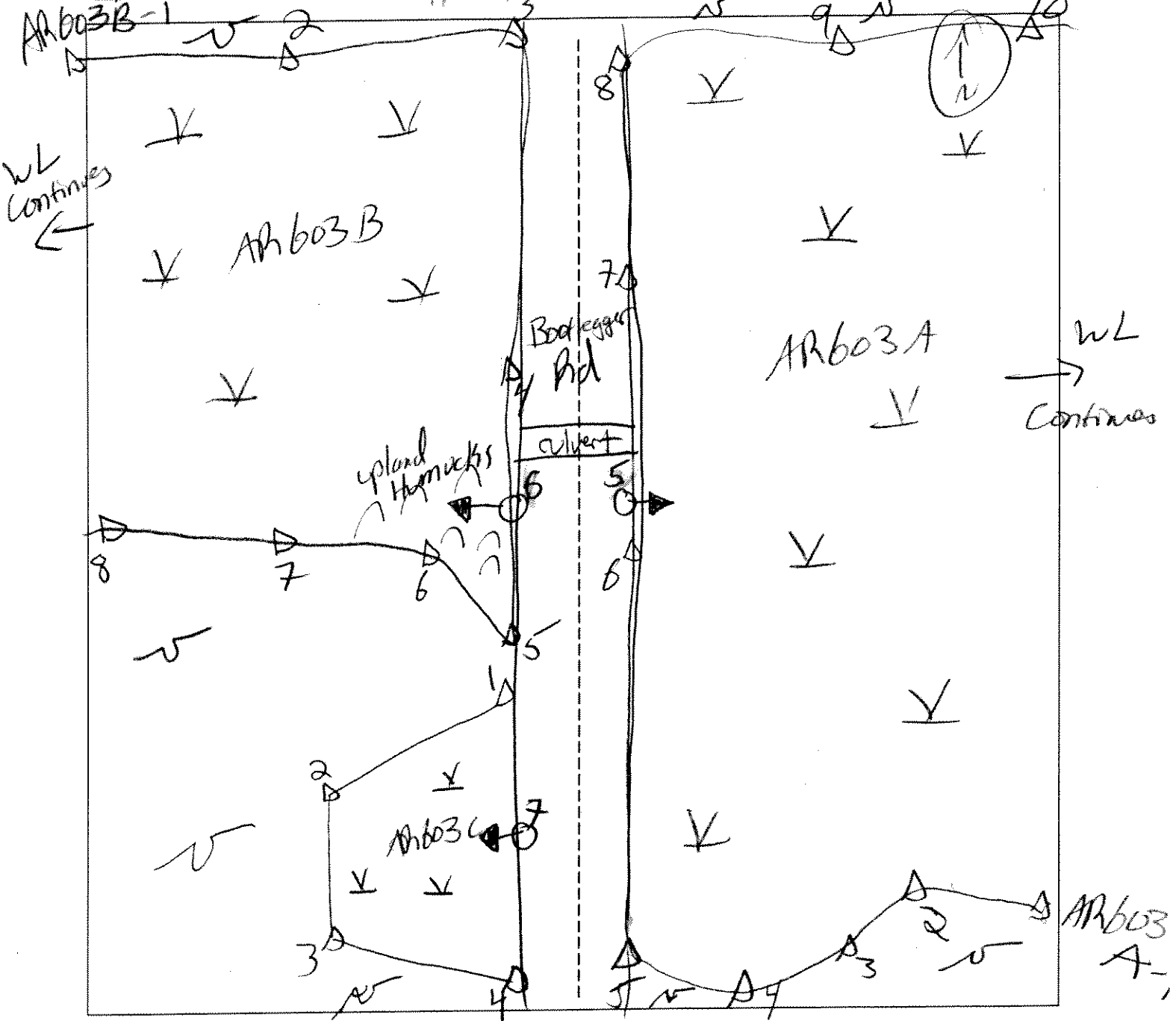
Wetland ID/Route #: AR-602-A/B	Date: 11-7-05	Time: 1050
Initials of Delineators: KSH / KA	Location: Wilkins Rd	
Roll #: KSH CAM	Frames: 3/4	



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

SKETCH FORM

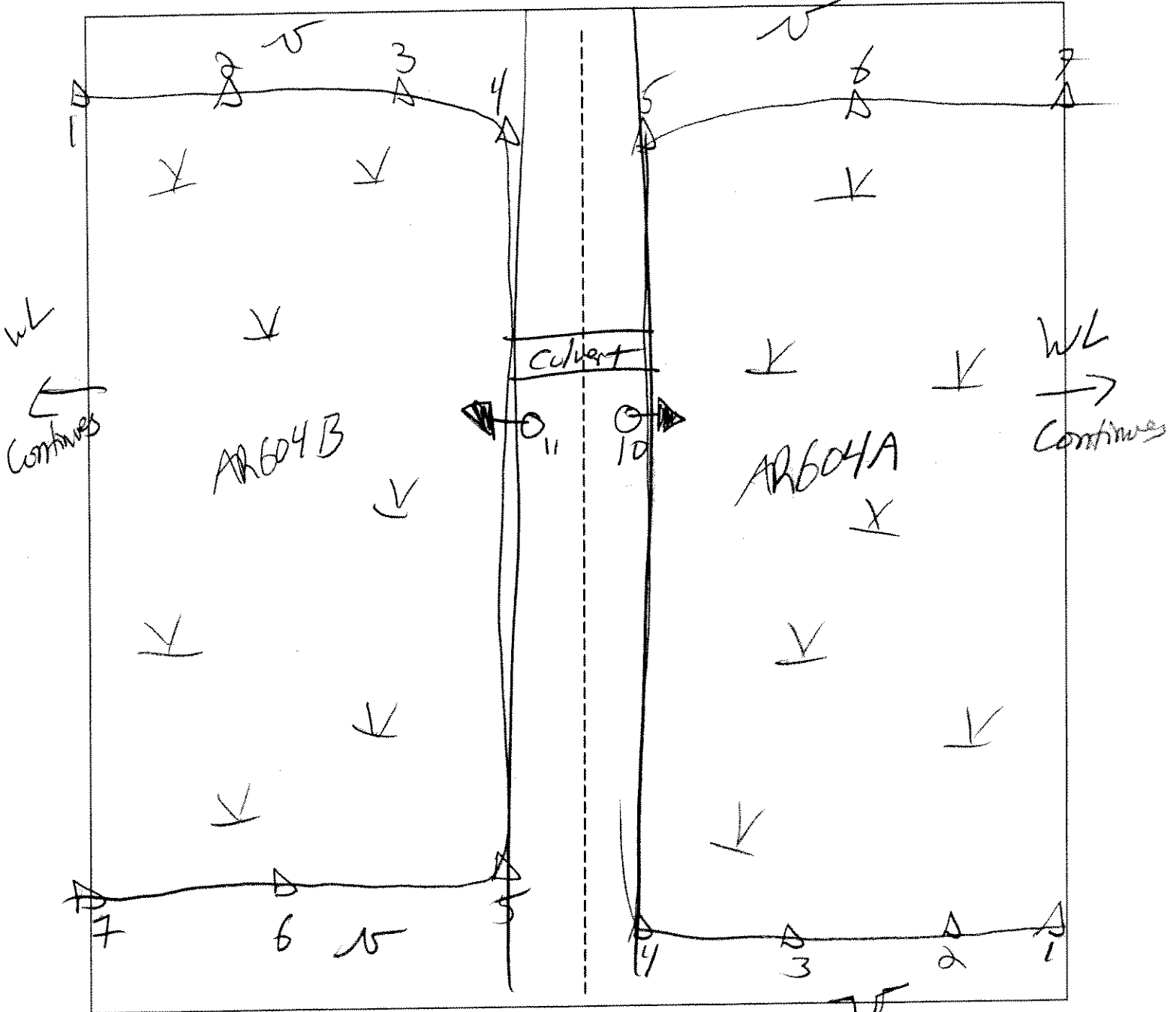
Wetland ID/Route #: <u>AR603 A/B/C</u>	Date: <u>11/7/05</u>	Time: <u>12:40</u>
Initials of Delineators: <u>BH, KSH</u>	Location: <u>Willkens Rd (Bootlegger Rd)</u>	
Roll #: <u>KSH's camera</u>	Frames: <u>5 (East) 6 (west) 7 (west)</u>	



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

SKETCH FORM

Wetland ID/Route #: AR 604 A/B	Date: 11/7/05	Time: 16:05
Initials of Delineators: SH, SH	Location: Rootlegger Rd	
Roll #: SH	Frames: 10(E) 11(W)	



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

AR 605 A/B

- scrub shrub / Forested  
 Red Maple (sapling)  
 Balsam poplar  
 Gray birch (sapling)

-inundated

Upland indicators

- Big tooth Aspen
- Broken Fern
- 104R 5/2 soil

- Alnus incana  
 V. corymbosum  
 Kalmia angustifolia  
 Viburnum cassinoides  
 Carex sp.  
 Cotton grass  
 Sphagnum  
 Partridge berry

AR 606 A/B

Fern / Wetland / Scrub

- G. biala (sapling) } edge  
 R. maple  
 spruce / fir

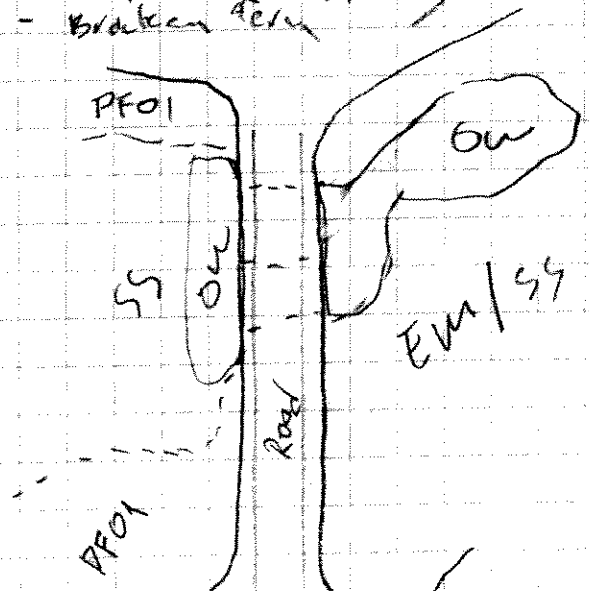
-inundated

Upland indicators (by B-13)

- Viburnum cassinoides  
 Kalmia angustifolia  
 Spirea latifolia  
 Spirea tomentosa  
 leather leaf

- No hydrology
- 104R 4/6
- aspen (logged)
- Broken Fern

- Glyceria sp.  
 Cotton grass  
 Sphagnum



AR 607 A/B

B side

- T] Big tooth aspen } Logged
- Balsam fir } (sapling)
- Red maple } ← dominant in A

- H] V. bimum cassinoides
- alder
- Spirea lat.
- sheeps laurel

- W] bunchberry (FAC-)
- brockm (FACU)

Carex sp  
Junus albus

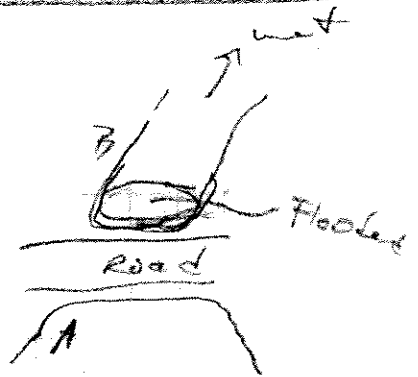
Hydrology

- Flooded/inundated

---

Upland Indicators

- hydrology drops out
- sphagnum drops out



AR 609 A/B

Scrub - Shrub

- I] red maple (sapling)
- g birch (sapling)

- S] speckled alder (dominant)
- Spirea latifolia
- Viburnum cassinoides
- Salix sp.

- W] need canopy grass?
- Sphagnum
- ribis, sp.

Hydrology

- Flooded
- Saturated to surface

---

Upland indicators

- topo
- sphagnum + hydrology drop out
- bunchberry (FAC-)
- big tooth aspen (logged out)
- brockm

AR 610 A/B

Shrub  
Scrib

I red maple (sapling)  
q. birch

Hydrology  
- inundated  
- sat. to surface

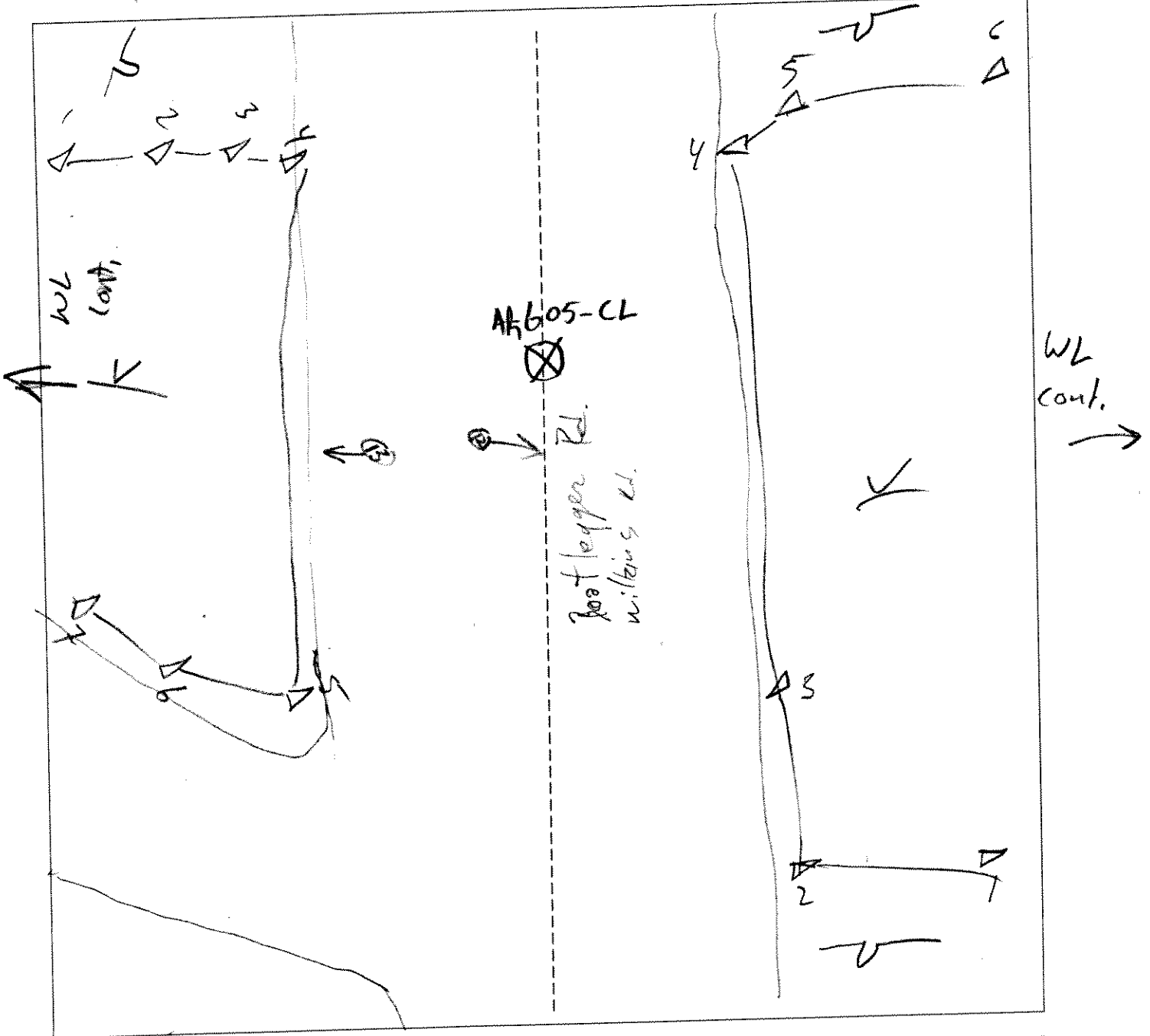
sh) speck. alder (down. A side)  
q. birch (down. B side)  
Salix sp.  
sheeps laurel  
balsam fir  
Viburnum cassinoides  
spirea

Upland indicators  
- NO hydrology  
- bunch berry  
- NO sphagnum  
- aspen dominant (logged out)  
- 10YR 4/6 soil by B10

H) carex sp.  
alder sp.  
Sphagnum  
unidentifiable grasses

SKETCH FORM

Wetland ID/Route #: <b>AK-605 A/B</b>	Date: <b>11-8-05</b> Time: <b>0900</b>
Initials of Delineators: <b>BQ / KSH</b>	Location:
Roll #: <b>KSH CAM</b> Frames: <b>12 + 13</b>	

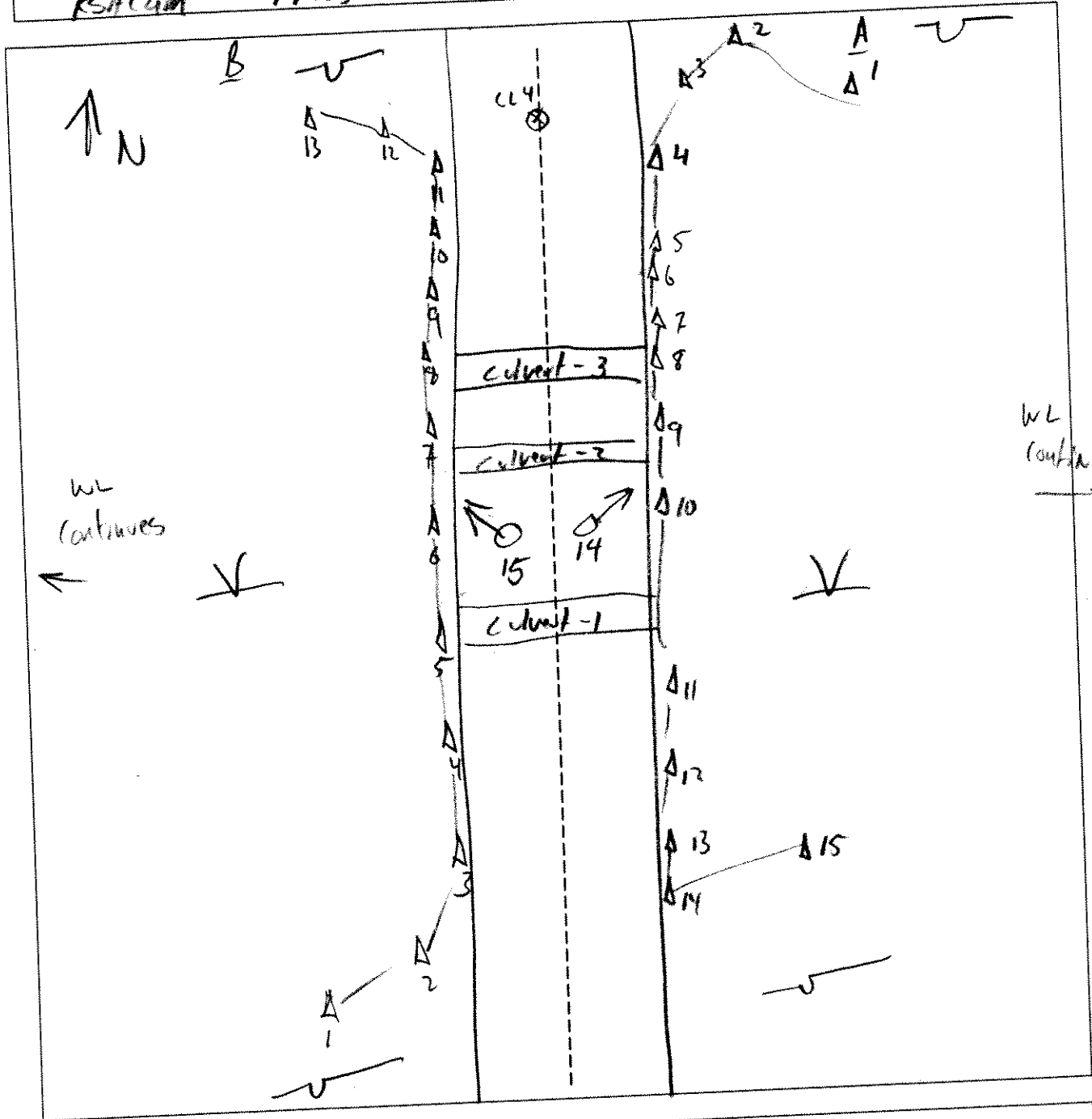


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: <b>AK-606 A/B</b>	Date: <b>11/8/05</b>	Time: <b>1050</b>
Initials of Delineators: <b>KSIF / BQ</b>	Location:	
Roll #: <b>KSIFcam</b>	Frames: <b>14-15</b>	

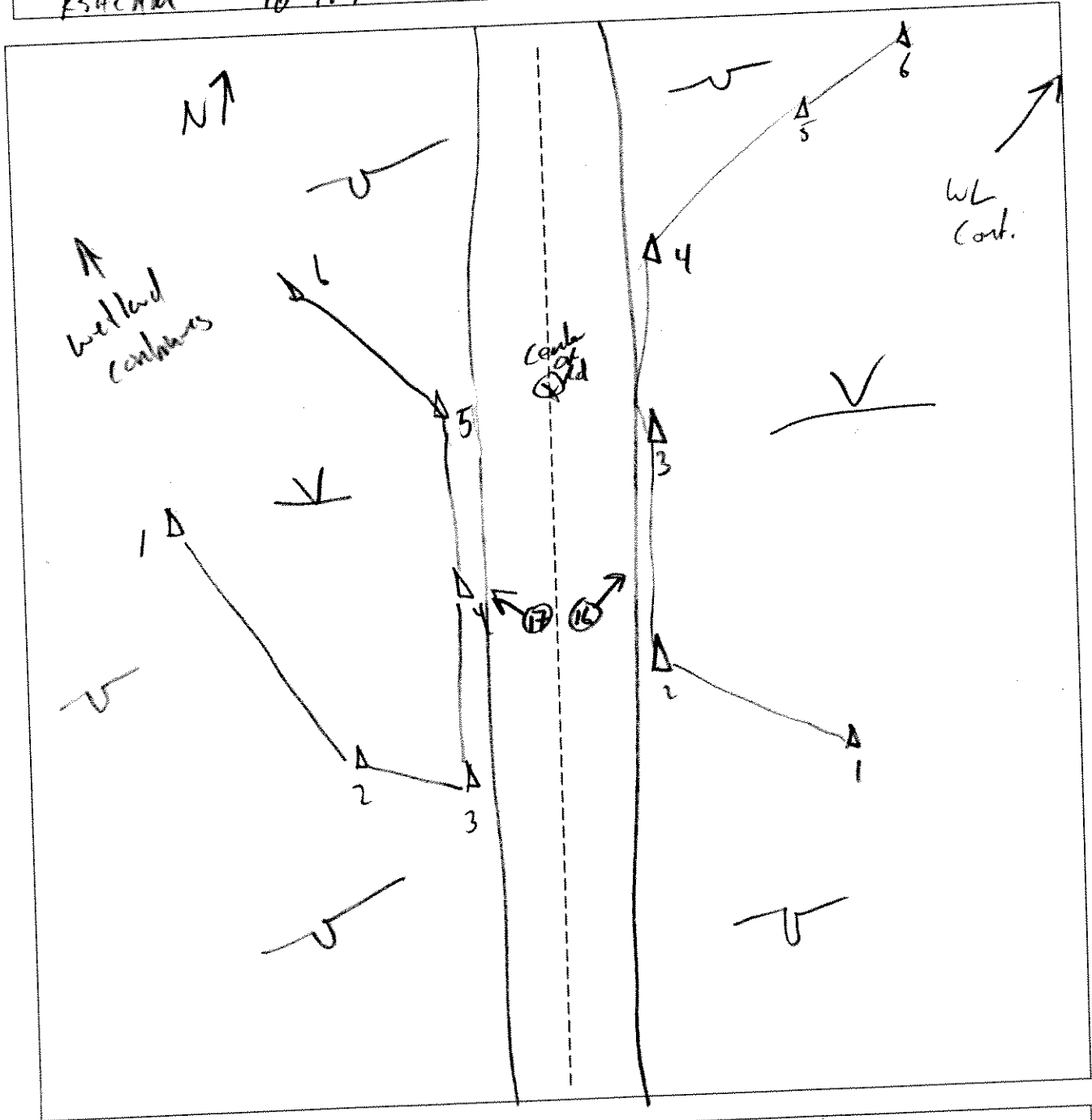


**Legend**

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

SKETCH FORM

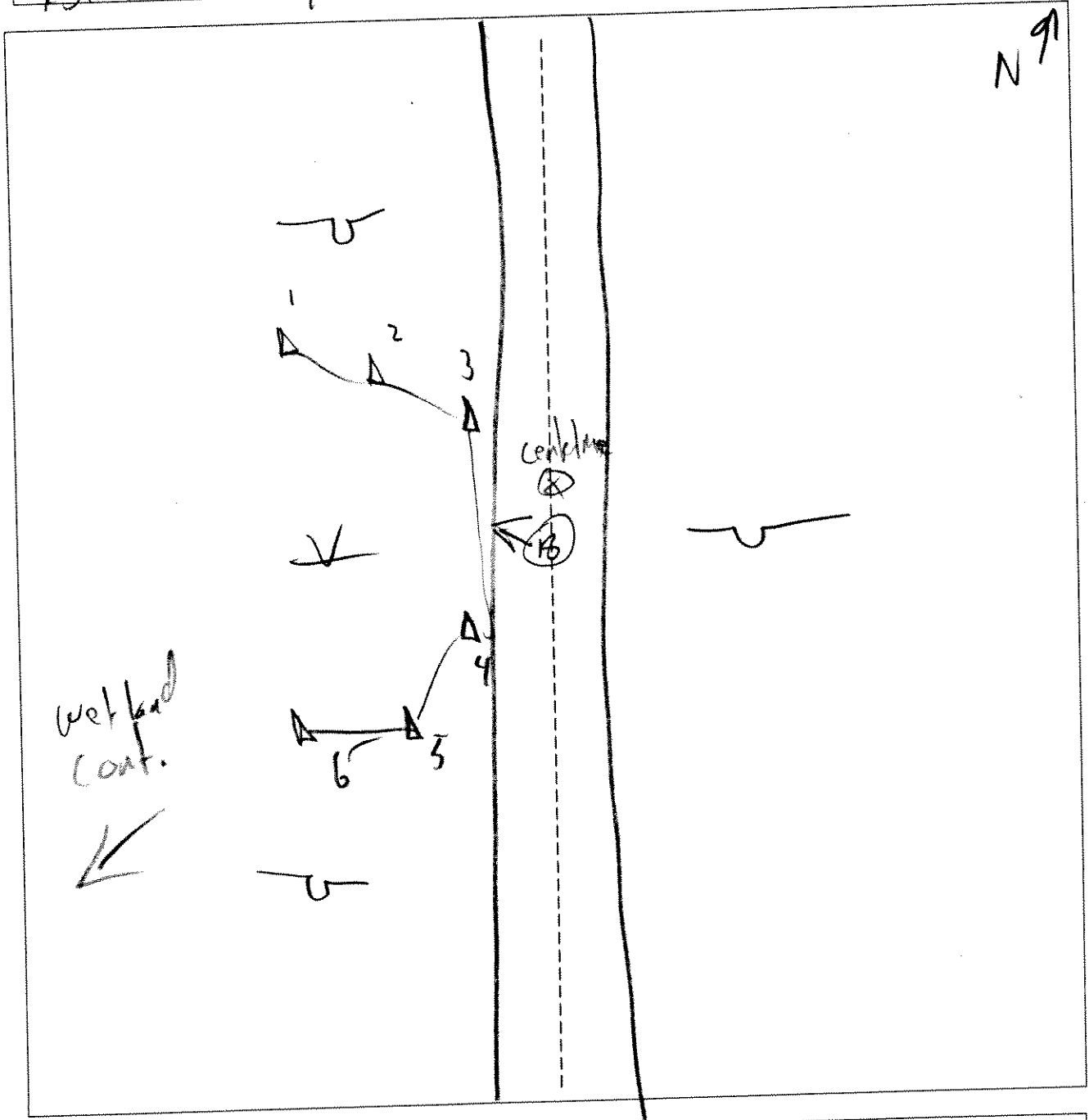
Wetland ID/Route #: AR-602-A/B	Date: 11/8/05	Time: 1145
Initials of Delineators: KSH/BQ	Location:	
Roll #: KSHCAM	Frames: 16 117	



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

SKETCH FORM

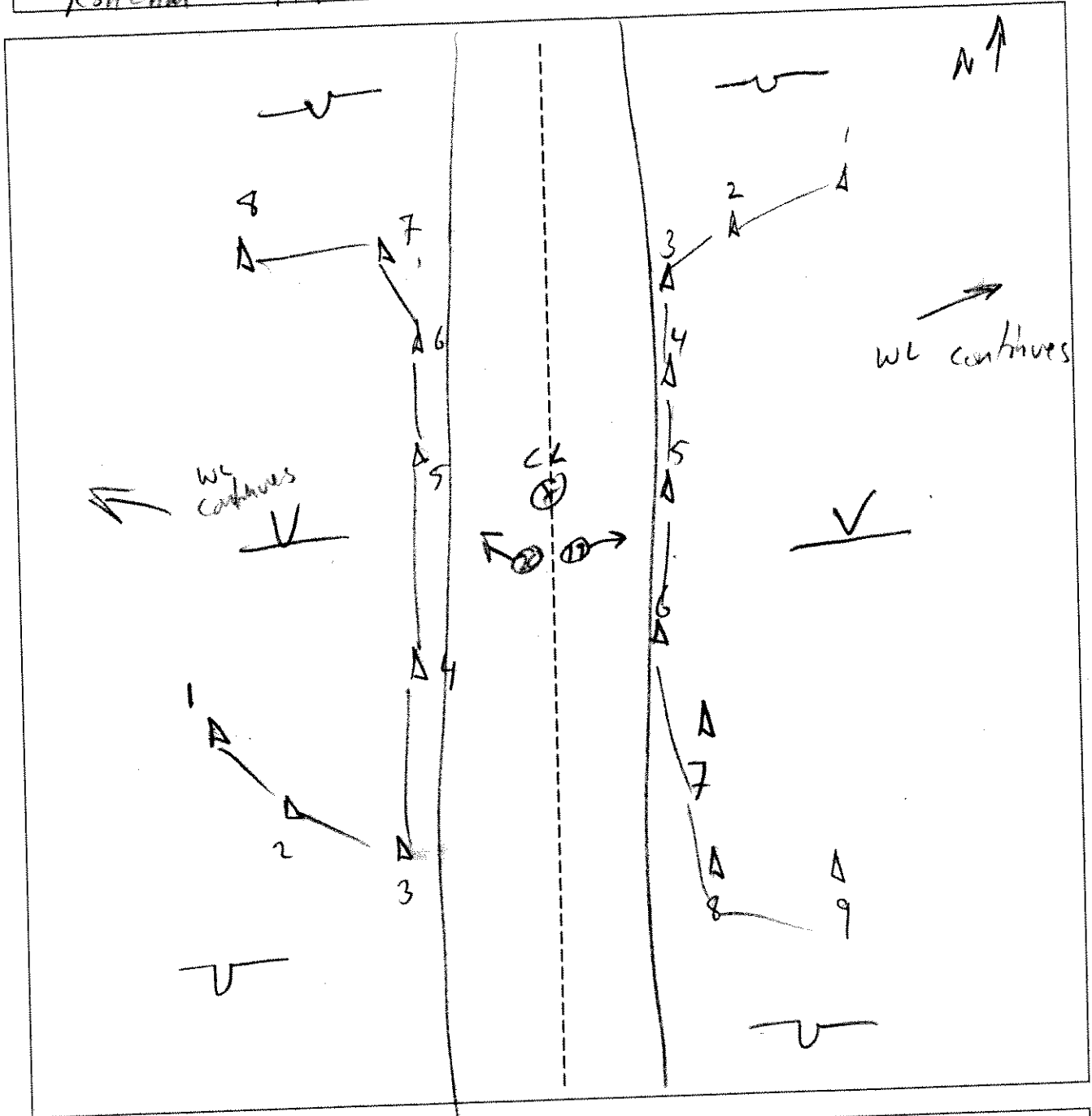
Wetland ID/Route #: <b>AK-608-A</b>	Date: <b>11/4/05</b>	Time: <b>1210</b>
Initials of Delineators: <b>KS/K / BQ</b>	Location:	
Roll #: <b>KS/K Cam</b>	Frames: <b>14</b>	



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

SKETCH FORM

Wetland ID/Route #: AR-609-A/B	Date: 11.8.05	Time: 1405
Initials of Delineators: KSH/BO	Location:	
Roll #: KSHCAM	Frames: 19+20	



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

BY \_\_\_\_\_ DATE \_\_\_\_\_ PROJECT \_\_\_\_\_  
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
PROJ. NO. \_\_\_\_\_

AR-610-A/B

11.8.05

1455

KSH / BQ

KSHCAM 21+22

B

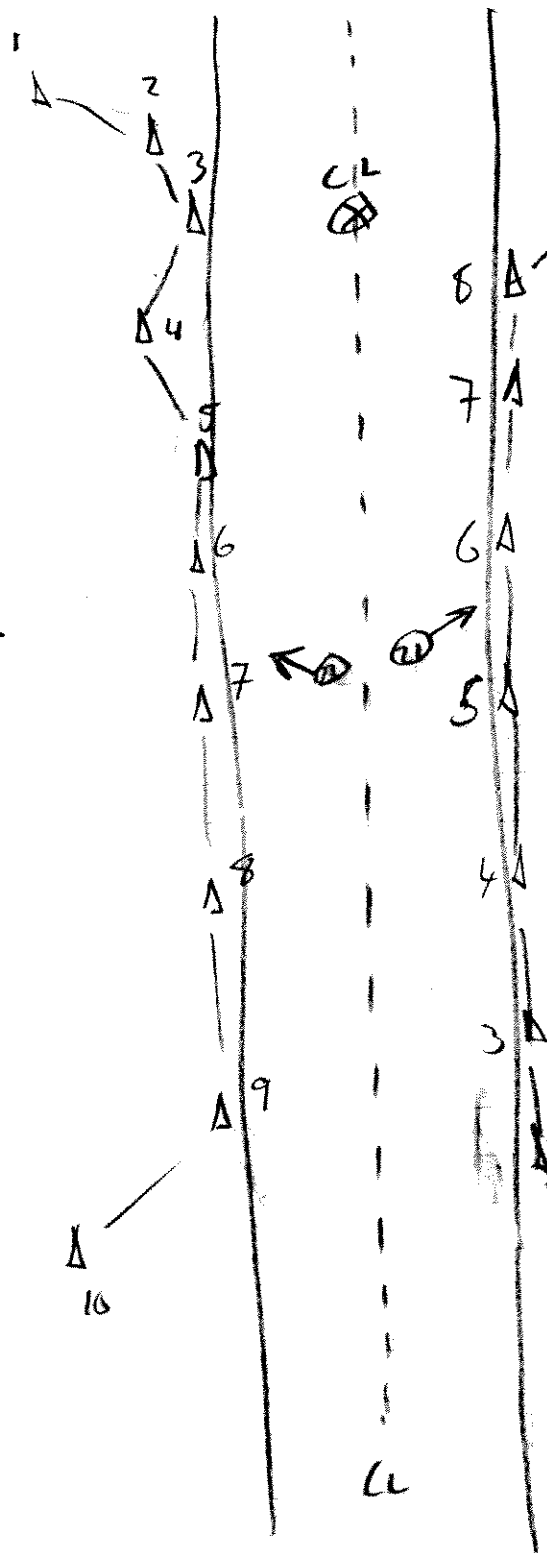
A ↑  
N

wetland  
continues

wetland  
continues

←  
V

V



Clinton, NY - Team A BO/SH - 11/9/05

AR GII A/B/C/D forested/scrub

F Red maple  
gray birch

Sh Viburnum cassinoides  
Salix sp.  
Spirea latifolia  
Alnus rugosa

H Conex sp.  
glyceria sp.  
Sphagnum

Hydrology  
- inundated  
- soil surface  
- drainage patterns (upper A line)

upland indicators  
- topo  
- soils  
- Cherry + aspen (A line)

B1 -> B8: Red Maple Forest  
Some aspen but soils  
2.5t s/l with sodor @ 6"  
not logged, deluv by  
topo + 10% 1/6 soil

D Line

I Red maple  
birch  
Sh Corylus americana  
Viburnum acerifolium

H Sphagnum  
grasses

D Line

- surface saturation  
- water stored leaves  
- redox in Bhs  
- flows into C

Logged

C-15

Scrub

A-17

A1

ditch + berm

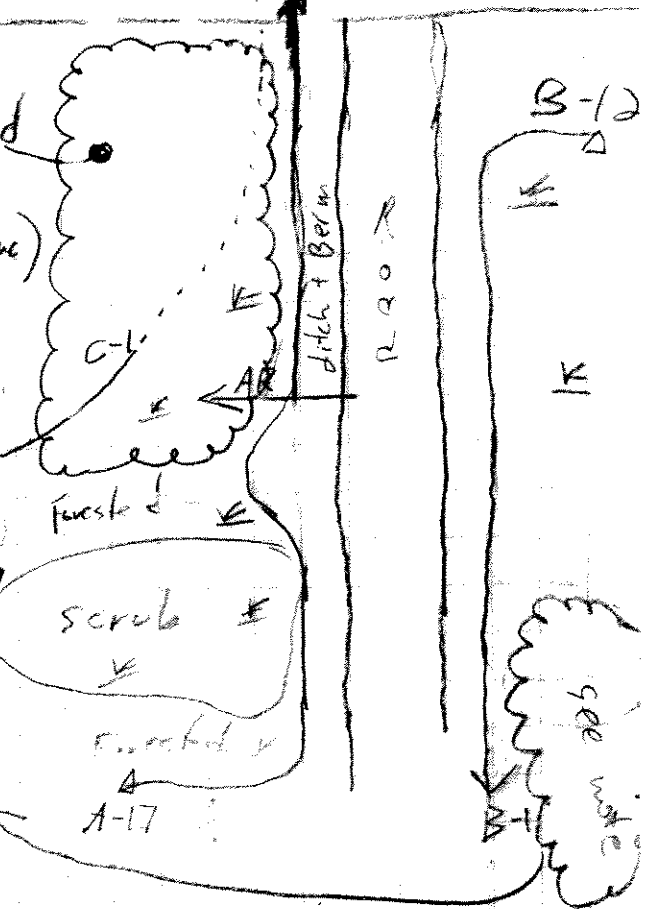
RAO

B-12

K

side water

B-11



AR 612 A/B

Forested

T Red maple  
gray birch (sophory)

Hydrology

- inundation
- saturation
- stained leaves
- drainage patterns

Notes

- area recently logged and heavily disturbed

SH Salix sp.  
Viburnum nudum  
Corylus americana  
Spiraea latifolia

Upland indicators

- no sphagnum
- no hydrology
- more aspen

- similar to AR 611 D, water flows down hill into AR-611-C

H Sphagnum  
Cin. Ann.  
Coryx sp.  
glosses

- old field = 12" Ap over 104R s/l with redox

AR 613 A/B/C

forested connected to large scrub with open water portion

T Red maple  
gray birch

Hydrology

- inundation
- saturation
- drainage patterns

Notes

- this area actively logged and very disturbed

H Sphagnum  
Lycopodium clavatum  
L. lucidulum

BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. 1 OF \_\_\_\_\_

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

11-9-05

AR-611 A/B/AA

KSH/BQ  
KSH/CAM

WUL CONT. APPROX

B

23

Wilkins Rd

A



V

V

V

CONCRETE

24

V

V

V

V

8

V

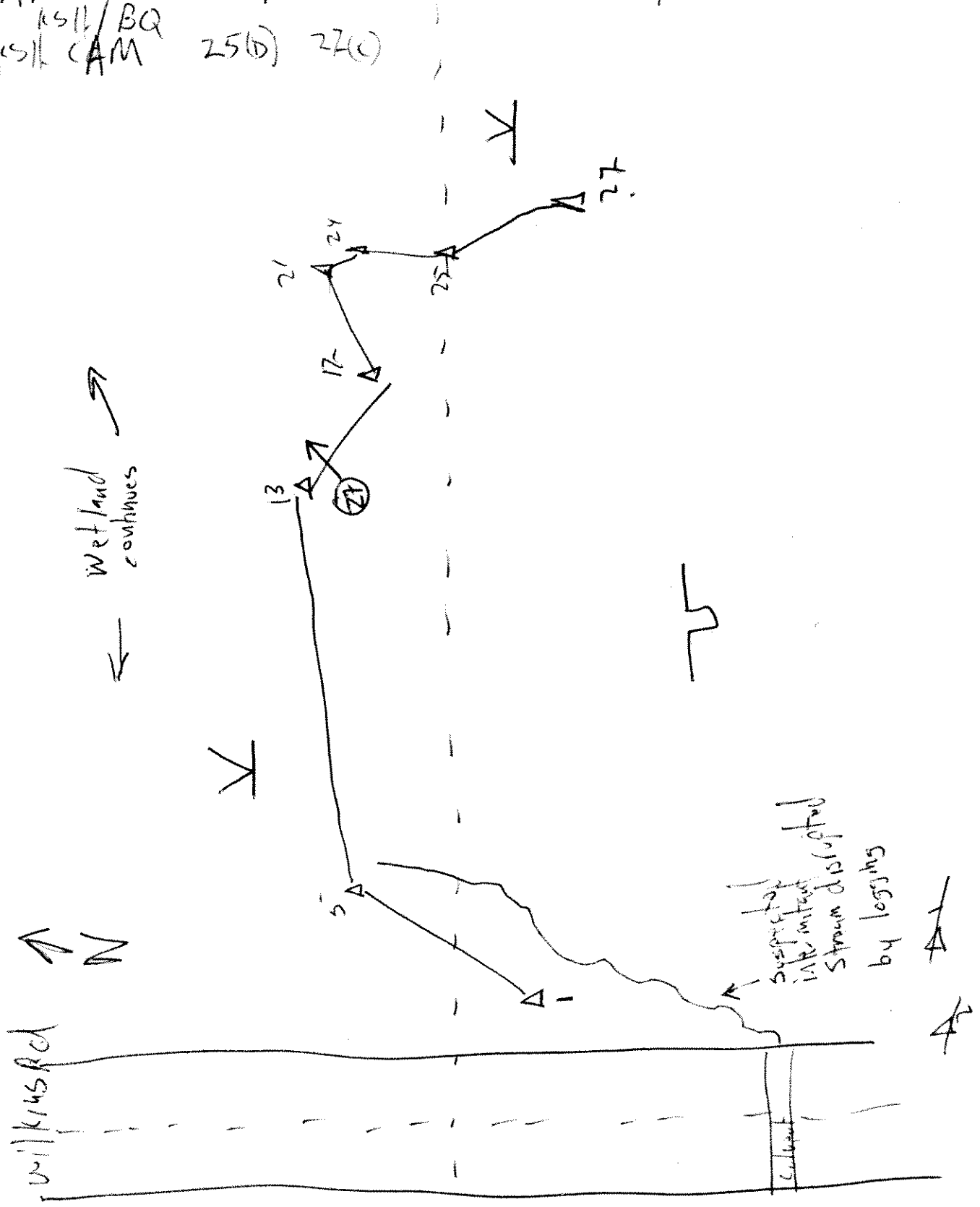
V

V



AR-611 C/D/~~X~~  
 KSI/BQ  
 KSI/CAM 25(b) 27(c)

