

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

| | |
|---|---|
| Project Site: Clinton cary w/ stream | Date: 11/2/05 |
| Applicant/Owner: Horizon | County: Clinton |
| Investigator: R. DeLong | State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No | Community ID: W02415 Transect ID: AR500A 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

PFO/PSS

| Plant Community Classification: | | | | | |
|---|---------|-----------|-------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 30% Shrub: 60% Herb: 80% Vine: 5% | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. RED MAPLE | T/S | FAC | 9. Purple Stemmed Maple | H | OBL |
| 2. SLACK willow | S | FACW | 10. Virginia Creeper | ✓ | FAC |
| 3. ELDER | S | FACW | 11. | | |
| 4. SPREADING AINCE | S | FACWT | 12. | | |
| 5. SCRUBBY fern | H | FACW | 13. | | |
| 6. Tubus sp. | S | unknown | 14. | | |
| 7. meadow sweet | S | FAC+ | 15. | | |
| 8. narrow leaved willow | Herb H | OBL | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: note: LEADERS TREES & STUBS & SCREED HEDGES. | | | | | |

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 <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 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.): up to 2' in places Depth to Free Standing Water in Pit (in.): ∅ Depth to Saturated Soil (in.): ∅ | |
| 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. |
| 0-14" | A | 7.5YR 2.5/1 | — | — | Silt, 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: * Presence of Aqca at 14" | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|--|
| Hydrophytic Vegetation Present? | Yes | No | Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 County Windsor</i> | Date: <i>11/2/05</i> |
| Applicant/Owner: <i>MCCORMACK</i> | County: <i>Clinton</i> |
| Investigator: <i>TAK</i> | State: <i>NY</i> |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No | Community ID: <i>UP1A1</i> Transect ID: <i>ARROWAITS</i> Plot ID: <i>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 *OPEN COW PASTURE & TREE ROW*

Plant Community Classification: _____

Percent Canopy Cover: Tree: *15%* Shrub: *10%* Herb: *10%* Vine: *0%*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|----------------------------|------------|----------------|------------------------|----------|------------|
| 1. <i>GRASS</i> | <i>T/S</i> | <i>FAC</i> | 9. <i>PASTURE</i> | <i>H</i> | <i>FAC</i> |
| 2. <i>Meadow Sweet</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>GRASS SP</i> | <i>H</i> | <i>unknown</i> | 11. | | |
| 4. <i>Watercress</i> | <i>H</i> | <i>FAC</i> | 12. | | |
| 5. <i>Common plantain</i> | <i>H</i> | <i>FAC</i> | 13. | | |
| 6. <i>RAIL DISTURBANCE</i> | <i>H</i> | <i>CPL*</i> | 14. | | |
| 7. <i>R. STERILE</i> | <i>H</i> | <i>FAC</i> | 15. | | |
| 8. <i>ARROW</i> | <i>H</i> | <i>FAC</i> | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *44%*

Remarks: ** NOT COWS*

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 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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-10 | A | 10YR 4/3 | — | — | Silt loam |
| 10-8 | B | 10YR 4/4 | — | — | 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:

WETLAND DETERMINATION

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

Remarks



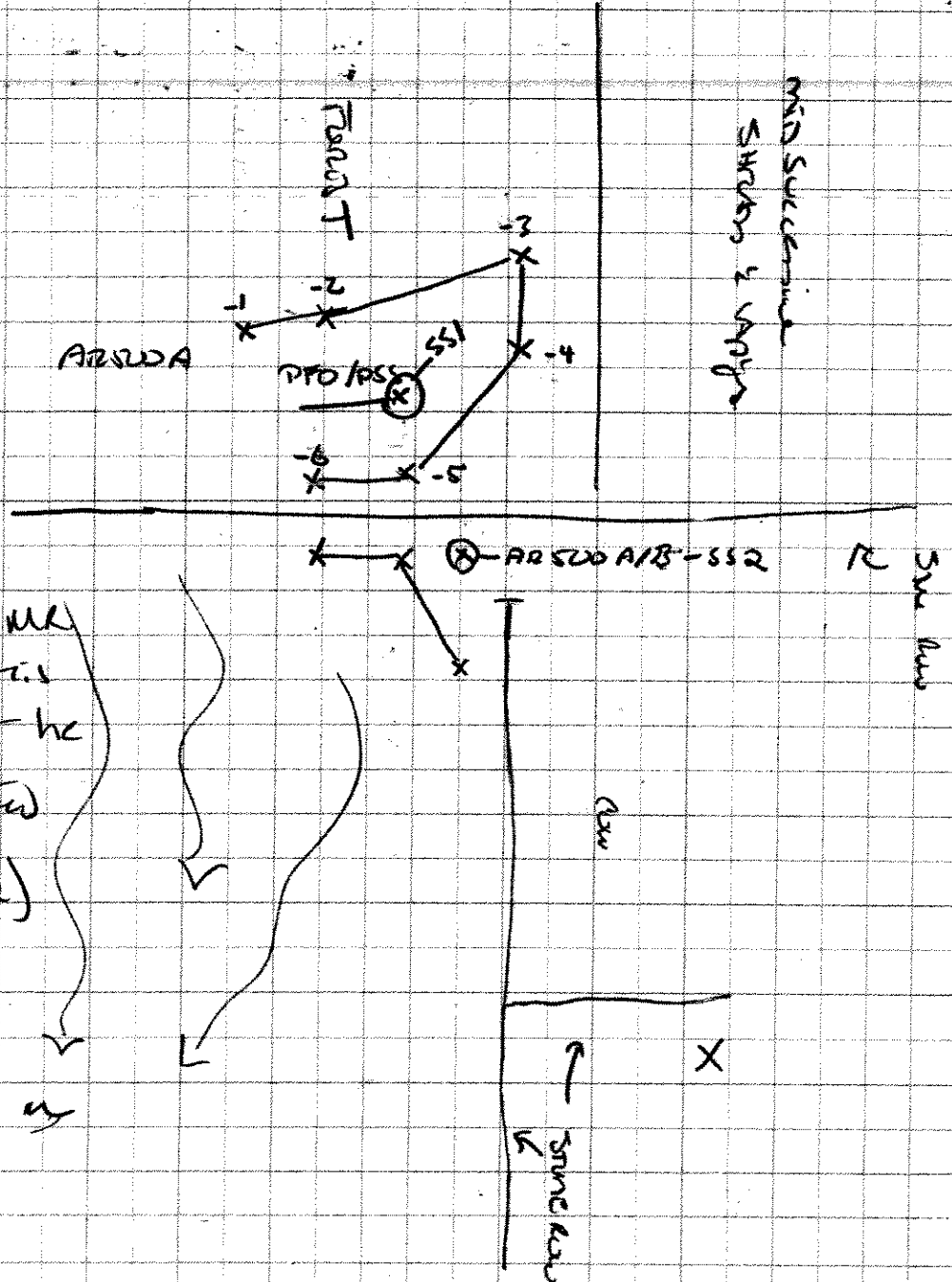
TETRA TECH

SUBJECT Clinton Cash
with friend
ORIGINATOR _____ CHECKED _____

PROJECT Human
TC/P NO. _____