11/9/05



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

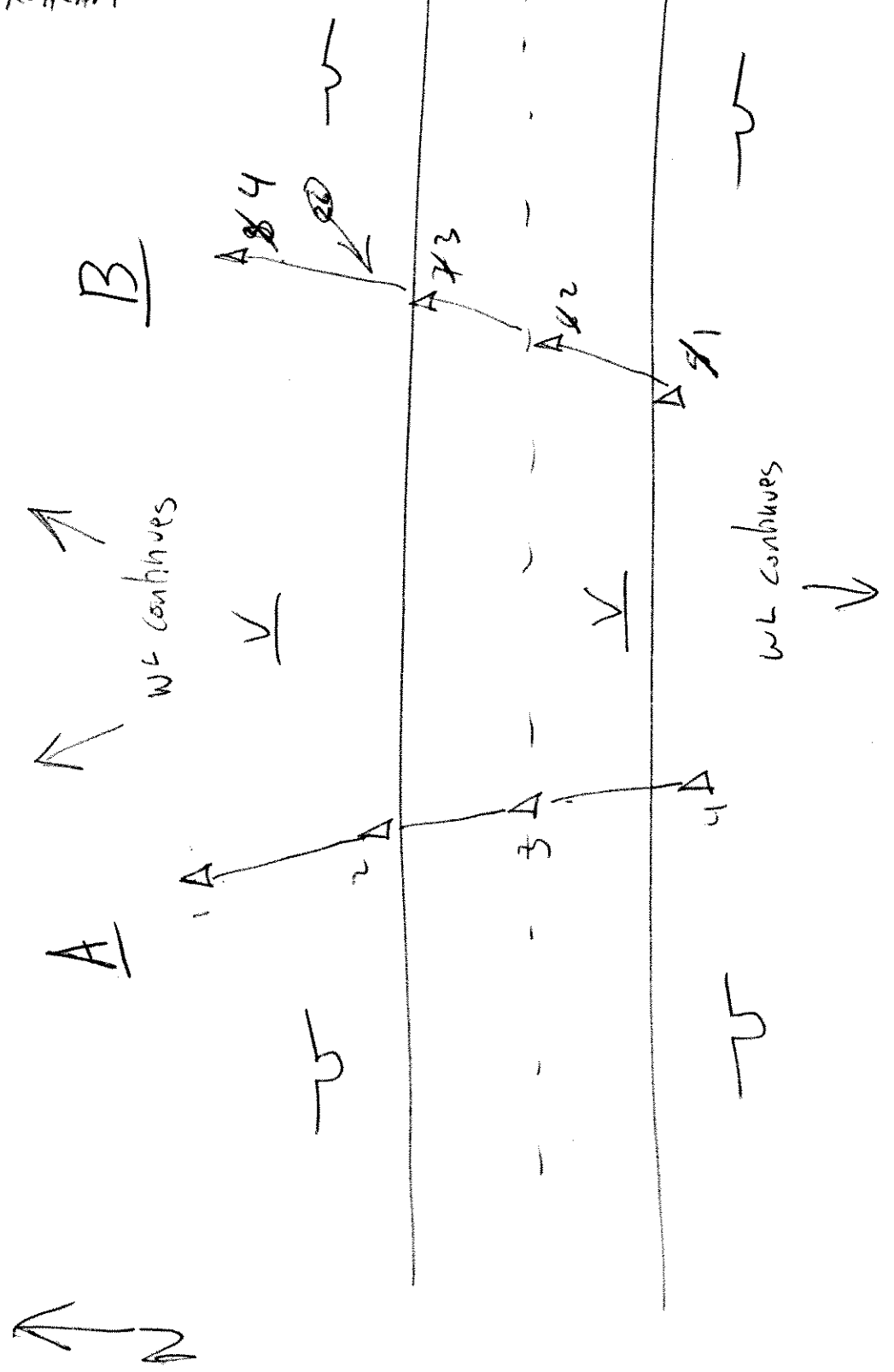
PROJ. NO. \_\_\_\_\_

AR-612 A/B

KSH/BQ

KSHCAM 26

11/9/05 1130



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. 1 OF 2

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

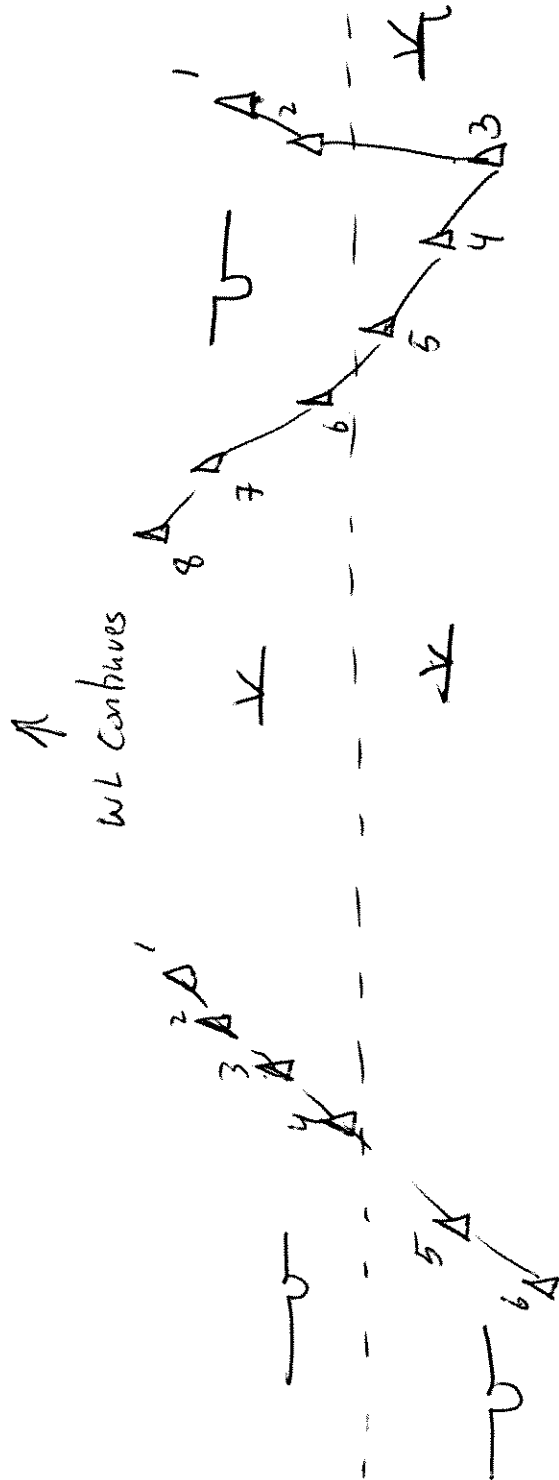
PROJ. NO. \_\_\_\_\_

AR-613  
KSIF/BQ  
KSHCAM 28

11/9/05 1600

A

B



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. 2 OF 2

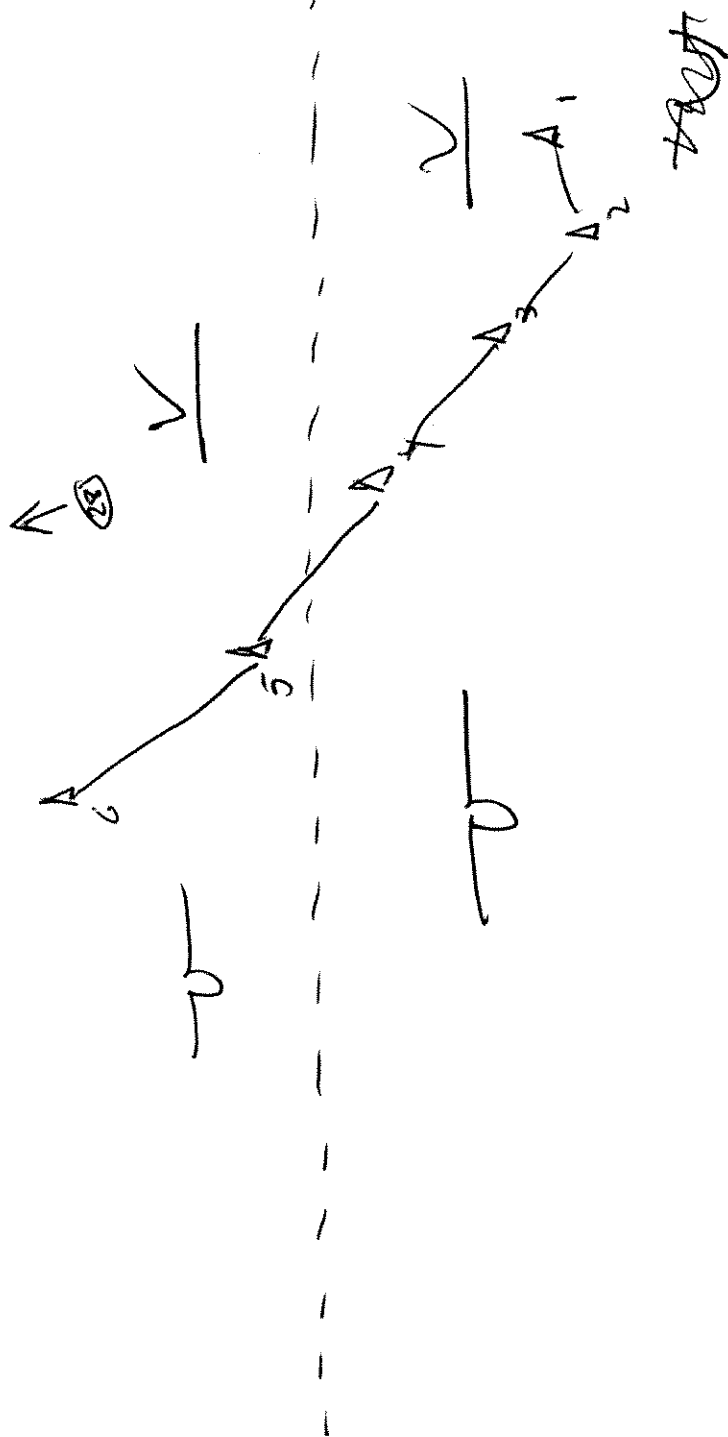
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR-613  
KSIT/BG  
KSIT CAM 28

11/9/05  
1630

↑ WL continues



← 2

Clinton NY - Team A BA/SK - 10/10/05 - Page 1 of 3

AR 613 C

- Moved C1 line, new C1 → C6  
 - Area heavily disturbed  
 - based on tree dominance of Beech  
 - lack of Sphagnum

AR 614 A Forested ISOLATED + logged

- |  |                                 |
|--|---------------------------------|
| I] Red maple<br>yellow birch<br>s. birch | <u>Hydrology</u><br>inundated   |
| sh] white hazel                          | <u>Upland indicators</u>        |
| H] sphagnum<br>running clubmoss          | - no hydro<br>- beech dominance |

AR 615 A/B Forested / scrub (Part is in WTG 120 Buffer)

- |   |  |
|---|--|
| I] Red Maple<br>gray birch  | <u>Hydrology</u><br>- flooded<br>- saturated   |
| sh] Salix sp.<br>Viburnum cassinoides<br>Spirea latifolia<br>gray birch | <u>Upland indicators</u><br>- aspen<br>- beech |
| H] sphagnum<br>Carex sp<br>iced-canary grass                            | - no sphagnum<br>- good topo A line            |

Clinton NY - Team A, BQ/SH - 11/10/05 Page 2 of 3

AR 616 A/B Forested / logged - Recan by WTG 121

I) Red maple

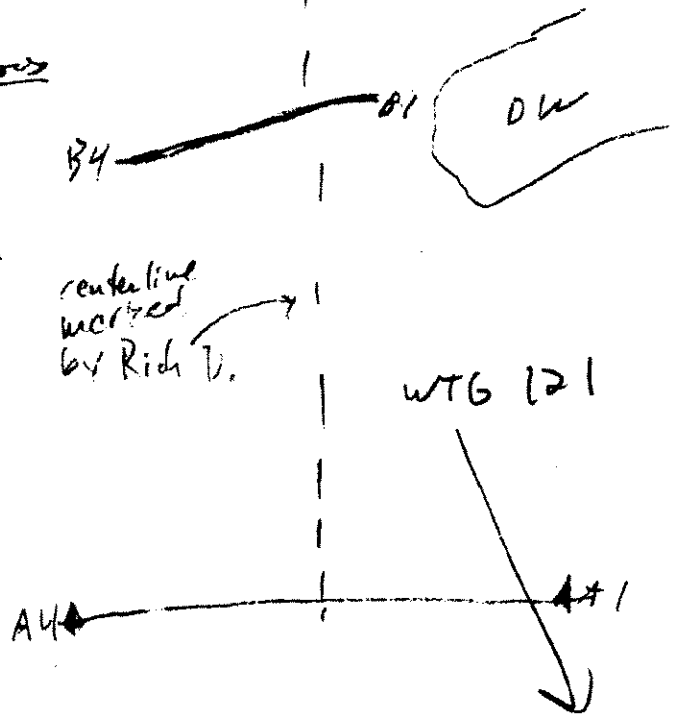
shy viburnum coccinoides

h) sphagnum  
coax sp.  
grass  
Sph. dog s sp.  
aster sp.

Hydrology  
- saturated  
- flooded

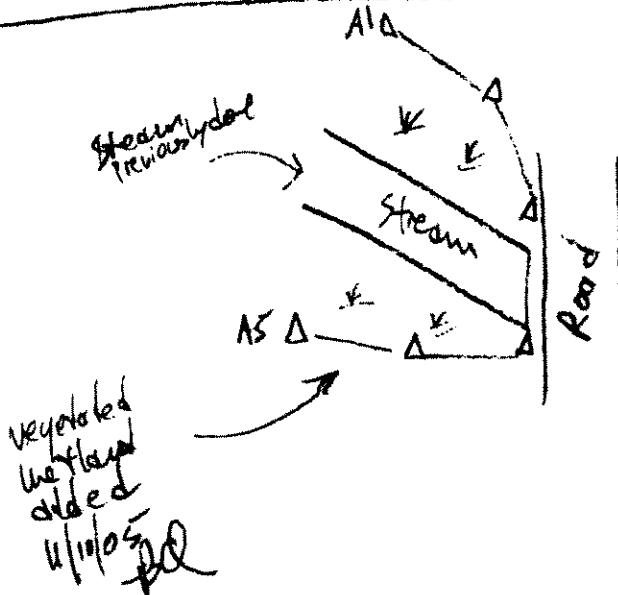
Upland indicators  
- aspen  
- birch  
- brooklime  
- no sphagnum

Note: area nearly clear-cut



AR 599 A field next to stream 599

h) Joe-pye-weed  
arrow leaved teas thumb  
reed canopy grass



Clinton, NY - Team A, BQ/SH - 11/10/05

Page 3 of 3

AR 617 A

Maintained field, Isolated except for ditch

SH Galix SP  
Sprea latifolia

Hydrology  
- saturated surface  
- ponded

Ap 0-10 2.5% 3/5 with delay  
Bw 10-15 2.5% sp with  
+ high chrome  
redox

H Scirpus cyperinus  
Suncus oleraceus  
Carex sp.

Upland indicators  
- timothy  
- blackberry  
- hydrology drops out  
- 104R 3/4 → 4/4

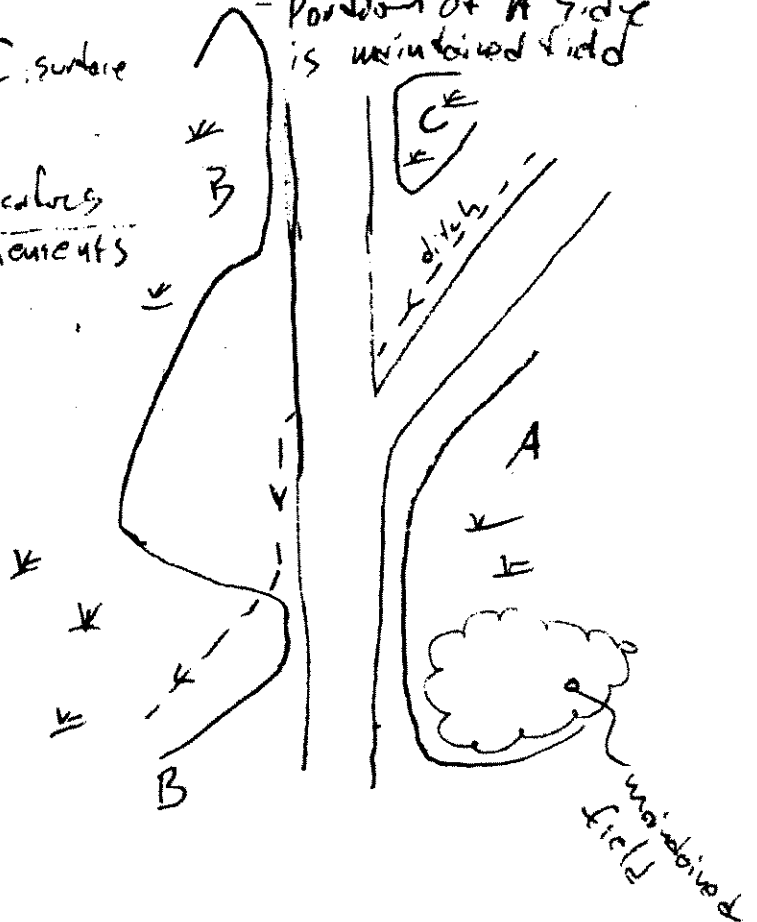
AR 618 A/B/C scrub/forested

SH Galix SP  
Carex globularis  
Carex lot.

Hydrology  
- saturated surface

Upland indicators  
- rubus allegheniensis  
- soil

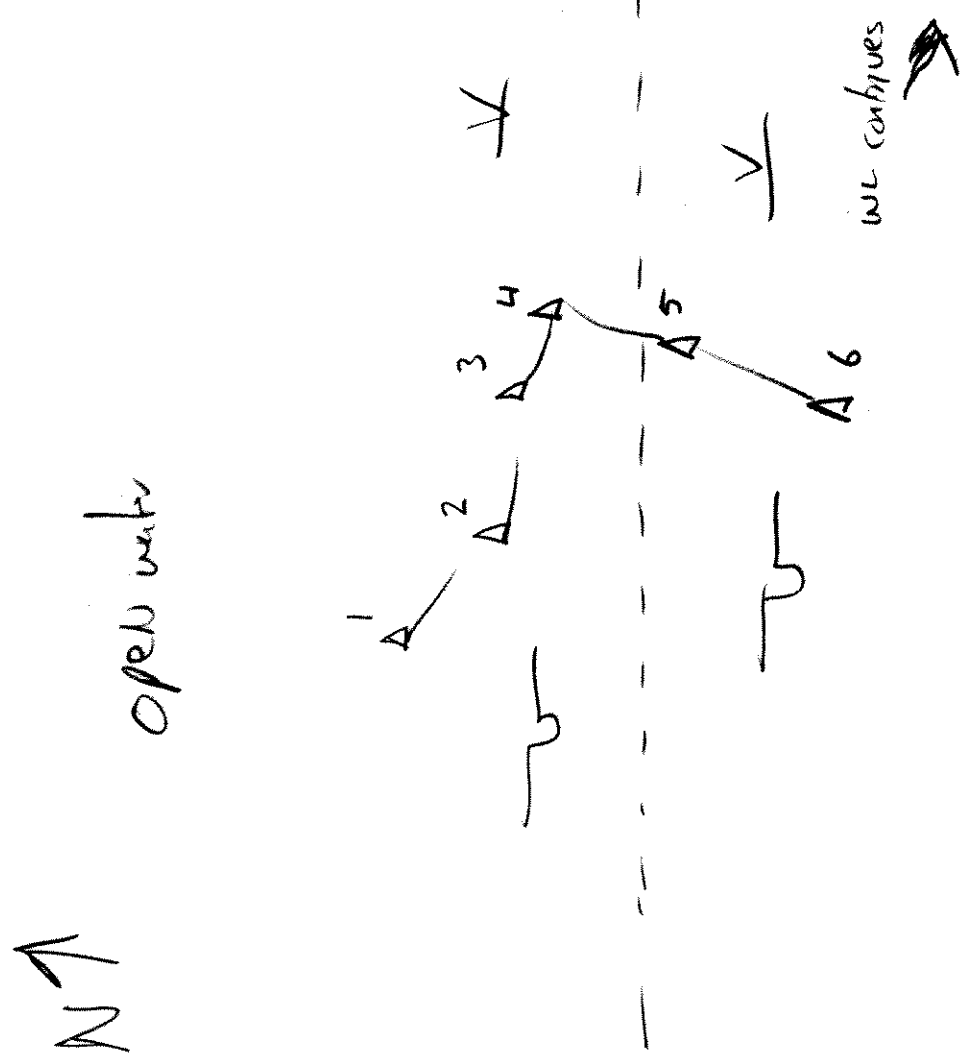
- Portion of A side is maintained field



H Red canopy grass  
Vt grassed  
Suncus oleraceus

AR - 613C  
KSH/BQ  
KSH/CAM

(Resurvey - replaced file from 11/09/05) 11/10/05  
use photos from 11/9/05





BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

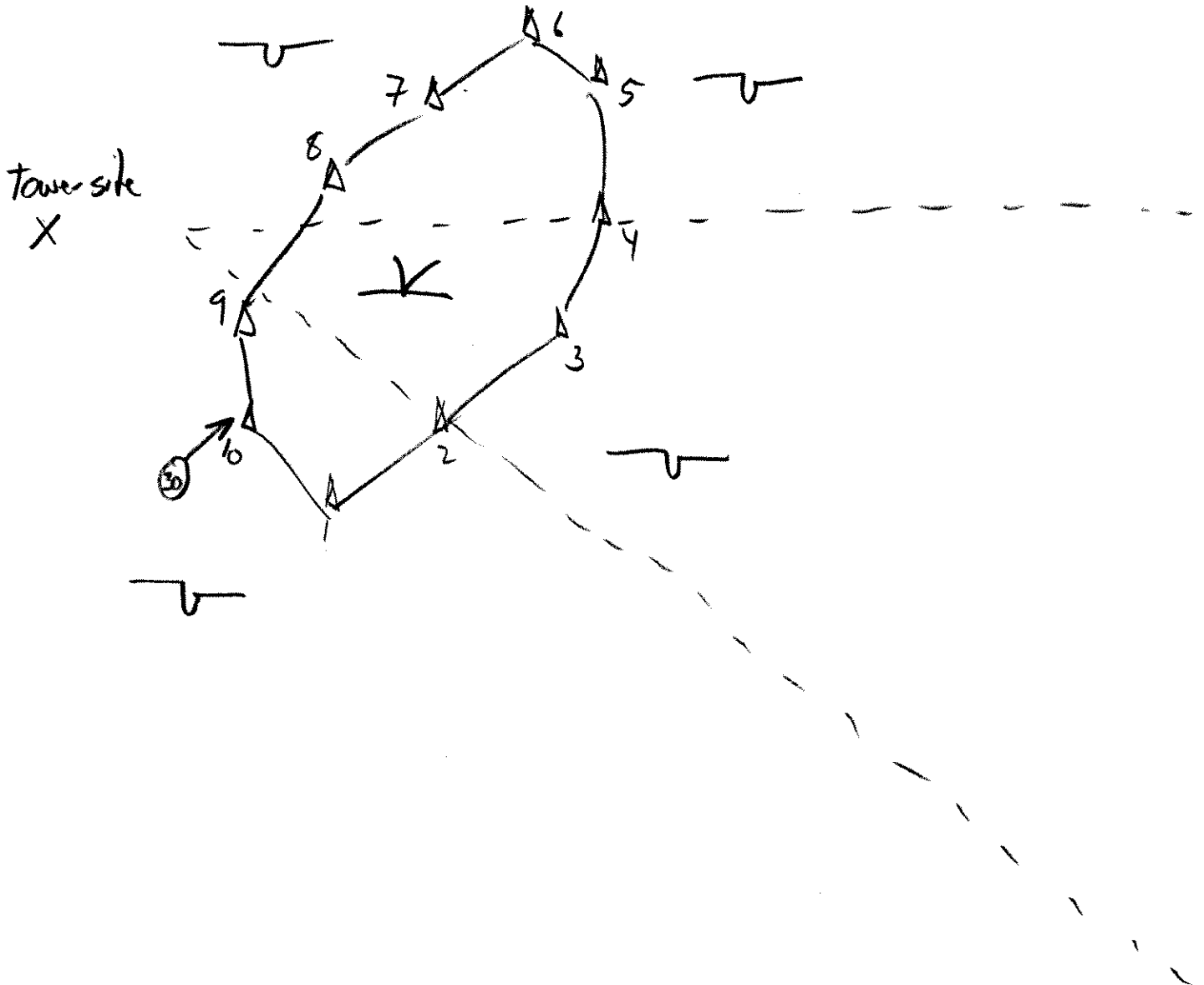
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR-614A  
KSA/BQ  
KSIT CAM 30

11/10/05



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR-615 A/B

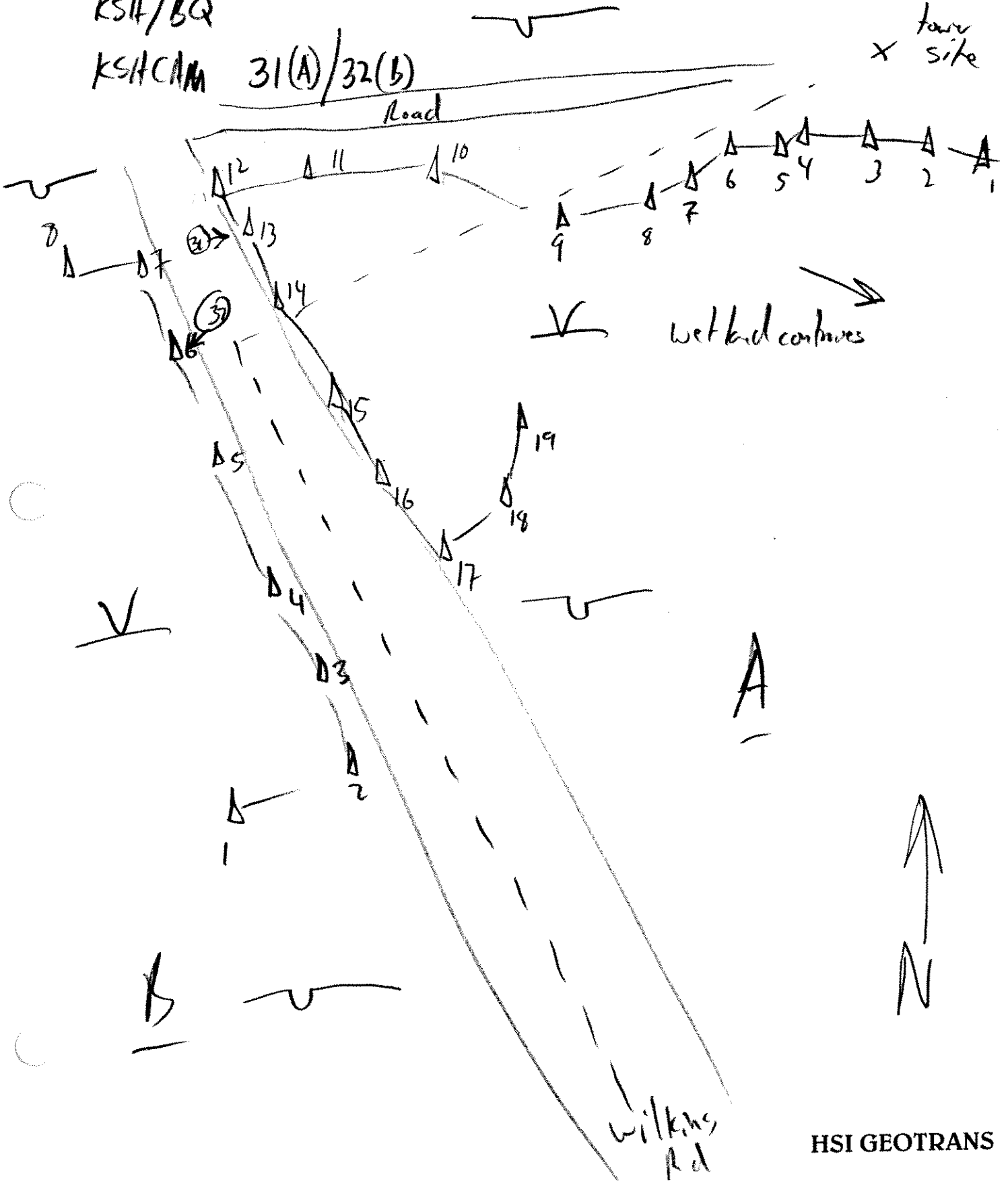
KSII/BQ

KSII/CAM 31(A)/32(B)

11/10/05

x <sup>fair</sup> site

road



wet bed continues

Wilkins Rd



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. 1 OF 1

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

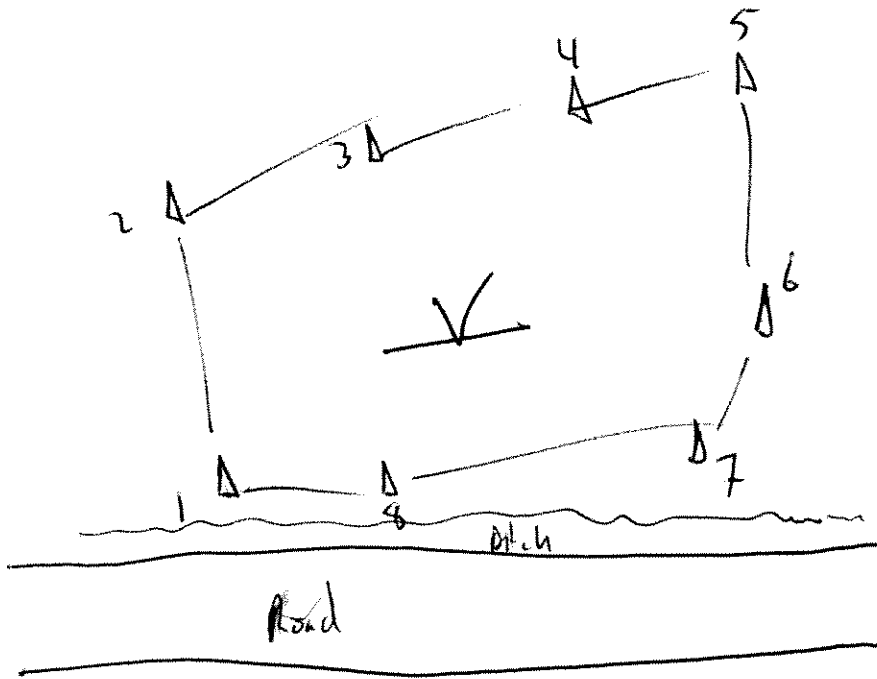
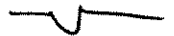
AA-617A  
KSH/BQ  
KSHCAM 35

11/10/05 1450

Field



Field

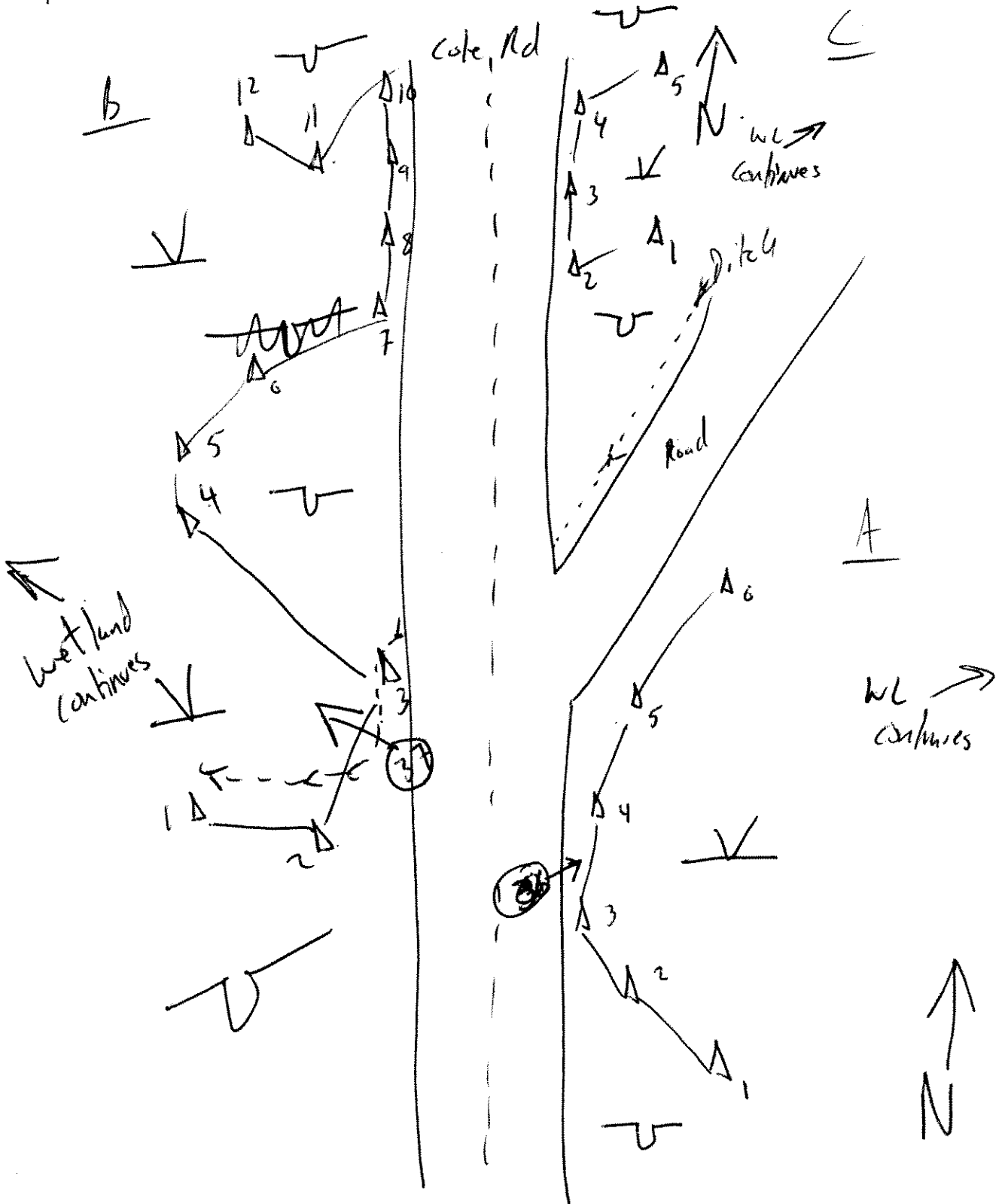


Rock wall



AR 618 A/B/C  
KSH/BCQ  
KSHCAM 36(A) + 37(B)

11/10/05 1530



AR 619 A/B Scrub Shrub

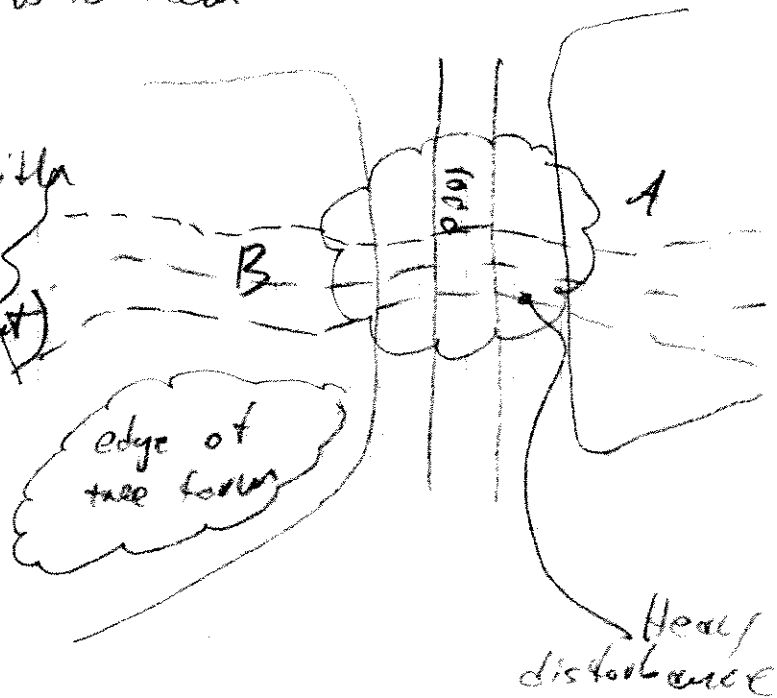
i) q. bicolor  
red maple

Hydro  
- Flooded  
- associated with stream

sl) *Aster nyctic*  
*Spirea latifolia*  
*Solidago* sp.

ii) Carex sp.  
reed cutting grass

stream with  
no defined  
channel  
(marsh / emergent)



AR 620 A/B/C Forested

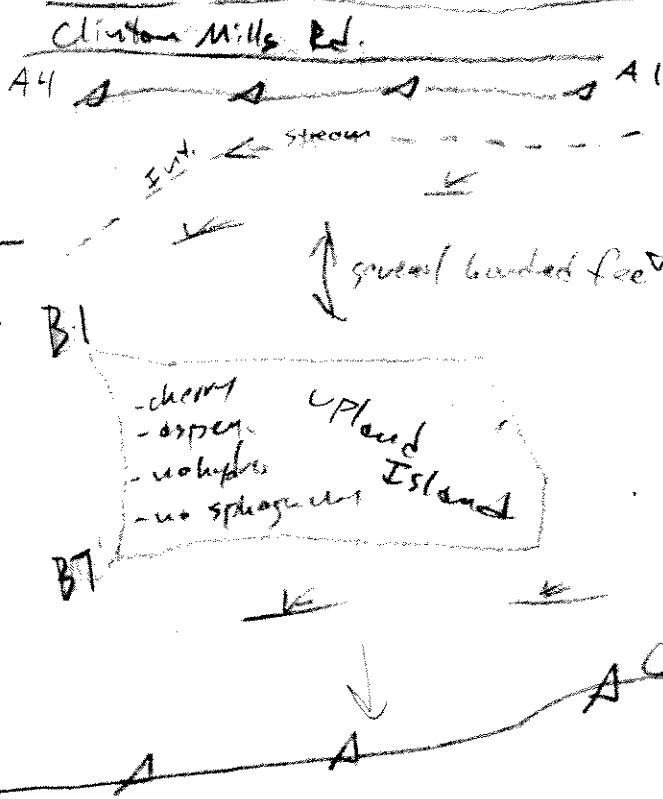
i) red maple  
gray birch  
black gum

Hydrology  
- Saturated  
- Pooled

ii) Highbush Cranberry (by road)  
Viburnum cassinoides  
elderberry (by road)  
highbush blueberry (by road)

Upland Indicators  
- no sphagnum  
- Aspen more dominant  
- bracken fern More dominant  
- cherry

iii) Cirsium  
Sphagnum  
running clover  
Carex sp.



AR 621 A/B/C open water + forest/disturbed

- A line: mostly open water
- B line: impounded but used to be much higher water

I] aspen (dead from impound)

- C Line: forested leading into very large scrub/emergent

I] Aspen

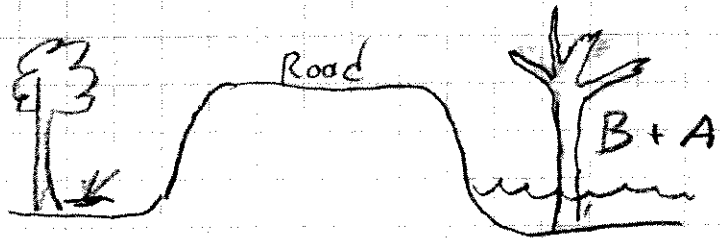
Red maple  
gray birch

sh] Alnus incana

Rhamnus frangula

Hydrology

- Extracted
- Ponded



- sh] Reed canary grass
- Sphagnum
- Cinnamon fern
- Sensitive fern

- P Line: small, probably isolated beyond buffer

I] Red maple

- sh] Viburnum cassinoides
- Rubus sp
- Spiraea latifolia

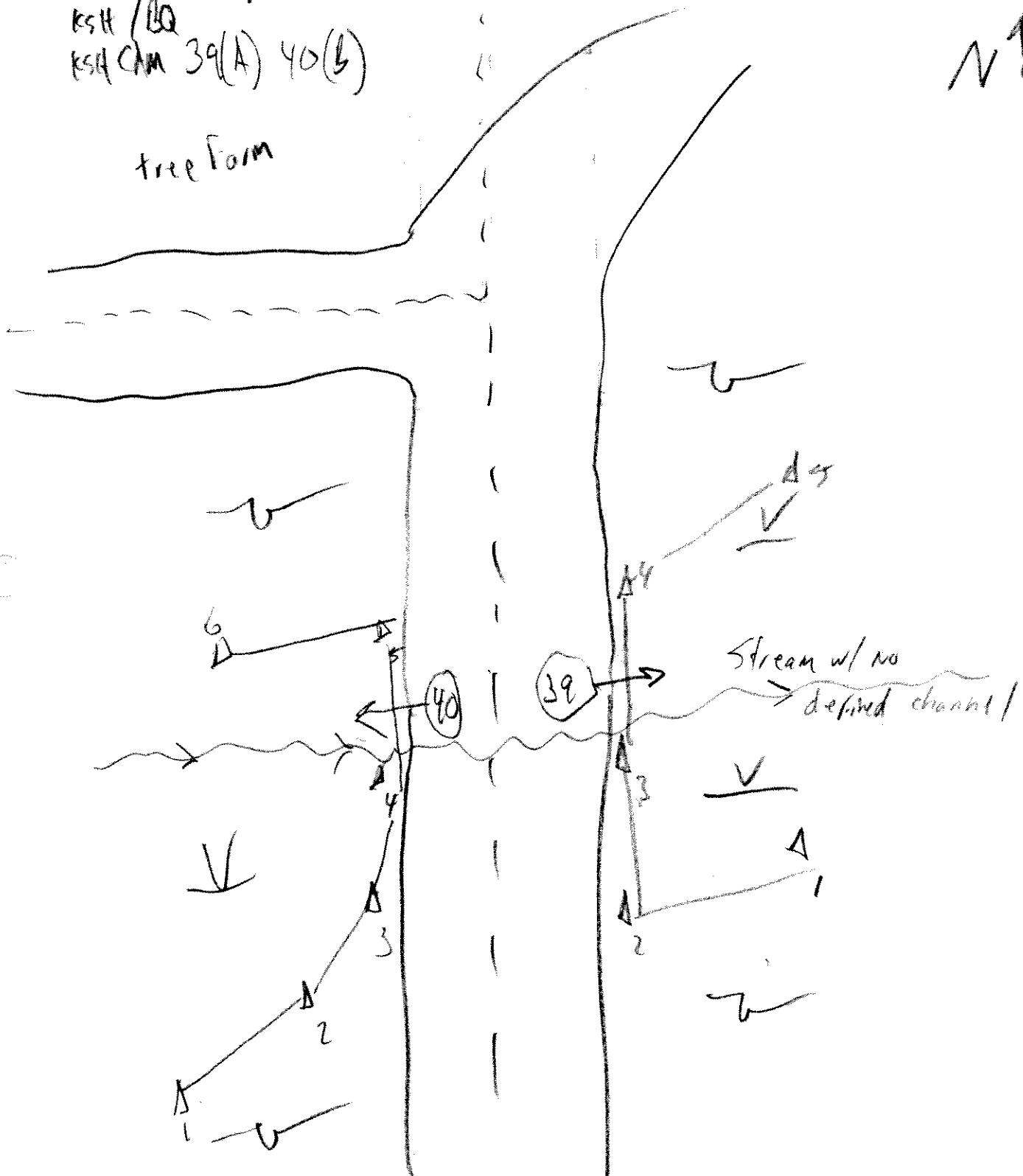
- sh] Sphagnum  
grasses?

AR-619 A/B  
KSH / BQ  
KSH CHM 39(A) 40(B)

11/11/05 0900



tree farm



Tree farm

BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

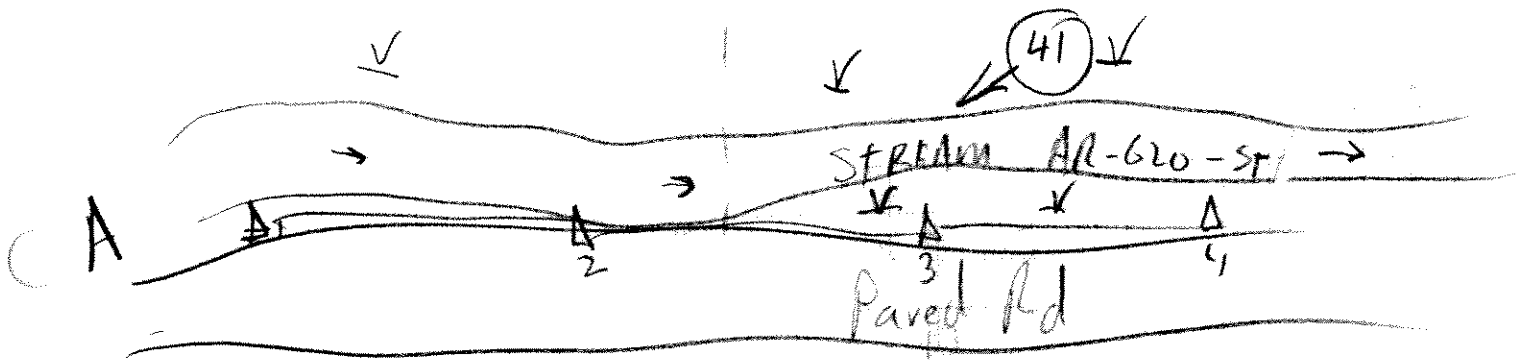
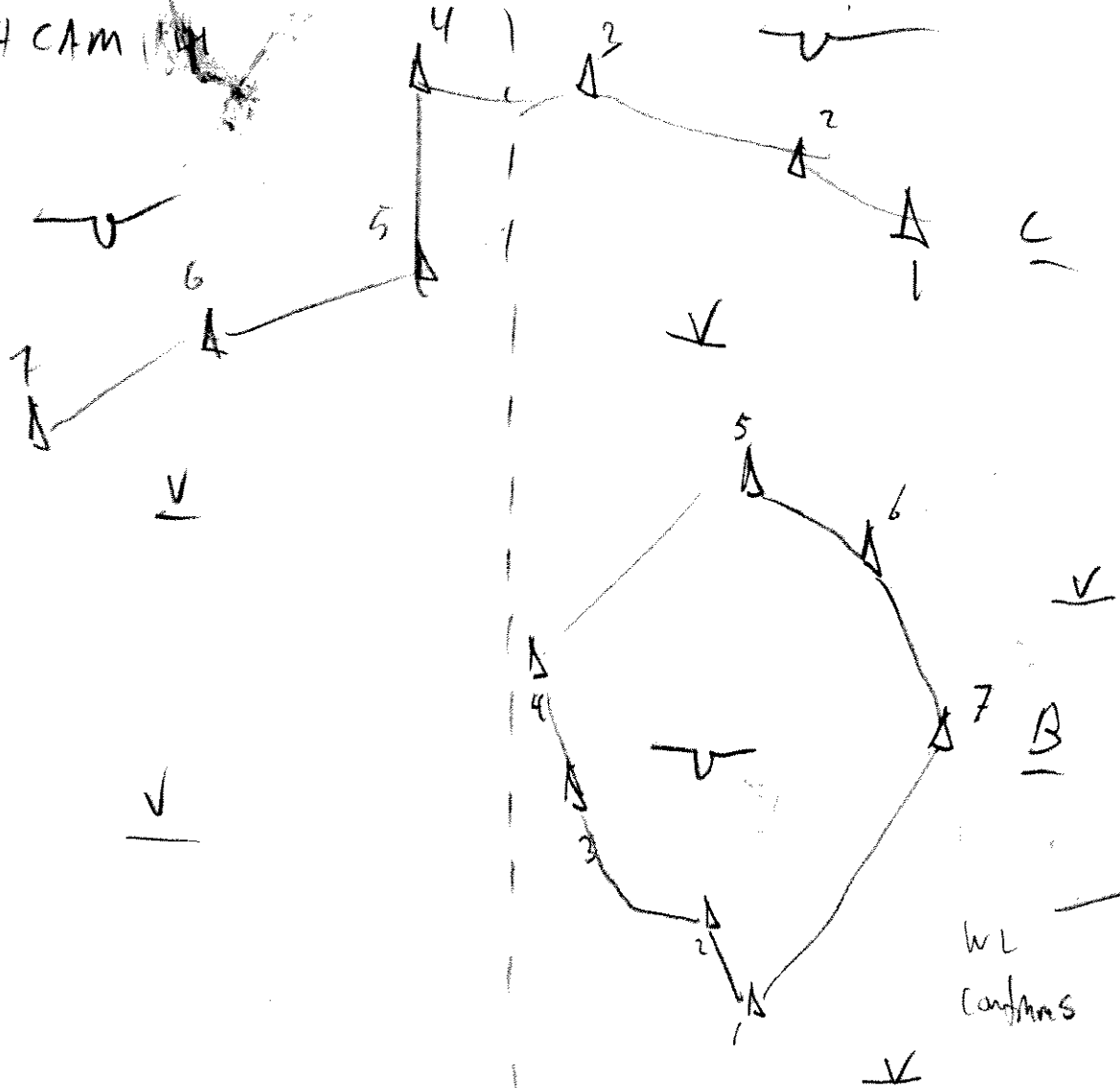
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR-620 A  
KSH/BQ  
KSH CAM

11/11/05



NE-ST 1  
AR-620-ST1

HSI GEOTRANS



BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

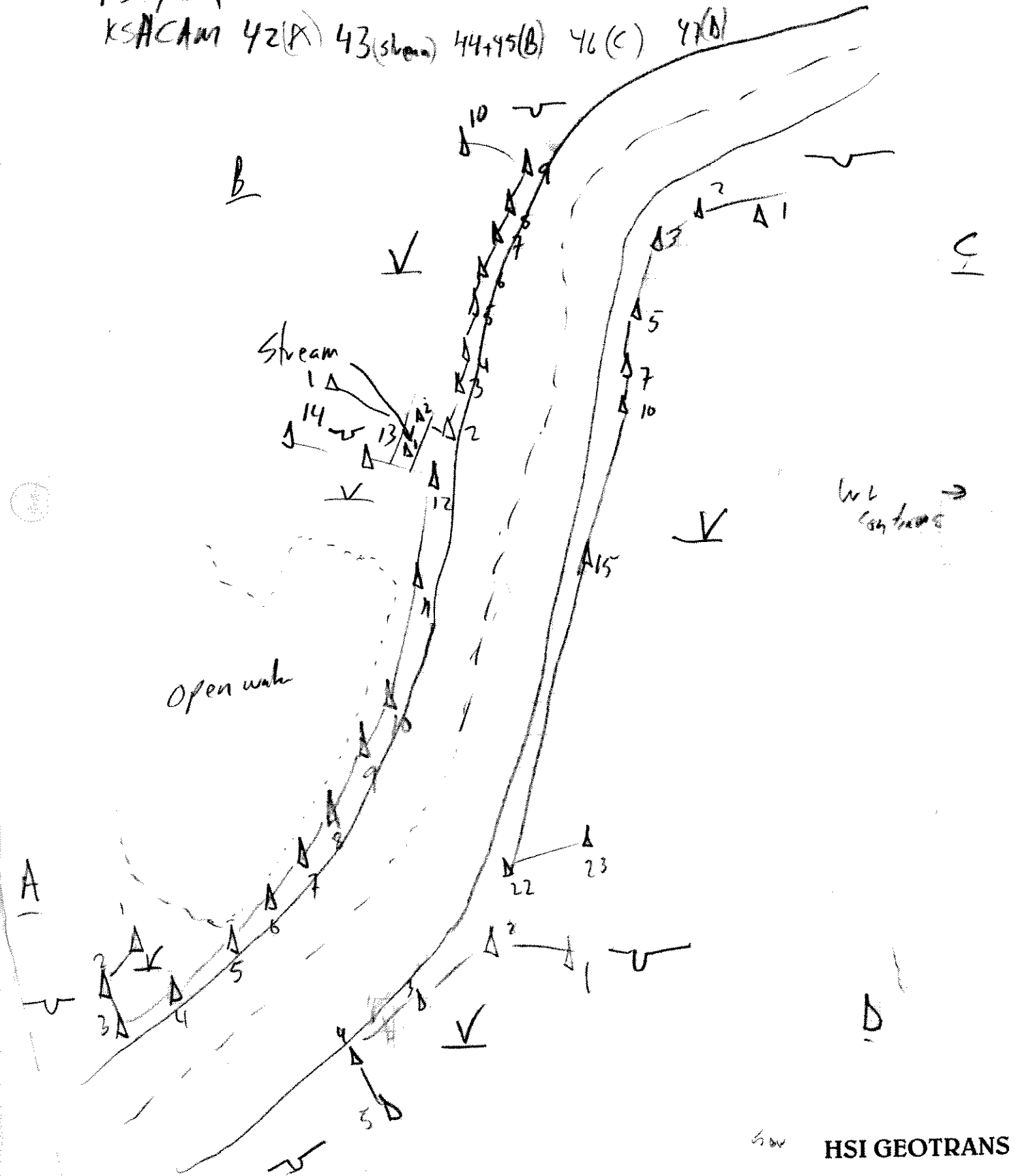
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR 621 A/B  
KS4/BQ

11/11/05 1110

KSACAM 42(A) 43(Sham) 44+45(B) 46(C) 47(D)



50W

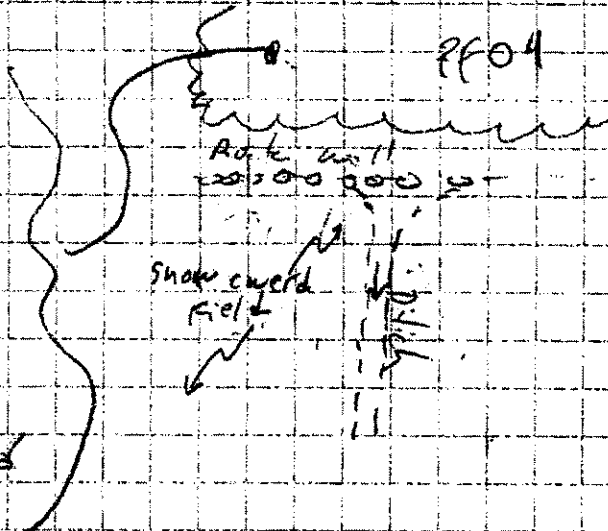
HSI GEOTRANS

WTG 1A 1-19 PFO4 + Field SNOW COVER

- cedar
- gray birch
- red maple
- Red spruce

- Spice laurel
- Spice sp.
- Spice latifolia
- Red osier dogwood

- Sens. Ferns
- Juncus others
- Solidago sp.
- aster sp.



WTG 2A 1-10 PFO1

- red maple - Area has been cut/logged recently
- Balsam Fir - very shallow bedrocks
- gray birch - dirt A with sandy 3rd course below

- Spice laurel
- Spice sp.
- Hydrology
- saturated
- ponded

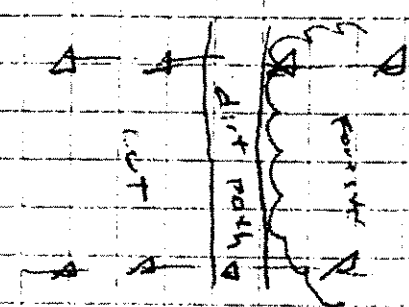
- Staghorn alder
- Juncus others
- Solidago sp.

AR 622 PSS + PFO1

- red maple
- Balsam Fir
- gray birch

- Juncus others
- Hydrology
- ponded
- saturated

- Red maple
- Birch
- Spice laurel
- Spice sp.



WTG 3 A/B

PFO1

SNOW COVER

II Elm  
red maple

Hydrology

- saturated
- ponded
- water stained leaves
- soil

Note:

- Up gradient of B3+4 needs further inspection (up gradient of 1+2 soils are good)

III Alnus rugosa \*  
vitis sp (vine)  
rubus sp

Upland indicators

- soil - beach
- aspen -
- TOPD
- Hornbeam

cornus stolonifera } by B  
honey berry } Line

III Sassafras

WTG 17 A/B PFO1 + PFS

SNOW COVER

I Red Maple  
grey birch

Hydrology

- saturated
- ponded
- stained leaves

Upland indicators

- sugar maple
- soil (spice)
- aspen

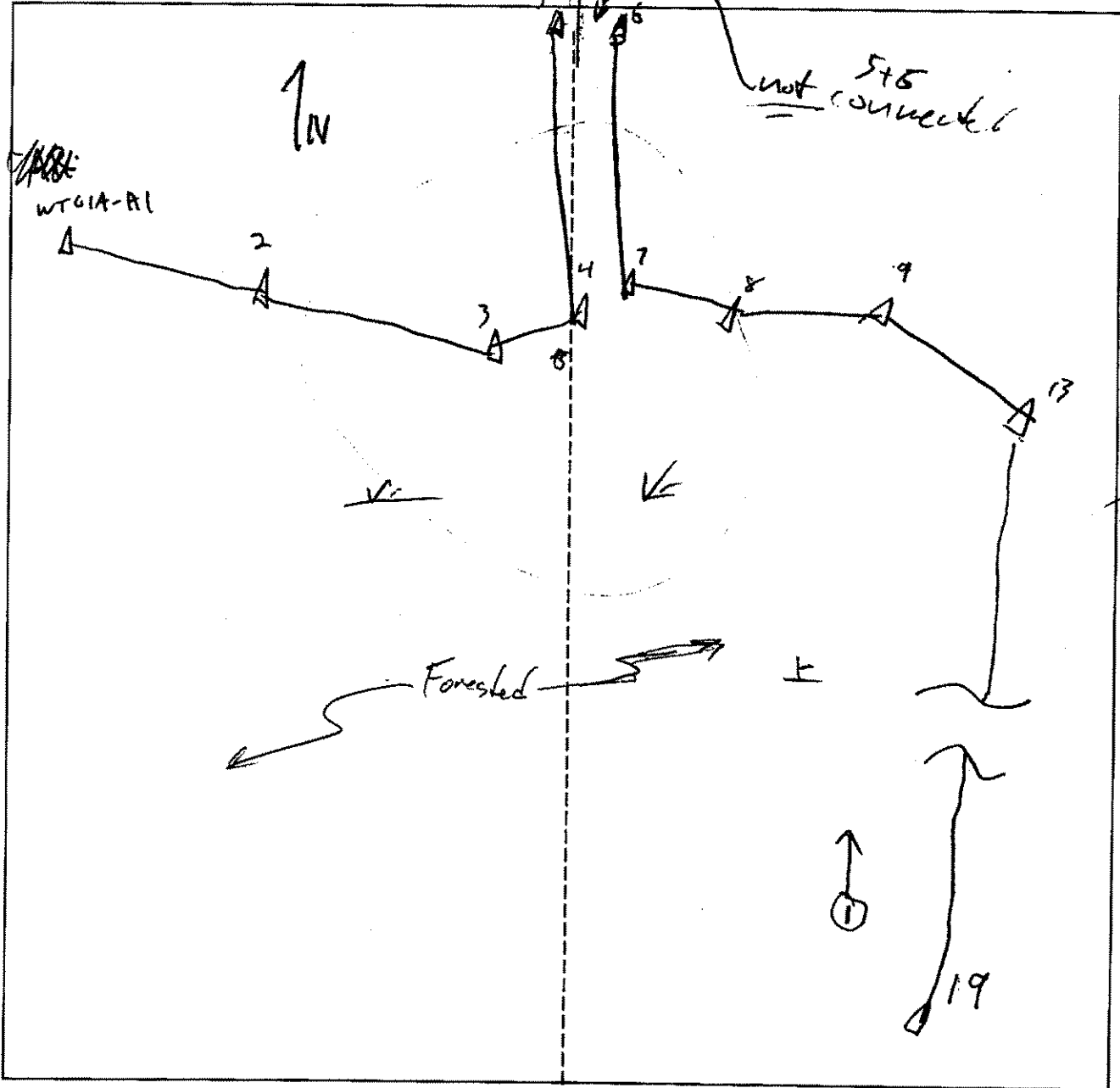
II Salix sp  
cornus stolonifera  
Spirea latifolia  
Spirea foetida

Soil

- hydric
- dark dark A

SKETCH FORM

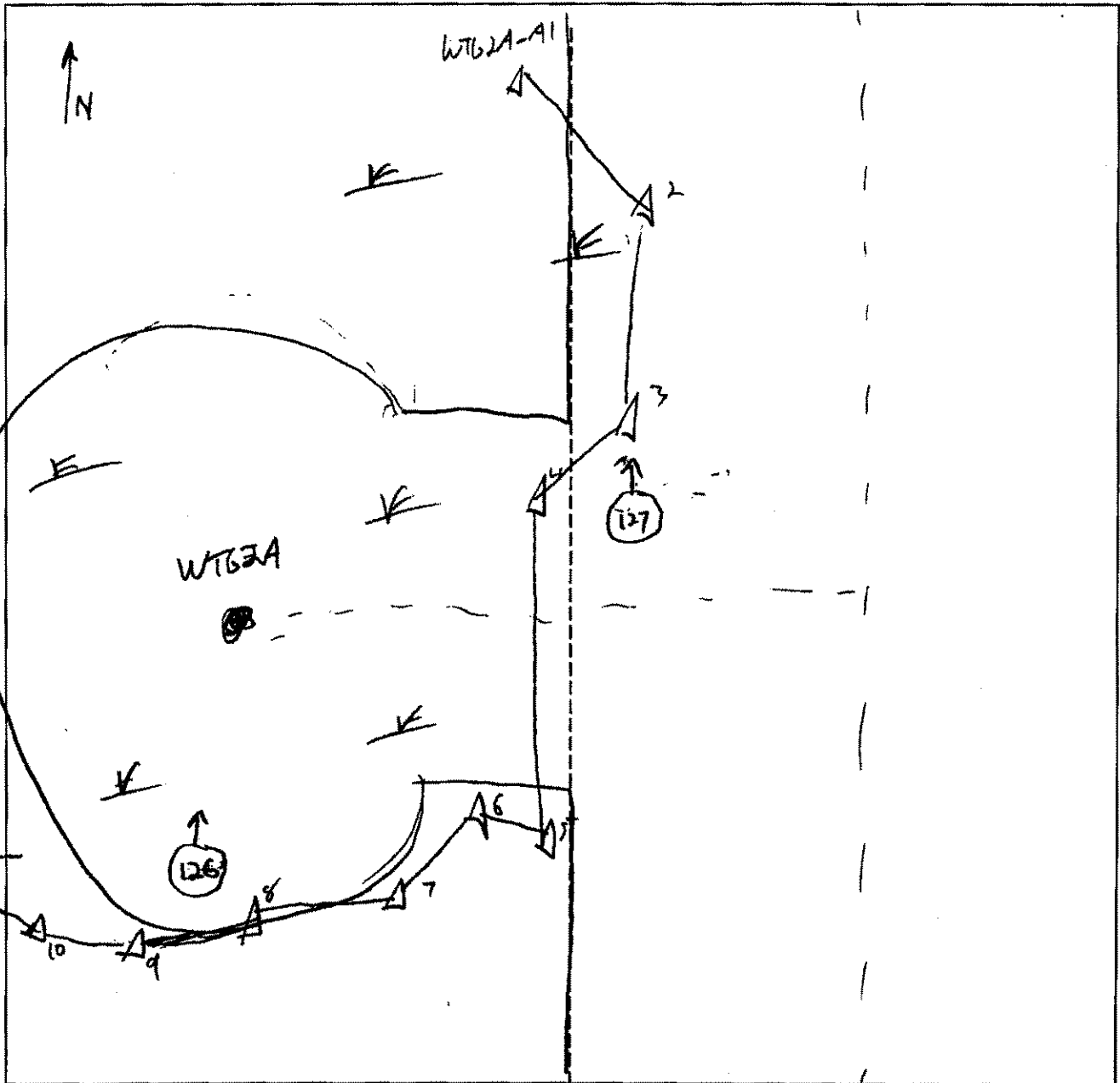
Wetland ID/Route #: <i>WTG-1A</i>	Date: <i>12-5-05</i>	Time: <i>10:15</i>
Initials of Delineators: <i>BB BR</i>	Location:	
Roll #: <i>KH</i>	Frames: <i>128</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

Wetland ID/Route #: WTG 2A 1-5	Date: 12/5/05	Time: -
Initials of Delineators:	Location: Clinton Co.	
Roll #: KH	Frames: 126 + 127	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

Wetland ID/Route #: AR 622 A/B	Date: 12-5-05	Time:
Initials of Delineators: BR	Location: Clinchman CO, NY	
Roll #: Frames: 125		

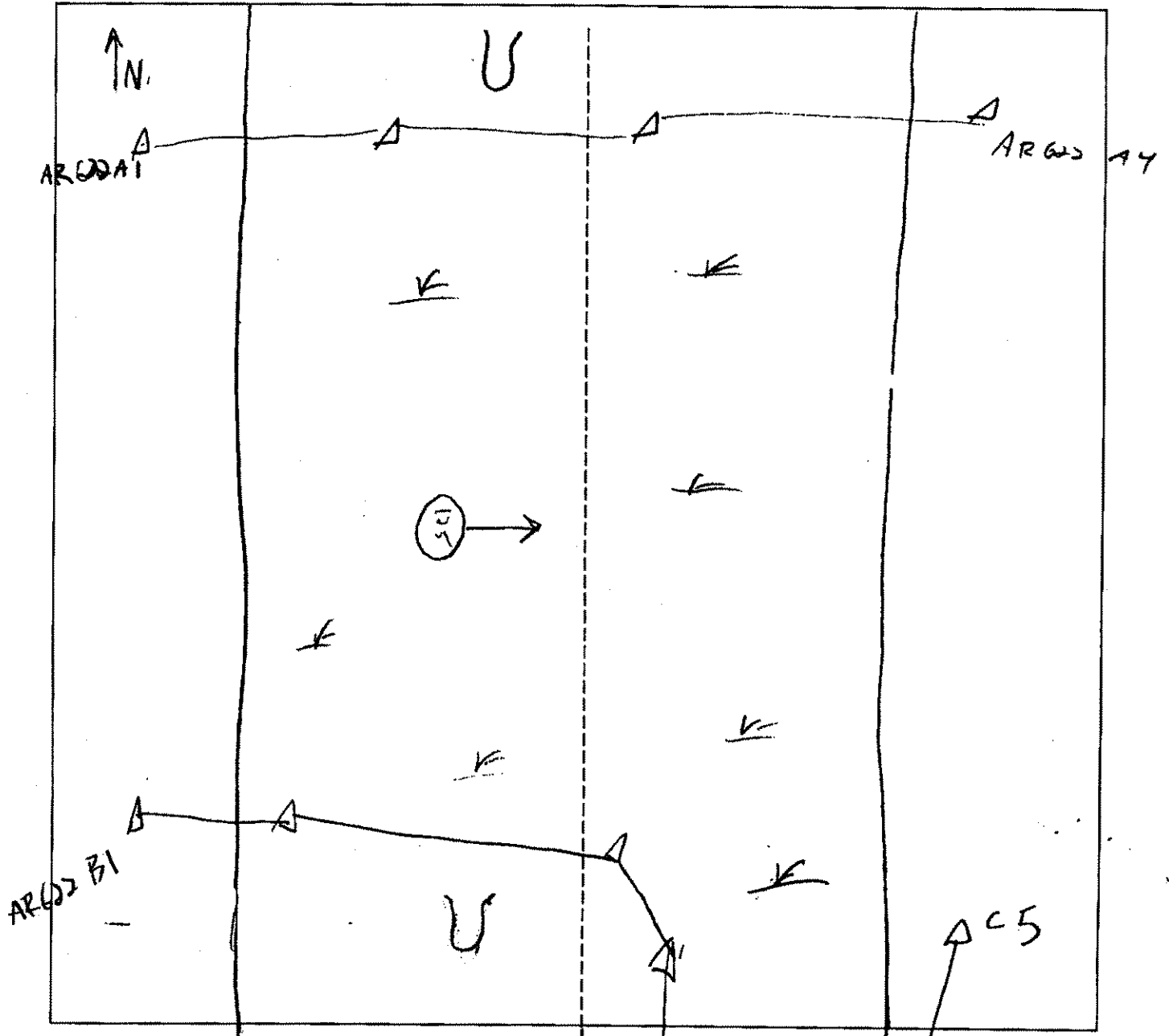
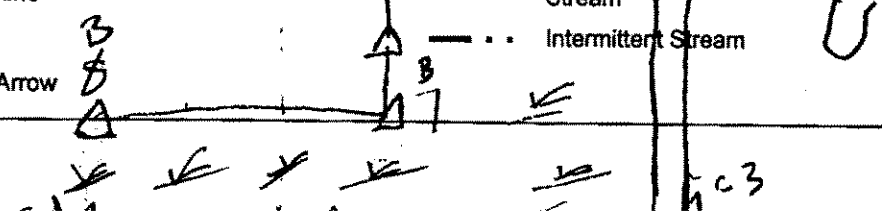
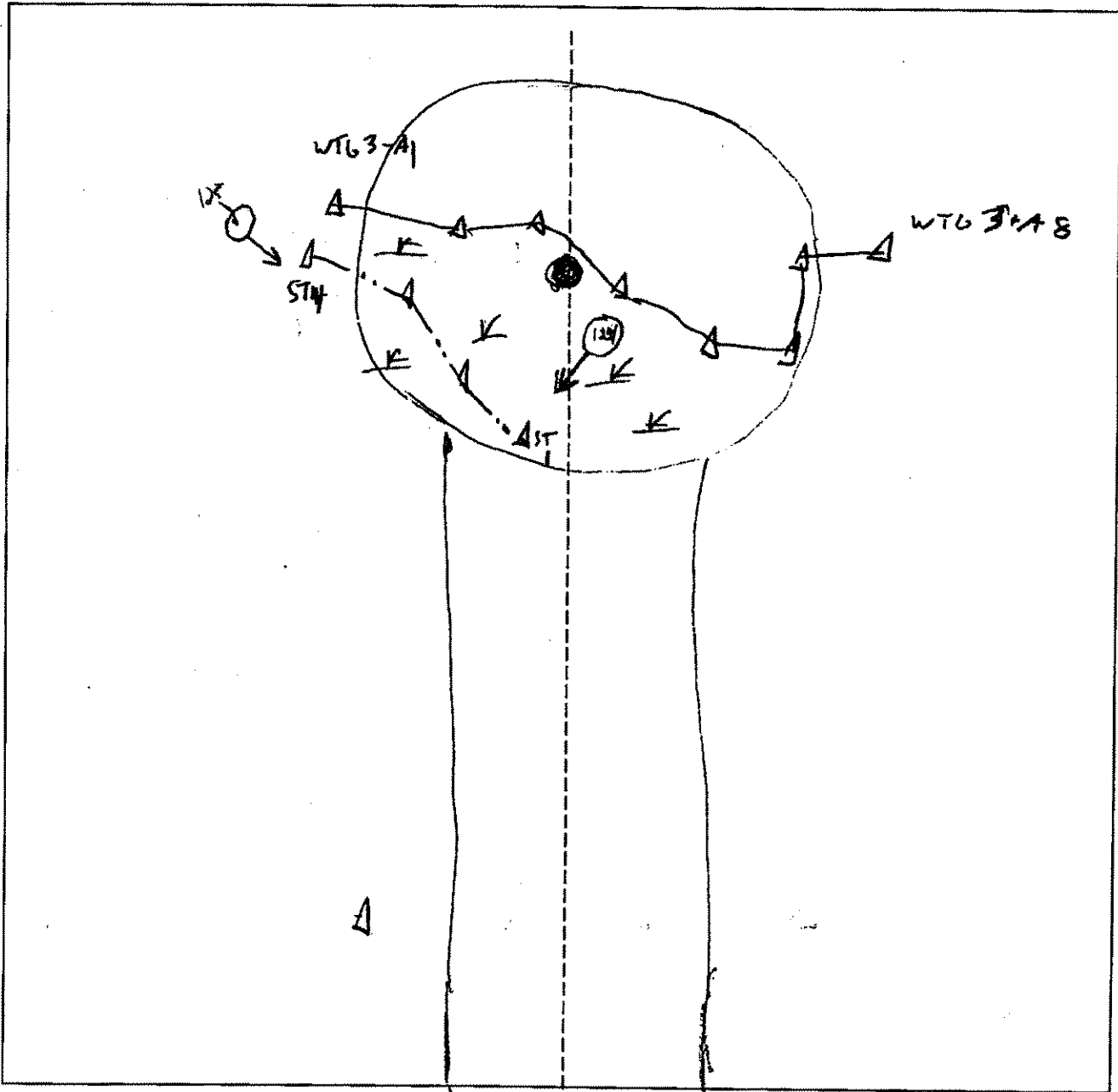


Photo Location/Direction	<b>Legend</b>	Wetland
Sample Station		Upland
Centerline		Stream
Flag		Intermittent Stream
North Arrow		



SKETCH FORM

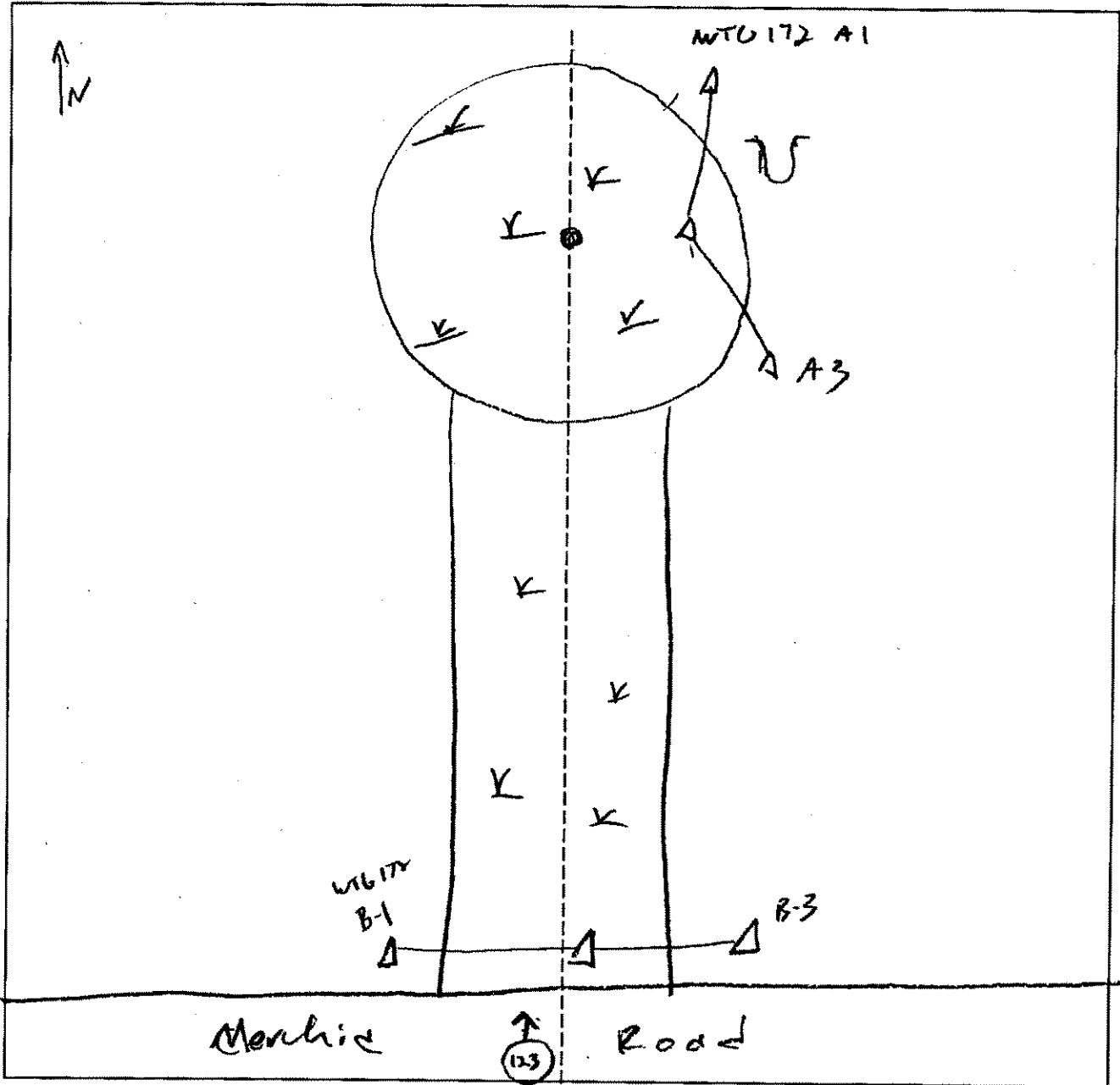
Wetland ID/Route #: <b>WT63A- WT63A-ST</b>	Date: <b>12-5-05</b> Time: <b>2:30</b>
Initials of Delineators: <b>BR/BQ</b>	Location: <b>Clinton NY</b>
Roll #: <b>124+125</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WTG 172 A/B		Date: 12-5-05	Time: 3:45
Initials of Delineators: BR / BR		Location: Clinton	
Roll #:	Frames: 123		

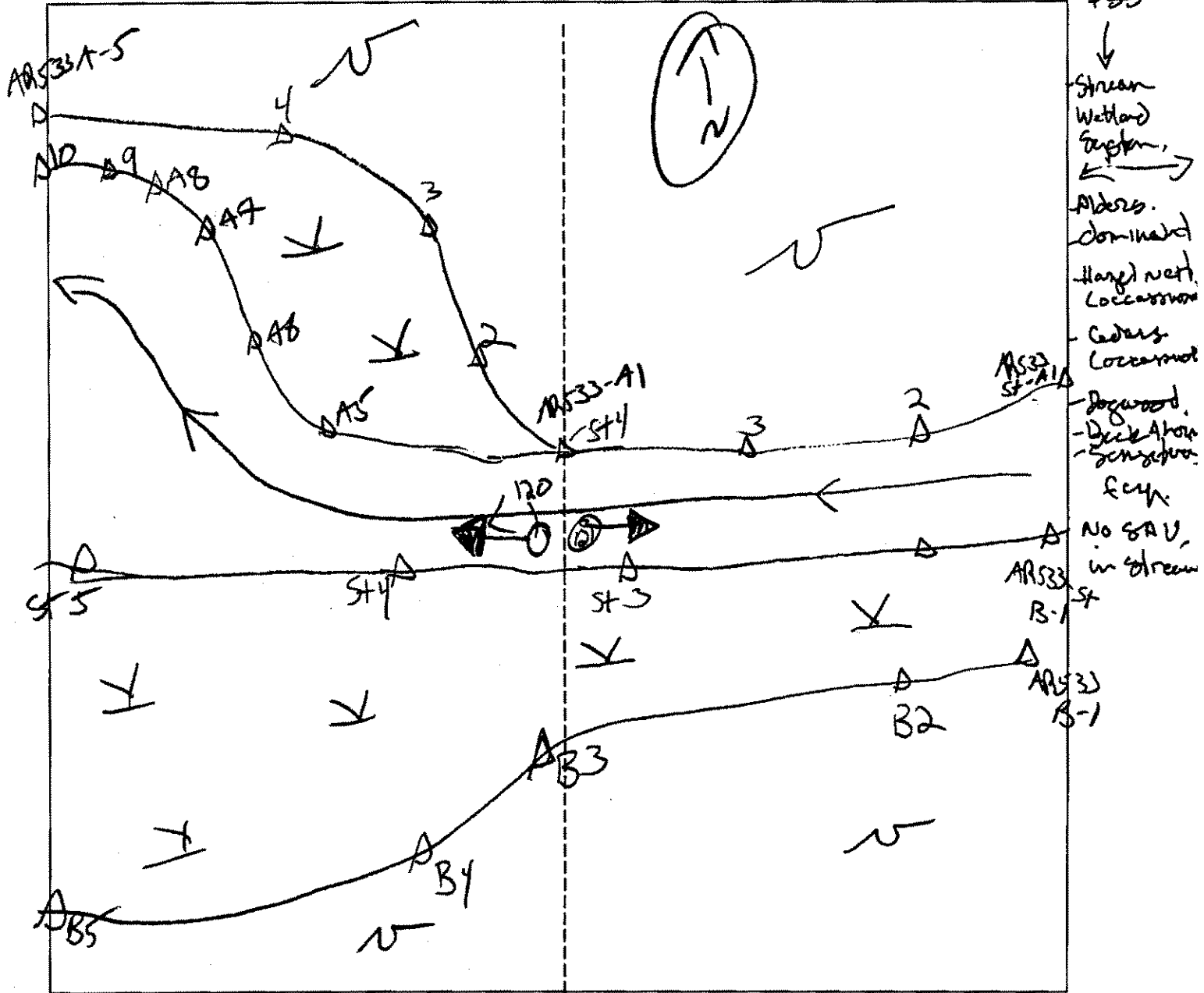


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	



SKETCH FORM

Wetland ID/Route #: AR533A/B - AR533 STA/B	Date: 12/15/05	Time: 12:15 PM
Initials of Delineators: BR, LIT	Location: Clinton, CO	
Roll #: KH	Frames: 12E, 20W	



Legend

- |                          |                     |
|--------------------------|---------------------|
| Photo Location/Direction | Wetland             |
| Sample Station           | Upland              |
| Centerline               | Stream              |
| Flag                     | Intermittent Stream |
| North Arrow              |                     |

WTGSA Emergent / Field SNOW COVER ~ 5"

I] Salix s.p. (cut, recent growth) - Hydrology  
 - saturated  
 - obs. stream  
 SOIL - Dark Ap w/redox  
 - 104R up, some m.m.s.

H] Saus fern  
 + typha latifolia  
 + small  
 Rumex sp.  
 grasses

RE VISIT Field

NOTES:  
 - stream is likely perennial

AR 623 A/B - PFO1 SNOW COVER

I] gray birch  
 Red maple  
 Red elm  
 Balsam fir  
 Hydrology  
 - saturated  
 - ponded  
 - drainage patterns  
 - stream visible  
 Upland indicators  
 - Black clay  
 - soil

H] Saus fern  
 poorly defined channel  
 under ICE } re visit to get  
 location if any

AR 604 A/B/C PFO4/DEM SNOW COVER

I] balsam Fir  
 gray birch  
 Slippery elm  
 Hydrology  
 - saturated  
 - ponded  
 - Int. stream

MOST  
 LIPY  
 WET  
 THROUGH

Notes:  
 - AR 604-A6 connects to  
 AR 603-B1  
 - stream is poorly defined  
 w/dry channels covered w/ the  
 ice + snow

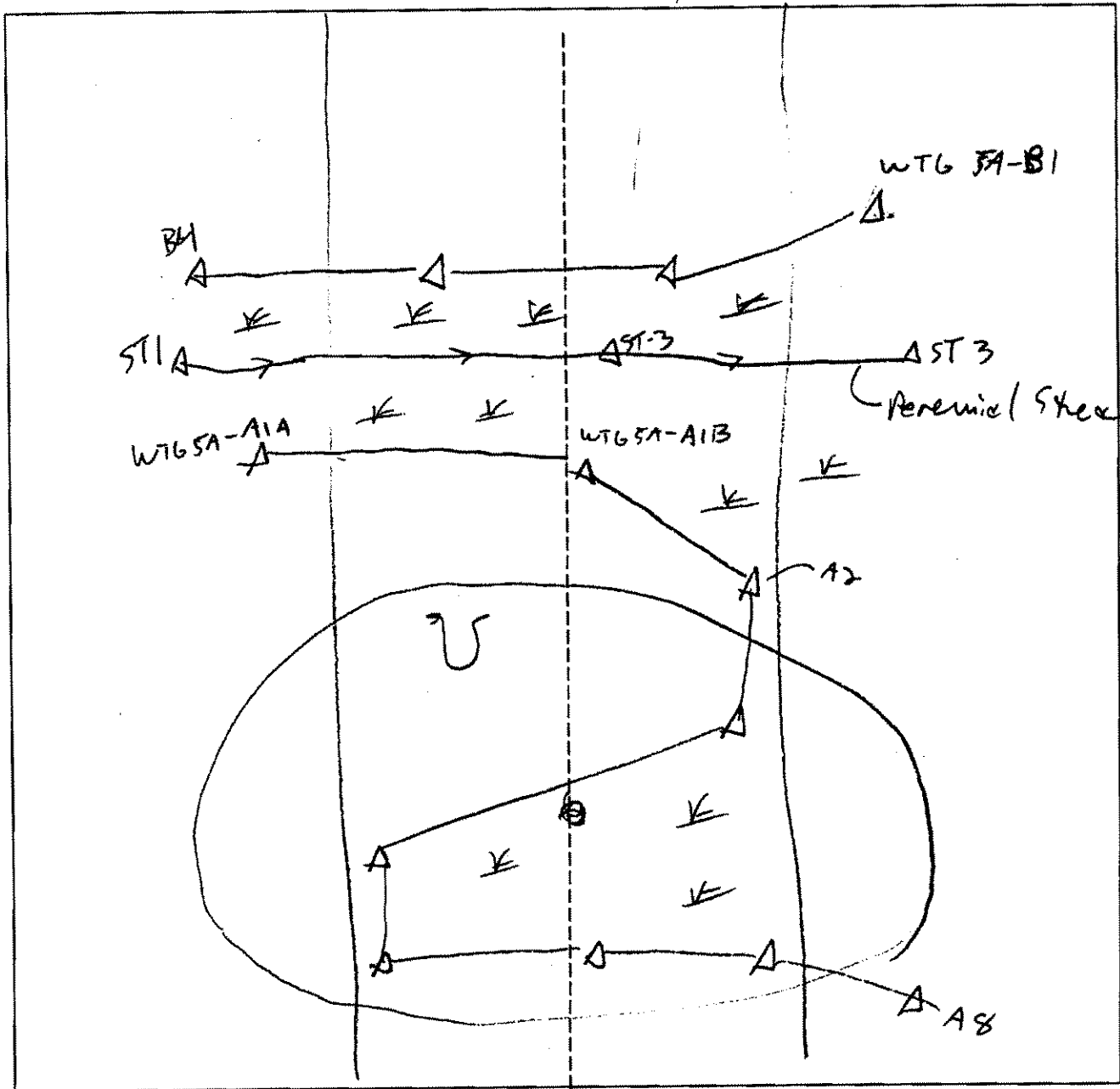
H] Saus fern  
 sphagnum (mostly under  
 snow)

C series  
 I] Red maple (recent logging)  
 Upland indicators by C  
 - Soil 4!  
 - TOPO MAP

- Delineation beyond B6 is  
 difficult under 12/18/05 conditions  
 - Area Between B/C series  
 may have some upland but  
 conditions prohibit delineation

SKETCH FORM

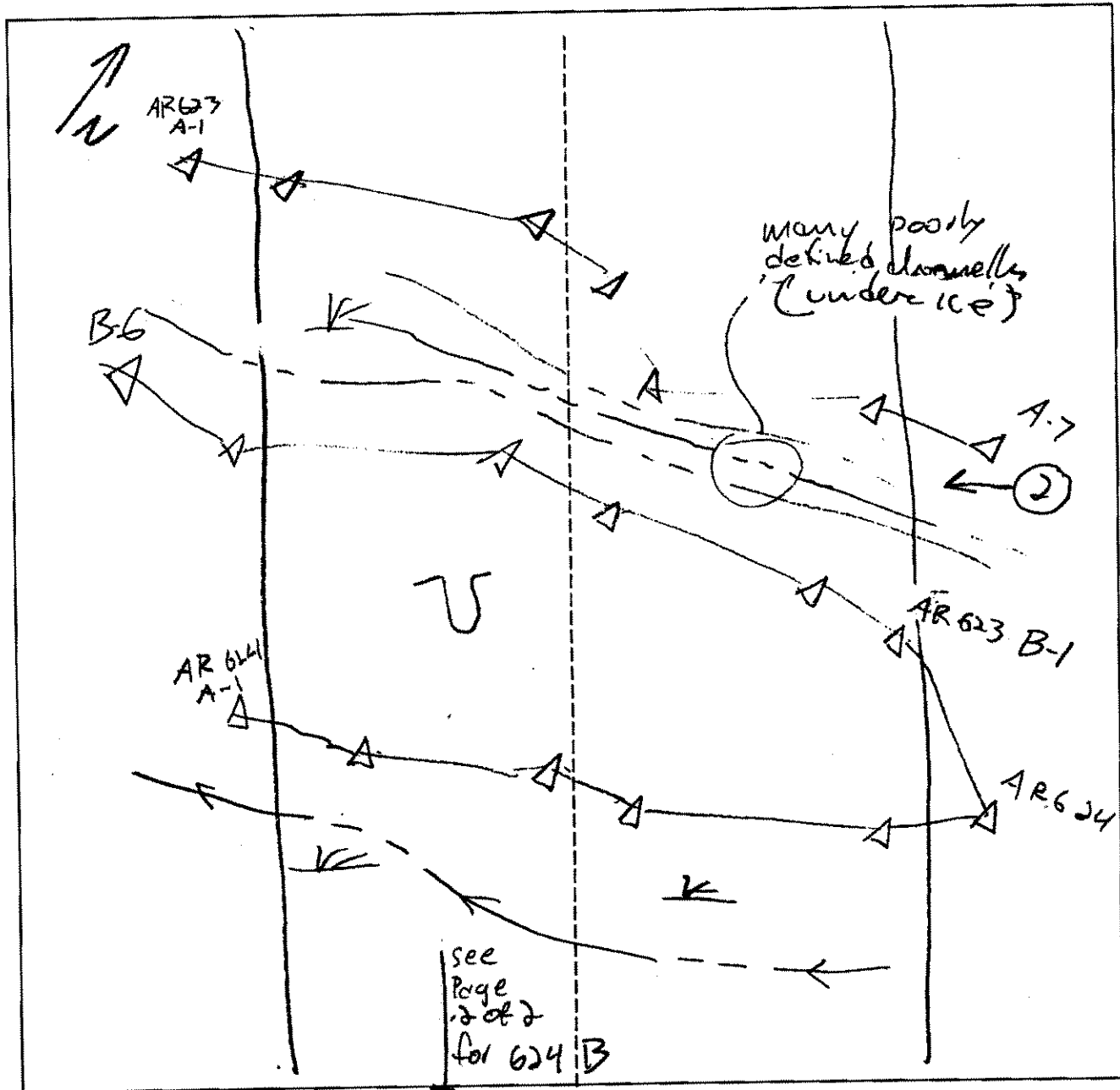
Wetland ID/Route #: <b>WTG 5A-A/B/ST</b>	Date: <b>12-6-05</b>	Time:
Initials of Delineators: <b>pel</b>	Location: <b>Clinton</b>	
Roll #: <b>A45</b>	Frames: <b>1</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: Page 1 of 2 AR 623 + 624	Date: 12-6-05	Time:
Initials of Delineators: BCE	Location: Clinton NY	
Roll #: AMB	Frames: 2	



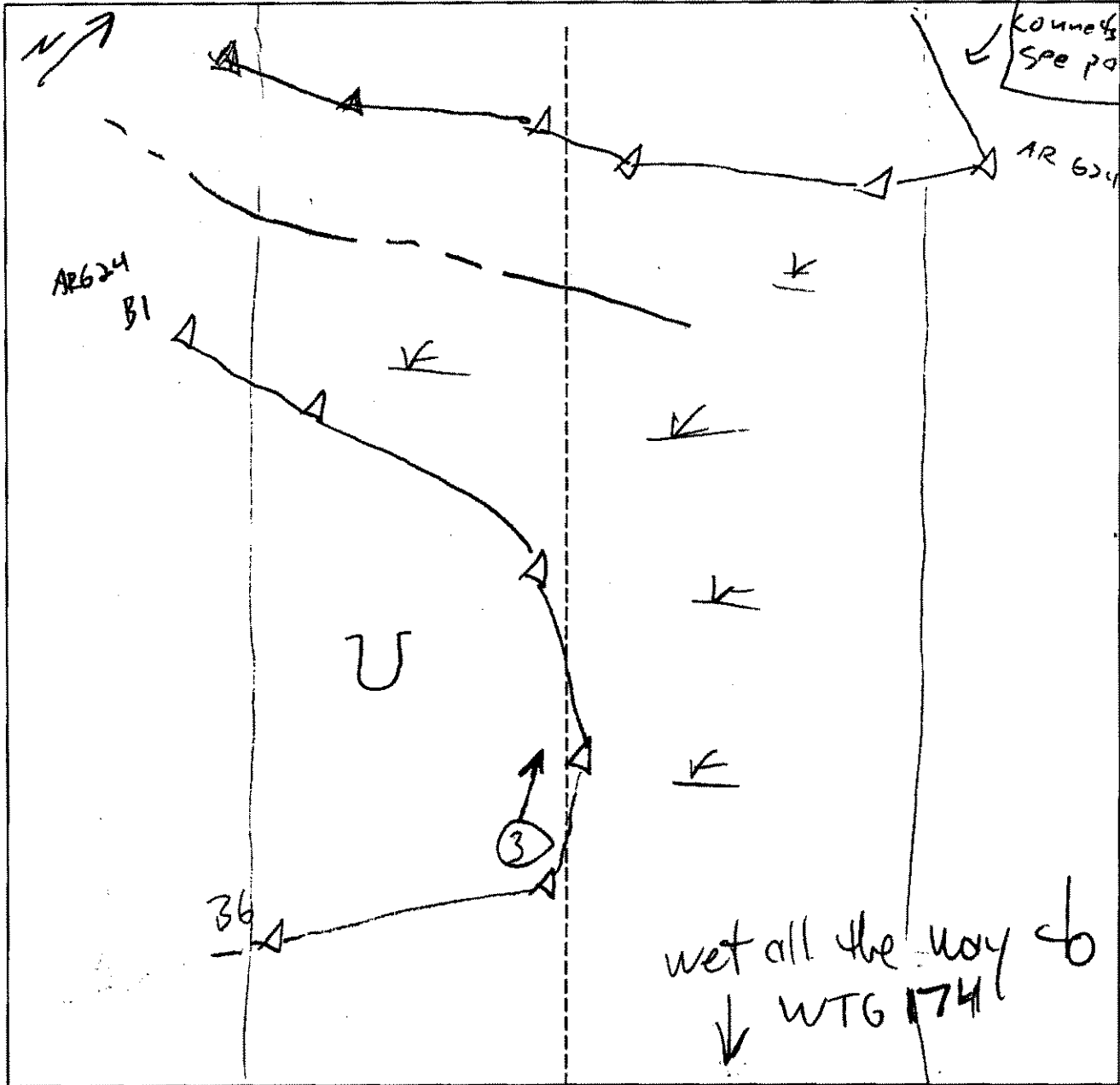
Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

Page 2 of 2

Wetland ID/Route #: AR 624	Date: 2-6-05	Time:
Initials of Delinators: BQ	Location: Clinton NY	
Roll #: AMS	Frames: 3, 4 <sup>series</sup>	