DATE 1/2/05 PAGE 3 OF 3 PAGES

START W/ ARSUA

ARSUA - TARGETS WORLD



MID SUCCESSFUL
SEARCH & ANALYSIS

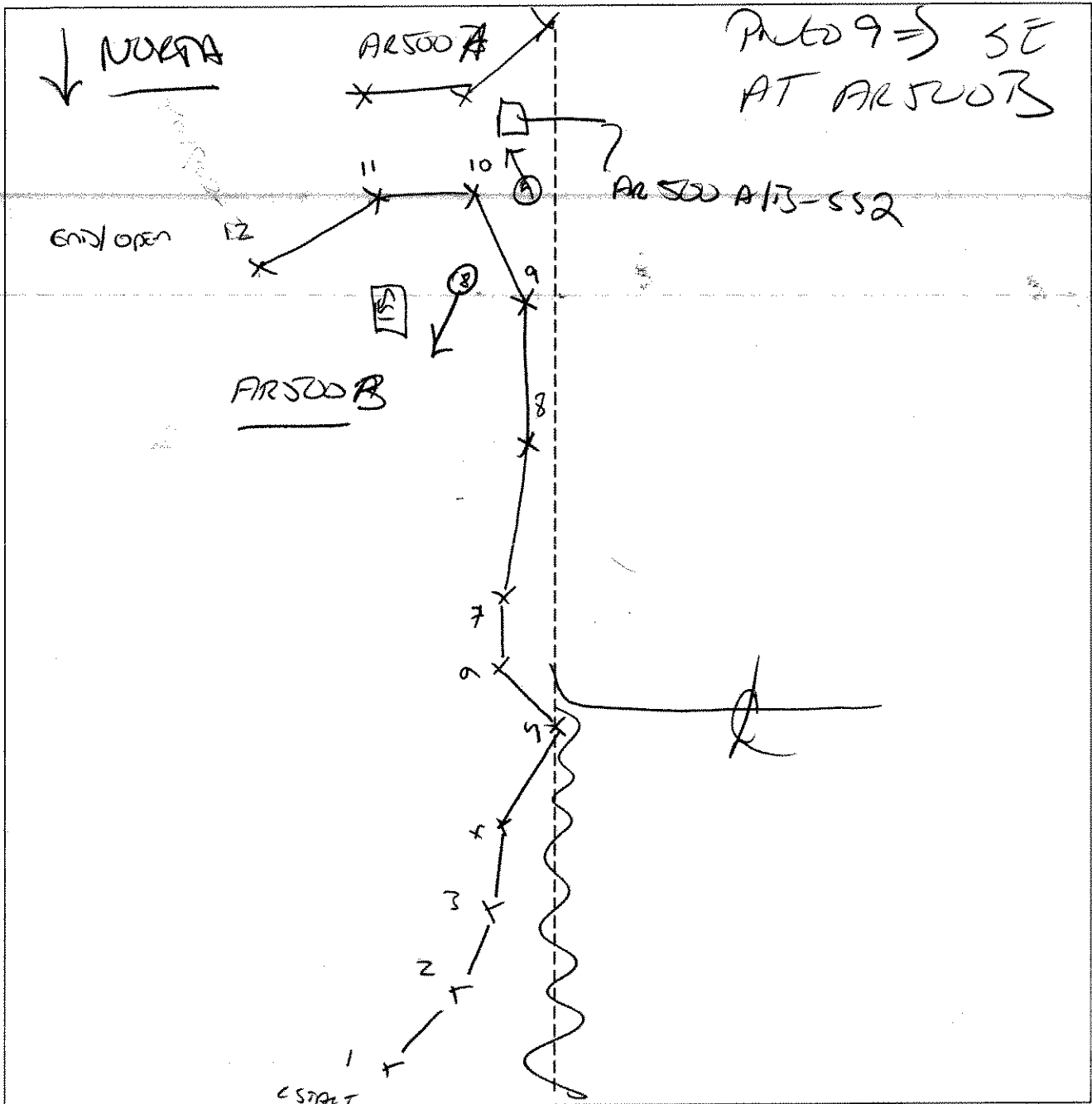
R
New
Some new

According to MK
King this is his
compiled - but he
was not printed
it in a few (2)
years.