AR  
connects to 623-B  
see page 1 of 2



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

12/6/05

WTB 6 A/B/C

Boundaries not 100% clear due to snow

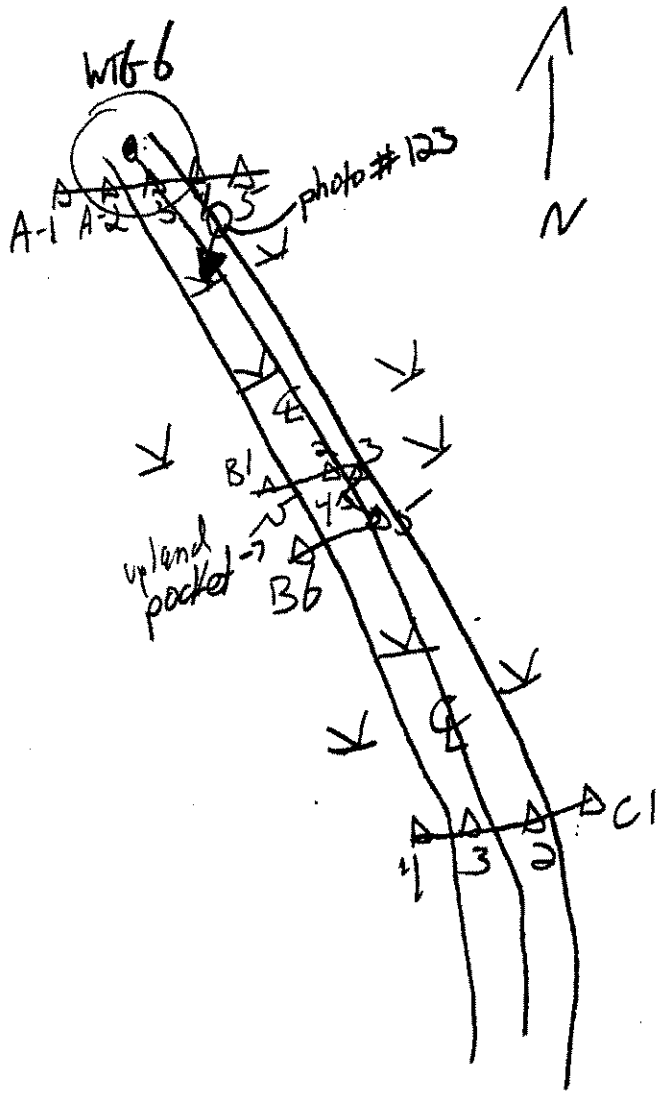


WTB 175 A/B

snow

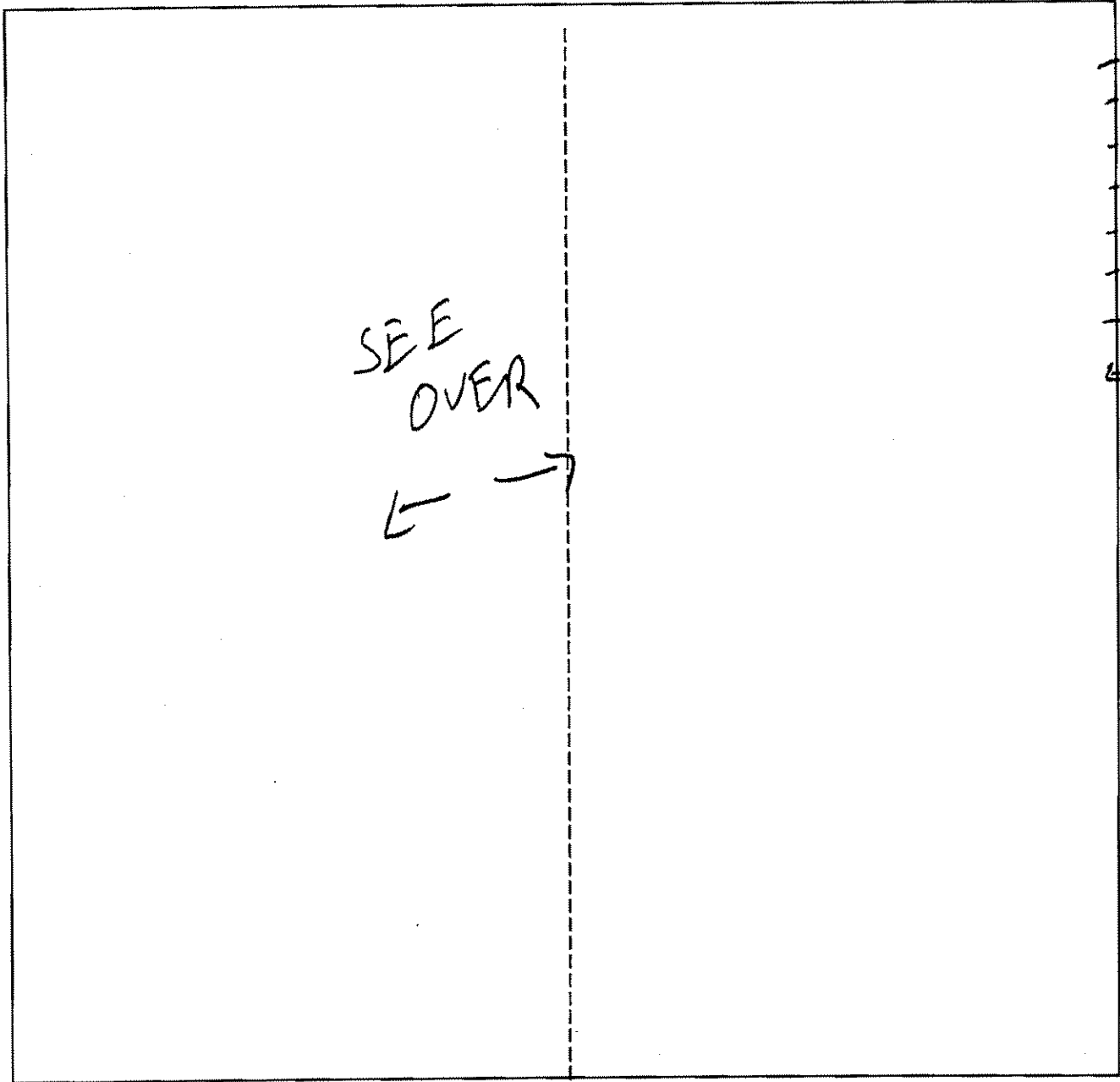
boundary not 100% clear due to snow

wells to encompass most of AR between the 2 turbines



SKETCH FORM

Wetland ID/Route #: WT66A/B/C	Date: 12/6/05	Time: 9:10 AM
Initials of Delineators: BR / KH	Location: Clinton Co., NY	
Roll #: KH	Frames: 123 South	

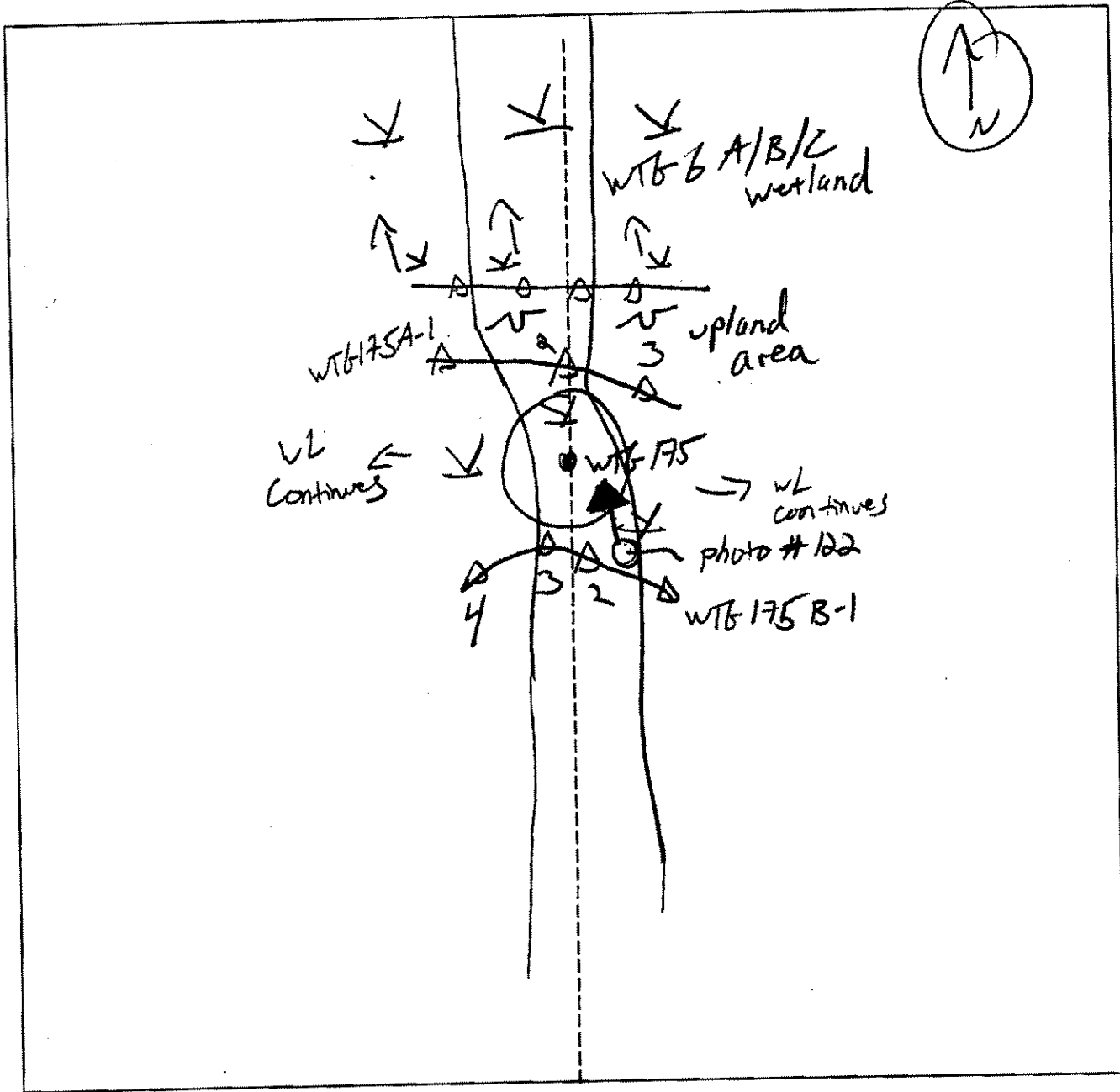


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	



SKETCH FORM

Wetland ID/Route #: WTB 175 A/B	Date: 12/6/05	Time: 10:30
Initials of Delineators: BHH BR	Location: Clinton Co.	
Roll #: 154	Frames: 122 North	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

AR 625 A/B Scrub-shrub/PFO edge Snow cover

- I] red maple  
yellow birch
- II] Salix sp.  
alder  
gray birch  
red osier dogwood

Hydrology  
- ponded  
- saturated

Notes:  
- wetland on either side of Road  
  
- centerline of Access Road does not follow road in beginning

- I] Cattail  
Sedges  
Rushes

AR 626 A PFO 4 Snow cover ~ 6"

- I] Balsam Fir  
Cedar  
Red maple  
Yellow Birch

Hydrology  
- saturated

Soil  
- Dark A over depleted  
Mudry

Notes:  
- No B Series, wet all the way to out including WTG 13  
  
- WTG site is definitely wet, cedar swamp with ponded areas and sphagnum mounds

- II] Fir
- III] cinnamon fern  
sensitive fern  
Sphagnum (WTG site)

Upland indicators  
- Soil  
- Beech

AR 627 A/B Scrub shrub / PFO edge Snow cover!

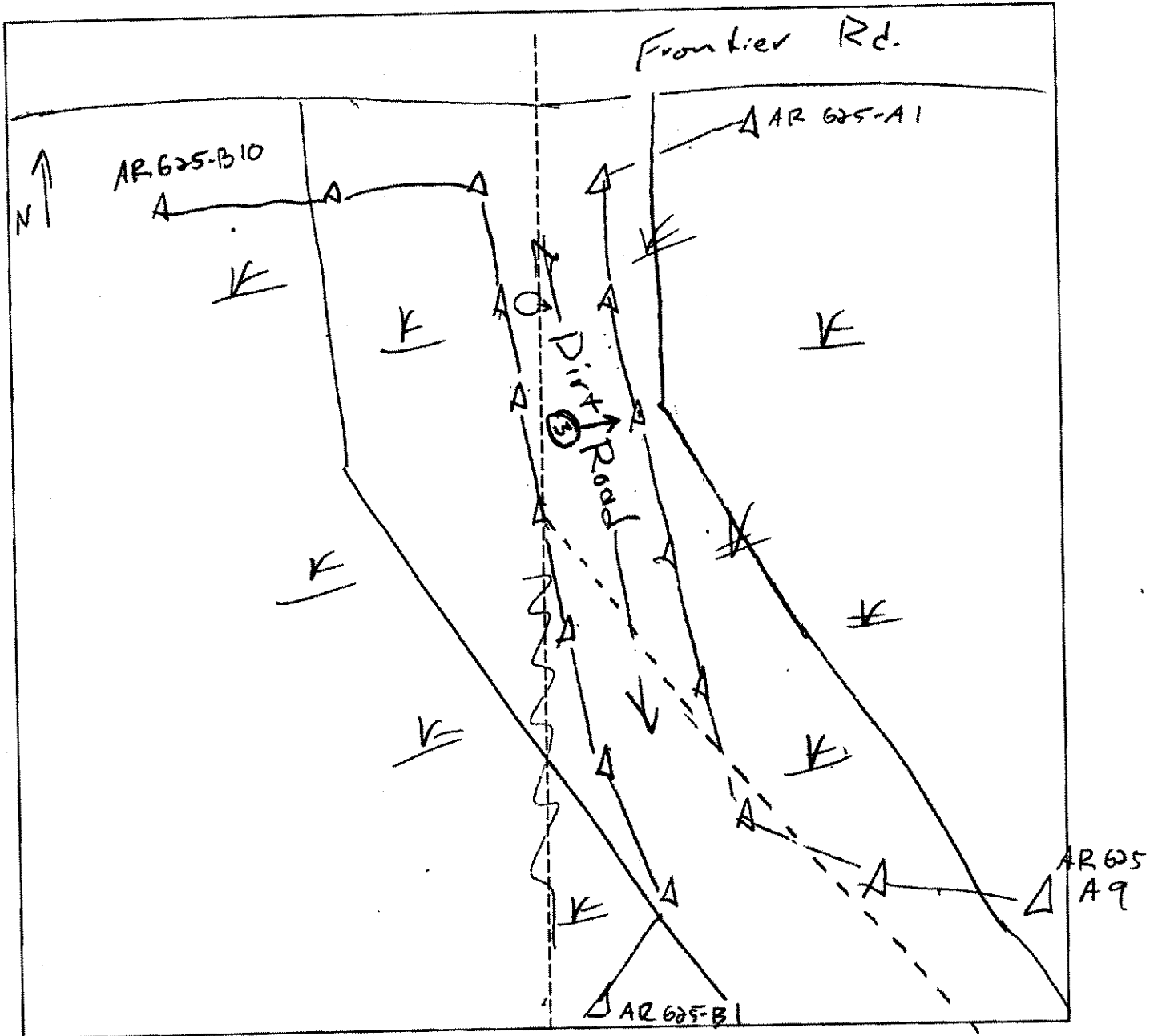
<ul style="list-style-type: none"> <li>red maple</li> <li>gray birch</li> <li>elder</li> <li>Salix sp</li> <li>Spiraea latifolia</li> <li>Spiraea tomentosa</li> <li>red osier dogwood</li> </ul>	<p><u>Hydrology</u></p> <ul style="list-style-type: none"> <li>- saturated</li> <li>- ponded</li> <li>- soils</li> </ul>	<p><u>Notes:</u></p> <ul style="list-style-type: none"> <li>- old field (very old)</li> <li>- A line could be checked during season but with location is definitely upland</li> </ul>
<ul style="list-style-type: none"> <li>Ceanothus</li> <li>Solidago sp.</li> </ul>	<p><u>upland indicators (A line)</u></p> <ul style="list-style-type: none"> <li>- soils (no depleted matrix below plow layer)</li> <li>- aspen</li> <li>- alder + willow drop out</li> </ul>	

AR 628 A/B Scrub shrub / PFO edge Snow cover!

<ul style="list-style-type: none"> <li>gray birch</li> <li>red maple</li> </ul>	<p><u>Hydrology</u></p> <ul style="list-style-type: none"> <li>- saturated</li> <li>- ponded</li> <li>- soils (very dark A over depleted matrix)</li> </ul>	
<ul style="list-style-type: none"> <li>elder</li> <li>Salix sp</li> <li>Spiraea latifolia</li> <li>Red osier dogwood</li> </ul>	<p><u>upland indicators</u></p> <ul style="list-style-type: none"> <li>- soils</li> <li>- topo</li> <li>- aspen</li> </ul>	
<ul style="list-style-type: none"> <li>Ceanothus</li> <li>Cinnamomum</li> </ul>		

SKETCH FORM

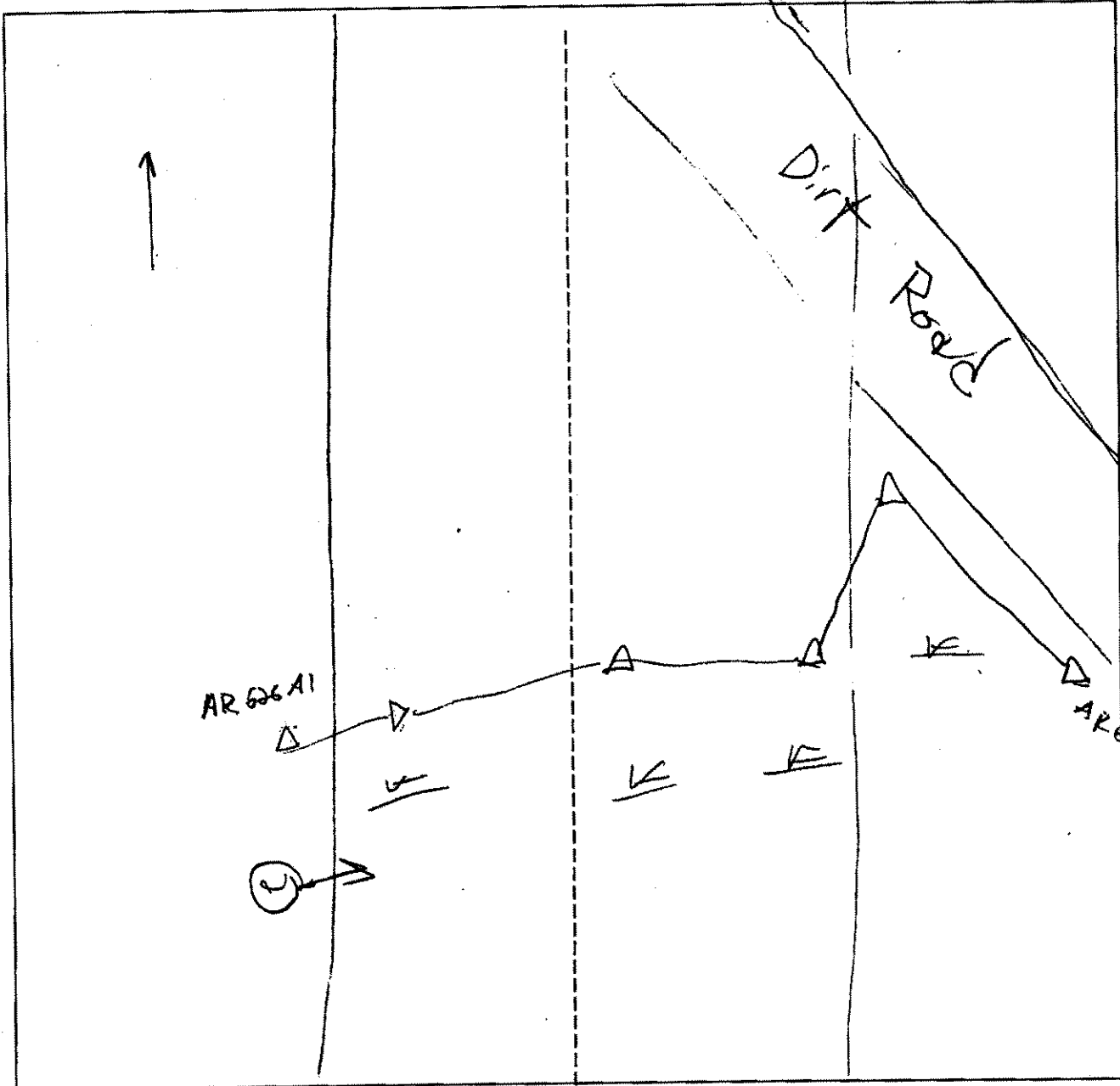
Wetland ID/Route #: AR 625	Date: 12-7-05	Time:
Initials of Delineators: BQ	Location: Clinton NY	
Roll #: AMS	Frames: 3	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

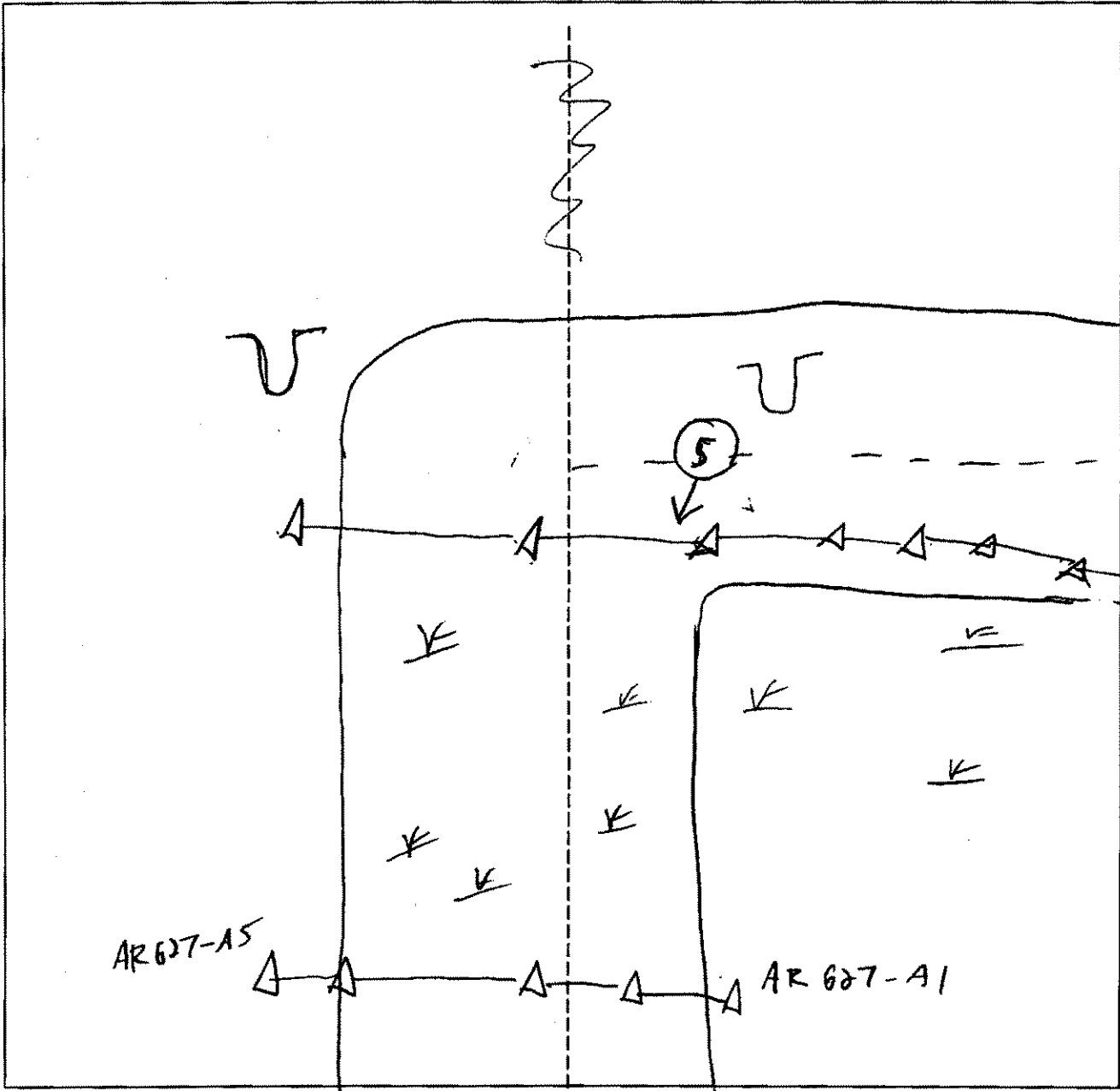
Wetland ID/Route #: AR 626 A	Date: 12-7-05	Time:
Initials of Delineators: BQ	Location: Clinton	
Roll #: AMS	Frames: 2	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

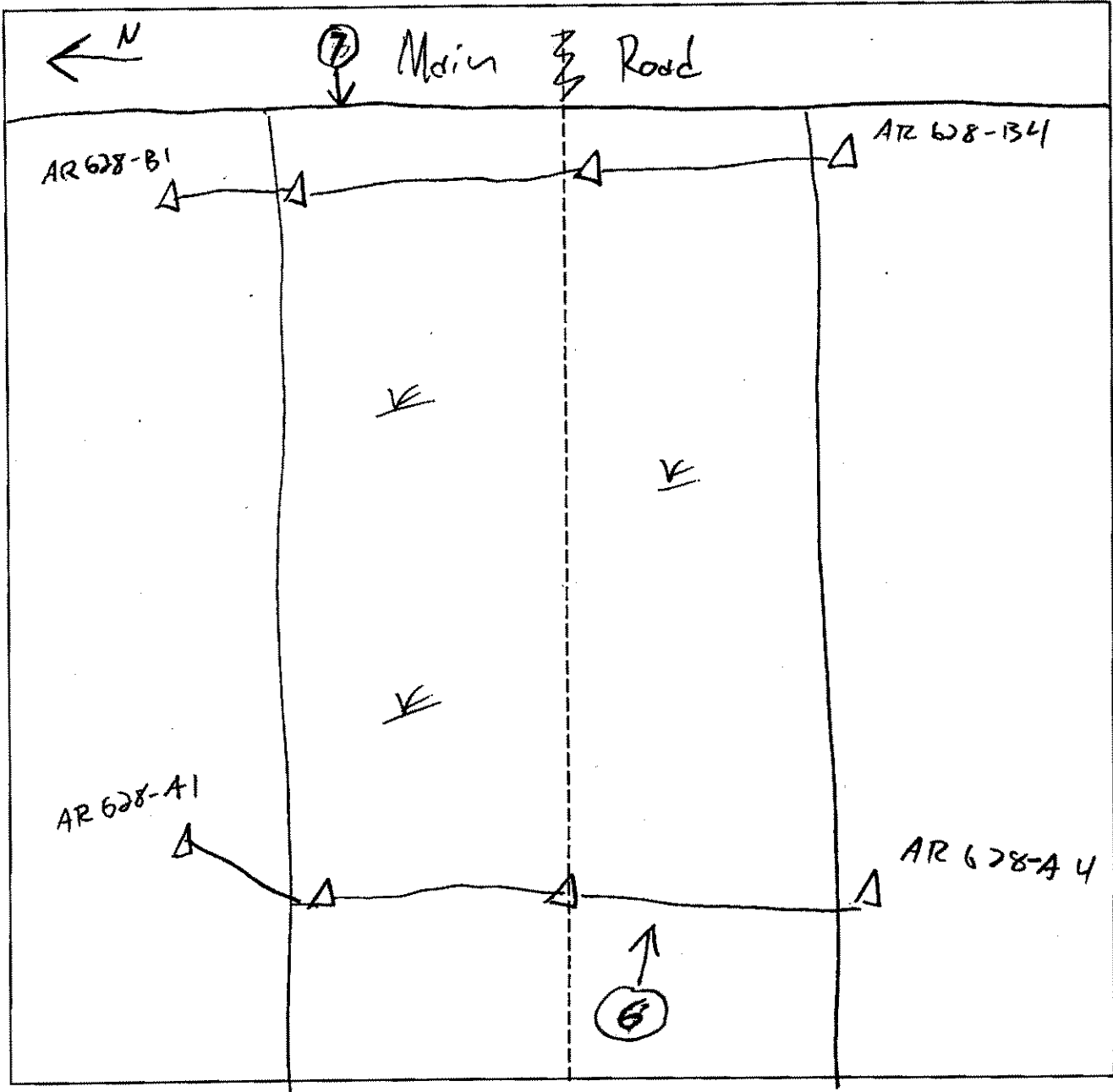
Wetland ID/Route #: AR 627 A/B	Date: 12-7-05	Time:
Intials of Delineators: BL	Location: Clinton NY	
Roll #: AMS	Frames: 5	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

Wetland ID/Route #: AR 628-A/B	Date: 12-7-05 Time:
Initials of Delineators: BQR	Location: Clinton NY
Roll #: AM9	Frames: 6



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

12/7/05  
Possible wetland (PEM) East of store wall in field  
along the ROW, South of VTB 48

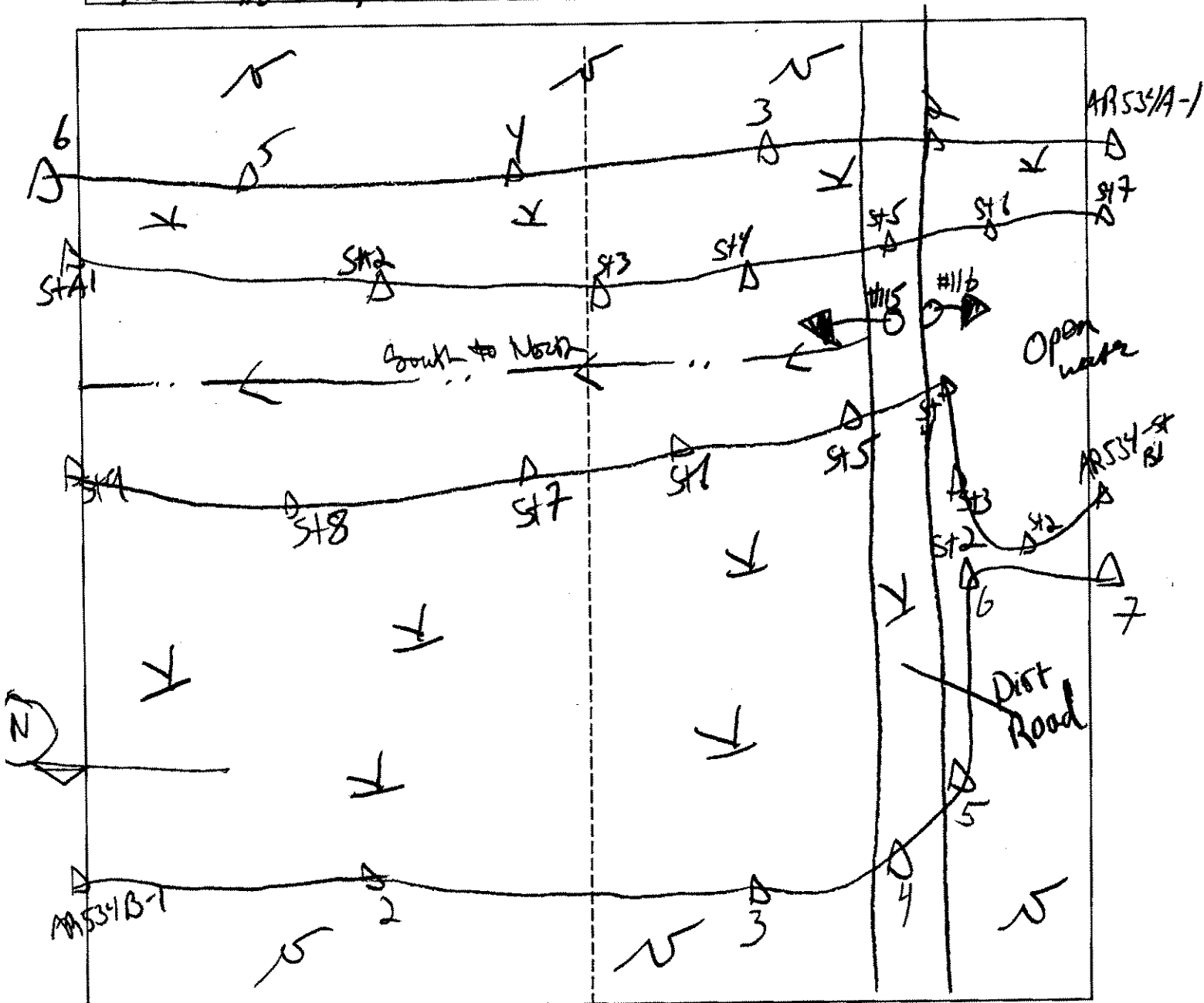
AR off 189 on Aitta Soell's property completed

- AR 539 A - isolated WL in road - possible PEM wetland
- AR 536 A/B - Not 100% certain of boundaries due to  
snow (5-6") Area collected > 1,000 ft
- AR 537 A/B - boundaries unclear due to snow
- AR 538 A - boundaries unclear due to snow  
especially Northern edge



SKETCH FORM

Wetland ID/Route #: <b>AR 534 A/B / SF-A/B</b>	Date: <b>12/6/05</b> <b>12/7/05</b>	Time: <b>14:00</b>
Initials of Delineators: <b>KH, BR</b>	Location: <b>Clinton Co.</b>	
Roll #: <b>15H</b>	Frames: <b>116 E, 115 W</b>	



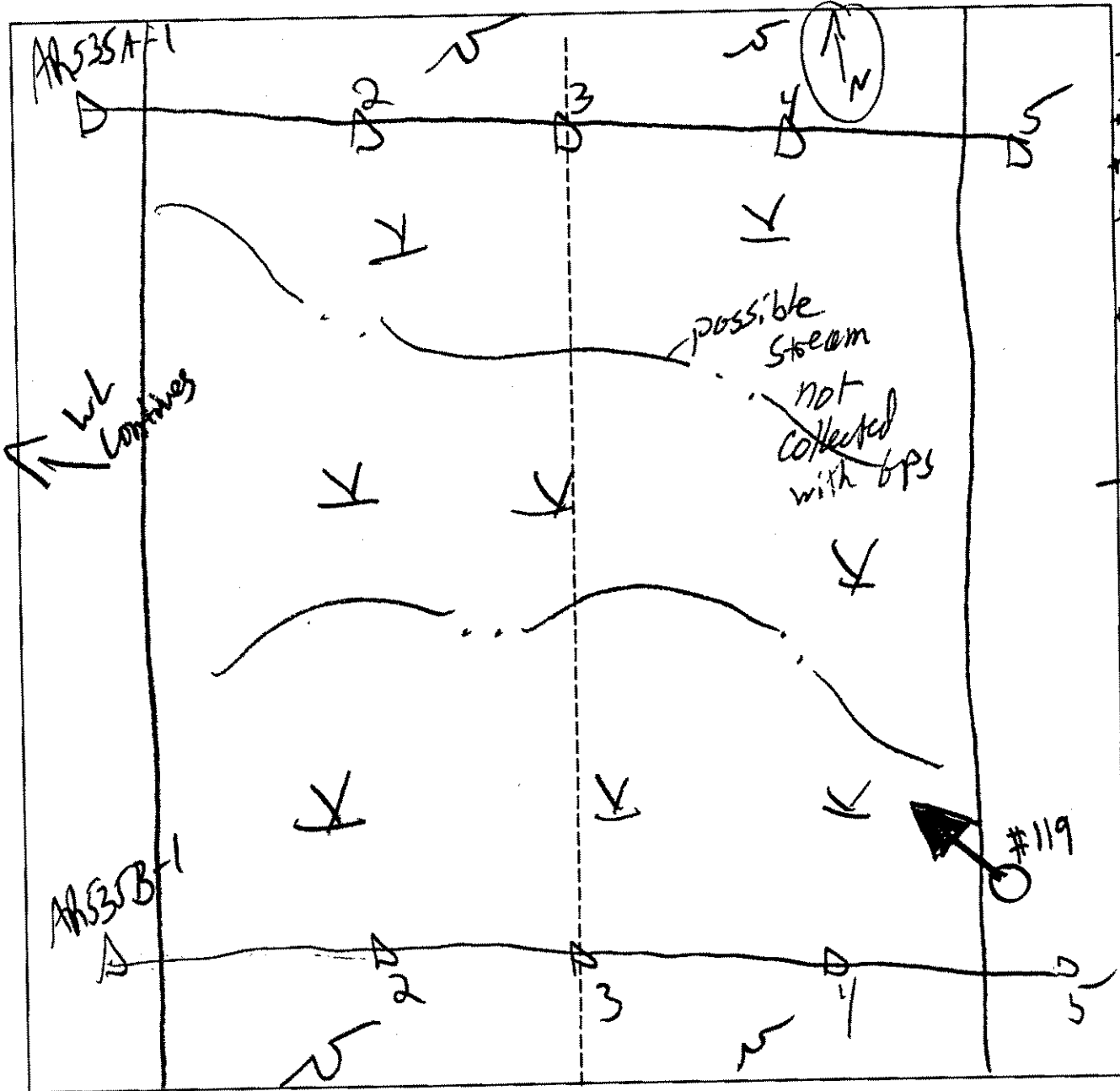
**Legend**

○➔	Photo Location/Direction	▽	Wetland
□	Sample Station <i>Pots - dominant</i>	U	Upland
---	Centerline <i>Alder, with sensitive ferns, low ID grasses &amp; sedges, hydrology is saturated soil, surface H<sub>2</sub>O hydrocarbon (mineral), water stem &amp; leaves</i>	—	Stream
▷	Flag	- . - .	Intermittent Stream
↑	North Arrow		

*hydro source, pond & stream (see Area form)*

SKETCH FORM

Wetland ID/Route #: AR 535 A/B	Date: 12/7/05	Time: 9:25 AM
Initials of Delineators: BR/KH	Location: Clinton Co.	
Roll #: KH      Frames: North 119		



PSS  
+ Alder  
+ Fir  
+ Red Maple  
+ sensitive Fern  
+ Braided Stream, pattern, w/w.l.  

---

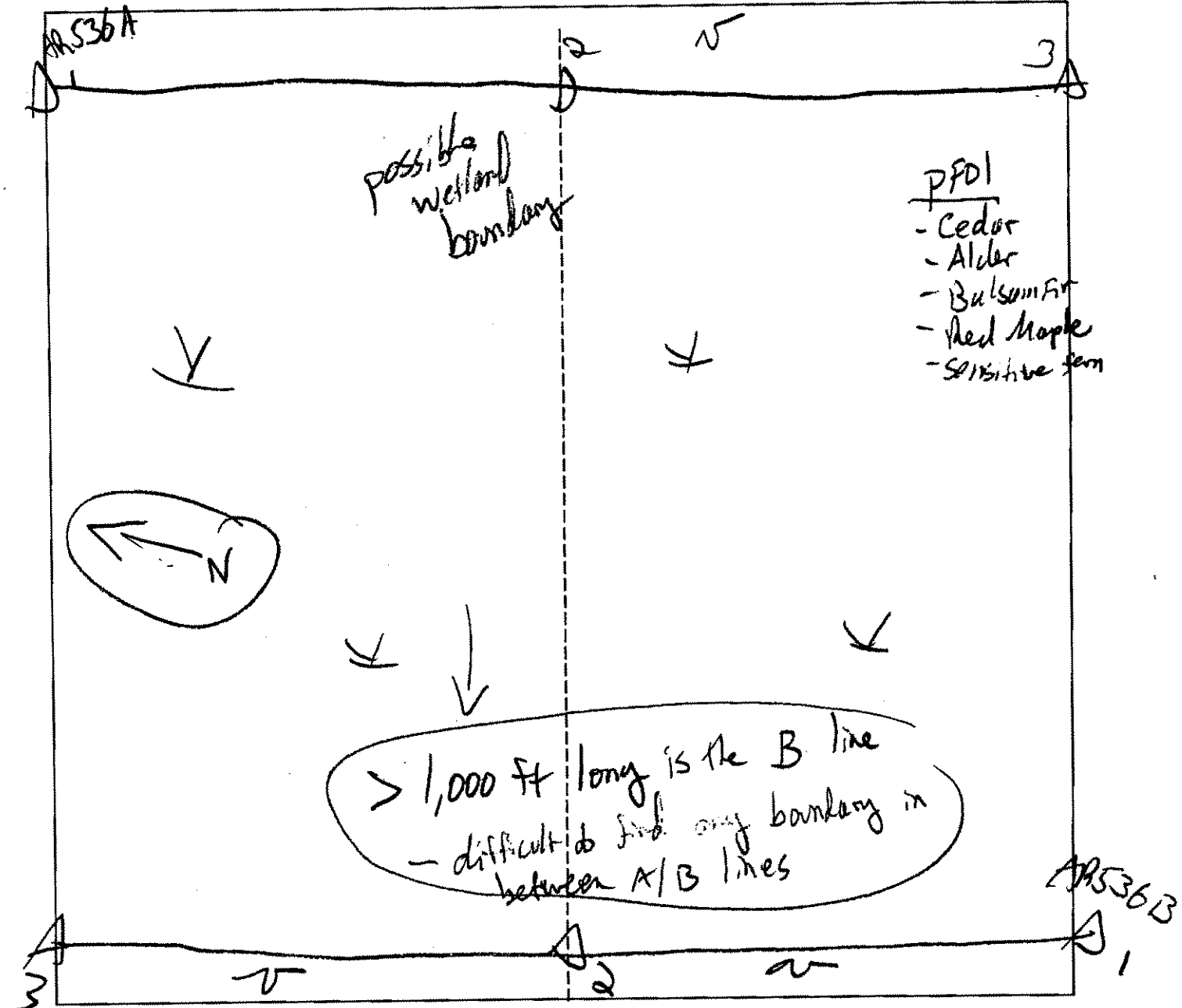
waters of 500B possible PGM W.L.

**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

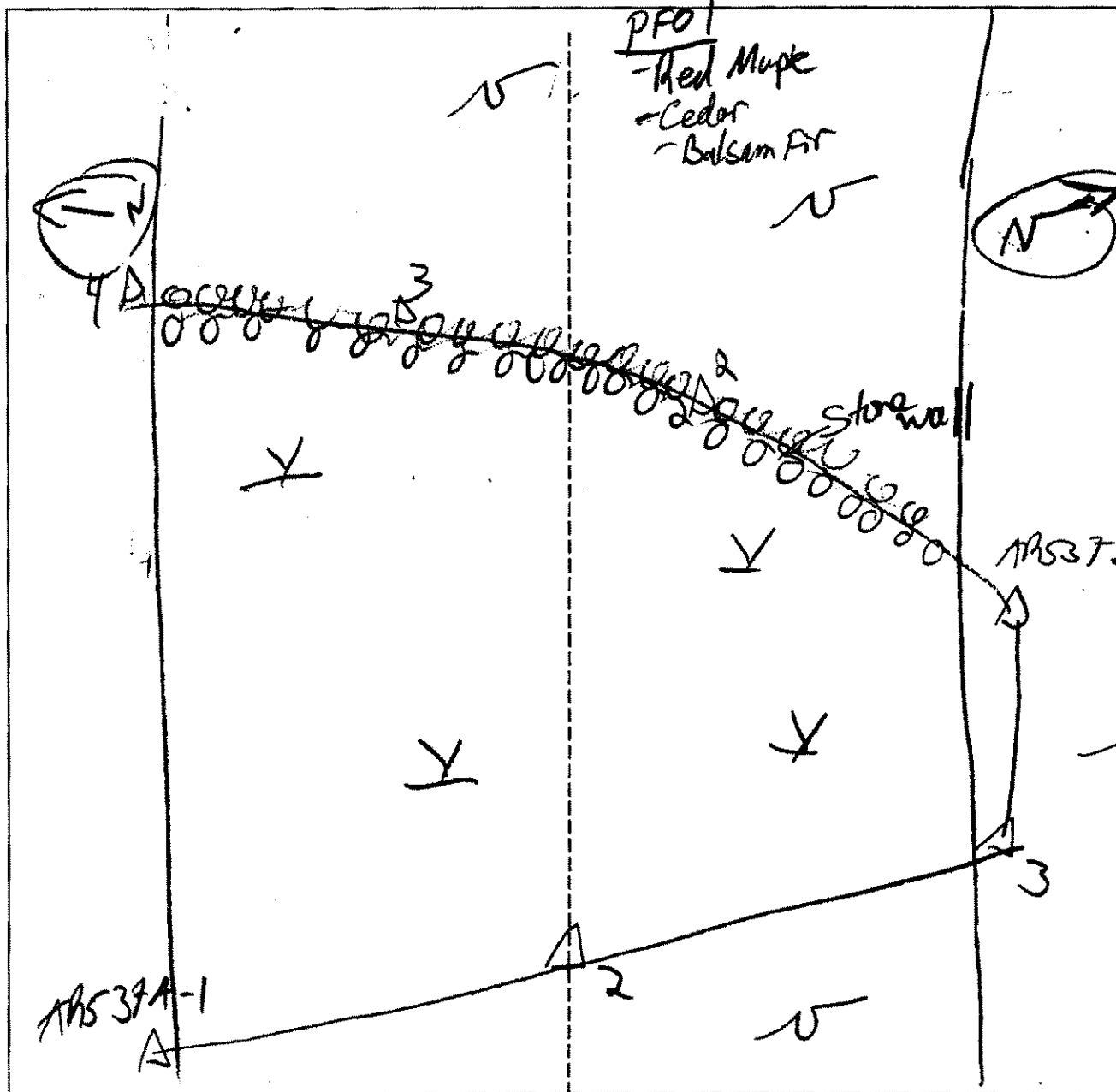
Wetland ID/Route #: <b>AR536 A/B</b>	Date: <b>12/7/05</b>	Time: <b>11:00</b>
Initials of Delineators: <b>SH, BR</b>	Location: <b>Clinton Co</b>	
Roll #:	Frames: <b>No photos - Boundaries uncertain</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

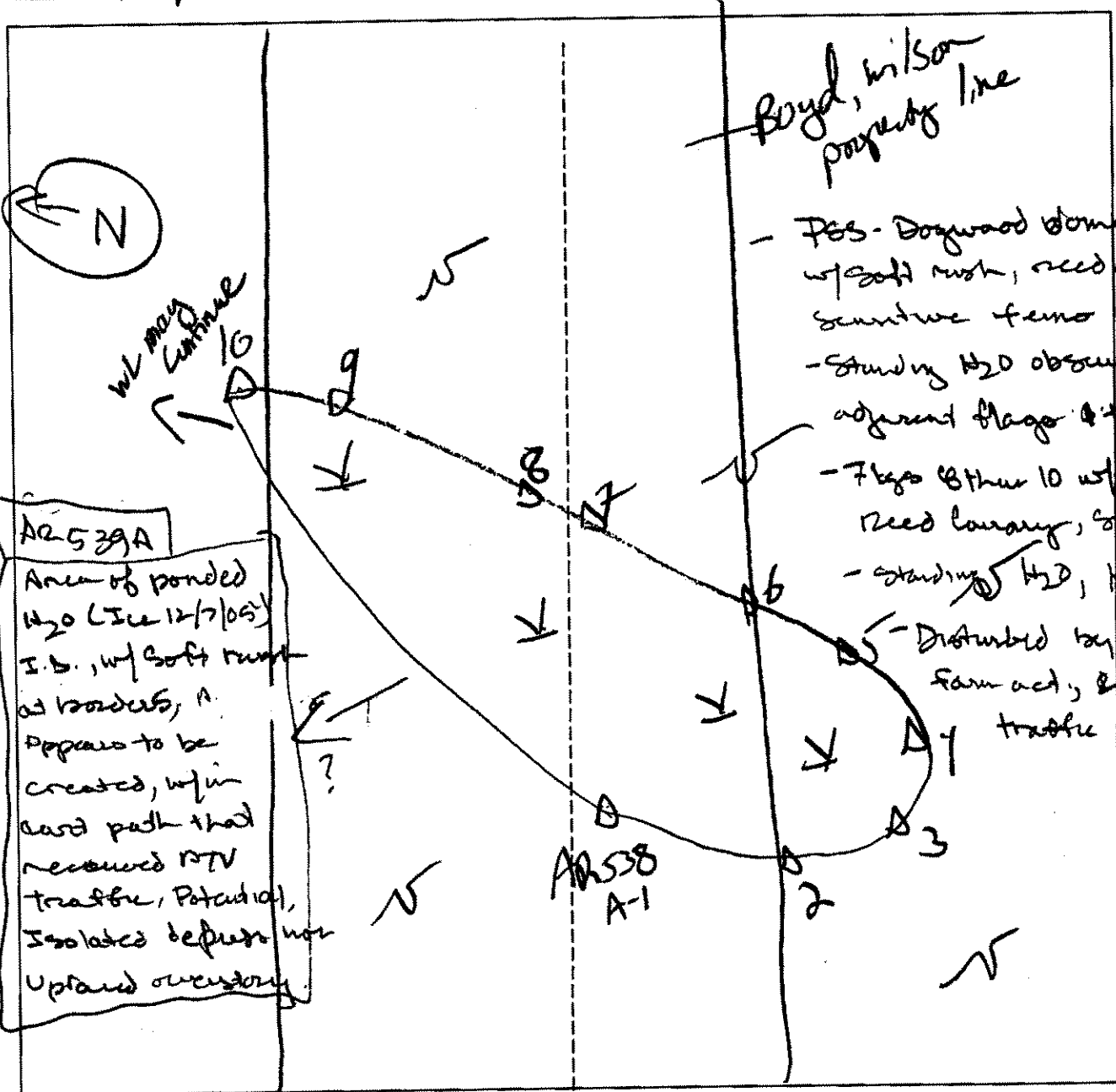
Wetland ID/Route #: <b>MS37A/B</b>	Date: <b>12/7/05</b>	Time: <b>11:30</b>
Initials of Delineators: <b>SA, BK</b>	Location: <b>Clinton Co.</b>	
Roll #: <b>No photos</b>	Frames: <b>Boundaries uncertain</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

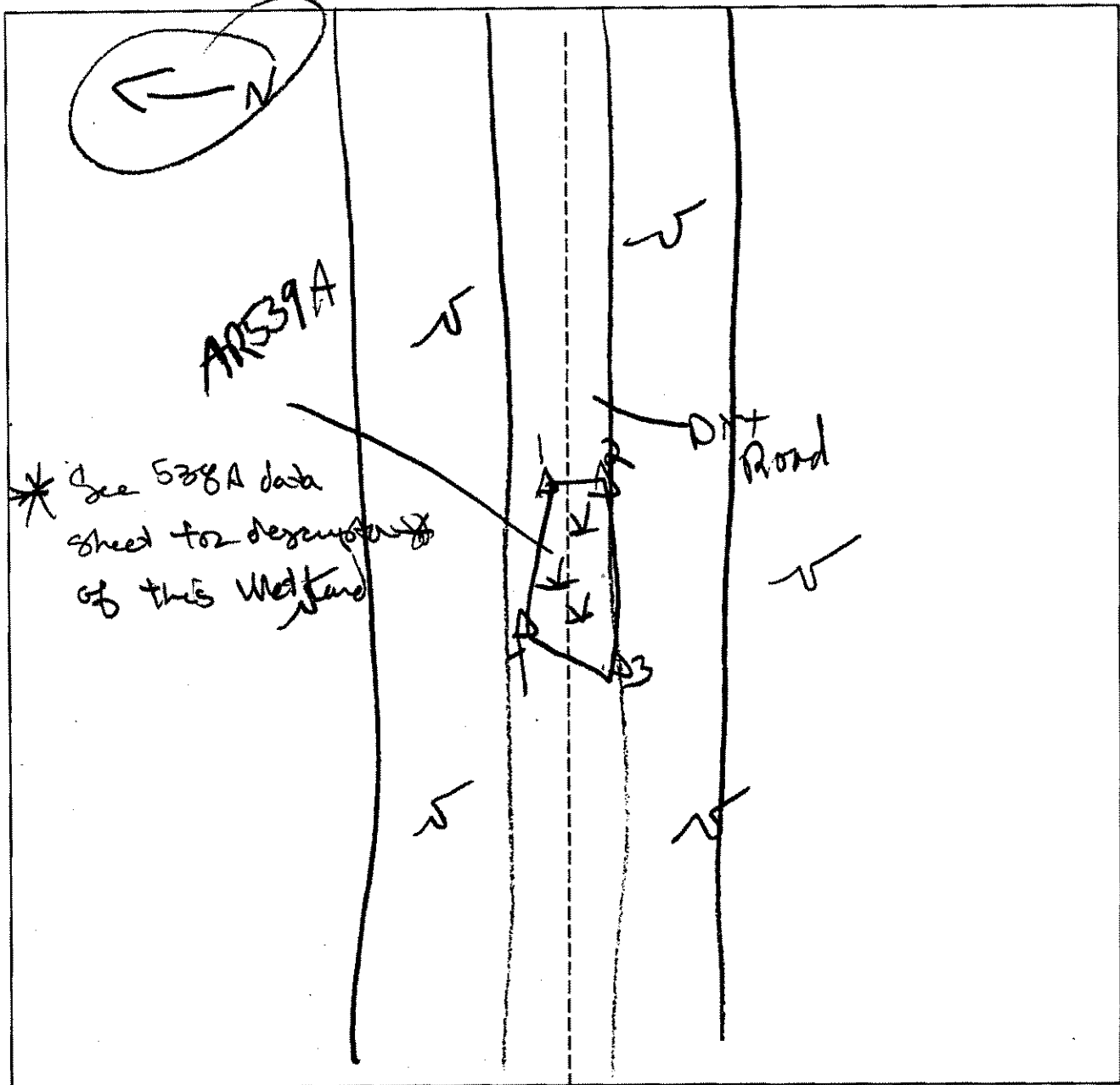
Wetland ID/Route #: <b>A2538 A</b>	Date: <b>12/7/05</b>	Time: <b>13:15</b>
Initials of Delineators: <b>ISH, BR</b>	Location: <b>Clinton Co.</b>	
Roll #: <b>No photos - landmarks unclear</b>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

SKETCH FORM

Wetland ID/Route #: AR 539 A	Date: 12/7/05	Time: 13:45
Initials of Delineators: KIL, BR	Location: Clinton, La. - off <sup>Route</sup> 189	
Roll #:	Frames: No photos - possibly not a wetland	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

AR 629 A/STA/STB Scrub shrub with PFO4 edge } Now cover!

- 1) Balsam poplar (edge)
- Red maple
- Yellow birch
- Slippery elm

Hydrology  
 - saturated  
 - ponded  
 - stream

Notes:  
 \* Went all the way to, and including WTG150W

- 2) Yellow
- Red osier dogwood

Upland indicators (by A line)  
 - Soils are good  
 - Topo

- 3) Scrag fern
- Cinnamon fern
- Sphagnum

AR 630 A/B PFO1 SNOW cover + FAC sp. Re-visit!

- 1) red maple
- Black cherry } leaves
- Aspen

Hydrology  
 - ponded areas  
 - water stained leaves

NOTE:  
 \* should be re-visited during season, fac sp., spotted etc...

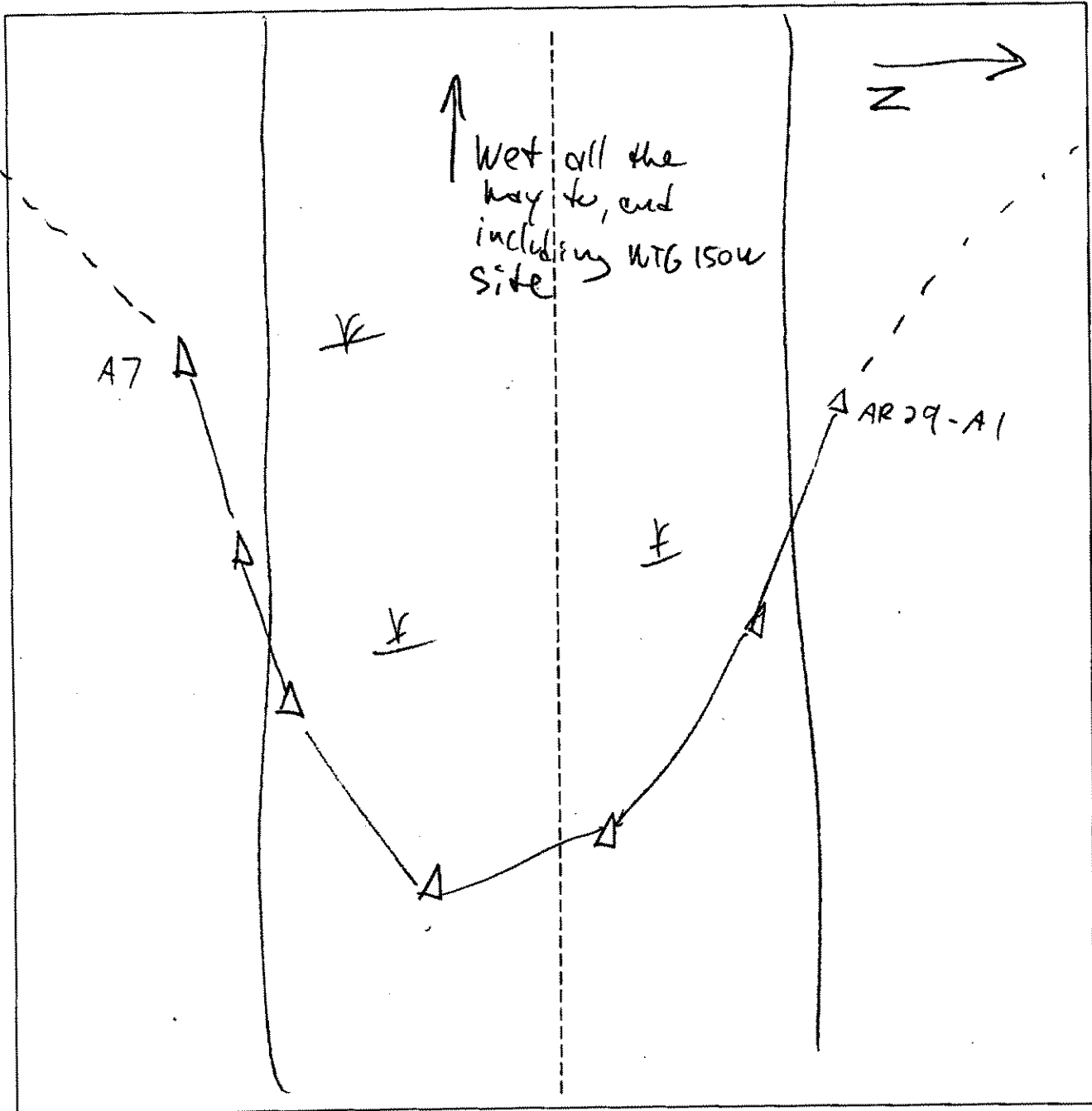
- 2) white red
- red osier dogwood } by A line
- red maple
- Spice labrador
- gray birch
- Rubus sp.

Upland indicators  
 - soil (spotted!)  
 - Cherry (Black cherry + pin)  
 - aspen  
 - Beech

- 3) Solidago sp.

SKETCH FORM

Wetland ID/Route #: <b>AR 629 A</b>	Date: <b>12-8-05</b> Time:
Initials of Delineators: <b>BQ</b>	Location: <b>Clinch</b>
Roll #:	Frames: <b>NO Picture</b>

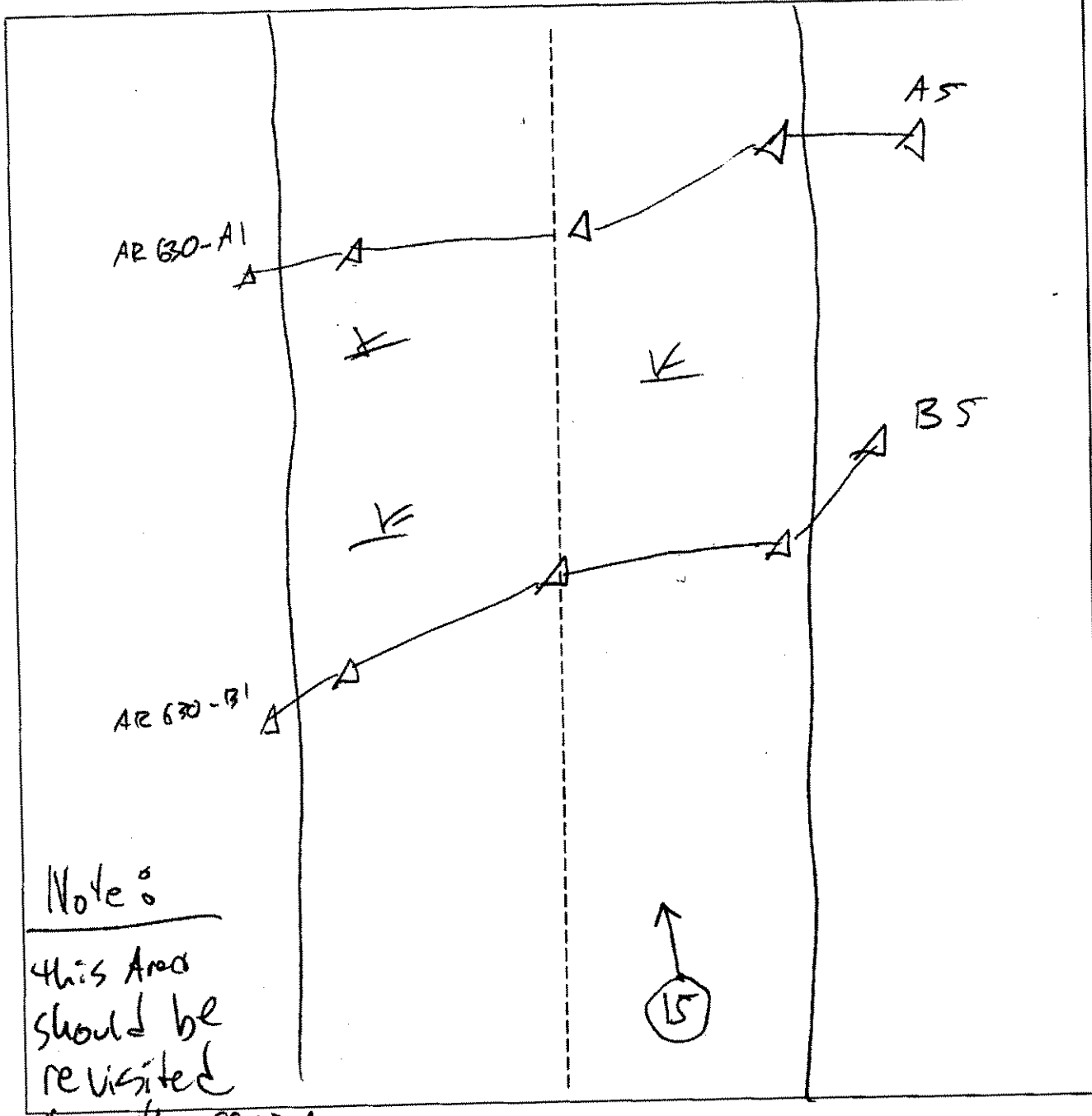


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR 630	Date: 12-8-05	Time:
Intials of Delineators: BQ	Location: Clinton NY	
Roll #: AMS <small>collected</small>	Frames: 15	



Note:  
 This Area  
 should be  
 revisited  
 during the season

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

12/8/05

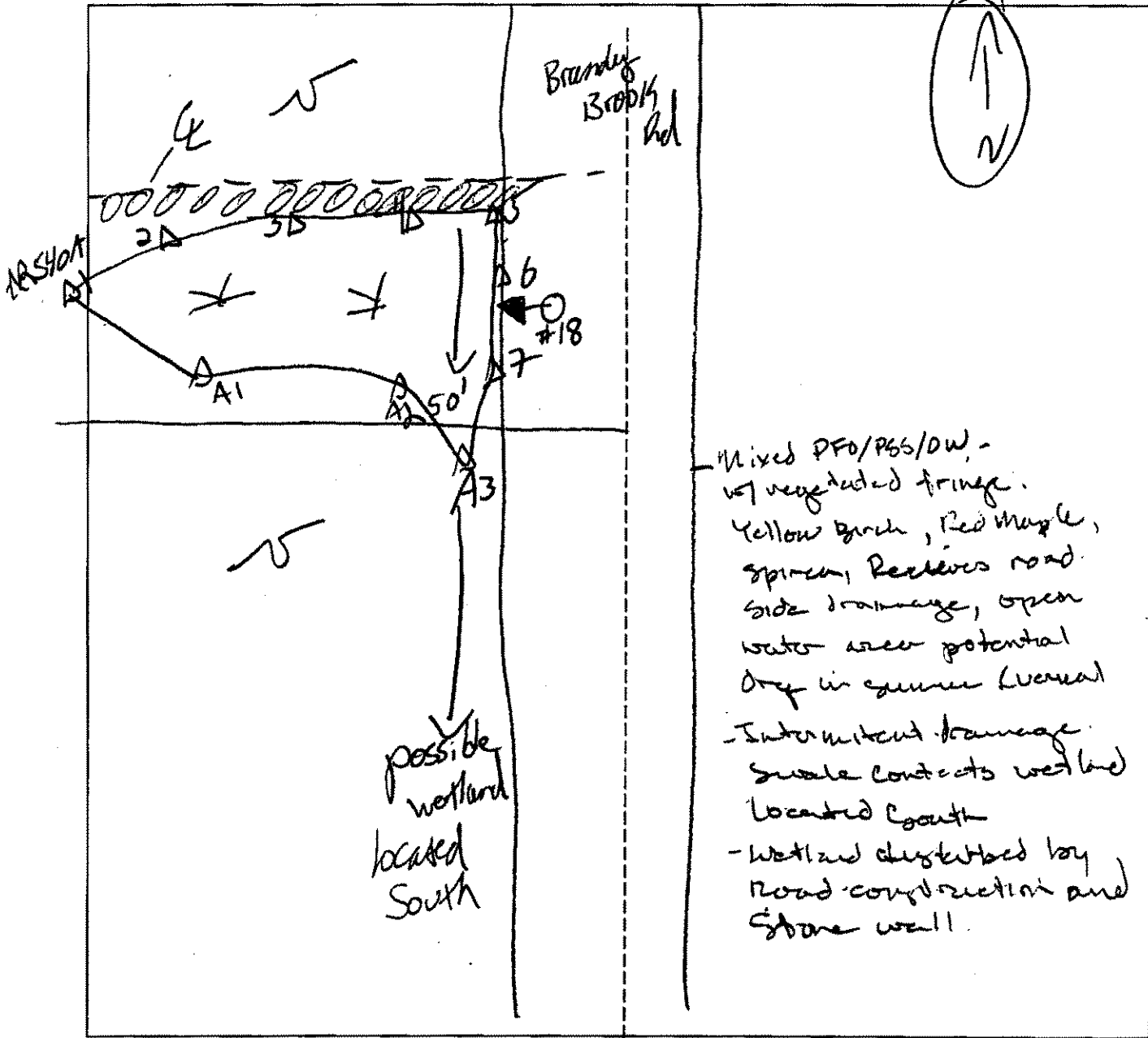
- Access Rd From Brandy Brook Rd to Wt 12 → 202  
has one wetland right along side of Brandy Brook Rd.
- Other than one wetland (small) - AR looks very good and high & dry whole length of Prow.
- Upland forest rest of the way

AR to 200 from Star Rd - High Bush Cranberry in ditch along western edge of Prow buffer.

- collected as stream AR541-A - needs to be verified in spring - 6 ft snow drifts covering it

SKETCH FORM

Wetland ID/Route #: <b>AR 540 A</b>	Date: <b>12/8/05</b>	Time: <b>10:00</b>
Initials of Delineators: <b>KH, BR</b>	Location: <b>Clinton Co. - off Brandy Brook Rd</b>	
Roll #: <b>KH</b>	Frames: <b>18 looks W</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

**STREAM DATA FORM**

PROJECT: Clinch, Co.  
 TURBINE: WT63  
 LOCATION: WT63  
 FIELD CREW: BQ / BR / KH

CLIENT: Horizon  
 DATE: 12-5-05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	WT63-5T		
NAME (or trib. to)	hobe		
PEREN/INTERMIT	int.		
WIDTH (obser/ohw)	3-4'		
DEPTH (obser/ohw)	6-8"		
FLOW RATE <sup>1</sup>	LOW		
FLOW DIRECTION	S → N		
SUBSTRATE	Mud		
BANK VEGETATION	olde ✓		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

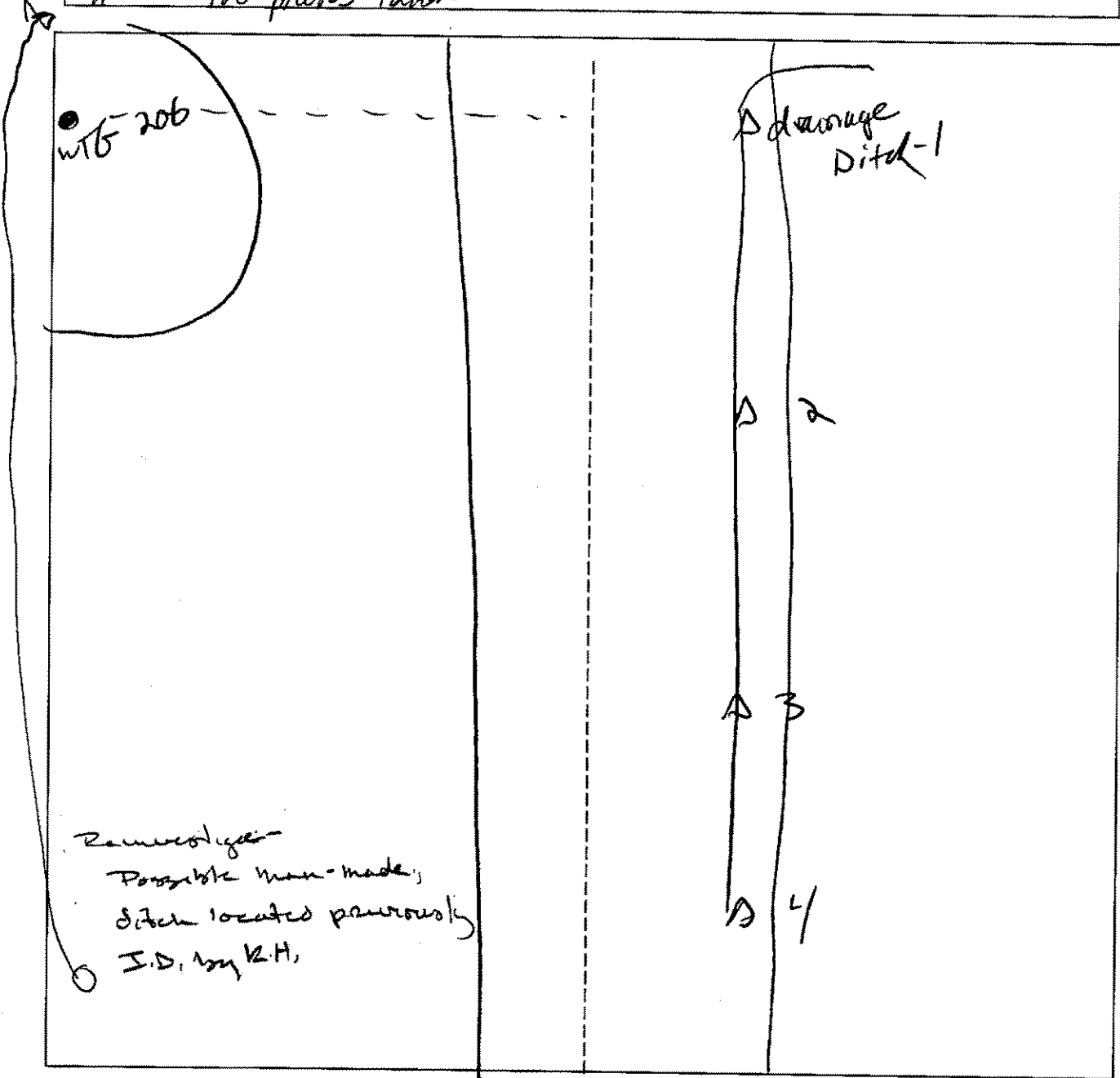
- deer tracks  
- wood pecker

**NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SKETCH FORM

Wetland ID/Route #: <i>WTB-206 - drainage ditch</i>	Date: <i>10/7/05</i>	Time: <i>15:40</i>
Initials of Delineators: <i>BR/KH</i>	Location: <i>Patrade Rd - Clinton Co</i>	
Roll #: <i>#</i>	Frames: <i>NO photos taken</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

STREAM DATA FORM

PROJECT: \_\_\_\_\_  
 TURBINE: SA / 174 Access Road  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: BQ

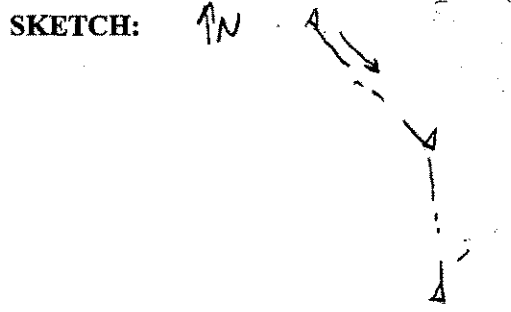
CLIENT: Horizon  
 DATE: \_\_\_\_\_  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

STREAM CROSSING DATA

D class on NYSDEC map

CHANNEL ID	AR624-ST	WT65A-ST	
NAME (or trib. to)	none	none	
PEREN/INTERMIT	int	likely perennial	
WIDTH (obser/ohw)	2-3'	3-4'	
DEPTH (obser/ohw)	6-12"	8-18"	
FLOW RATE <sup>1</sup>	low	Med	
FLOW DIRECTION	N → S	E → W	
SUBSTRATE	Mud	gravel + mud	
BANK VEGETATION	gray birch / Redstart	alder / grasses	

<sup>1</sup> = Dry/Stagnant/Low/Medium/High



D

FISH AND WILDLIFE OBSERVATIONS

\_\_\_\_\_ Deer sign  
 \_\_\_\_\_  
 \_\_\_\_\_

NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STREAM DATA FORM**

PROJECT: Clinton Wind Farm  
 TURBINE: closest is 65  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: SR KH JA

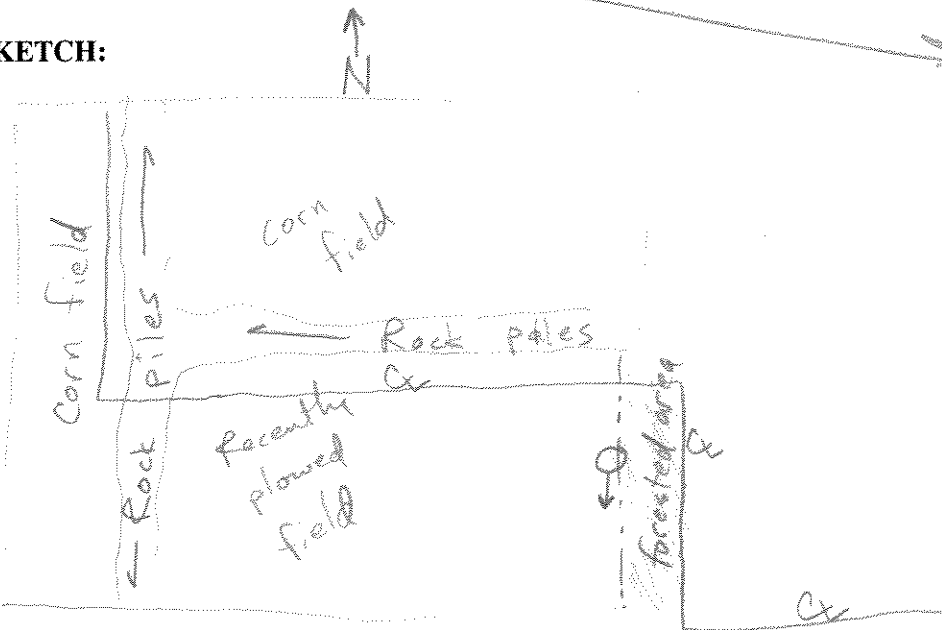
CLIENT: Horizon  
 DATE: 10-5-05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	ARST-1		
NAME (or trib. to)	unnamed		
PEREN/INTERMIT	intermittant		
WIDTH (obser/ohw)	12 to 18 in		
DEPTH (obser/ohw)	12 in		
FLOW RATE <sup>1</sup>	dry		
FLOW DIRECTION	South		
SUBSTRATE	cobble		
BANK VEGETATION			

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



Aster juncifolia  
 Solidago rigosa  
 B. populifolia  
 Spiraea latifolia  
 Rubus alleghaniensis  
 Willow spp.

**FISH AND WILDLIFE OBSERVATIONS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

Intermittant drainage located in shrubby area  
bordering farm fields.



TETRA TECH

SUBJECT Zikla Clinton  
Wetland Delin

PROJECT Ellens Bay

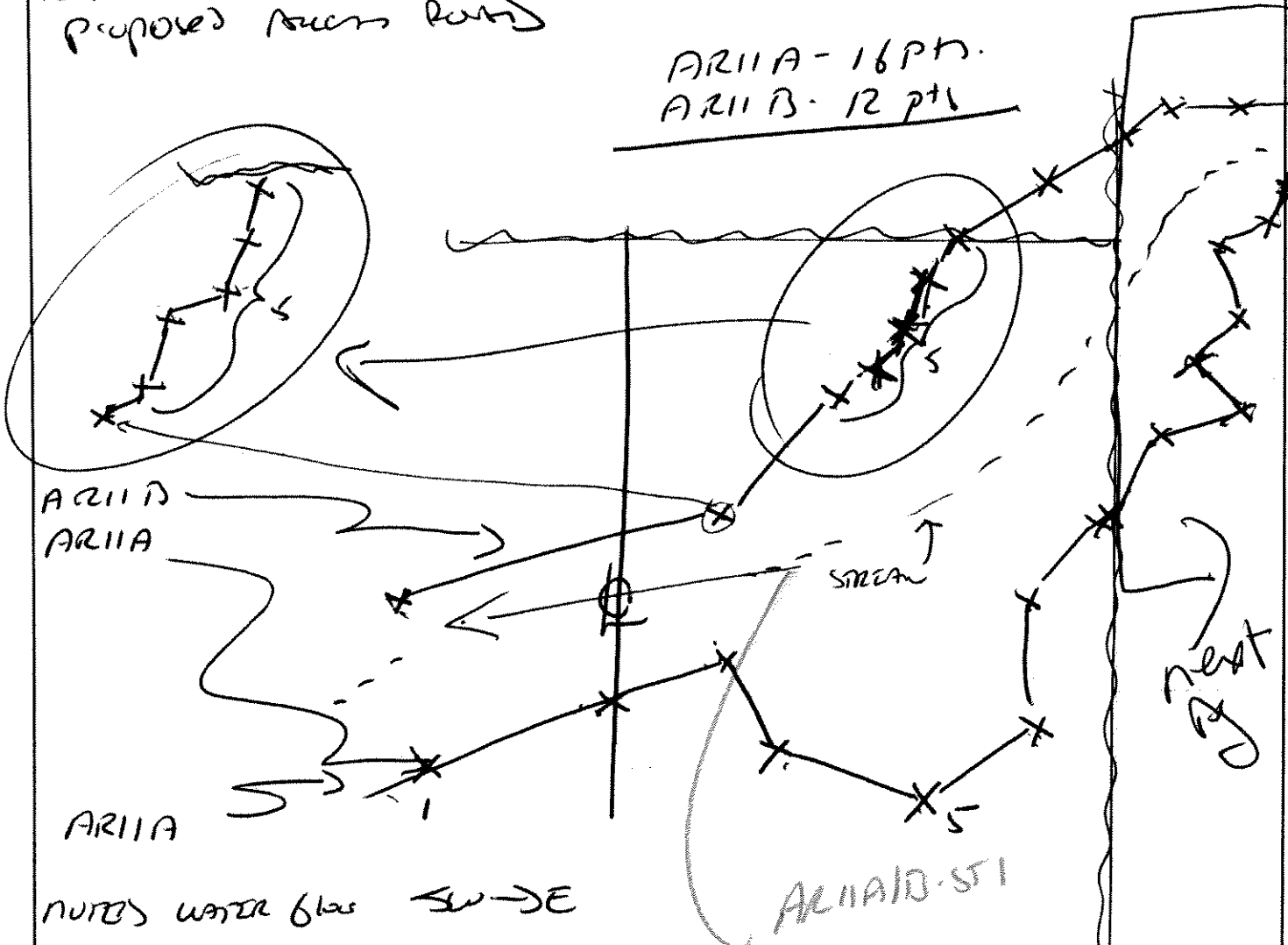
TCP NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/30/15 PAGE 4 OF 10 PAGES

1030 - Returned to last photo to ID  
1040 - AT TURNING to location - Entered Suck Along  
Proposed Access Road

AR11A - 16 pts.  
AR11B - 12 pts



VEG:

553

- New York mtn H
- Sky Rul H
- STEEplehol S
- DK grn tall Rul H
- meadow suct S
- Narrow goldenrod H
- Jewelweed H
- Arrowweed TACH H
- Unknown Herb H

- willow herb (P. sp.) H
- Quercus cinnifolia H
- ~~meadow herb~~ H
- L. n. A. (d. l. c.) H
- water penny? cren? H
- Amer elm T1 S
- Silky willow S
- Sewie hay S
- Dark willow S

← Fence  
Penny weed





TETRA TECH

SUBJECT Zilkha Creek

Wetland Delin

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Elm Tree

TC/P NO. \_\_\_\_\_

DATE 9/13/05 PAGE 5 OF 10 PAGES

### AR11A/B-ST1

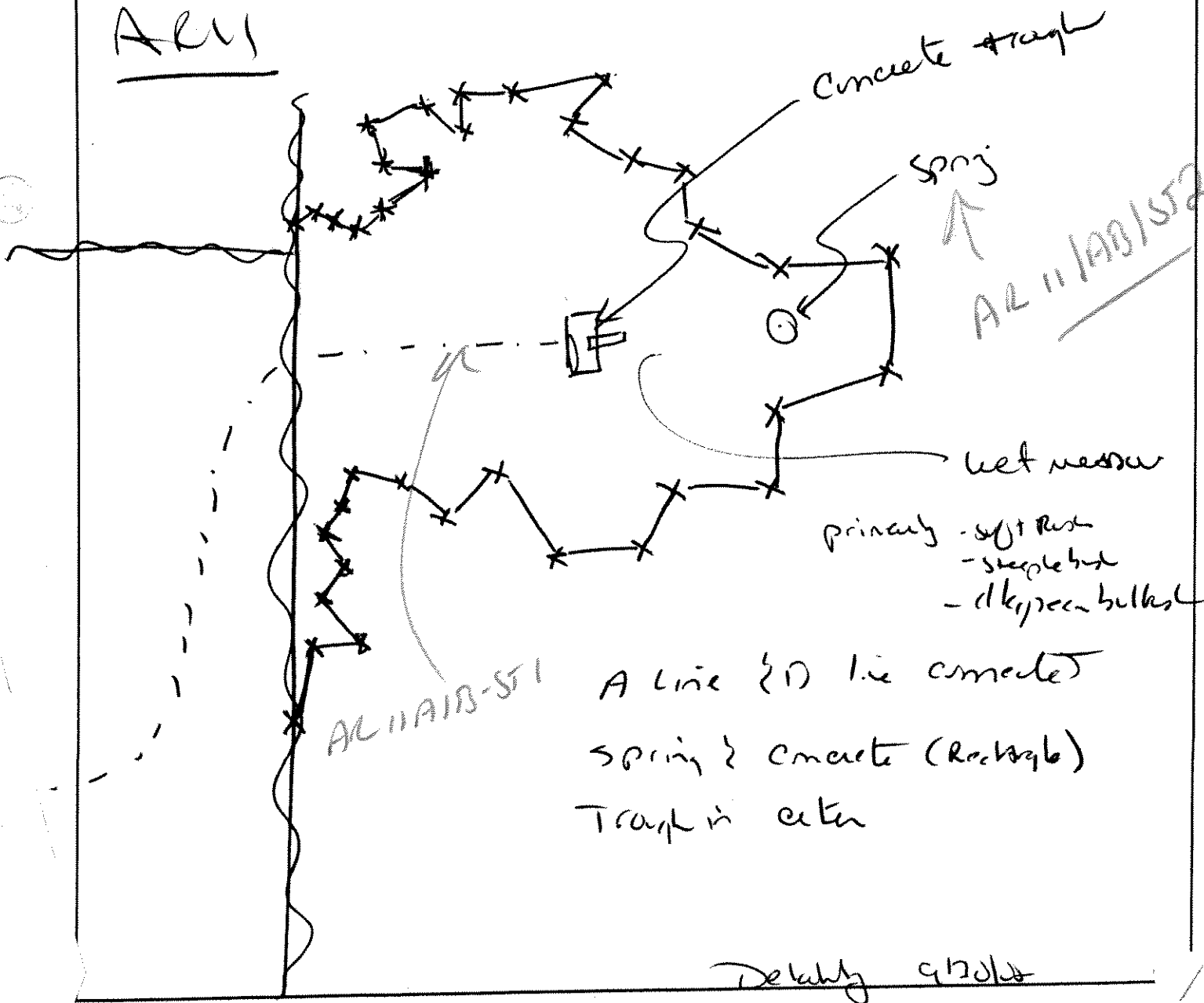
STREAM slow to moderate flow to east

- sandy silt loam substrate
- ~ 1.5' wide
- up to 4' deep

more dense to west as trees wetland more dense

Primarily a poor wetland w/ scrub shrub at periphery  
Some scattered American elm

### AR11

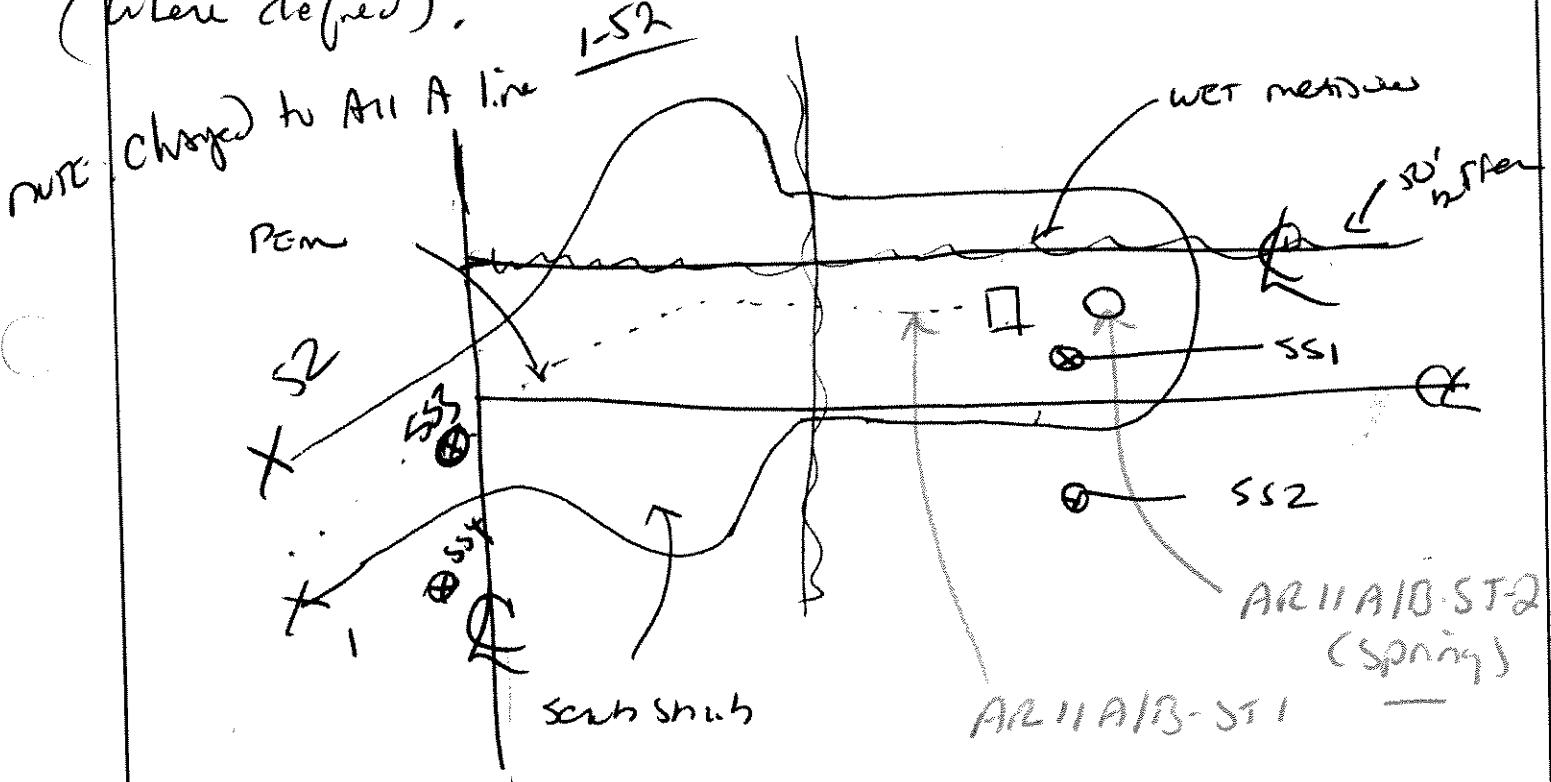


A line (D) line concrete  
Spring & concrete (Rocky) b  
Track in center

Delaney 9/13/05

AR11

- Topo in upper part of wetland by spring gently slope to SE then flattens out
- veg in upper part (wetland). Dominated by Steep hill, DK green bullrush & soft rush in lower part more diversity - shrubs limited to periphery & along stream (where defined).