No evidence of
Recent Ar use by
KSYM

SKETCH FORM

| | | |
|---------------------------------------|--|-------------------|
| Wetland ID/Route #: <u>AR500 A/B</u> | Date: <u>11/3/05</u> | Time: <u>1400</u> |
| Initials of Delineators: <u>(187)</u> | Location: <u>King project</u> | |
| Roll #: <u>X</u> | Frames: <u>photo 8 ⇒ NNE AT AR500A ?</u> | |



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

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u> | Date: <u>11/04/05</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)? 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>Wetland</u> Transect ID: Plot ID: <u>NR502-A-SS1</u> |

VEGETATION

| Plant Community Classification: <u>PSS/PEM10W</u> | | | | | |
|--|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: | | Tree: | Shrub: | Herb: | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Silky Willow</u> | <u>S</u> | <u>FACW</u> | 9. | | |
| 2. <u>Speckled Alder</u> | <u>S</u> | <u>FACW</u> | 10. | | |
| 3. <u>Red Osier dogwood</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Meadow Sweet</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Beak Willow</u> | <u>S</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: | | | | | |

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 <u>in areas</u> <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 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.): Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u> | |
| Remarks: | |

Date: 11/4/05
 Community ID: Wetland
 Plot ID: ARMA A-SSI

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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not collected

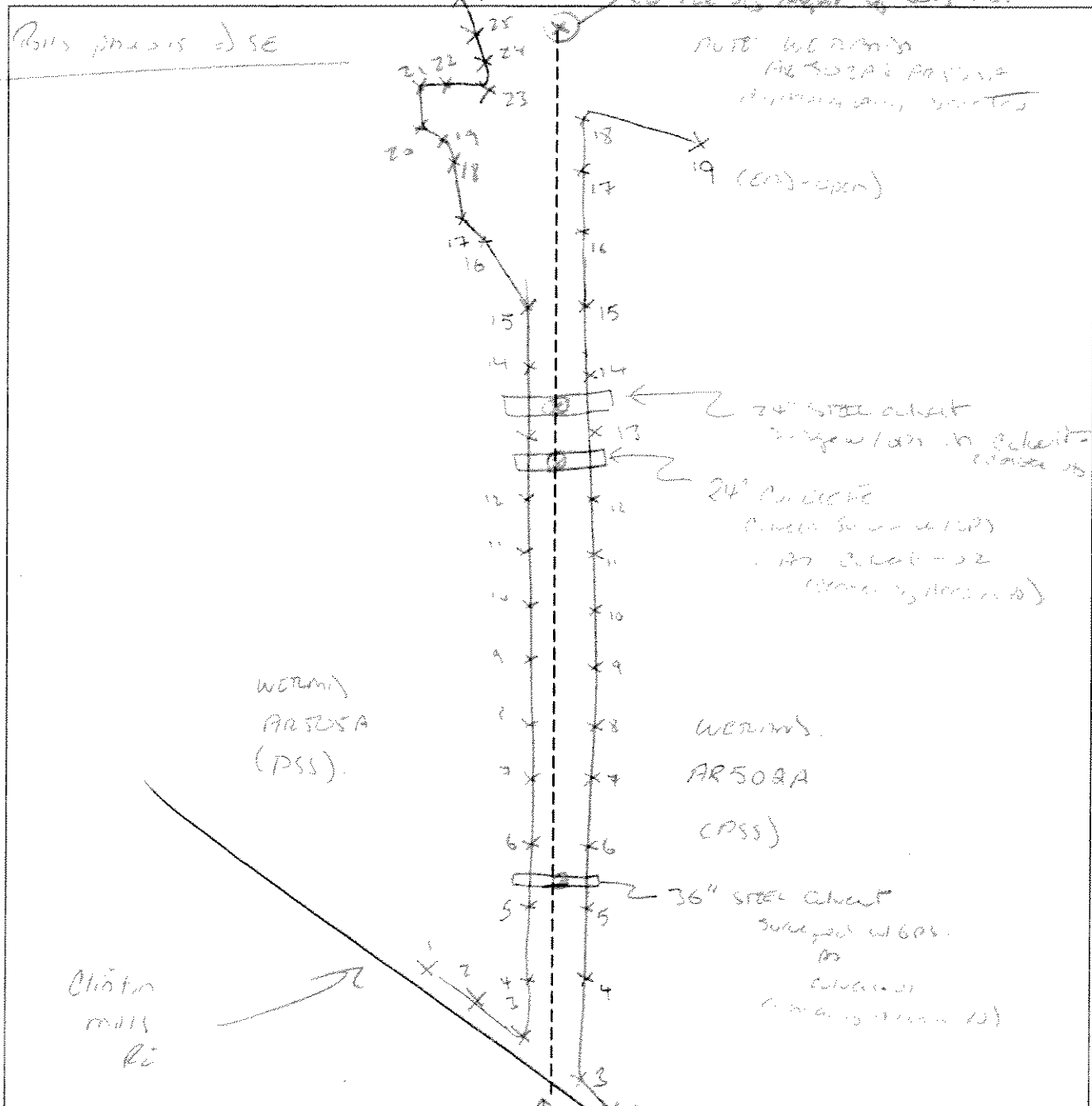
WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|--------------------------|--|
| 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

SKETCH FORM

| | | | |
|--------------------------------------|------------|-----------------------------|------------|
| Wetland ID/Route #: AR502A / AR505A | | Date: 11/4/05 | Time: 1400 |
| Initials of Delineators: [Signature] | | Location: Dick CLE Railroad | |
| Roll #: * | Frames: 15 | Right-of-Way | |



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

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

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u> | Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</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: <u>PSS</u> Transect ID: <u>wetland</u> Plot ID: <u>AR505A B SSI</u> |

VEGETATION

| Plant Community Classification: <u>PSS</u> | | | | | |
|--|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>85%</u> Herb: <u>95%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Silky willow</u> | <u>S</u> | <u>OBL</u> | 9. | | |
| 2. <u>Meadow Sweet</u> | <u>S</u> | <u>FACW+</u> | 10. | | |
| 3. <u>Moss sp.</u> | <u>H</u> | <u>—</u> | 11. | | |
| 4. <u>Reed Canary Grass</u> | <u>H</u> | <u>FAC</u> | 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 checked="" 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 <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>2"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

Date: 5-7-06
 Community ID: Wetland
 Plot ID: AR505A ~~SS1~~ 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. |
| 0-3 | O | — | — | — | Organic w/roots |
| 3-12 | A1 | 7.5YR-2.5/1 | — | — | Silt w/roots |
| 12-18 | A2 | 7.5YR-2.5/1 | — | — | Silt w/peat inclusions |
| | | | | | |
| | | | | | |
| | | | | | |
| 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: | | | | | |