- SS1 -  
 LEG: - CAREX sp  
 - J. Egges  
 - DK. in bullrush  
 - Steep hill  
 - Common plantain  
 - Buttercup  
 - narrow leaved yellow rod  
 - Flat topped Aster  
 \* Oxidized Rhizosphaera

So. 11"	Hor. 11"
0-9	10YR 3/1 silt clay loam *
9-18	10YR 5/2 silty sand w/
	10YR 5/6 mottles
	prominent / max / many
	- SANDY silt
	- AT 0"

Deliberate, 9/20/05

**STREAM DATA FORM**

PROJECT: Clinton County Wetland  
 TURBINE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: GG, JG, KH

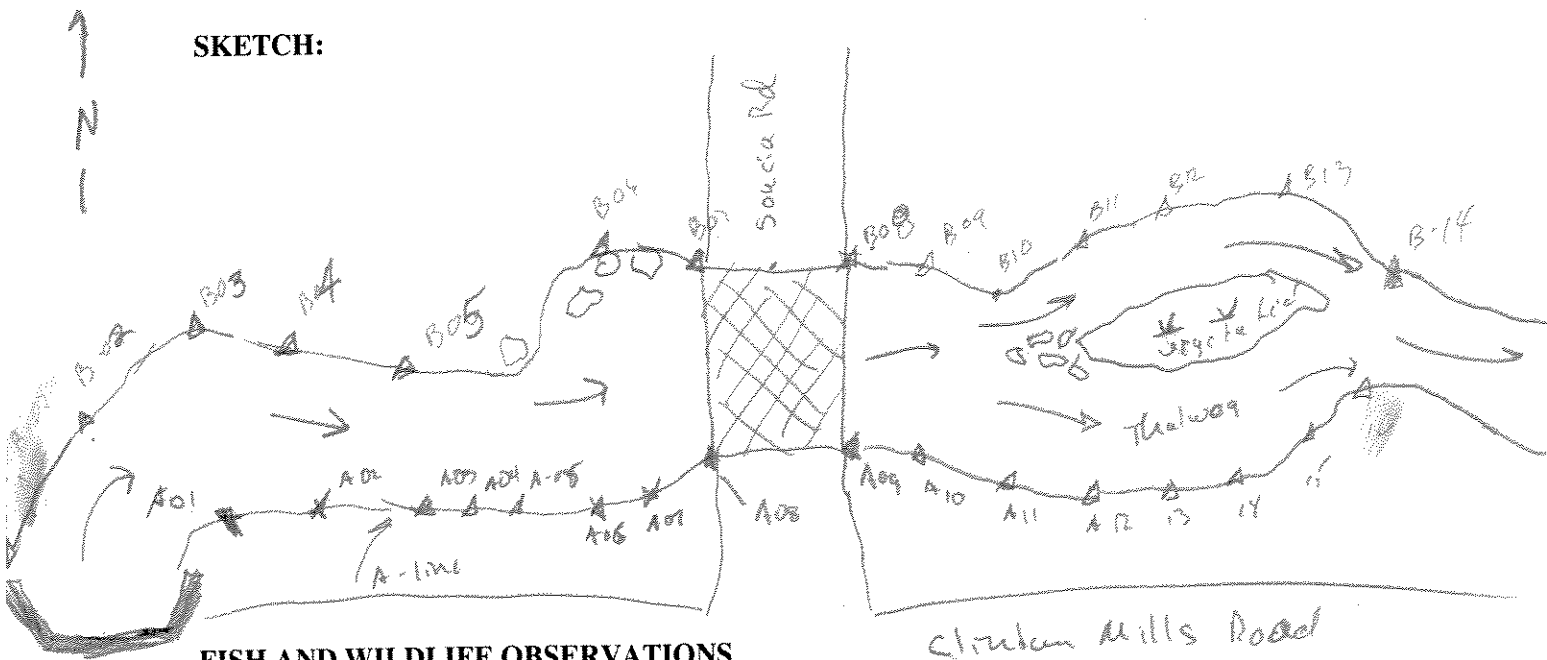
CLIENT: Horizon  
 DATE: 10/17/05  
 ROLL NO: G-cgs Digital  
 FRAMES: 33 + 34

**STREAM CROSSING DATA**

CHANNEL ID	Sagecia stream 1		
NAME (or trib. to)	Un named		
PEREN/INTERMIT	Perennial		
WIDTH (obser/ohw)	21 feet / 21 feet		
DEPTH (obser/ohw)	2+ foot		
FLOW RATE <sup>1</sup>	710 fps		
FLOW DIRECTION	Easterly		
SUBSTRATE	cobble/boulder		
BANK VEGETATION	Forested		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

Stream in spate, wetland fringing inundated above  
 OHW mark - not wadable  
 stream crossing is immediately adjacent to Clinton Mills road ~ 50ft north

**STREAM DATA FORM**

PROJECT: Clinton Co.  
 TURBINE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: KH, GD

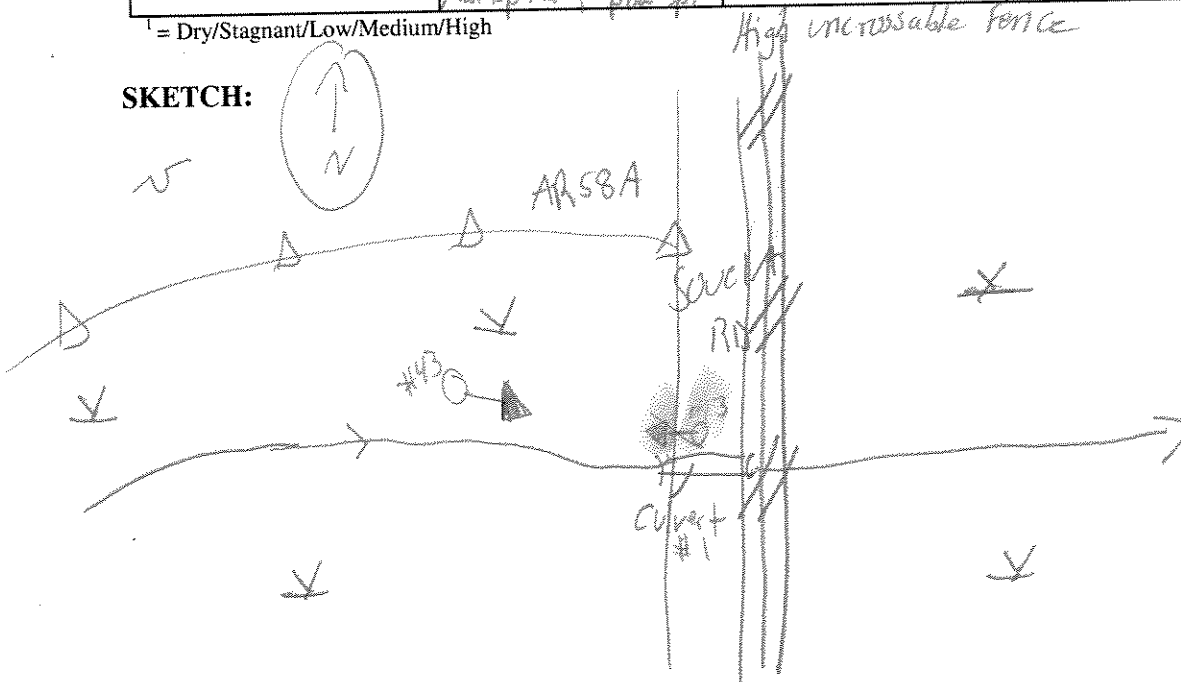
CLIENT: Horizon  
 DATE: 10/18/05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: #43, Gregg's Camera

**STREAM CROSSING DATA**

CHANNEL ID	AR58/AR58A/1		
NAME (or trib. to)	unknown		
PEREN/INTERMIT	Intermittent		
WIDTH (obser/ohw)	3-5'		
DEPTH (obser/ohw)	>6"		
FLOW RATE <sup>1</sup>	Low		
FLOW DIRECTION	East		
SUBSTRATE	SAND/Gravel		
BANK VEGETATION	Flat top tree, siltily willow, poplar sp.		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

Heavy rains within last 24 hours - Intermittent streams  
Low flow

**STREAM DATA FORM**

PROJECT: Clinton Co.  
 TURBINE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: GD, KA

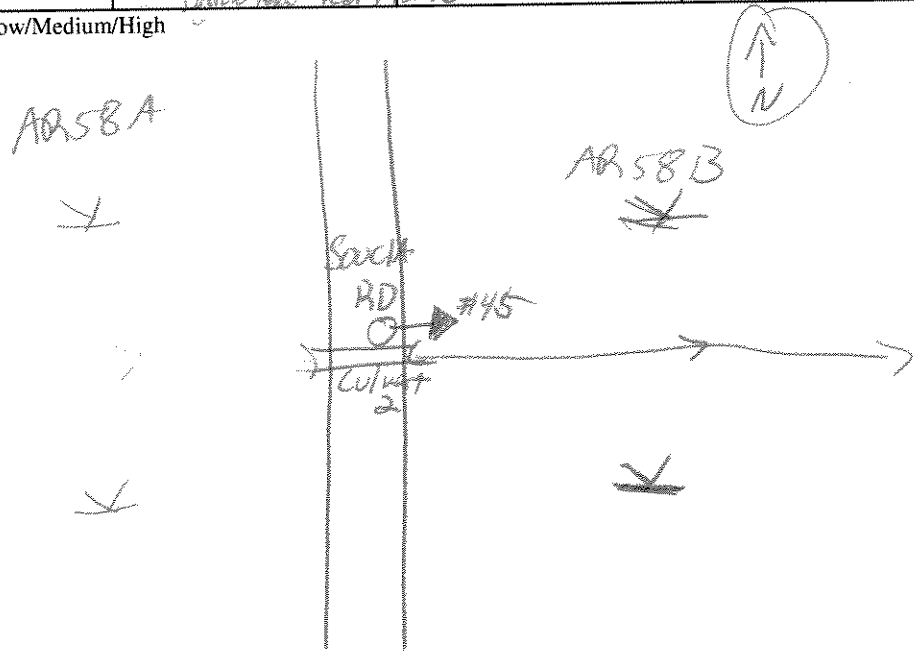
CLIENT: Horizon  
 DATE: 10/18/05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: GoPro's Camera #45

**STREAM CROSSING DATA**

CHANNEL ID	<u>AR58B St 2</u>		
NAME (or trib. to)	<u>unknown</u>		
PEREN/INTERMIT	<u>Intermit</u>		
WIDTH (obser/ohw)	<u>3-5'</u>		
DEPTH (obser/ohw)	<u>≥ 6 in</u>		
FLOW RATE <sup>1</sup>	<u>Low</u>		
FLOW DIRECTION	<u>EAST</u>		
SUBSTRATE	<u>Gravel</u>		
BANK VEGETATION	<u>cedar, soft pine, yellow pine, locust, hump</u>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

one frog in road puddle  
ravens  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

recent heavy rainfall causing low flow in intermit stream  
 \_\_\_\_\_  
 \_\_\_\_\_

**STREAM DATA FORM**

PROJECT: \_\_\_\_\_  
 TURBINE: \_\_\_\_\_  
 LOCATION: Clinton Co.  
 FIELD CREW: KH, GD

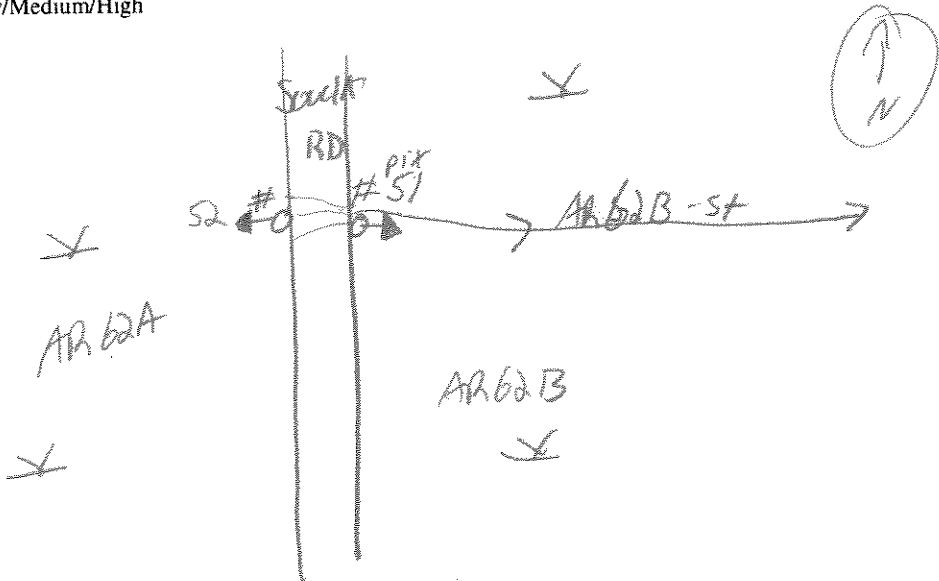
CLIENT: Horizon  
 DATE: 10/19/05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: 51, 52 Gregg's Camera

**STREAM CROSSING DATA**

CHANNEL ID	AR62B-st		
NAME (or trib. to)	Unknown		
PEREN/INTERMIT	Intermit		
WIDTH (obser/ohw)	3-5'		
DEPTH (obser/ohw)	6-8 inches		
FLOW RATE <sup>1</sup>	Med.		
FLOW DIRECTION	East		
SUBSTRATE	Gravel		
BANK VEGETATION	red canopy bank willow		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

recent rainfall within last 72 hours  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STREAM DATA FORM**

PROJECT: Clinton Co.

CLIENT: \_\_\_\_\_

TURBINE: \_\_\_\_\_

DATE: 10/18/05

LOCATION: \_\_\_\_\_

ROLL NO: \_\_\_\_\_

FIELD CREW: KH, GD, JB

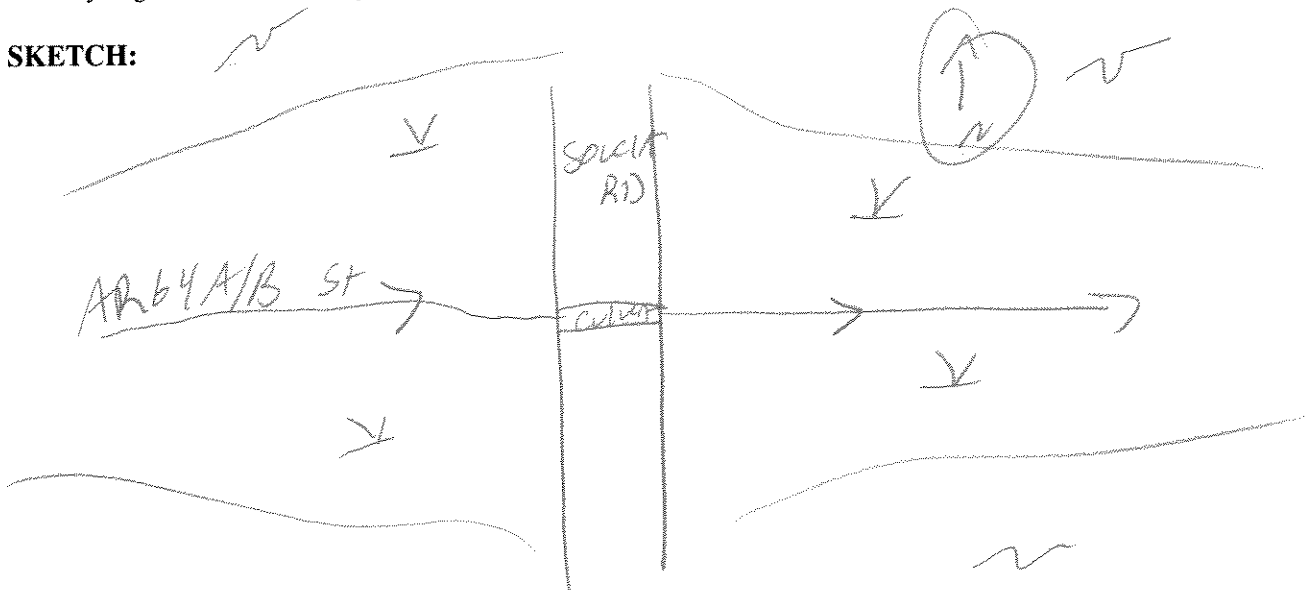
FRAMES: #54 west  
#55 East

**STREAM CROSSING DATA**

CHANNEL ID	<u>AR64A/B-ST</u>		
NAME (or trib. to)	<u>Unknown</u>		
PEREN/INTERMIT	<u>Interm.</u>		
WIDTH (obser/ohw)	<u>5-8'</u>		
DEPTH (obser/ohw)	<u>avg 6 inches</u>		
FLOW RATE <sup>1</sup>	<u>Low</u>		
FLOW DIRECTION	<u>East</u>		
SUBSTRATE	<u>Blun Muck</u>		
BANK VEGETATION	<u>Cowboy Head Grass</u> <u>Poa Palustris</u>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

one frog  
one vole  
ravens  
Blue Jay

**NOTES**

recent rainfall in last 12 hours

**STREAM DATA FORM**

PROJECT: Clinton Co.

CLIENT: Horizon

TURBINE: \_\_\_\_\_

DATE: 10/20/05

LOCATION: \_\_\_\_\_

ROLL NO: 5

FIELD CREW: KH, RD, JG

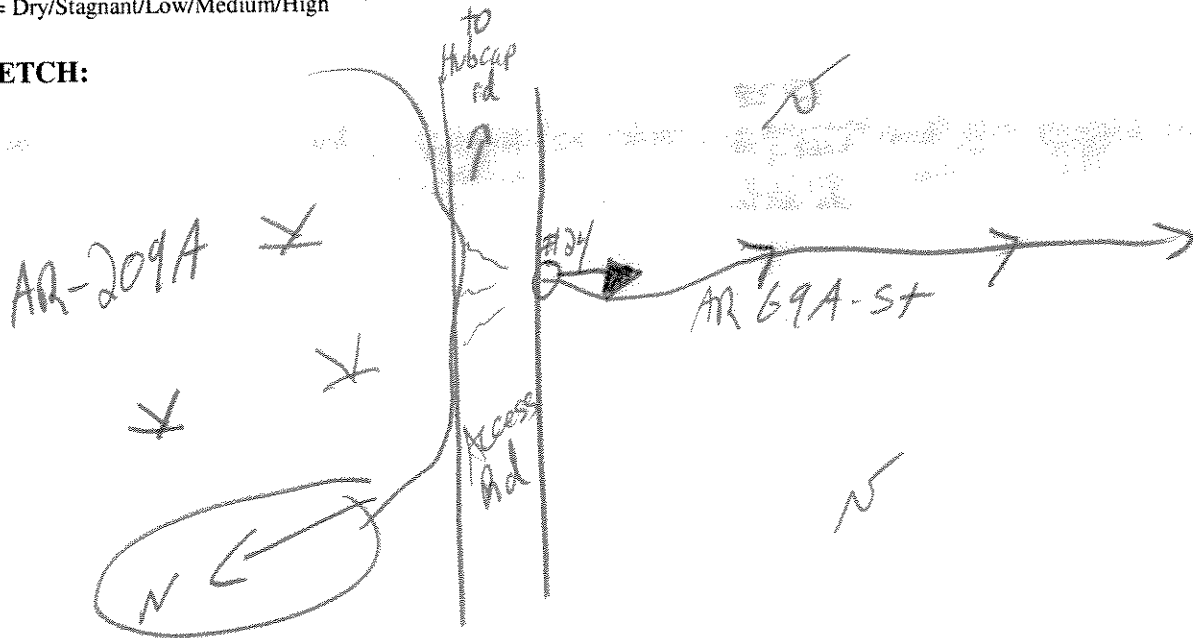
FRAMES: 24

**STREAM CROSSING DATA**

CHANNEL ID	AR 69A-ST1		
NAME (or trib. to)	Unknown		
PEREN/INTERMIT	Peren		
WIDTH (obser/ohw)	2-3'		
DEPTH (obser/ohw)	5-6"		
FLOW RATE <sup>1</sup>	stagnant		
FLOW DIRECTION	S SW		
SUBSTRATE	MUCK		
BANK VEGETATION	Poa sp, <sup>saliduro</sup> canadensis		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

one frog

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTES**

AR209A

- Draining under road from wetland N. of road

- sulfidic odor

\_\_\_\_\_

\_\_\_\_\_



**STREAM DATA FORM**

PROJECT: Clinton Co.  
 TURBINE: 9, 10  
 LOCATION: X  
 FIELD CREW: HA, A/S

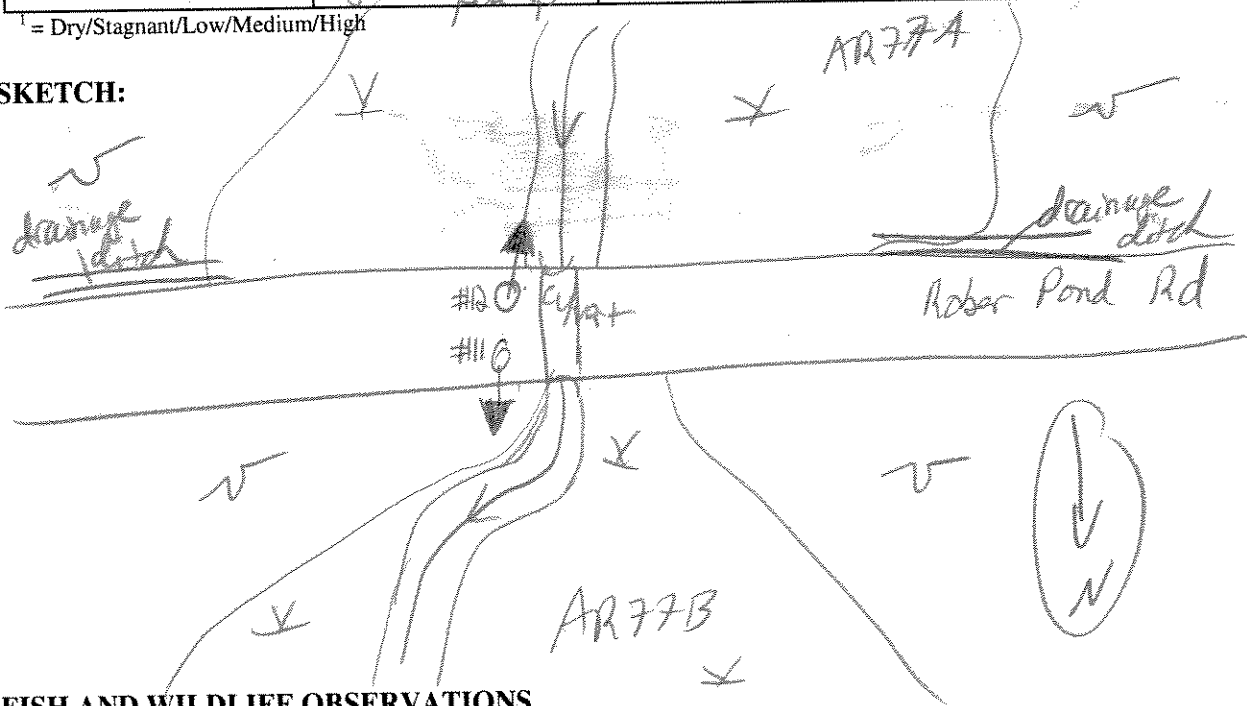
CLIENT: Horizon  
 DATE: 10/22/05  
 ROLL NO: 5  
 FRAMES: 12, 11  
 South facing North facing

**STREAM CROSSING DATA**

CHANNEL ID	AR77A/B-ST		
NAME (or trib. to)	unknown		
PEREN/INTERMIT	Peren		
WIDTH (obser/ohw)	5'		
DEPTH (obser/ohw)	8"		
FLOW RATE <sup>1</sup>	Medium		
FLOW DIRECTION	North		
SUBSTRATE	Sand/gravel		
BANK VEGETATION	Dogwood, Pant cottonwood, prairie sp.		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

2 Blue Jays

**NOTES**

wetlands AR77A/B Hydrologically connected by  
 culvert

**STREAM CROSSING DATA FORM**

AR078-ST

PROJECT: CLINTON CO.  
 TURBINE: 9, 10  
 LOCATION: ROBERS ROAD  
 FIELD CREW: AK KH

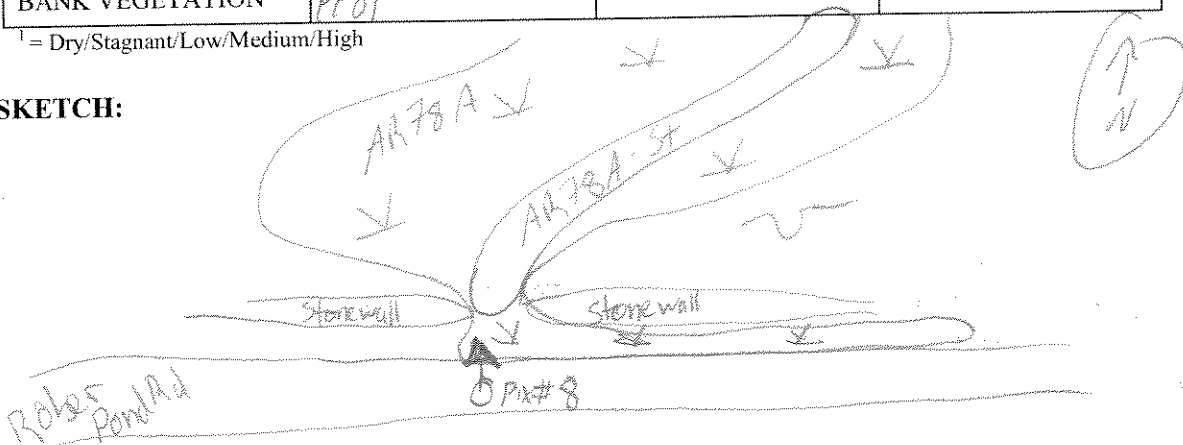
CLIENT: HORIZON  
 DATE: 10/23/05  
 ROLL NO: 5  
 FRAMES: 8

**STREAM CROSSING DATA**

CHANNEL ID	AR078-ST		
NAME (or trib. to)	<del>#</del> unknown		
PEREN/INTERMIT	INTERMIT		
WIDTH (obser/ohw)	6' / 7'		
DEPTH (obser/ohw)	2' / 3'		
FLOW RATE <sup>1</sup>	STAGNANT		
FLOW DIRECTION	unknown		
SUBSTRATE	SILT / LEAVES		
BANK VEGETATION	PFO		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

MAN-MADE TRENCH CHANNELS WATER FROM DRAINAGE  
 TRENCH ARE ON N SIDE OF ROBERS ROAD INTO PFO

STREAM CROSSING DATA FORM

AR 79A/B-92

PROJECT: Clinton Co.  
 TURBINE: 9, 10  
 LOCATION: Robert Pond Rd  
 FIELD CREW: BH, AK

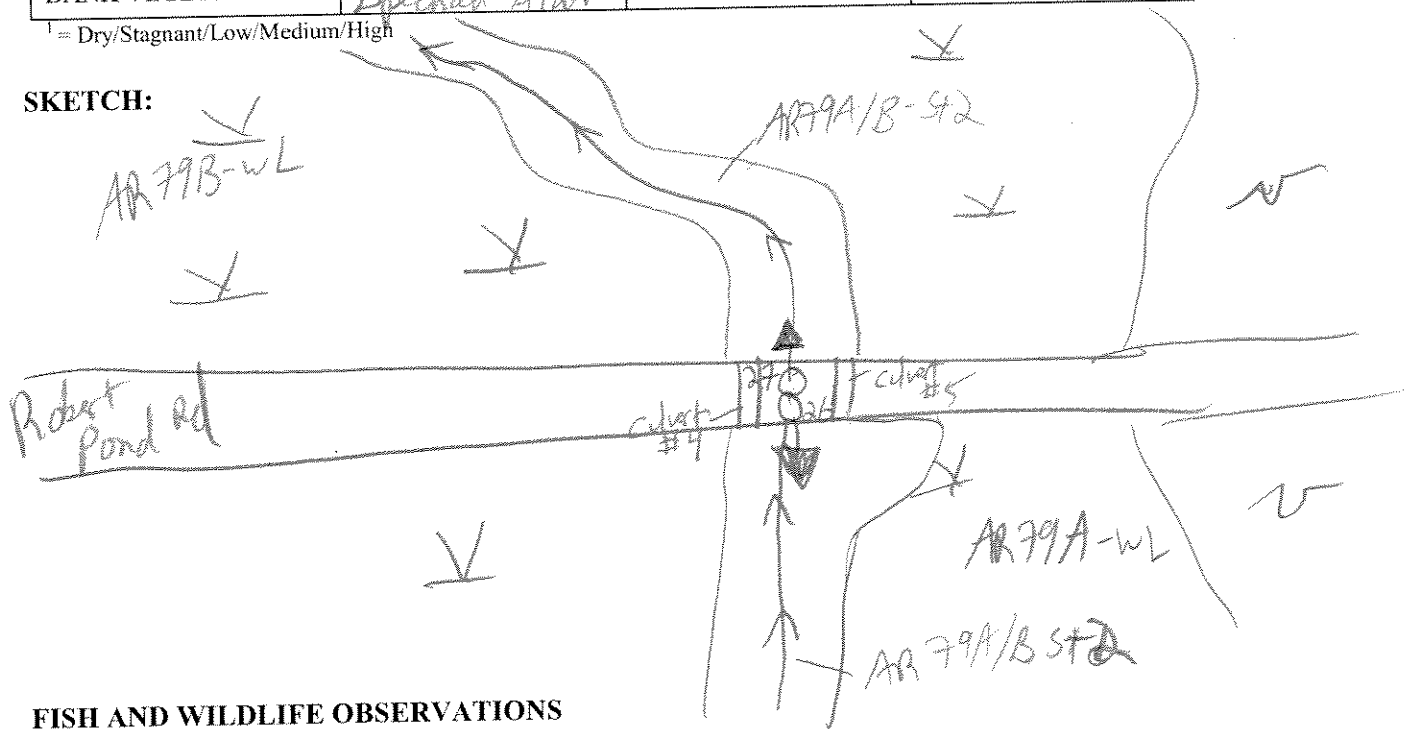
CLIENT: Horizon  
 DATE: 10/23/05  
 ROLL NO: 6  
 FRAMES: 27, 26

STREAM CROSSING DATA

CHANNEL ID	AR 79A/B-92		
NAME (or trib. to)	unknown		
PEREN/INTERMIT	peren		
WIDTH (obser/ohw)	15-20'		
DEPTH (obser/ohw)	12-16"		
FLOW RATE <sup>1</sup>	Medium		
FLOW DIRECTION	S-N		
SUBSTRATE	Sand Gravel		
BANK VEGETATION	Speckled Alder		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

SKETCH:



FISH AND WILDLIFE OBSERVATIONS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NOTES

Rainy during collection  
 \_\_\_\_\_  
 \_\_\_\_\_

**STREAM DATA FORM**

AR79B-ST1

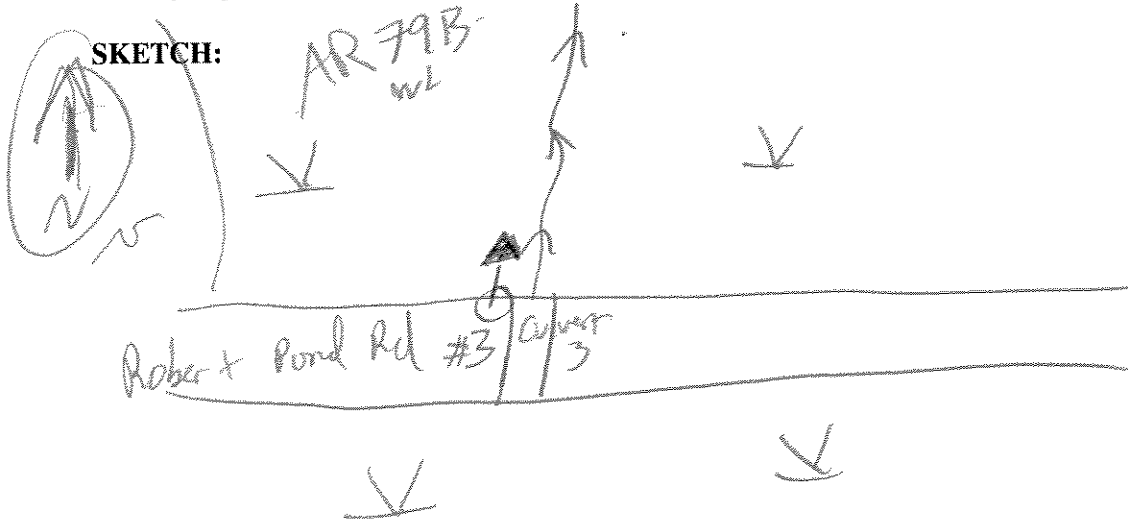
PROJECT: Clinton Co.  
 TURBINE: 9, 10  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: KH, AK

CLIENT: Horizon  
 DATE: 10/23/05  
 ROLL NO: 5  
 FRAMES: #3 looking N.

**STREAM CROSSING DATA**

CHANNEL ID	AR79B-ST1		
NAME (or trib. to)	unknown		
PEREN/INTERMIT	Peren		
WIDTH (obser/ohw)	5 ft		
DEPTH (obser/ohw)	4 in		
FLOW RATE <sup>1</sup>	Low		
FLOW DIRECTION	S → N		
SUBSTRATE	Sand / gravel		
BANK VEGETATION	Speciated Alder		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High



**FISH AND WILDLIFE OBSERVATIONS**

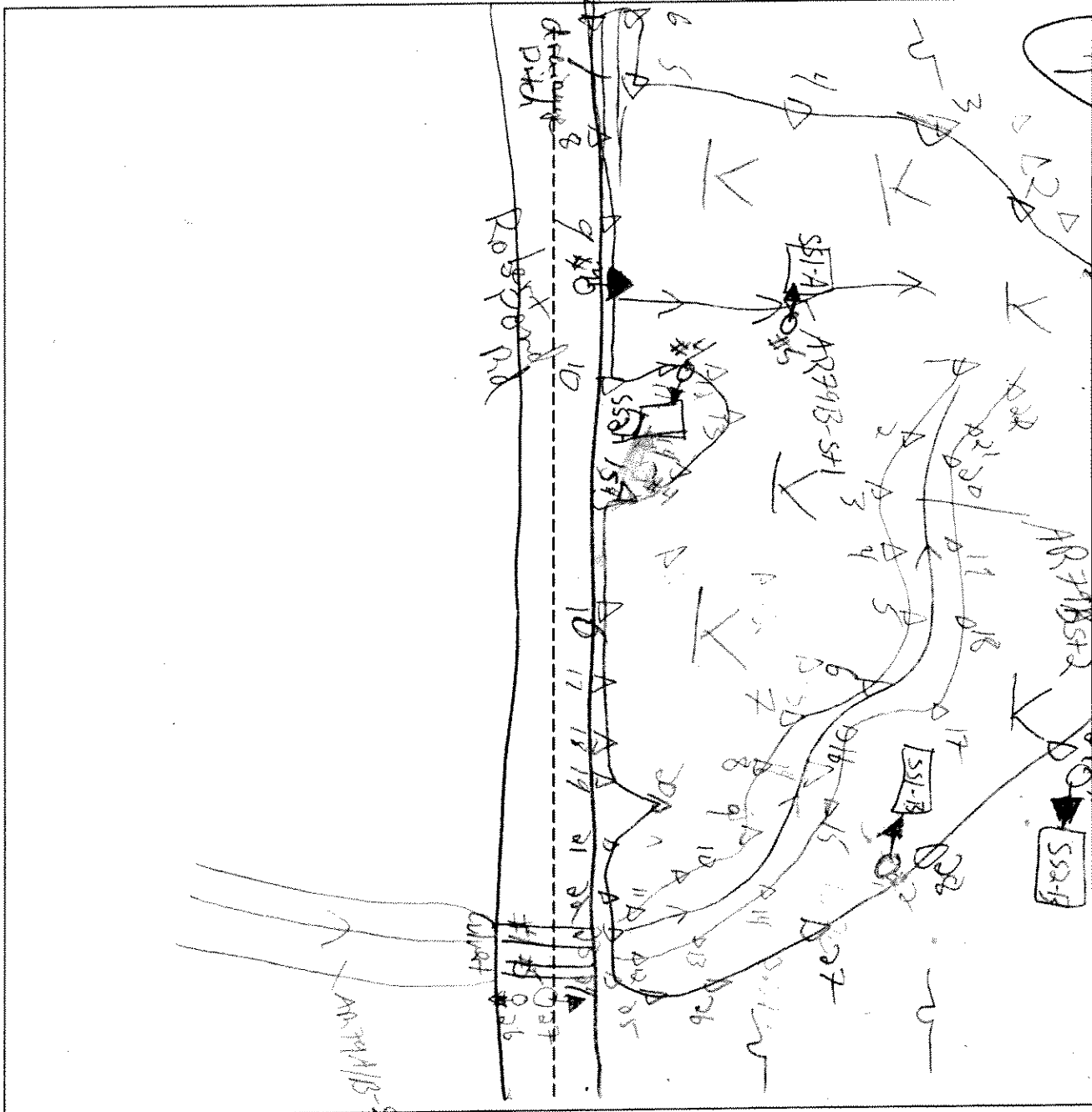
- Snow shoe Hare

**NOTES**

Raining today + within past 24 hours

SKETCH FORM

Wetland ID/Route #: AR 79 B / AR 79 B-SH / AR 79 A / BSH	Date: 10/23/05	Time: 15:00
Initials of Delineators: GH, AK	Location: Clinton Co.	
Roll #: 5	Frames: 5, 4, 3, 2, 1	Roll # 27 N, 26 S



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

**STREAM DATA FORM**

PROJECT: Clinton Co. Wind Farm

CLIENT: \_\_\_\_\_

TURBINE: SW of Turbine 52

DATE: 7 Oct. 2005

LOCATION: Clinton Co.

ROLL NO: \_\_\_\_\_

FIELD CREW: J. Arnett, S. Ryan

FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	AR104AB-ST		
NAME (or trib. to)			
PEREN/INTERMIT	peren		
WIDTH (obser/ohw)	4'		
DEPTH (obser/ohw)	6"		
FLOW RATE <sup>1</sup>	low		
FLOW DIRECTION	North		
SUBSTRATE	hard pan		
BANK VEGETATION	Salix, Typha Aster umbellata		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**

See wetland AR104AB

**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

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**STREAM DATA FORM**

PROJECT: Clinton Wind Farm  
 TURBINE: AR 111  
 LOCATION: 500 ft SW of turbine 53  
 FIELD CREW: S. Ryan, J. Arnett

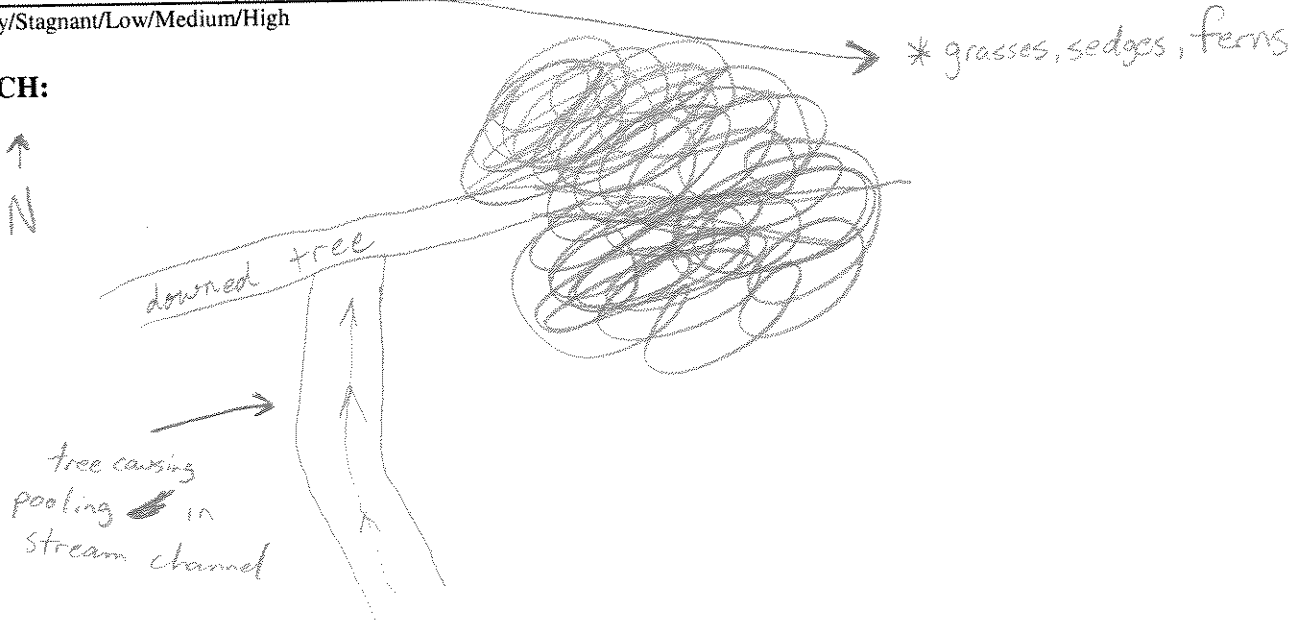
CLIENT: Horizon  
 DATE: 10-9-05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	AR111 A/B-ST		
NAME (or trib. to)			
PEREN/INTERMIT			
WIDTH (obser/ohw)	8 ft		
DEPTH (obser/ohw)	1 ft		
FLOW RATE <sup>1</sup>	stagnant/low		
FLOW DIRECTION	N		
SUBSTRATE	muck		
BANK VEGETATION			

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

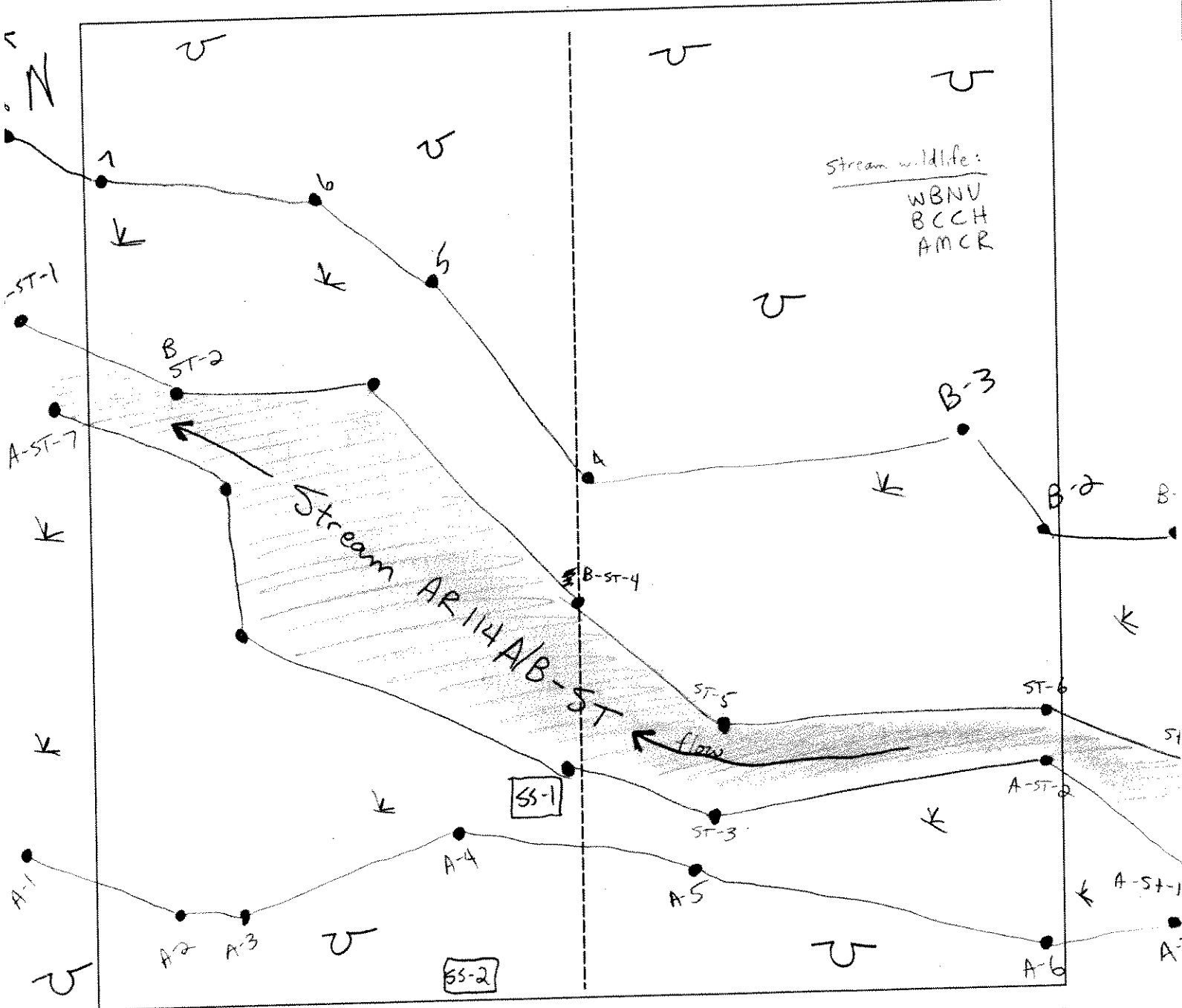
CA60 flyovers  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SKETCH FORM**

Wetland ID/Route #: AR114 A/B with AR114 A/B-ST	Date: 10-10-05	Time: 12:30 pm
Initials of Delineators: S.R. J.A.	Location: Clinton County Wind Farm	
Roll #:	Frames:	

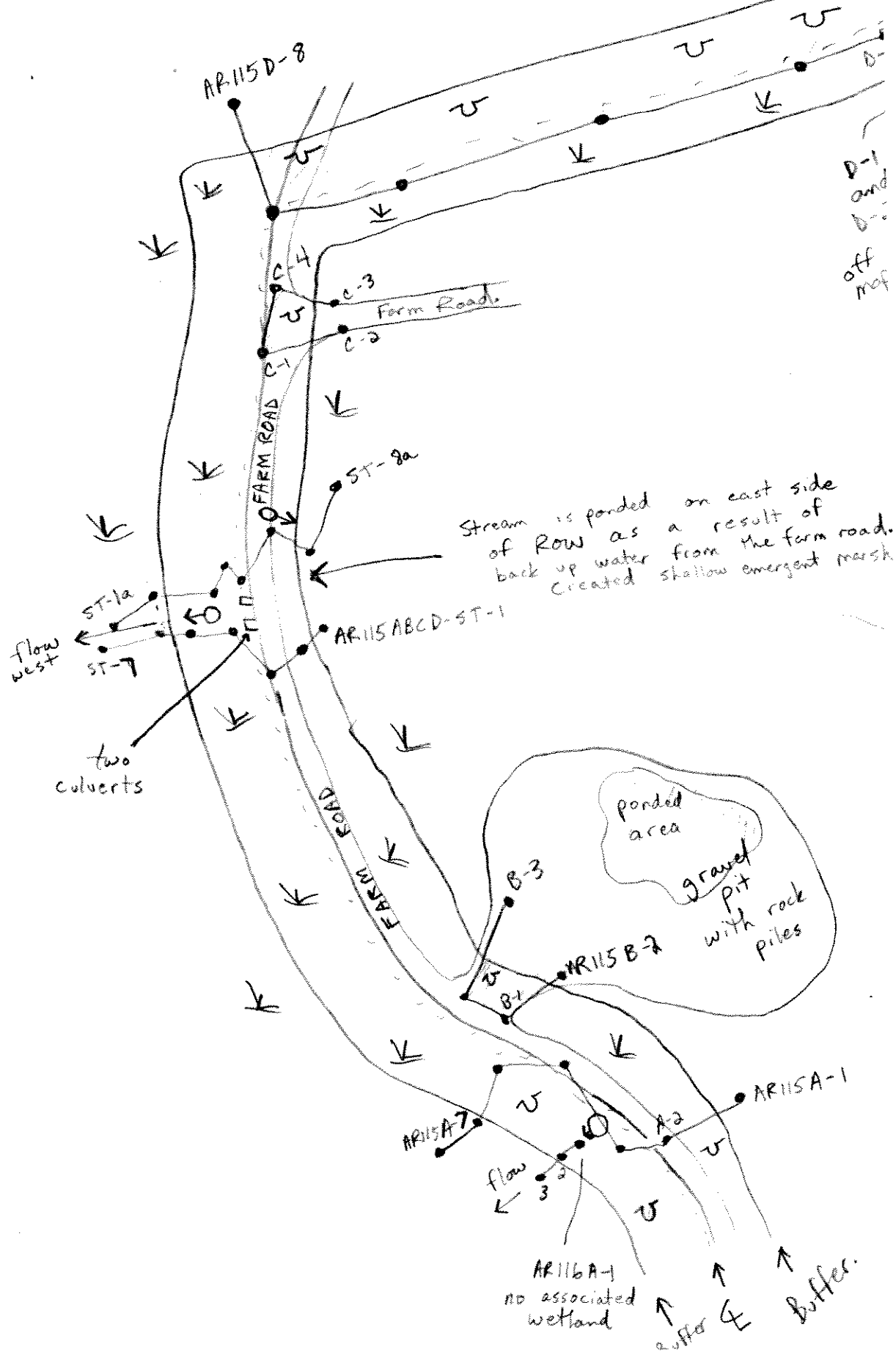


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



AR115 A/B/C/D w/ embedded Stream 10-10-05  
 and  
 AR116 A-ST

↑  
 N



**STREAM DATA FORM**

PROJECT: Clinton County Wind Farm  
 TURBINE: Access road to WTG 36  
 LOCATION: adjacent to state road  
 FIELD CREW: S. Ryan J. Arnett

CLIENT: Horizon  
 DATE: 10-11-05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	ARI18A/B-ST	ARI18A/B-Sta
NAME (or trib. to)	unnamed	unnamed
PEREN/INTERMIT	perennial	perennial
WIDTH (obser/ohw)	3 ft.	2 ft
DEPTH (obser/ohw)	6 in	3 in
FLOW RATE <sup>1</sup>	low	low
FLOW DIRECTION	west	west
SUBSTRATE	cobble/gravel	gravel/muck
BANK VEGETATION	typha/kedges/grasses	typha/reed canopy grass

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**

See wetland sketch

**FISH AND WILDLIFE OBSERVATIONS**

none observed

**NOTES**

Both streams on opposite side of state road.

STREAM DATA FORM

AR119 A/B ST

PROJECT: Clinton Co. Wind Farm  
 TURBINE: Approval to WTC 85+86  
 LOCATION: N. of LaClas Rd  
 FIELD CREW: J. Arnold, S. Ryan

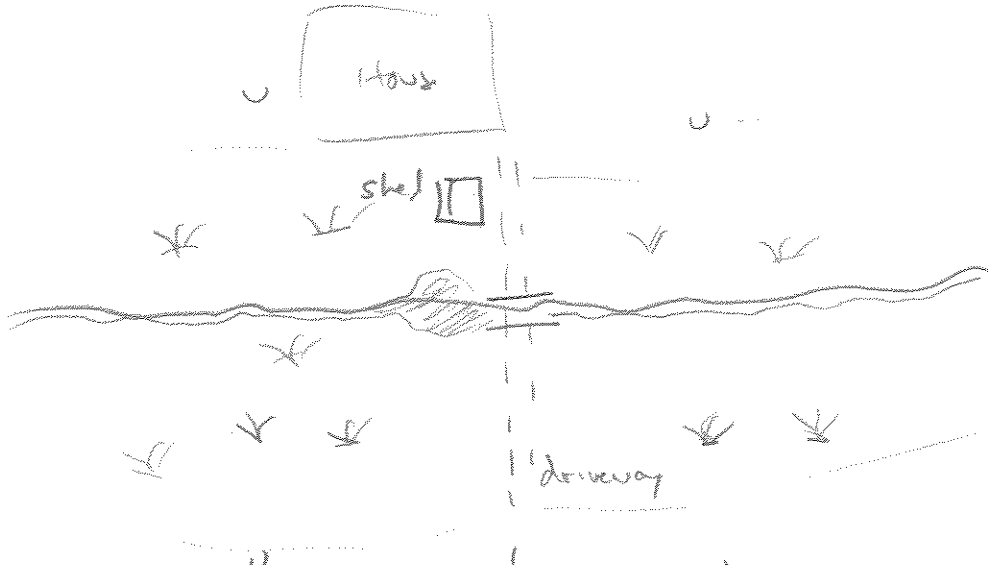
CLIENT: \_\_\_\_\_  
 DATE: 17 Oct 2005  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

STREAM CROSSING DATA

CHANNEL ID	AR119 A/B ST		
NAME (or trib. to)	Hatchinbrook Brook		
PEREN/INTERMIT	Peren		
WIDTH (obser/ohw)	3' across		
DEPTH (obser/ohw)	1'		
FLOW RATE <sup>1</sup>	slow		
FLOW DIRECTION	west		
SUBSTRATE	4" muck over rock		
BANK VEGETATION	<i>Alyss rugosa</i>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High *Ulmus americanae*

SKETCH: wetland AR119 A/B lies around this stream



FISH AND WILDLIFE OBSERVATIONS

many chubheads, one sunshiner here

\_\_\_\_\_

\_\_\_\_\_

NOTES

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



TETRA TECH

SUBJECT ARZUK A/B

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/19/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

STREAM DATA: (A 20050502)  
ARZUK A/B - STA

- Collected using Access Road
- 1 30" steel culvert pipe & 1 24" plastic culvert pipe
- Stream flow to East
- ~6' wide
- ~1' deep
- silt & cobble substrate
- Rapid flow

STREAM:  
ARZUK A/B - STA

- Collected using Access Rd. -> 1 36" plastic culvert pipe
- Stream flow to east - Rapid flow
- ~8' wide
- ~1' deep
- silt & cobble substrate

NOTE: Stream A located ~60' NORTH of  
Stream B (collect to collect)

Stream C located to east of Access Rd.

STREAM:  
ARZUK A/B - STA

BEVER Pond to west of Access Rd  
{ sign of stream B & A.



TETRA TECH

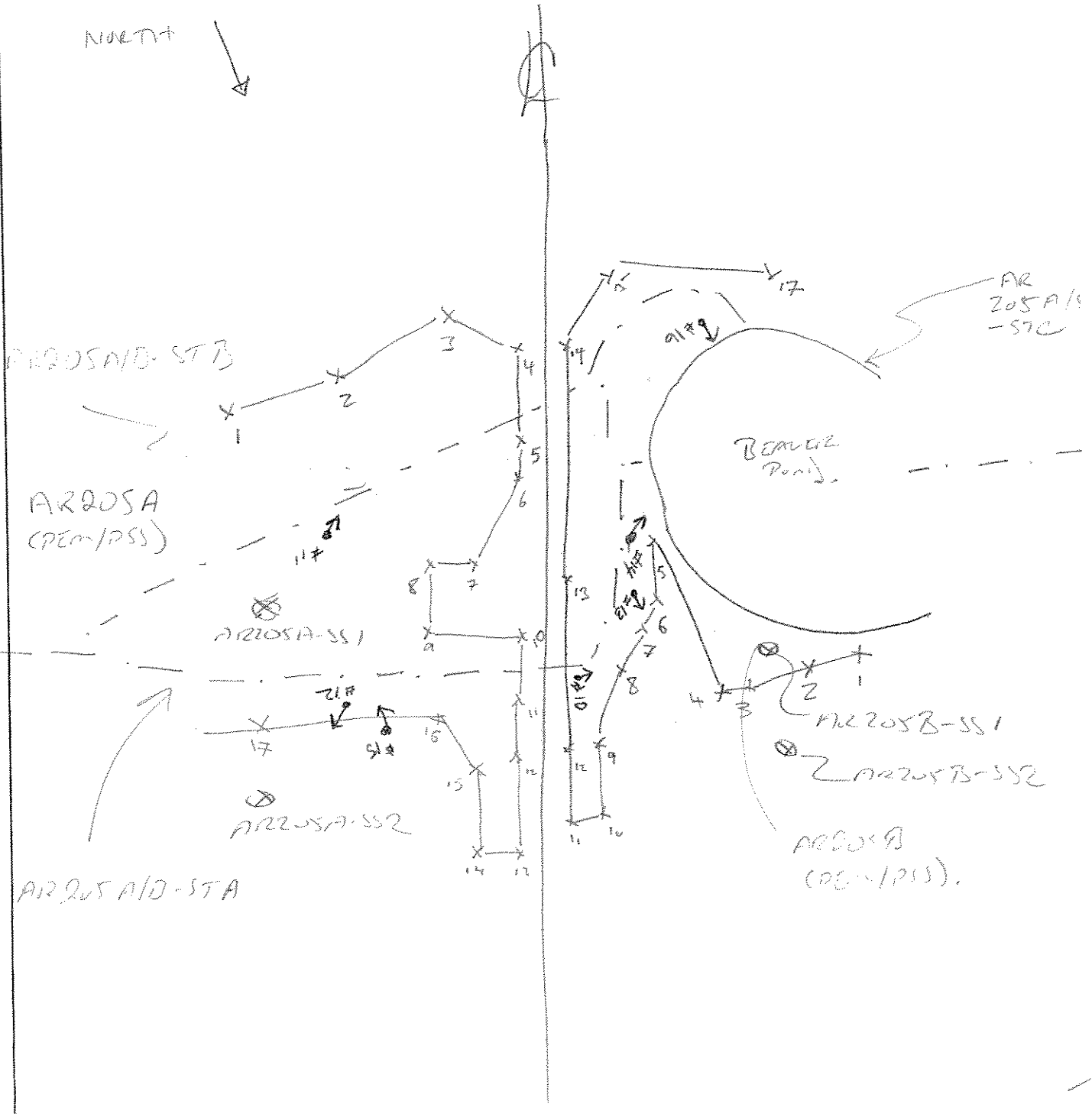
SUBJECT AR205A/B  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_  
TC/P NO. \_\_\_\_\_  
DATE 11/2/00 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

PHOTOS ROLL 3 - 10, 11, 12, 13, 14, 15, 16

AR205A/B  
AR205A/B-STA

NORTH





TETRA TECH

SUBJECT AR06A/B - ST

PROJECT Chickadee Wren

TC/P NO. diagram

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/2/07 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

AR06A/B - ST A

Through upland forest, pen lot  
Substrate - Rock, Cobble - silt/clay  
Flow slow to water  
~ 1.5' wide } 6" DEER

AR06A/B - ST B

Through upland forest & pen lot  
~ 1.5' wide  
~ 4" deep  
- silt/clay & rock  
Flow to SW & SE



TETRA TECH

SUBJECT AR206 A/B

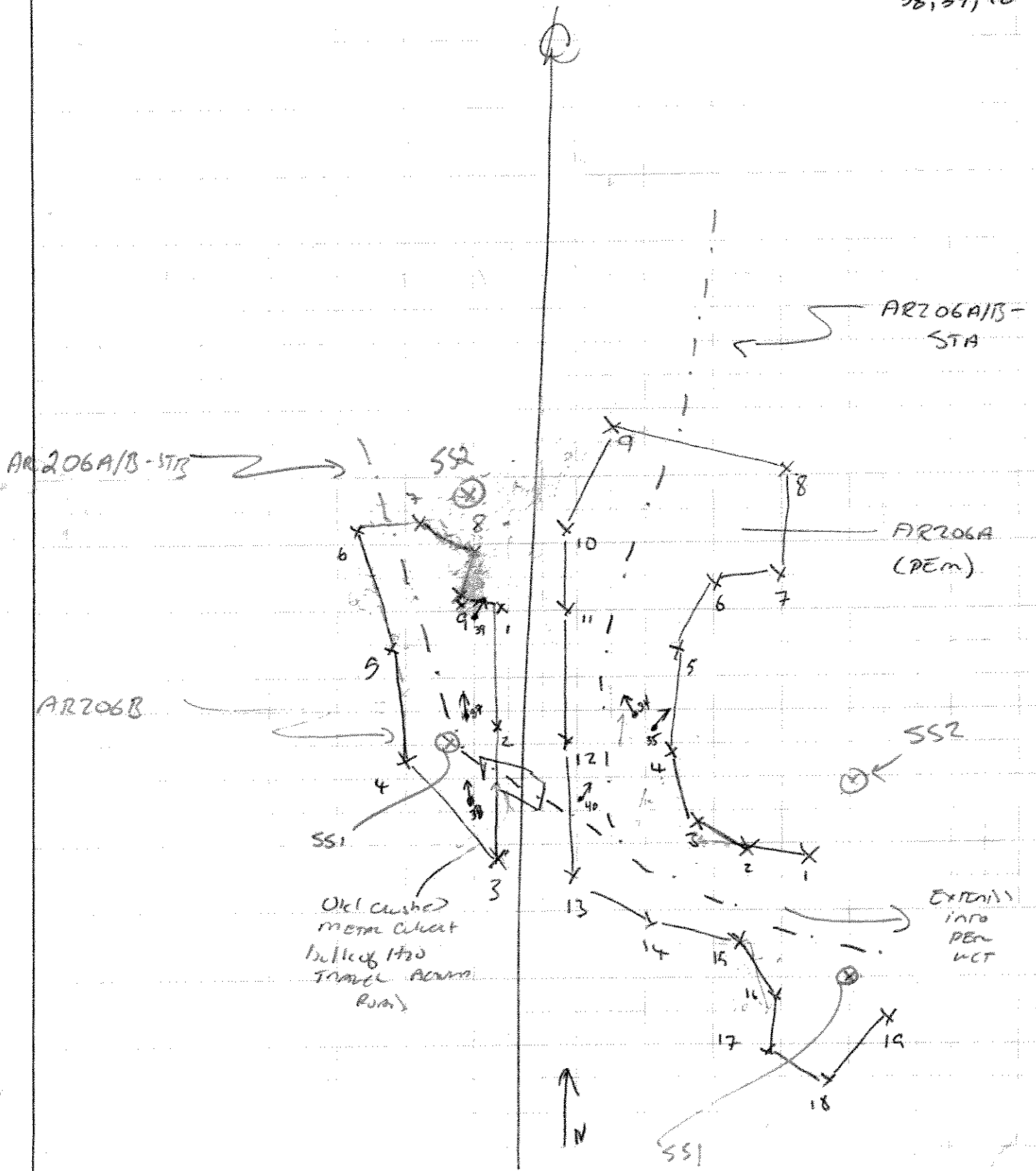
PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/18/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

PHOTOS - DIGITAL FILE  
P-101805 FRAMES: 34, 35, 37  
38, 39, 40



**STREAM CROSSING DATA FORM**

PROJECT: Clinton County

CLIENT: Horton

TURBINE: access rd

DATE: 10/19/05

LOCATION: NEEDN end of main rd

ROLL NO: \_\_\_\_\_

FIELD CREW: AK, STJ

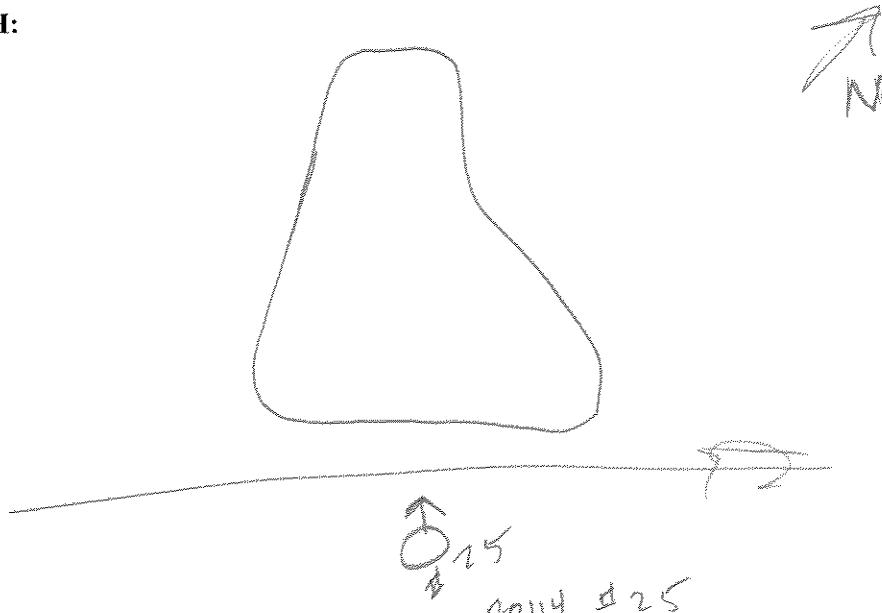
FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	<u>AR208A-STA</u>		
NAME (or trib. to)	<u>Sm Pond.</u>		
PEREN/INTERMIT			
WIDTH (obser/ohw)	<u>7m</u>		
DEPTH (obser/ohw)	<u>1.0m</u>		
FLOW RATE <sup>1</sup>	<u>0.1</u>		
FLOW DIRECTION	<u>0.1</u>		
SUBSTRATE	<u>SILT SAND</u>		
BANK VEGETATION	<u>SHRUB.</u>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

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**STREAM CROSSING DATA FORM**

PROJECT: CLAYTON, NY  
 TURBINE: \_\_\_\_\_  
 LOCATION: AR209A-STA  
 FIELD CREW: AL, R, J

CLIENT: HORIZON  
 DATE: 10/20/05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

**STREAM CROSSING DATA**

CHANNEL ID	<u>AR209A-STA</u>		
NAME (or trib. to)	<u>POND</u>		
PEREN/INTERMIT			
WIDTH (obser/ohw)	<u>± 300 M</u>		
DEPTH (obser/ohw)	<u>&gt; 10M</u>		
FLOW RATE <sup>1</sup>	<u>0 NA</u>		
FLOW DIRECTION	<u>0 NA</u>		
SUBSTRATE	<u>SILT</u>		
BANK VEGETATION	<u>FRINGE WETLAND</u>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

SKETCH: FRINGE WETLAND  
UP TO 3M FROM WATER LEVEL  
3 feet.

VEGETATION:

- TUNICUS EFFUSUS
  - GREY BIRCH
  - RED ~~SAGE~~ REED
  - WOOD GRASS
  - SOFT RUSH
  - SILKY WILLOW
  - BROWN WILLOW
  - LAUREL LEAF GOLDEN ROD
  - CANARY REED
  - SPIDERA - STEPPLE BUSH
- FISH AND WILDLIFE OBSERVATIONS

MEADOW SWAMP  
MANNING GRASS

**NOTES**

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**STREAM CROSSING DATA FORM**

PROJECT: Michigan County  
 TURBINE: \_\_\_\_\_  
 LOCATION: East of Talmis of  
 FIELD CREW: RA, AK

CLIENT: Horizon  
 DATE: 10/19/05  
 ROLL NO: \_\_\_\_\_  
 FRAMES: \_\_\_\_\_

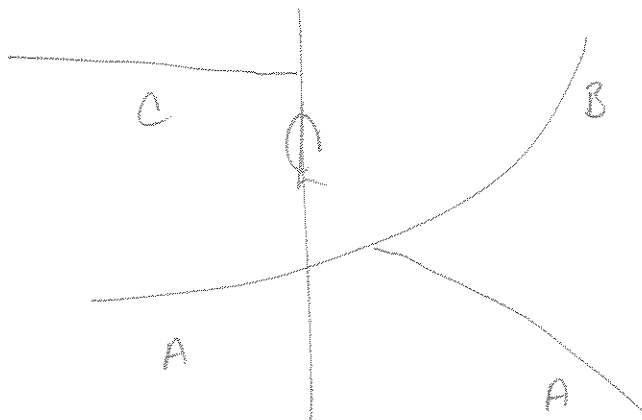
**STREAM CROSSING DATA**

CHANNEL ID	AR210 A/B/C/D-STA	AR210 A/B/C/D-STA B	AR210 A/B/C/D-STA C
NAME (or trib. to)	-	-	-
PEREN/INTERMIT	int.	int.	int.
WIDTH (obser/ohw)	1.5' / 2'	1.5' / 3'	1' / 2'
DEPTH (obser/ohw)	6" / 1'	6" / 1.5'	6" / 1'
FLOW RATE <sup>1</sup>	slow -> moderate	slow	slow
FLOW DIRECTION	to SSW	to ESE	to SSW
SUBSTRATE	silt/rock/muck	silt/rock/muck	silt/rock/muck
BANK VEGETATION	FORESTED	FORESTED	FORESTED

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**

REFER TO LOCATOR SKETCH AR210 A/B/C/D.



**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

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**STREAM CROSSING DATA FORM**

PROJECT: Clinton County  
 TURBINE: \_\_\_\_\_  
 LOCATION: AR212-STA  
 FIELD CREW: JF & JCA

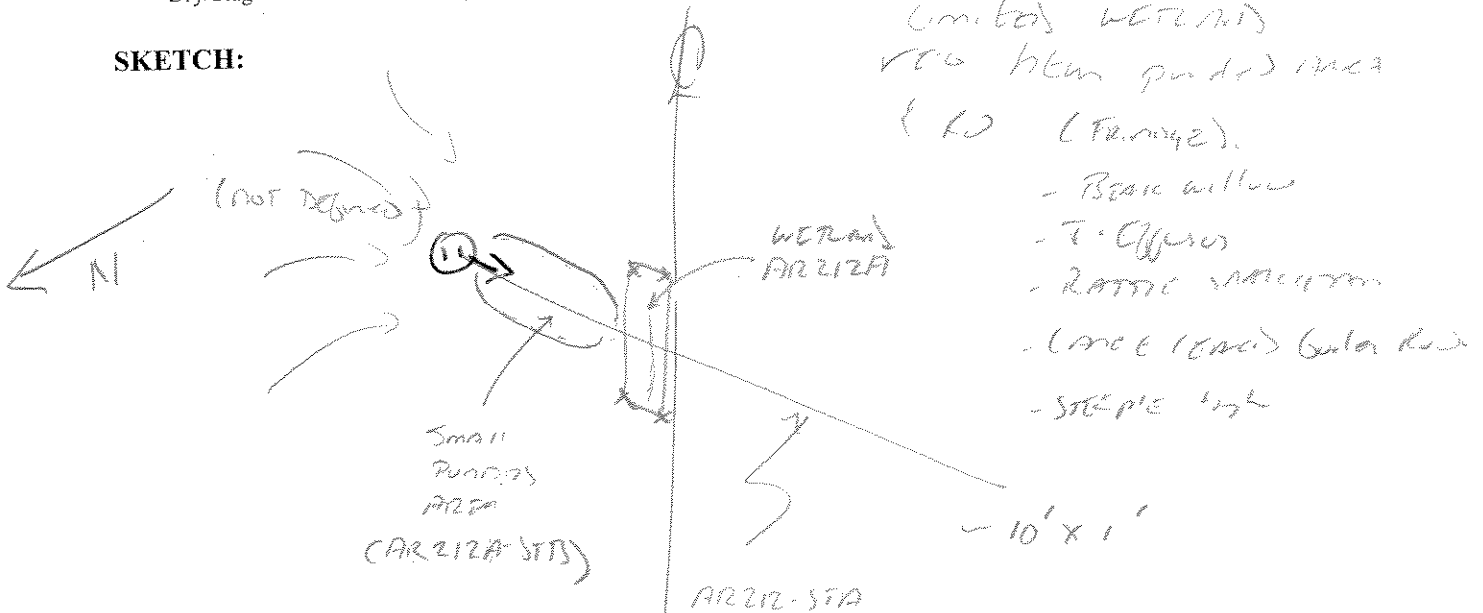
CLIENT: Huron  
 DATE: 10/21/05  
 ROLL NO: 4  
 FRAMES: 11

**STREAM CROSSING DATA**

CHANNEL ID	AR212-STA	AR212-ST7	
NAME (or trib. to)	-	Sm. Rainy Creek	
PEREN/INTERMIT			
WIDTH (obser/ohw)	N/A / 1'	10'	
DEPTH (obser/ohw)	N/A / 2'	20'	
FLOW RATE <sup>1</sup>	N/A	N/A	
FLOW DIRECTION	TO SW	N/A	
SUBSTRATE	Silt loam	Silt loam	
BANK VEGETATION	UPPER FOREST	TURBOST	

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

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**NOTES**

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**STREAM CROSSING DATA FORM**

PROJECT: CLINTO CO WIND FARM  
 TURBINE: N/A  
 LOCATION: MARY LAVIN'S POND  
 FIELD CREW: RD JF

CLIENT: HORIZON  
 DATE: 10.21.05  
 ROLL NO: 14  
 FRAMES: 9,10

**STREAM CROSSING DATA**

CHANNEL ID	ARZISA-STA		
NAME (or trib. to)	N/A		
PEREN/INTERMIT	INTERMIT		
WIDTH (obser/ohw)	1' WIDE / 3'		
DEPTH (obser/ohw)	8" / 1"		
FLOW RATE <sup>1</sup>	SLOW-MED		
FLOW DIRECTION	SOUTH EAST		
SUBSTRATE	SILT LOAM		
BANK VEGETATION	UPLAND FOREST		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### STREAM CROSSING DATA FORM

PROJECT: Clinton County, Virginia  
 TURBINE: \_\_\_\_\_  
 LOCATION: main Lewis's property  
 FIELD CREW: (PDD)

CLIENT: Honigan  
 DATE: 10/2/05  
 ROLL NO: 4  
 FRAMES: 8

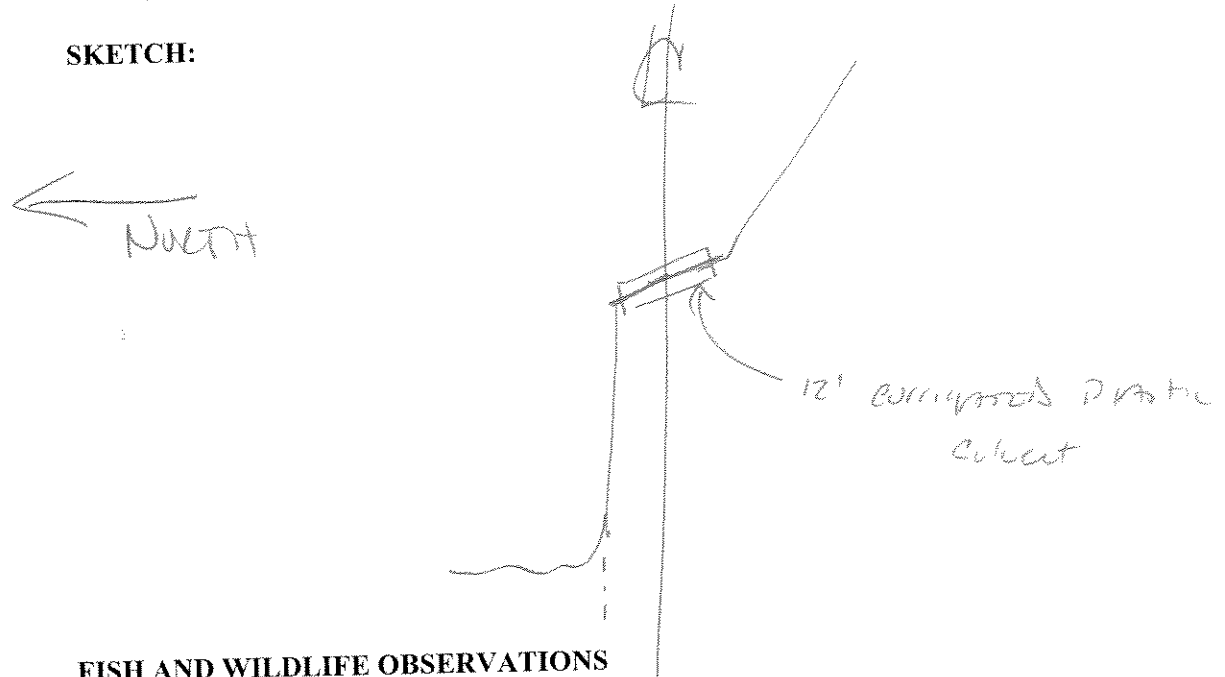
#### STREAM CROSSING DATA

CHANNEL ID	<u>ARDISA-STA</u>		
NAME (or trib. to)			
PEREN/INTERMIT			
WIDTH (obser/ohw)	<u>(1' / 3')</u>		
DEPTH (obser/ohw)	<u>(4" / 1')</u>		
FLOW RATE <sup>1</sup>	<u>slow</u>		
FLOW DIRECTION	<u>TO ESE</u>		
SUBSTRATE	<u>gravel</u>		
BANK VEGETATION	<u>upland forest</u>	<u>open rocky</u>	<u>occasional</u>

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

(Along Run)

#### SKETCH:



#### FISH AND WILDLIFE OBSERVATIONS

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#### NOTES

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**STREAM CROSSING DATA FORM**

PROJECT: Clinton Court

CLIENT: Horizon

TURBINE: on Route 20 turbine #55

DATE: 10/24/05

LOCATION: Hobcock Rd (Marty Lavin's)

ROLL NO: 6

FIELD CREW: RAJ, KH Property

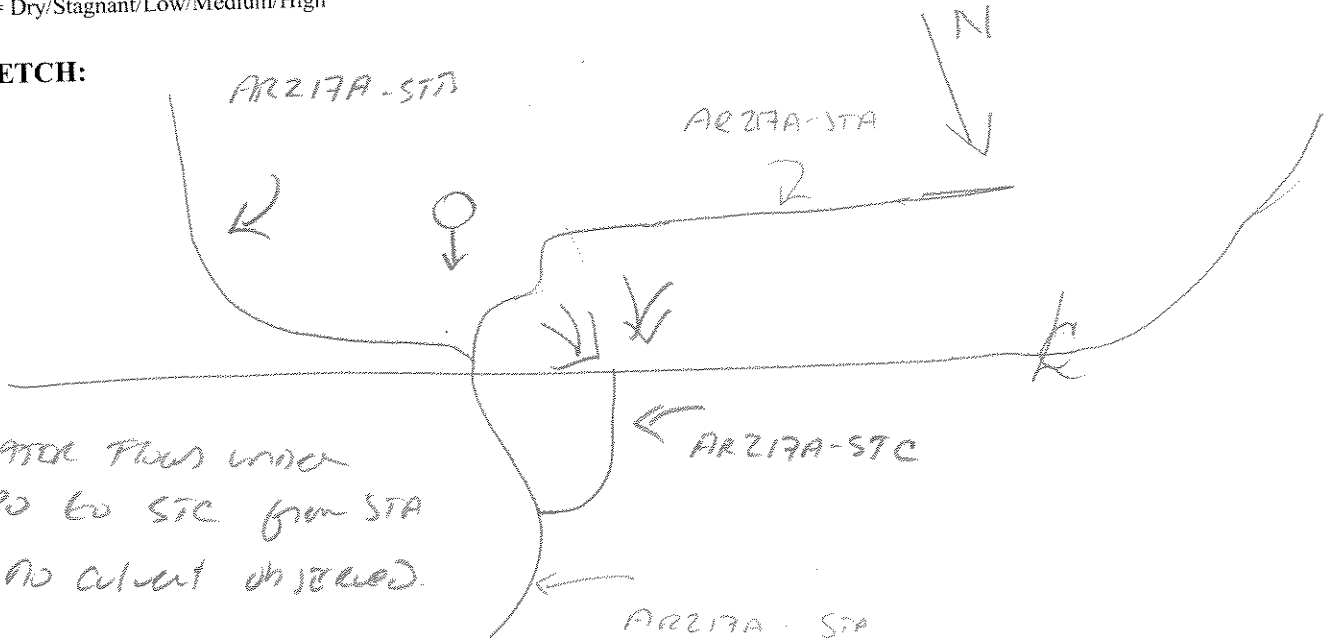
FRAMES: 22

**STREAM CROSSING DATA**

CHANNEL ID	AR217A - STA	AR217A - STB	AR217A - STC
NAME (or trib. to)			
PEREN/INTERMIT	Int	Int.	Int
WIDTH (obser/ohw)	1' / 3'	1' / 4'	1.5' / 3'
DEPTH (obser/ohw)	4" / 8"	6" / 1"	8" / 1"
FLOW RATE <sup>1</sup>	Rapid	Rapid	MODERATE
FLOW DIRECTION	NORTH	NORTH	NORTH
SUBSTRATE	LOAM	LOAM	LOAM
BANK VEGETATION	UPLAND FOREST	UPLAND FOREST	UPLAND FOREST

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

NOTE: Sphagnum moss in stream beds

**NOTES**

(Roll 6 Photo 22 -> NORTH)

**STREAM CROSSING DATA FORM**

PROJECT: Clinton County Watershed  
 TURBINE: \_\_\_\_\_  
 LOCATION: Hobbs Rd.  
 FIELD CREW: JTS, KH

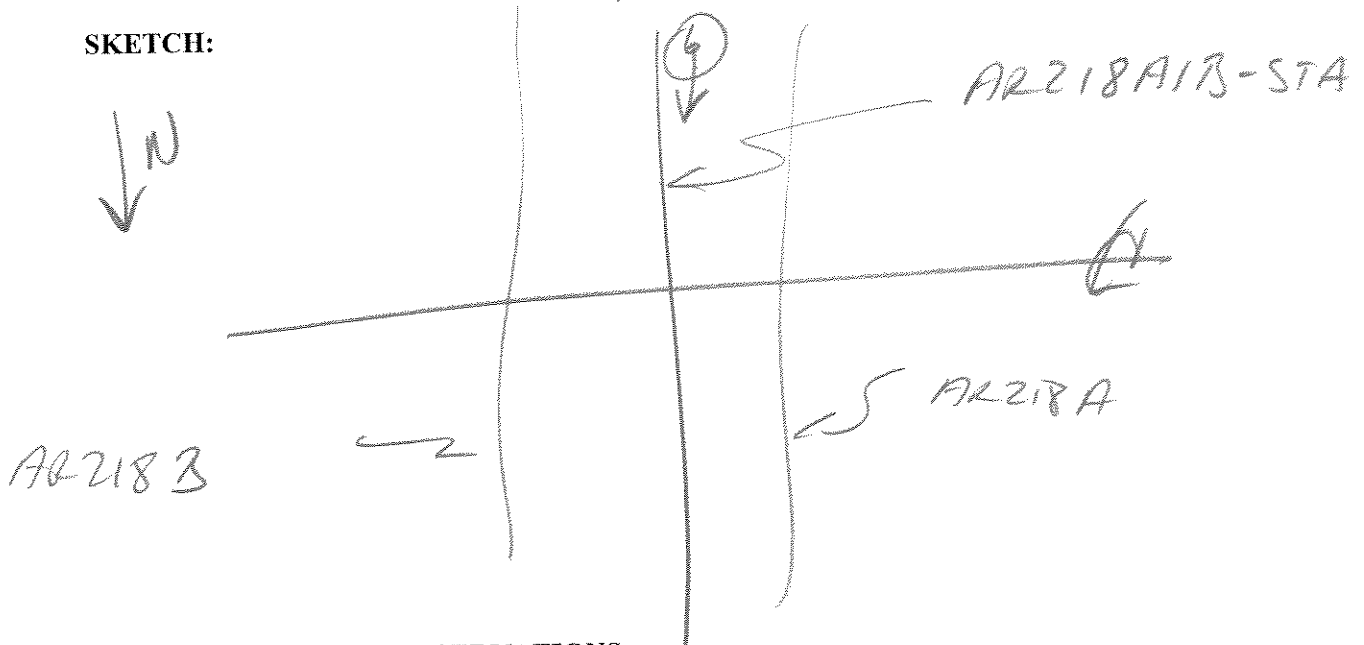
CLIENT: Hobbs  
 DATE: 10/24/05  
 ROLL NO: 6  
 FRAMES: 21

**STREAM CROSSING DATA**

CHANNEL ID	AR218A/B-STA		
NAME (or trib. to)	-		
PEREN/INTERMIT	int		
WIDTH (obser/ohw)	2' / 5'		
DEPTH (obser/ohw)	8" / 1'		
FLOW RATE <sup>1</sup>	Rapid		
FLOW DIRECTION	NORTH		
SUBSTRATE	Silt/Gravel		
BANK VEGETATION	PER WET		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High *Then upland forest*

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

B30 - proceeded to tube # 146

1400

High tide - upland forest - +1140

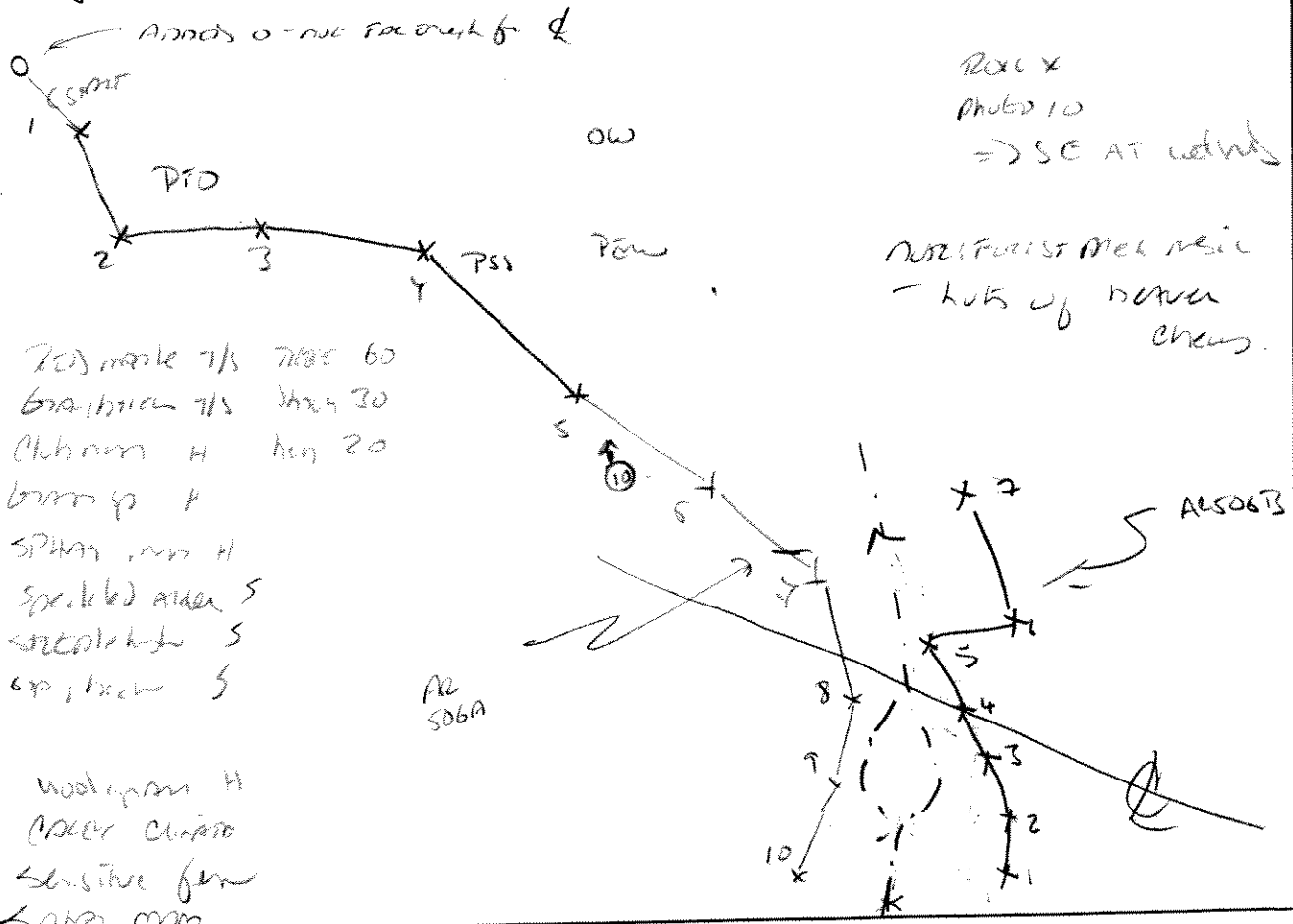
- Bilk chompy T
- Red map T/S
- Towhee Area T
- Star chick T (few)
- Woodpecker H
- Tree like crow H
- Chickadee H
- crow H

TRE - 85° 10  
 SHAD - 30° 10  
 WIND - 157°

ARRIVE PD beam #146 & 147

1430

VIEW AND ARSOGA - PFD/PSS/PEM/OW



PFD: Red maple 7/8 7:00 to 6:00  
 Star chick 7/8 7:30  
 Chickadee H 7:20  
 crow H  
 SPAN, mm H

PSS: Spruce 5  
 Star chick 5  
 crow 5

PEM: Woodpecker H  
 Crow chick  
 sensitive fern  
 SPAN mm





TETRA TECH

SUBJECT Horizon

Clinton Co Washington

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 11/7/05 PAGE 4 OF 4 PAGES

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

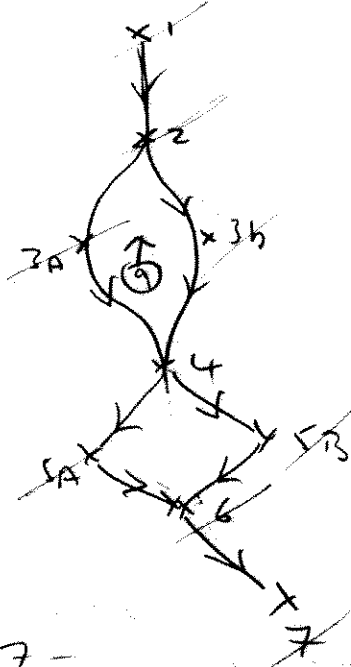
5  
E  
T

ARSO6 A/B ST1 - 1

Flooding ESE AS A MOUND TO RAPID FLOW  
Substrate - Rock/CARBONIC GRAVEL SANDY LOAM

300  
Peg in with pin  
3'-6" / 5'

Depth  
2" / 2'



→ NORTH

Roll x photo 9  
⇒ WEST AT  
ARSO6A/B-ST 1

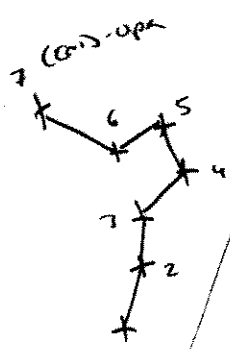
1530 - Hiked to Tuckin 147 -  
High - 1M - upland forest

1600  
ARSO7A

PSS/DEW

SPRINKLED ALDER S  
CEP/WH S  
GRASS SP 4

→ NORTH



NOTE:  
ARSO6  
ROADS W/LOC  
EXITS R.R.  
Right of way  
ROAD RAYS  
~15'  
(ROADS ISSUES?)

note photo 8, Roll x  
⇒ SW AT ARSO7A

RR Right of way  
①



TETRA TECH

SUBJECT

1-10-2015  
Chick County

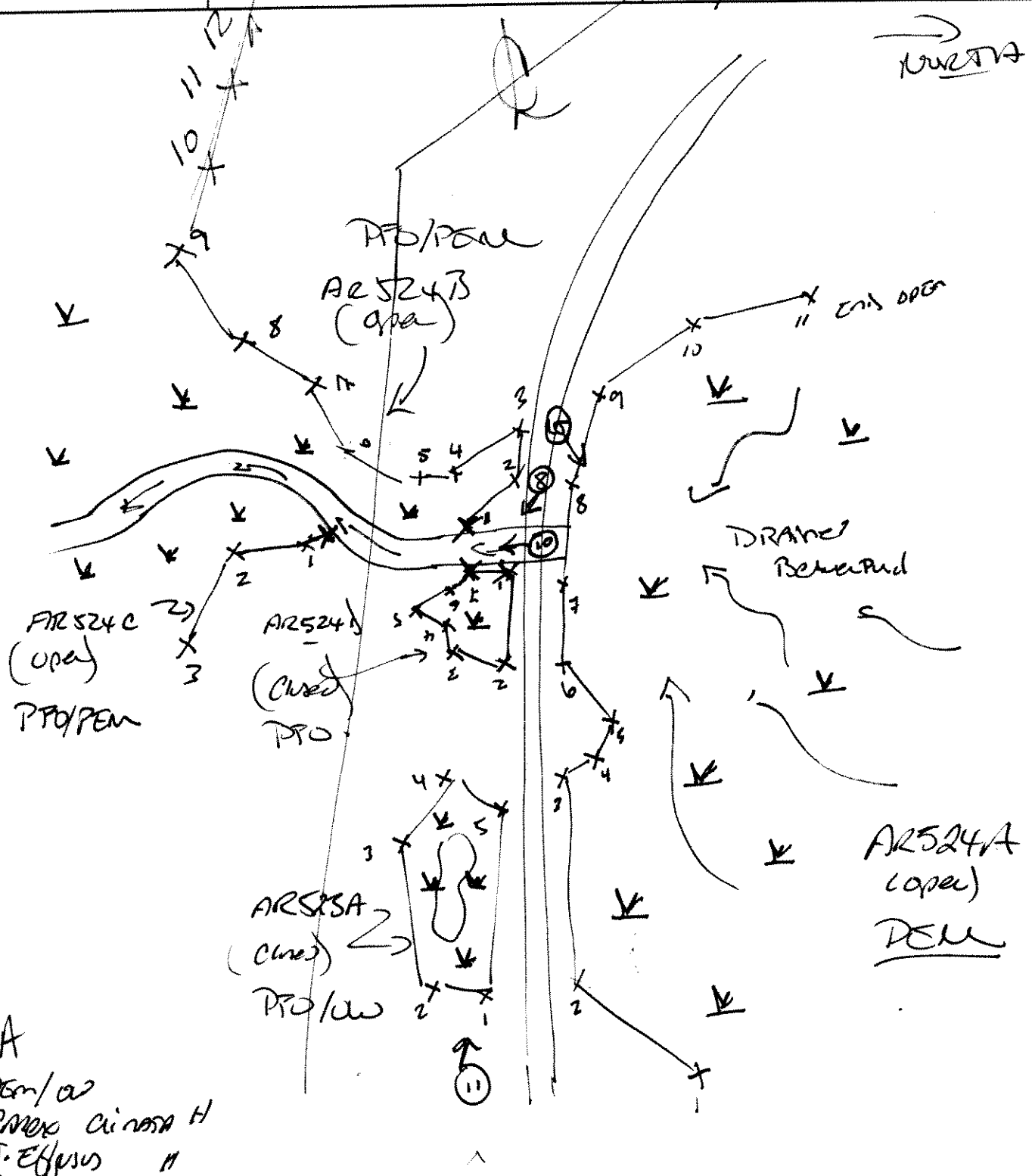
PROJECT

TC/P NO.

ORIGINATOR

CHECKED

DATE 11/12/15 PAGE 6 OF 8 PAGES



ARS23A  
 Dem/cw  
 Creek cleanup H  
 J. Effers H  
 Chickman H  
 Spohn man H  
 Ted mple T/S

Roll 4	Photo 11	→ W at	ARS23A
"	10	→ W	at ARS24 A/DX-ST
"	9	→ E	at ARS24 A
"	8	→ S	at ARS24 D
"	7	→ SW	at ARS24 B

**STREAM DATA FORM**

PROJECT: Clinton, Co.  
 TURBINE: AR 534 / ST A/B  
 LOCATION: Clinton Co. NY  
 FIELD CREW: BZ / RH

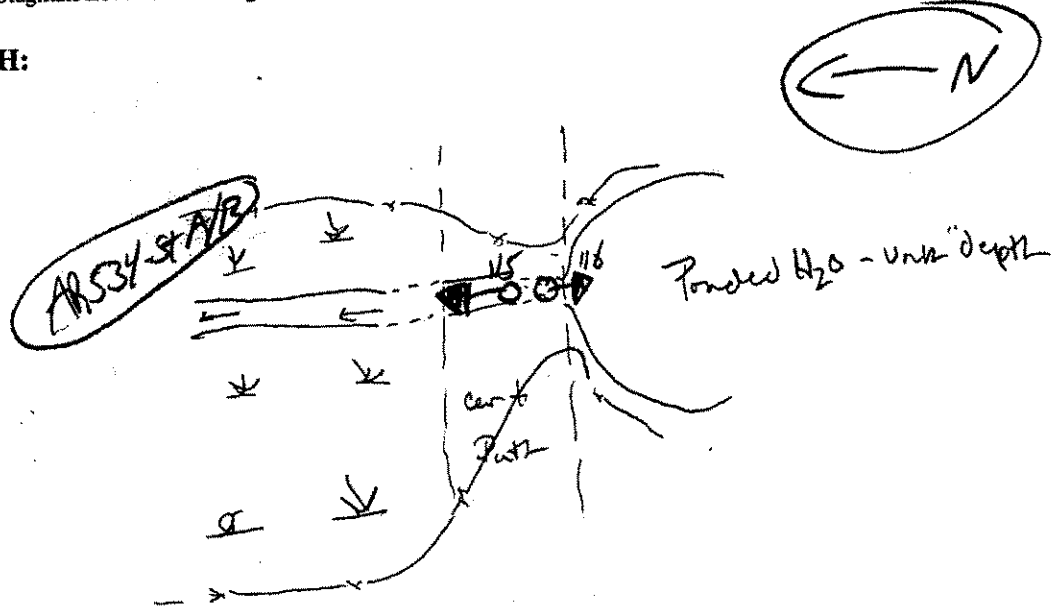
CLIENT: Horizon  
 DATE: 12/7/05  
 ROLL NO: 116E / 115E  
 FRAMES: 6

**STREAM CROSSING DATA**

CHANNEL ID	Un. Known		
NAME (or trib. to)	Un. Known		
PEREN/INTERMIT	intermit		
WIDTH (obser/ohw)	3-6ft Wide Varies		
DEPTH (obser/ohw)	4"-1ft Varies		
FLOW RATE <sup>1</sup>	Unknown		
FLOW DIRECTION	South to North		
SUBSTRATE	Gravel & rocks		
BANK VEGETATION	Apple downy		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

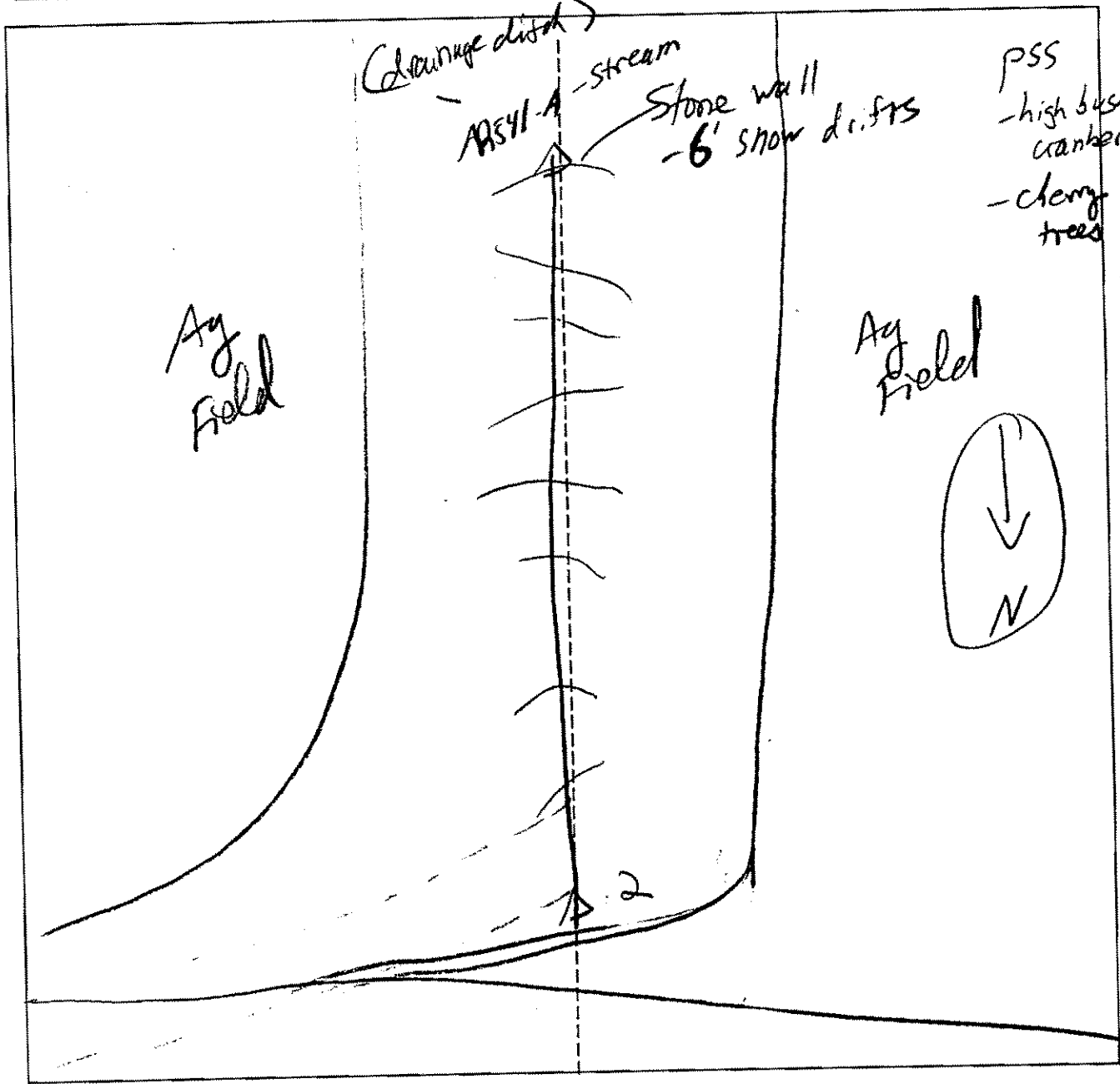
Woodcock in upland adj wetland system that contains stream  
Deer tracks; song birds observed

**NOTES**

Well defined intermittent stream, flow controlled by up gradient  
ponded; stream appears to be routinely disturbed by ATV and  
other vehicle traffic; pond has fringe wetland bordering D.W.

SKETCH FORM

Wetland ID/Route #: <i>AR 541-A - ST (drainage ditch)</i>	Date: <i>12/8/05</i>	Time: <i>13:45</i>
Initials of Delineators: <i>ISA, BR</i>	Location: <i>Clinton Co, State Rd to WTR 200</i>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

# STREAM CROSSING DATA FORM

PROJECT: Clinton Co.  
 TURBINE: Rogers Rd  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: KH, SH

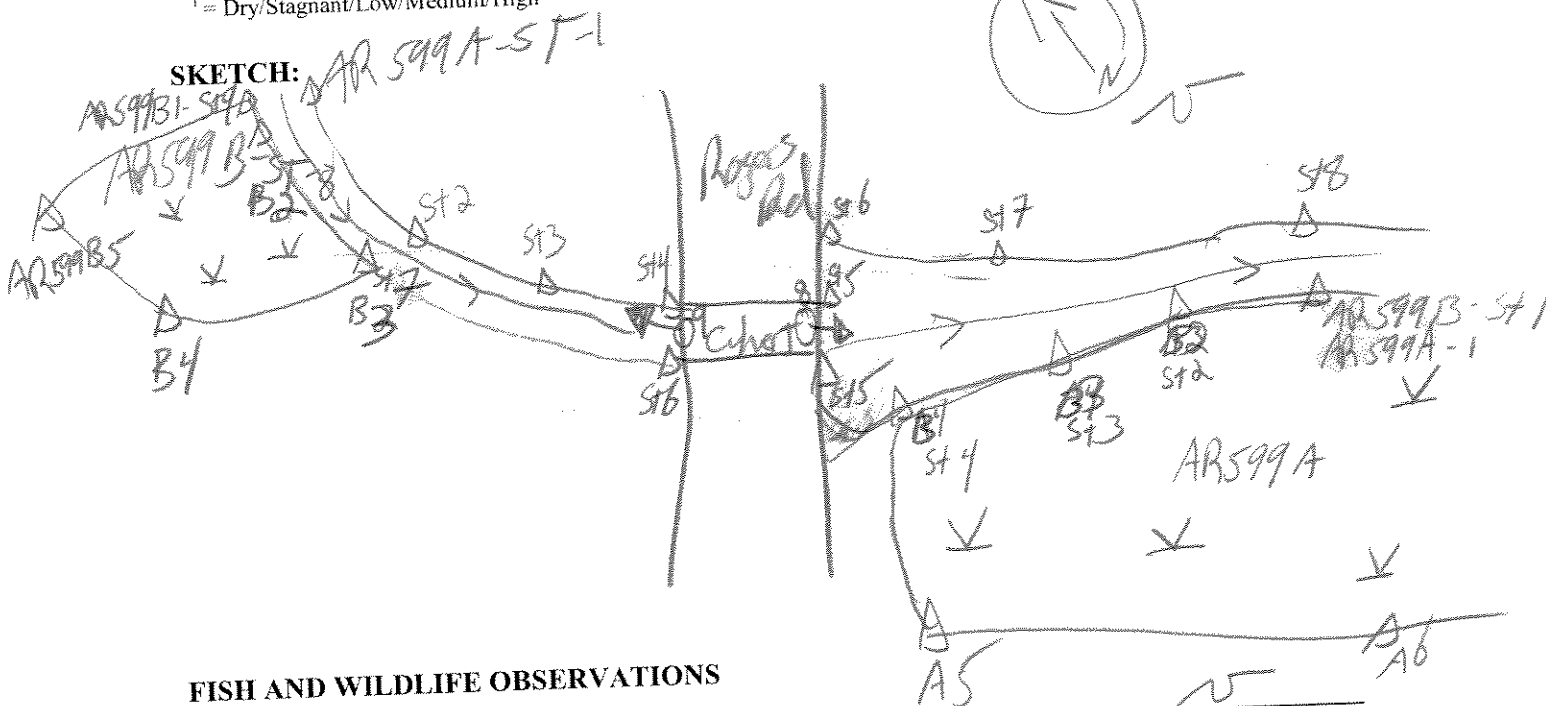
CLIENT: Horizon  
 DATE: 11/7/05  
 ROLL NO: SH 3  
 FRAMES: 8 SE  
           9 NW

## STREAM CROSSING DATA

CHANNEL ID	AR 599A/B-ST
NAME (or trib. to)	unknown
PEREN/INTERMIT	Perenn
WIDTH (obser/ohw)	5'-10'
DEPTH (obser/ohw)	2'
FLOW RATE <sup>1</sup>	Med
FLOW DIRECTION	SE-S
SUBSTRATE	cobbles
BANK VEGETATION	spaced Alder

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

### SKETCH:



### FISH AND WILDLIFE OBSERVATIONS

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### NOTES

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**STREAM CROSSING DATA FORM**

PROJECT: Clinton NY

CLIENT: Zenka

TURBINE: Access Rd to WTG 136

DATE: 11-11-05

LOCATION: \_\_\_\_\_

ROLL NO: KSH CAM

FIELD CREW: BO / SH

FRAMES: 620 Frame 41

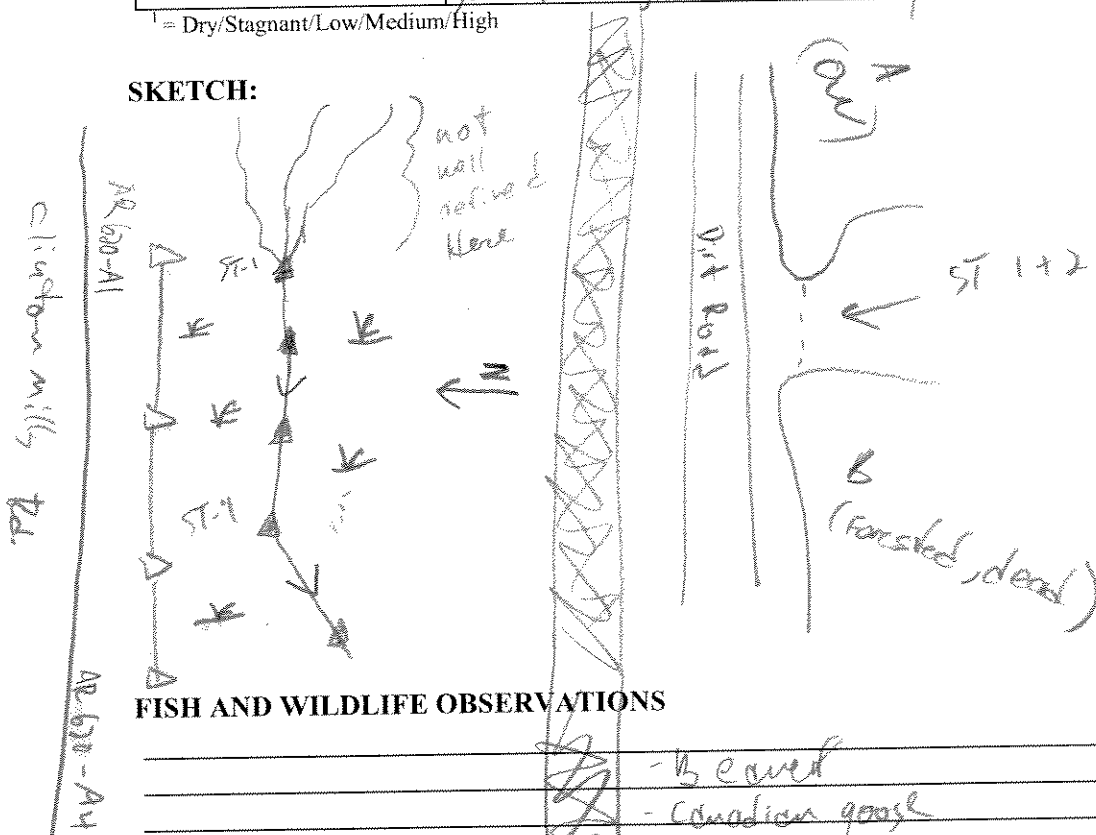
621 Frame 43

**STREAM CROSSING DATA**

CHANNEL ID	AR 620-ST	AR 621-ST	
NAME (or trib. to)	none	none	
PEREN/INTERMIT	intermit. Per. Even	int.	
WIDTH (obser/ohw)	MAX 4'	2'	
DEPTH (obser/ohw)	1.5'	6"	
FLOW RATE <sup>1</sup>	High	med	
FLOW DIRECTION	W → E	S → N	
SUBSTRATE	gravel	gravel/sand	
BANK VEGETATION	shrubs - removed	Blackberry	

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

\_\_\_\_\_ - Beaver

\_\_\_\_\_ - Canadian goose

\_\_\_\_\_

\_\_\_\_\_

**NOTES**

poor definition above

ST 1, may be better at low water

very small channel

through man made earthen dam

BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

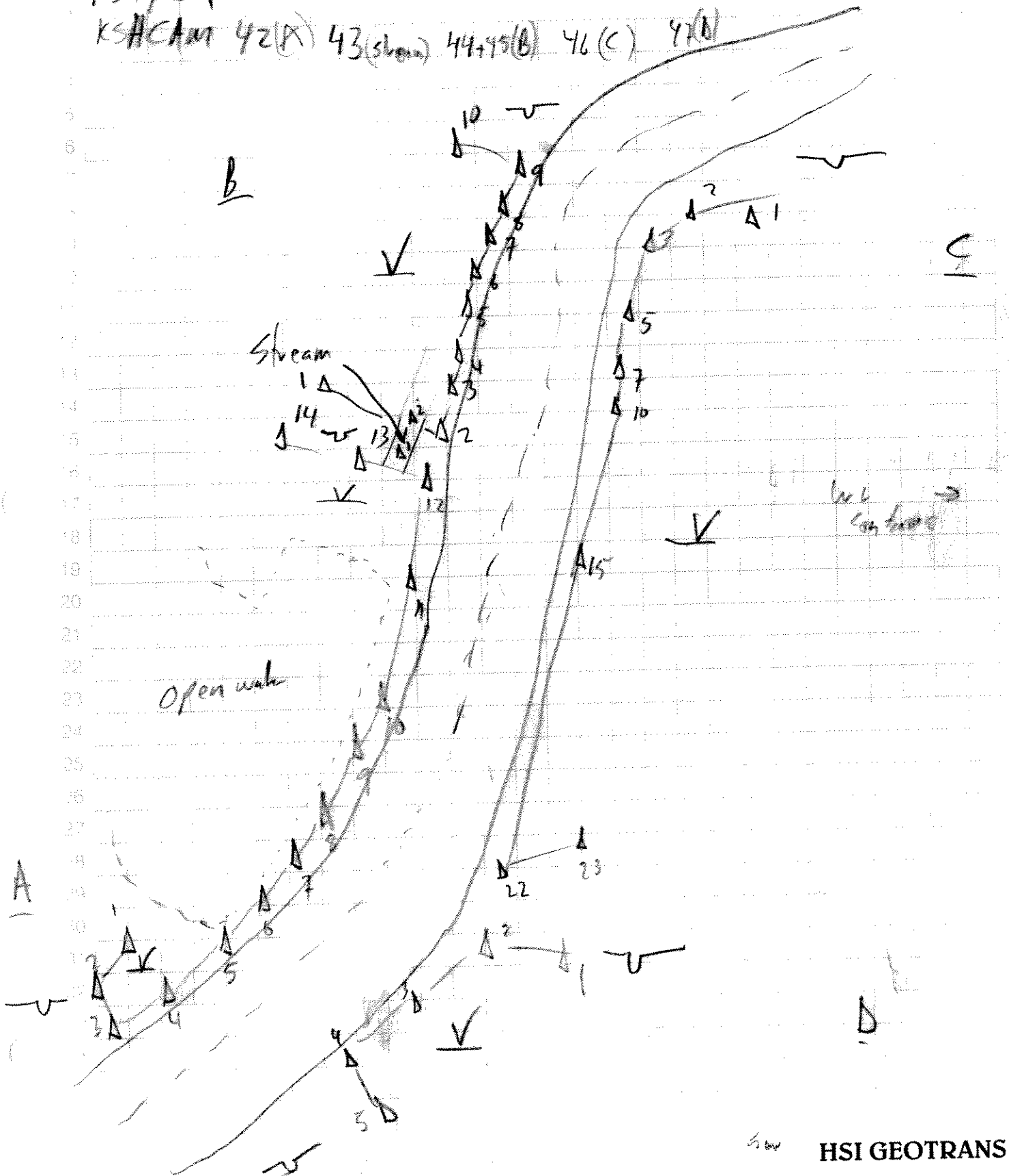
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

AR 621 A/B  
KS14/BQ

11/11/05 1110

KS#CAM 42(A) 43(show) 44+45(B) 46(C) 47(D)



STREAM DATA FORM

PROJECT: Clinton Co. NW  
 TURBINE: AR to WTB 150W  
 LOCATION: AR 629  
 FIELD CREW: BQ, AMG

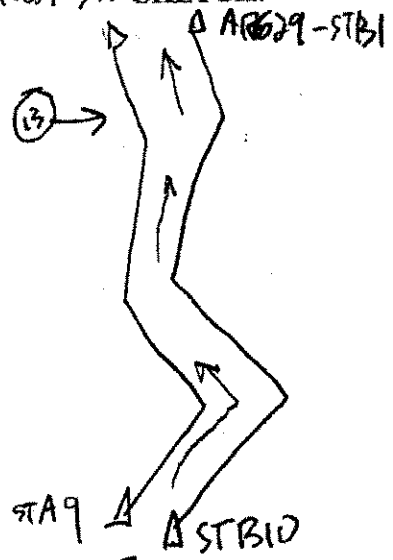
CLIENT: Horizon  
 DATE: 12/6/05  
 ROLL NO: AMS LOWELL  
 FRAMES: 13

STREAM CROSSING DATA

CHANNEL ID	ST A/B		
NAME (or trib. to)	DEC stream		
PEREN/INTERMIT	Perennial		
WIDTH (obser/ohw)	4-8'		
DEPTH (obser/ohw)	~12"		
FLOW RATE <sup>1</sup>	medium		
FLOW DIRECTION	E-W		
SUBSTRATE	gravel		
BANK VEGETATION	ALice		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

AR 629 - STA SKETCH:



FISH AND WILDLIFE OBSERVATIONS

- many deer signs
- pileated woodpecker

NOTES

vertical muddy banks ~ 2' high



**STREAM DATA FORM**

PROJECT: \_\_\_\_\_  
 TURBINE: 10024/103 AR533  
 LOCATION: \_\_\_\_\_  
 FIELD CREW: BR

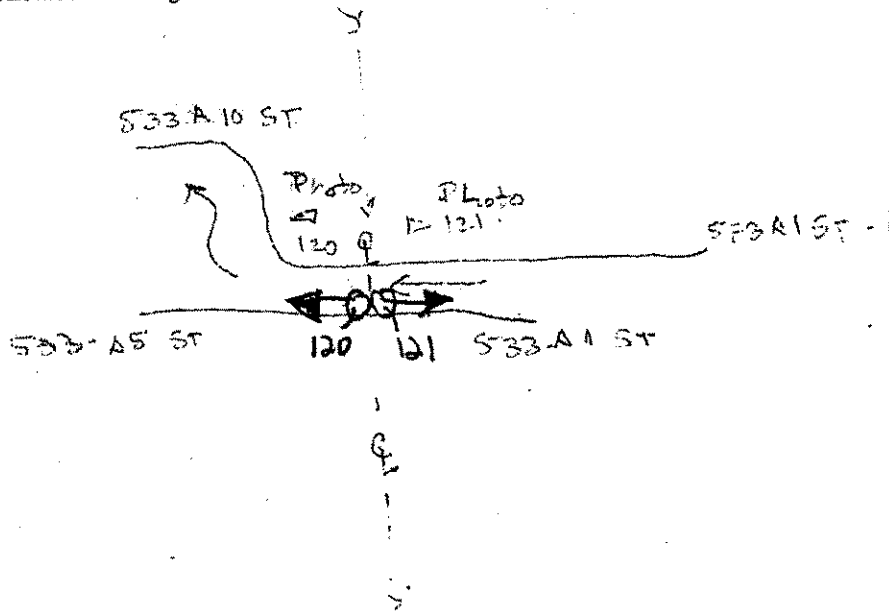
CLIENT: \_\_\_\_\_  
 DATE: 12/16/05  
 ROLL NO: 10110 KH  
 FRAMES: 121E, 120W

**STREAM CROSSING DATA**

CHANNEL ID	<u>AR 533 St</u>		
NAME (or trib. to)	<u>Wk</u>		
PEREN/INTERMIT	<u>PEREN</u>		
WIDTH (obser/ohw)	<u>6-8-10 ft Variable</u>		
DEPTH (obser/ohw)	<u>~12"</u>		
FLOW RATE <sup>1</sup>	<u>Medium</u>		
FLOW DIRECTION	<u>East to West</u>		
SUBSTRATE	<u>Cobbles</u>		
BANK VEGETATION	<u>P.S.</u>		

<sup>1</sup> = Dry/Stagnant/Low/Medium/High

**SKETCH:**



**FISH AND WILDLIFE OBSERVATIONS**

Wk animal tracks

**NOTES**

Attachment 4

Wetland Photos

Rolls 1 and 2



AR1A (North View, 9/19/05)



AR2A (North View, 9/19/05)



AR3A (North View, 9/20/05)



WTG15-1A (West View, 9/20/05)





WTG15 -1B (West View, 9/20/05)



AR4A (North View, 9/25/05)



AR5A (North View, 9/25/05)



AR8A (North View, 9/26/05)





AR10A (South West View, 9/30/05)



AR11A/B (West View, 9/30/05)

Attachment 4

Wetland Photos

Rolls 3, 4, 5, 6





AR50A (Northwest View, 10/13/05)



AR203A/B (North View, 10/17/05)



AR204A (Southwest View, 10/17/05)



AR205A/B-STC Beaver Pond (North View, 10/17/05)





AR205 A/B-STB (East View, 10/17/05)



AR205 A/B-STA (East View, 10/17/05)



AR209A (Northwest View, 10/20/05)



AR209A (Southwest View, 10/20/05)





AR202A (West View, 10/17/05)



AR200-A (North View, 10/17/05)



AR201A (West View, 10/17/05)



WTG Lashway-01A (North View,  
10/18/05)





AR208A (Northeast View, 10/19/05)



AR208A-STA (West View, 10/19/05)



AR207A (East View, 10/19/05)



AR210A/B and AR210A/B/C/D-STB  
(Northeast View, 10/19/05)





AR210D and AR210A/B/C/D-STA  
(Southwest View, 10/19/05)



AR210C and AR210A/B/C/D-STC  
(East/Southeast View, 10/19/05)



AR210A/B and AR210A/B/C/D-STA  
(North View) 10/19/05



AR211A (North/Northeast View, 10/19/05)





AR213A and AR213A-STA  
(North View, 10/21/05)



AR213C (Southeast View, 10/21/05)



AR213B (East View, 10/21/05)



AR66-A (Southwest View, 10/20/05)





AR70-A (North View, 10/20/05)



AR71-A (South View, 10/20/05)



AR72-A (East View, 10/20/05)



AR120-Y (East, 10/21/05)





AR125-A (South View) 12/21/05



AR75A (North View) 10/22/05



AR76A (South View) 10/22/05



AR77A (North View) 10/22/05





AR77B (South View, 10/22/05)



AR78A-ST (North View, 10/23/05)



AR78A (Northeast View, 10/23/05)



AR79B (East View, 10/23/05)





AR79B-ST (North View, 10/23/05)



AR79B (West View, 10/23/05)



AR79A/B-ST2 (North View, 10/23/05)



AR216A (East/Northeast View, 10/24/05)





AR217A-STA/B/C (North View, 10/24/05)



AR218A/B and AR218A/B-STA  
(North View, 10/24/05)



AR79C (South View, 10/25/05)



AR213A (Southeast View, 10/21/05)

Attachment 4

Wetland Photos

Roll 7





AR500B (North East View, 11/3/05)



AR500A (South East View, 11/3/05)



AR505A (North West View) 11/7/05



AR506A (Southeast view, 11/7/05)





AR506A/B-ST (West View, 11/7/05)



AR508A/B (South West View, 11/7/05)



AR509A/B (Northeast view, 11/8/05)

Attachment 4

Wetland Photos

Roll 7





AR500B (North East View, 11/3/05)



AR500A (South East View, 11/3/05)



AR505A (North West View) 11/7/05



AR506A (Southeast view, 11/7/05)





AR506A/B-ST (West View, 11/7/05)



AR508A/B (South West View, 11/7/05)



AR509A/B (Northeast view, 11/8/05)

Attachment 4

Wetland Photos

Roll 8





AR513A/B (West/SW View, 11/9/05)



AR514A (South/Southeast View, 11/9/05)



AR521A (West View, 11/10/05)



AR522A (West View, 11/10/05)





AR208B (East View, 11/10/05)



AR524A/B/C/D-ST (West View, 11/10/05)



AR524D (South View, 11/10/05)



AR524B (Southwest View, 11/10/05)





AR524C (South View, 11/10/05)



AR525A (SE View, 11/11/05)



AR526A/B (West View, 11/11/05)



AR527A (South View, 11/11/05)



AR528A (East View, 11/11/05)



WTG140A (East View, 11/11/05)

Attachment 4

Wetland Photos

Roll 9





AR206A (Northwest) 10/18/05



AR206B (North) 10/18/05



AR206A/B-STA (Northeast)  
10/18/05



AR206A/B-STB (North) 10/18/05

Attachment 4

Wetland Photos

Roll 10





AR21A (West View) 10/7/05



AR22A/B (Southeast View) 10/7/05



AR27A/B (North View) 10/8/05



AR30A (South View) 10/10/05





AR30B/C (South View) 10/10/05



AR34A (East View) 10/11/05



AR35A (North East View) 10/11/05



AR37A (Northeast View) 10/11/05





AR38A (Southeast View) 10/11/05



AR41A/B (West View) 10/11/05



AR40A (Southeast View) 10/11/05





AR42A (East View) 10/12/05



AR43A (South View) 10/12/05



AR54-A (North View) 10/17/05



AR55-A (West View) 10/17/05





AR56-A (North View) 10/17/05



AR57-A/B (West View) 10/17/05



AR58-B (East View) 10/18/05



AR58B-ST (East) 10/18/05





AR59-A-ST (West View) 10/19/05



AR59-A (West View) 10/18/05



AR60-A (West View) 10/18/05



AR61-A (North View) 10/18/05





AR62-A/B (West View) 10/18/05



AR63-A (West View) 10/19/05



AR64-A/B (West View) 10/19/05



AR65-A/B (West View) 10/18/05





Soucia Rd-ST A/B (West View) 10/17/05



Soucia Rd-ST A/B (West View) 10/17/05



WTG-11A (Southwest View) 10/12/05

Attachment 4

Wetland Photos

Roll 11





AR101A/B (Northwest) 10/7/05



AR102A (Northwest) 10/7/05



AR103A/B (Southwest) 10/7/05



AR105A (Northwest) 10/7/05





AR111A/B (West) 10/9/05



AR112A/B (Northwest) 10/9/05



AR16A (North) 10/6/05



AR114A/B (South) 10/10/05





AR115A/B/C (Northeast) 10/10/05



AR115A/B-ST Hinchinbrook  
(Northeast) 10/10/05



AR117A (West) 10/11/05



AR118A/B (East) 10/11/05





AR119A (South) 10/12/05



AR119A/B-ST (East) 10/12/05



AR13A/B PSS (East) 10/4/05



AR14A and AR14-ST (West) 10/4/05





WTG36AltA, 10/11/05



WTG87A/B (East) 10/11/05



WTG74A/B (Northeast) 10/9/05

Attachment 4

Wetland Photos

Roll 12





AR599A/B and AR599A/B-ST  
(East) 11/7/05



AR599A/B and AR599A/B-ST  
(West) 11/7/05



AR602A/B (Southeast) 11/7/05



AR602A/B (West) 11/7/05





AR603A/B/C (East) 11/7/05



AR603A/B/C (West) 11/7/05



AR604A/B (East) 11/7/05



AR604A/B (West) 11/7/05





AR605A/B (East) 11/8/05



AR605A/B (West) 11/8/05



AR606A/B (Northeast) 11/8/05



AR606A/B (Northwest) 11/8/05





AR607A/B (Northeast) 11/8/05



AR607A/B (Northwest) 11/8/05



AR608A (Northwest) 11/8/05



AR609A/B (East) 11/8/05





AR609A/B (West) 11/8/05



AR610A/B (Northeast) 11/8/05



AR610A/B (Northwest) 11/8/05



AR611C (Northeast) 11/9/05





AR611A/B (East) 11/9/05



AR611A/B (West) 11/9/05



AR612A/B (Southeast) 11/9/05



AR613A (West) 11/9/05





AR613C (North) 11/9/05



AR615A/B (East) 11/10/05



AR614A (Northeast) 11/10/05



AR615A/B (West) 11/10/05





AR616A (North) 11/10/05



AR617A (North) 11/10/05



AR616B (South) 11/10/05



AR618A (East) 11/10/05





AR619B (West) 11/10/05



AR618B (West) 11/10/05



AR619A (East) 11/11/05



AR620-ST (North) 11/11/05





AR621A-ST (West) 11/11/05



AR621B (West) 11/11/05



AR621A (West) 11/11/05



AR621B (West) 11/11/05





AR621C (East) 11/11/05



AR621D (East) 11/11/05

Attachment 4

Wetland Photos

Roll 13



AR622A/B/C (East View, 12/5/05)



WTG172A/B(North View, 12/5/05)



WTG-1A(North View, 12/5/05)



WTG-2A(North View, 12/5/05)





WTG3A-A/B (SW View, 12/5/05)



WTG3A-A/B-ST(South View,  
12/5/05)



AR624-A/B (South View, 12/6/05)



AR624-A/B (North View, 12/6/05)





WTG5A-A/B(East View, 12/6/05)



AR533A-A/B-ST  
(East View, 12/6/05)



AR533A-A/B-ST  
(West View, 12/6/05)



WTG175A/B (North View, 12/6/05)





WTG6-A/B/C (South View, 12/6/05)



AR625-A (East View, 12/7/05)



AR626-A(East View, 12/7/05)



AR627-A/B (North View, 12/7/05)





AR628-A/B (East View, 12/7/05)



AR628-A/B (West View, 12/7/05)



AR534-A/B (North View, 12/7/05)



AR534-A/B(South View) 12/7/05





AR535-A/B (North View, 12/7/05)



AR629A/B (North View, 12/8/05)



AR629A/B-ST (East View, 12/8/05)



AR630-A/B (Northwest View,  
12/8/05)





AR540-A (West View, 12/8/05)

**Attachment 4**  
**Photo Log - Delineated Wetlands**  
**Marble River Wind Farm**  
**Clinton County, New York**

<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>	<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>
Lashway-01A	10/18/2005	Roll 3,4,5,6 / Page 3	AR65-B	10/19/2005	Roll 10 / Page 7
WTG-11A	10/12/2005	Roll 10 / Page 8	AR66-A	10/20/2005	Roll 3,4,5,6 / Page 6
WTG15-1A	9/20/2005	Roll 1,2 / Page 1	AR70-A	10/20/2005	Roll 3,4,5,6 / Page 7
WTG15-1B	9/20/2005	Roll 1,2 / Page 2	AR71-A	10/20/2005	Roll 3,4,5,6 / Page 7
WTG36ALTA	10/11/2005	Roll 11 / Page 5	AR72-A	10/20/2005	Roll 3,4,5,6 / Page 7
WTG48A	10/5/2005	No Photograph	AR75A	10/22/2005	Roll 3,4,5,6 / Page 8
WTG74A	10/9/2005	Roll 11 / Page 5	AR76A	10/22/2005	Roll 3,4,5,6 / Page 8
WTG87	10/11/2005	Roll 11 / Page 5	AR77A	10/22/2005	Roll 3,4,5,6 / Page 8
AR1A	9/19/2005	Roll 1,2 / Page 1	AR77B	10/22/2005	Roll 3,4,5,6 / Page 9
AR2A	9/19/2005	Roll 1,2 / Page 1	AR78A	10/23/2005	Roll 3,4,5,6 / Page 9
AR3A	9/20/2005	Roll 1,2 / Page 1	AR79B	10/23/2005	Roll 3,4,5,6 / Page 9 and 10
AR4A	9/25/2005	Roll 1,2 / Page 2	AR79C	10/25/2005	Roll 3,4,5,6 / Page 11
AR5A	9/25/2005	Roll 1,2 / Page 2	AR80A	10/25/2005	No Photograph
AR8A	9/26/2005	Roll 1,2 / Page 2	AR81A	10/25/2005	No Photograph
AR10A	9/30/2005	Roll 1,2 / Page 3	AR81B	10/25/2005	No Photograph
AR11A	9/29/2005	Roll 1,2 / Page 3	AR101A/B	10/7/2005	Roll 11 / Page 1
AR13A/B	10/4/2005	Roll 11 / Page 4	AR102A	10/7/2005	Roll 11 / Page 1
AR14A	10/5/2005	Roll 11 / Page 4	AR103A/B	10/7/2005	Roll 11 / Page 1
AR16A	10/6/2005	Roll 11 / Page 2	AR104A/B	10/7/2005	No Photograph
AR16B/C	10/6/2005	No Photograph	AR105A	10/7/2005	Roll 11 / Page 1
AR21A	10/7/2005	Roll 10 / Page 1	AR106A	10/7/2005	No Photograph
AR22A/B	10/7/2006	Roll 10 / Page 1	AR111A	10/9/2005	Roll 11 / Page 2
AR26A/B	10/8/2005	No Photograph	AR112A	10/9/2005	Roll 11 / Page 2
AR27A/B	10/8/2005	Roll 10 / Page 1	AR114A/B	10/10/2005	Roll 11 / Page 2
AR30A/B/C	10/10/2005	Roll 10 / Page 1 and 2	AR115A/B/C	10/10/2005	Roll 11 / Page 3
AR31A	10/10/2005	No Photograph	AR117A	10/11/2005	Roll 11 / Page 3
AR34A	10/11/2005	Roll 10 / Page 2	AR118AB	10/11/2005	Roll 11 / Page 3
AR35A	10/11/2005	Roll 10 / Page 2	AR119AB	10/12/2005	Roll 11 / Page 4
AR36A	10/11/2005	No Photograph	AR120-B/X	10/21/2005	No Photograph
AR37A	10/11/2005	Roll 10 / Page 2	AR120-Y	10/21/2005	Roll 3,4,5,6 / Page 7
AR38A	10/11/2005	Roll 10 / Page 3	AR123-A/B	10/13/2005	No Photograph
AR40A	10/11/2005	Roll 10 / Page 3	AR124-A	10/21/2005	No Photograph
AR41A	10/12/2005	Roll 10 / Page 3	AR125-A	10/21/2005	Roll 3,4,5,6 / Page 8
AR42A	10/12/2005	Roll 10 / Page 4	AR200-A	10/17/2005	Roll 3,4,5,6 / Page 3
AR43A	10/12/2005	Roll 10 / Page 4	AR201A	10/17/2005	Roll 3,4,5,6 / Page 3
AR44A	10/12/2005	No Photograph	AR202A	10/17/2005	Roll 3,4,5,6 / Page 3
AR50A	10/14/2005	Roll 3,4,5,6 / Page 1	AR203A/B	10/17/2005	Roll 3,4,5,6 / Page 1
AR51A	10/14/2005	No Photograph	AR204A	10/17/2005	Roll 3,4,5,6 / Page 1
AR52A	10/15/2005	No Photograph	AR205A	10/17/2005	No Photograph
AR53-A	10/17/2005	No Photograph	AR205B	10/17/2005	No Photograph
AR54-A/B	10/17/2005	Roll 10 / Page 4	AR206A	10/18/2005	Roll 9 / Page 1
AR55-A	10/17/2005	Roll 10 / Page 4	AR206B	10/18/2005	Roll 9 / Page 1
AR56-A	10/17/2005	Roll 10 / Page 5	AR207A	10/19/2005	Roll 3,4,5,6 / Page 4
AR57-A/B	10/17/2005	Roll 10 / Page 5	AR208A	10/19/2005	Roll 3,4,5,6 / Page 4
AR58-A	10/18/2005	No Photograph	AR209A	10/20/2005	Roll 3,4,5,6 / Page 2
AR58-B	10/18/2005	Roll 10 / Page 5	AR210A/B	10/19/2005	Roll 3,4,5,6 / Page 4 and 5
AR59-A	10/18/2005	Roll 10 / Page 6	AR210C	10/19/2005	Roll 3,4,5,6 / Page 5

**Attachment 4**  
**Photo Log - Delineated Wetlands**  
**Marble River Wind Farm**  
**Clinton County, New York**

<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>	<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>
AR60-A	10/18/2005	Roll 10 / Page 6	AR211A	10/19/2005	Roll 3,4,5,6 / Page 5
AR61-A	10/18/2005	Roll 10 / Page 6	AR213A	10/21/2005	Roll 3,4,5,6 / Page 6
AR62-A	10/18/2005	Roll 10 / Page 7	AR213B	10/21/2005	Roll 3,4,5,6 / Page 6
AR62-B	10/19/2005	Roll 10 / Page 7	AR213C	10/21/2005	Roll 3,4,5,6 / Page 6
AR63-A	10/19/2005	Roll 10 / Page 7	AR216A	10/24/2005	Roll 3,4,5,6 / Page 10
AR64-A/B	10/19/2005	Roll 10 / Page 7	AR218B	10/24/2005	Roll 3,4,5,6 / Page 11
AR65-A	10/19/2005	Roll 10 / Page 7			

**Attachment 4**  
**Photo Log - Field Reviewed Wetlands**  
**Marble River Wind Farm**  
**Clinton County, New York**

<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>	<b>Wetlands</b>	<b>Date</b>	<b>Roll/Page</b>
WTG139A	11/11/2005	No Photograph	AR602A	11/7/2005	Roll 12 / Page 1
WTG140A	11/11/2005	Roll 8 / Page 4	AR603A	11/7/2005	Roll 12 / Page 2
WTG172-A/B	12/5/2005	Roll 13 / Page 1	AR604A	11/7/2005	Roll 12 / Page 2
WTG175A/B	12/6/2005	Roll 13 / Page 3	AR605A	11/8/2005	Roll 12 / Page 3
WTG1A-A	12/5/2005	Roll 13 / Page 1	AR606A	11/8/2005	Roll 12 / Page 3
WTG2A-A	12/5/2005	Roll 13 / Page 1	AR607A	11/8/2005	Roll 12 / Page 4
WTG3A-A/B	12/5/2005	Roll 13 / Page 2	AR607B	11/8/2005	Roll 12 / Page 4
WTG4A-A	11/9/2005	No Photograph	AR608A	11/8/2005	Roll 12 / Page 4
WTG5A-A/B	12/6/2005	Roll 13 / Page 3	AR609A	11/8/2005	Roll 12 / Page 4
WTG6-A/B/C	12/6/2005	Roll 13 / Page 4	AR609B	11/8/2005	Roll 12 / Page 4 and 5
AR208B	11/10/2005	Roll 8 / Page 2	AR610A	11/8/2005	Roll 12 / Page 5
AR500A	11/7/2005	Roll 7 / Page 1	AR610B	11/8/2005	Roll 12 / Page 5
AR500B	11/3/2005	Roll 7 / Page 1	AR611A	11/9/2005	Roll 12 / Page 6
AR505A	11/4/2005	Roll 7 / Page 1	AR611B	11/9/2005	Roll 12 / Page 6
AR506A	11/7/2005	Roll 7 / Page 1	AR611C	11/9/2005	Roll 12 / Page 5
AR508AB	11/8/2005	Roll 7 / Page 2	AR612A/B	11/9/2005	Roll 12 / Page 6
AR509AB	11/8/2005	Roll 7 / Page 2	AR613AB	11/9/2005	Roll 12 / Page 6
AR511AB	11/8/2005	No Photograph	AR613C	11/10/2005	Roll 12 / Page 7
AR513AB	11/9/2005	Roll 8 / Page 1	AR614A	11/10/2005	Roll 12 / Page 7
AR514A	11/9/2005	Roll 8 / Page 1	AR615A	11/10/2005	Roll 12 / Page 7
AR521A/B	11/10/2005	Roll 8 / Page 1	AR616AB	11/10/2005	Roll 12 / Page 8
AR522A	11/10/2005	Roll 8 / Page 1	AR617A	11/10/2005	Roll 12 / Page 8
AR524B	11/10/2005	Roll 8 / Page 2	AR618A	11/10/2005	Roll 12 / Page 8
AR524C	11/10/2005	Roll 8 / Page 3	AR618B	11/10/2005	Roll 12 / Page 9
AR524D	11/10/2005	Roll 8 / Page 2	AR618C	11/10/2005	No Photograph
AR525A	11/11/2005	Roll 8 / Page 3	AR619A	11/11/2005	Roll 12 / Page 9
AR526A/B	11/11/2005	Roll 8 / Page 3	AR619B	11/11/2005	Roll 12 / Page 9
AR527A	11/11/2005	Roll 8 / Page 3	AR621A	11/11/2005	Roll 12 / Page 10
AR528A/B	11/11/2005	Roll 8 / Page 4	AR621B	11/11/2005	Roll 12 / Page 10
AR529A	11/11/2005	Roll 13 / Page 6	AR621C	11/11/2005	Roll 12 / Page 11
AR530A/B	11/11/2005	No Photograph	AR621D	11/11/2005	Roll 12 / Page 11
AR531A	11/11/2005	No Photograph	AR622A/B/C	12/5/2005	Roll 13 / Page 1
AR532A	11/11/2005	No Photograph	AR624-A/B	12/6/2005	Roll 13 / Page 2
AR533-B	12/6/2005	No Photograph	AR625-A	12/7/2005	Roll 13 / Page 4
AR534-A	12/7/2005	Roll 13 / Page 5	AR625-B	12/7/2005	No Photograph
AR534-B	12/7/2005	Roll 13 / Page 5	AR626-A	12/7/2005	Roll 13 / Page 4
AR535-A/B	12/7/2005	Roll 13 / Page 6	AR627-A/B	12/7/2005	Roll 13 / Page 4
AR536-A/B	12/7/2005	No Photograph	AR628-A/B	12/7/2005	Roll 13 / Page 5
AR537-A/B	12/7/2005	No Photograph	AR629-A	12/8/2005	Roll 13 / Page 6
AR538-A	12/7/2005	No Photograph	AR629-B	12/8/2005	Roll 13 / Page 6
AR540-A	12/7/2005	Roll 13 / Page 7	AR630-A/B	12/8/2005	Roll 13 / Page 6
AR599A	11/7/2005	Roll 12 / Page 1	none	12/7/2005	No Photograph
AR599B	11/10/2005	Roll 12 / Page 1			

**Attachment 4  
Photo Log - Streams  
Marble River Wind Farm  
Clinton County, New York**

<b>Stream</b>	<b>Date</b>	<b>Roll/Page</b>	<b>Stream</b>	<b>Date</b>	<b>Roll/Page</b>
WTG3A-A/B-ST	12/5/2005	Roll 13 / Page 2	AR206A/B-STA	10/18/2005	Roll 9 / Page 1
WTG5A-A/B-ST	12/6/2005	No Photograph	AR206A/B-STB	10/18/2005	Roll 9 / Page 1
WTG206-ST(ditch)	12/7/2005	No Photograph	AR208A-STA	10/19/2005	Roll 3,4,5,6 / Page 4
Soucia Stream 1	10/17/2005	Roll 10 / Page 8	AR209A-STA	10/20/2005	No Photograph
ARST1	10/5/2005	No Photograph	AR210A/B/C/D -STA	10/19/2005	Roll 3,4,5,6 / Page 5
AR58A/B-ST1	10/18/2005	No Photograph	AR210A/B/C/D -STB	10/19/2005	Roll 3,4,5,6 / Page 4
AR58B-ST2	10/18/2005	Roll 10 / Page 5	AR210A/B/C/D -STC	10/19/2005	Roll 3,4,5,6 / Page 5
AR62B-ST	10/19/2005	No Photograph	AR212-STA	10/21/2005	No Photograph
AR64A/B-ST	10/19/2005	No Photograph	AR212-STB	10/21/2005	No Photograph
AR69A-ST	10/20/2005	No Photograph	AR213A-STA	10/21/2005	Roll 3,4,5,6 / Page 6
AR77AB-ST	10/22/2005	No Photograph	AR215A-STA	10/21/2005	No Photograph
AR78A-ST	10/23/2005	Roll 3,4,5,6 / Page 9	AR217A-STA	10/24/2005	Roll 3,4,5,6 / Page 11
AR79A/B-ST2	10/23/2005	Roll 3,4,5,6 / Page 10	AR217A-STB	10/24/2005	Roll 3,4,5,6 / Page 11
AR79B-ST	10/23/2005	Roll 3,4,5,6 / Page 10	AR217A-STC	10/24/2005	Roll 3,4,5,6 / Page 11
AR11A/B-ST-1	9/30/2005	No Photograph	AR218A/B-STA	10/24/2005	Roll 3,4,5,6 / Page 11
AR11A/B-ST2	9/30/2005	No Photograph	AR506A/B-ST	11/7/2005	Roll 7 / Page 2
AR104A/B-ST	10/7/2005	No Photograph	AR524A/B/C-ST	11/10/2005	Roll 8 / Page 2
AR111A/B-ST	10/9/2005	No Photograph	AR533-A/B-ST	12/6/2005	Roll 13 / Page 3
AR114A/B-ST	10/10/2005	No Photograph	AR534-A/B-ST	12/7/2005	No Photograph
AR115A/B-ST	10/10/2005	Roll 11 / Page 3	AR541-ST	12/8/2005	No Photograph
AR118A/B-ST	10/11/2005	No Photograph	AR599A/B-ST	11/7/2005	Roll 12 / Page 1
AR118A/B-STA	10/11/2005	No Photograph	AR599A/B-ST	11/7/2005	Roll 12 / Page 1
AR119A/B-ST	10/17/2005	Roll 11 / Page 4	AR620-ST	11/11/2005	Roll 12 / Page 9
AR205A/B-STA	10/17/2005	Roll 3,4,5,6 / Page 2	AR621-ST	11/11/2005	Roll 12 / Page 10
AR205A/B-STB	10/17/2005	Roll 3,4,5,6 / Page 2	AR624-A/B-ST	12/6/2005	No Photograph
AR205A/B-STC	10/17/2005	Roll 3,4,5,6 / Page 1	AR629A/B-ST	12/8/2005	Roll 13 / Page 6