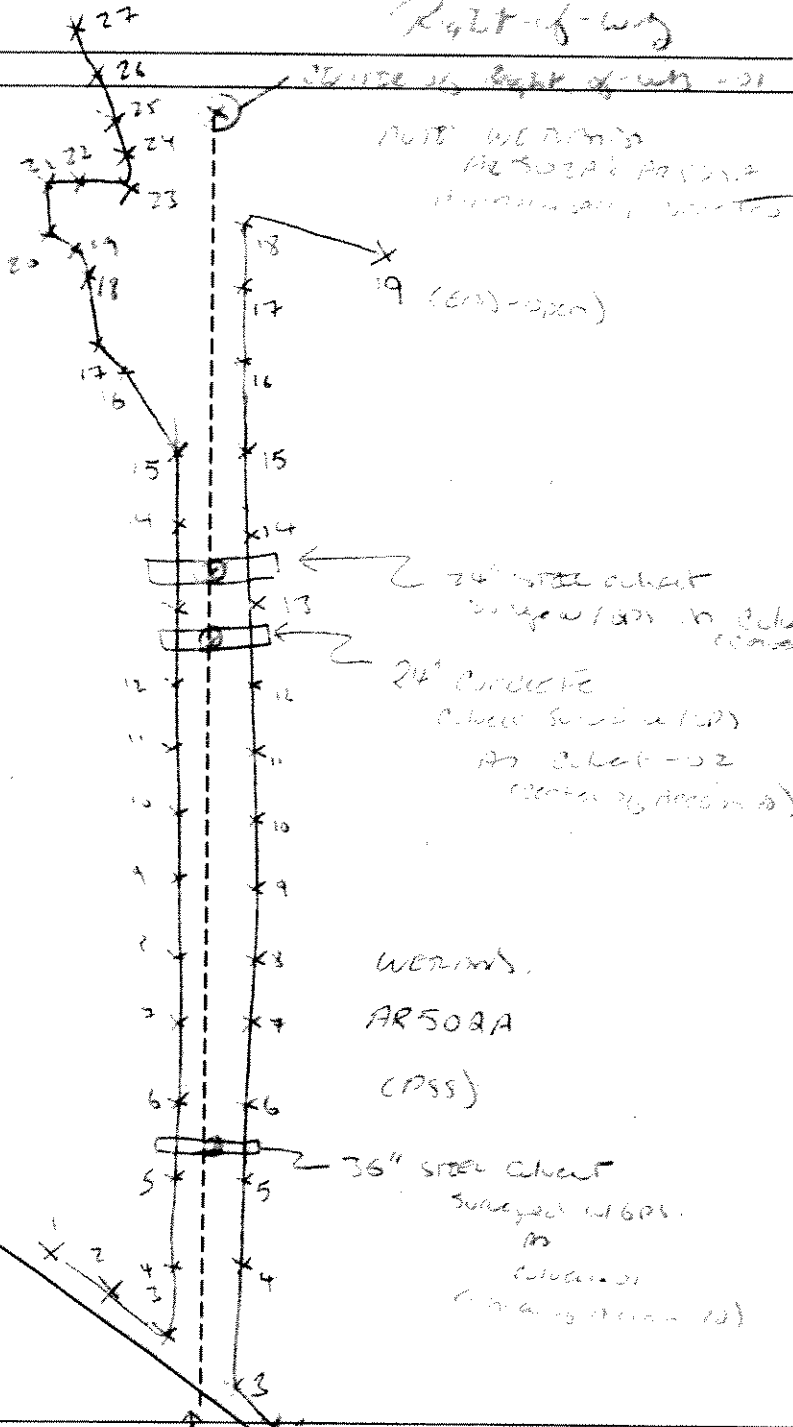
WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|--------------------------|--|
| 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 | | | |
| Photo 1 => S | | | |

SKETCH FORM

| | | |
|--------------------------------------|------------------------------|------------|
| Wetland ID/Route #: AR503A AR505A | Date: 11/4/05 | Time: 1400 |
| Initials of Delineators: [Signature] | Location: Dick Cole Railroad | |
| Roll #: X | Frames: 15 | |

Rolls axis is SE



| Legend | |
|--------|--------------------------|
| ⊙ | Photo Location/Direction |
| ▭ | Sample Station |
| --- | Centerline |
| ▽ | Flag |
| / | Wetland |
| — | Upland |
| — | Stream |
| - . - | Intermittent Stream |

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

| | |
|---|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH N</i> | Date: <i>5-7-06</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: <i>Upland</i> Plot ID: <i>AR505 A-B-SS2</i> |

VEGETATION

| Plant Community Classification: <i>Grasses along roadside</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Grass sp</i> | <i>H</i> | <i>-</i> | 9. | | |
| 2. <i>Dandelion</i> | <i>H</i> | <i>FACU-</i> | 10. | | |
| 3. <i>reed canopy grass</i> | <i>H</i> | <i>FAC</i> | 11. | | |
| 4. <i>Milkweed</i> | <i>H</i> | <i>UPL</i> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i> | | | | | |
| Remarks: <i>upland point taken on old rail-road bed - soils are all fill</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 | 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: 5-7-06
 Community ID: Clinton
 Plot ID: AR505A/B-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. |
| 0-6 | O | 10YR-2/1 | - | - | Sandy Loam w/roots |
| 6-10 | A | 10YR-4/3 | - | - | 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:

WETLAND DETERMINATION

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

Remarks

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

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>JKH, JV</i> | Date: <i>5/7/06</i> County: <i>Clinton</i> State: <i>NJ</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 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>wetland</i> Transect ID: <i>PSS10W/PFO</i> Plot ID: <i>AR505A-553</i> |

VEGETATION

| Plant Community Classification: <i>PSS/PFO1/W</i> | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Populus tremuloides</i> | S | FACW | 10. | | |
| 3. <i>Viburnum lentago</i> | S | FAC | 11. | | |
| 4. <i>Carex sp</i> | A | - | 12. | | |
| 5. <i>Reed Canary Grass</i> | H | FACW | 13. | | |
| 6. <i>Juncus effusus</i> | H | FACW | 14. | | |
| 7. <i>Iris Blue Flag</i> | OBL/H | OBL | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i> | | | | | |
| 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 | Wetland Hydrology Indicators: 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 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>6"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | Remarks: <i>pit # 3 looks S @ 553</i> |

Date: 5-7-06
 Community ID: Wetland
 Plot ID: AR505A SSB

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 | O | 7.5YR-2.5/2 | | | thick part/organic |
| 6-10 | A ₁ | 10YR-2/1 | | | sand loam/roots |
| 10-12 | A ₂ | 10YR-5/1 | 10YR-5/6 | Common/coarse/faint | 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 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"

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

- wetland next to old RRR bed
 - beaver activity in wetland

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

| | |
|---|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>HORIZON Wind Power LLC</u> Investigator: <u>JS/JS</u> | Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>AR505A NY</u> |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) | Community ID: Transect ID: <u>Upland</u> Plot ID: <u>AR505A SSA</u> |

VEGETATION

Plant Community Classification: Slightly forested (red maples) / mowed grassland along road
 Percent Canopy Cover: Tree: 10 Shrub: 30 Herb: 100 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------|----------|--------------|------------------------|---------|-----------|
| 1. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Populus tremuloides</u> | <u>S</u> | <u>FACU</u> | 10. | | |
| 3. <u>Strawberry</u> | <u>H</u> | <u>FACU</u> | 11. | | |
| 4. <u>Golden Rod sp</u> | <u>H</u> | <u>-</u> | 12. | | |
| 5. <u>Grass sp</u> | <u>H</u> | <u>-</u> | 13. | | |
| 6. <u>red canopy grass</u> | <u>H</u> | <u>FACW+</u> | 14. | | |
| 7. <u>Panicum</u> | <u>H</u> | <u>FACU-</u> | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 40%

Remarks: old RR bed, fill soils

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 <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>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u> | |
| Remarks: | |

Date: 5/7/06
 Community ID: upland
 Plot ID: AR 505A-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-2 | O | 10YR-2/1 | | | silt sand |
| 2-18 | Ap | 2.5Y-4/3 | | | 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: Ap backfill soil/sand used for RR bed

WETLAND DETERMINATION

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

Remarks

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

| | |
|--|---|
| Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>HORIZON Wind Power LLC</u> Investigator: | Date: <u>5-7-06</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: <u>W1PSS</u> Transect ID: <u>Wetland</u> Plot ID: <u>AR505B-SS1</u> |

VEGETATION

| Plant Community Classification: <u>PSS</u> | | | | | |
|--|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Silly willow</u> | <u>S</u> | <u>OBL</u> | 9. | | |
| 2. | <u>S</u> | | 10. | | |
| 3. <u>Speckled Alder</u> | <u>S</u> | <u>FACW+</u> | 11. | | |
| 4. <u>Red Canary Grass</u> | <u>H</u> | <u>FACW+</u> | 12. | | |
| 5. <u>Coat tails</u> | <u>H</u> | <u>OBL</u> | 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 checked="" 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 <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>4</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

Date: 5-7-06
 Community ID: Wetland
 Plot ID: AR505B-SSI

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 | O/A ₁ | 7.5YR-2/1 | | | Silt loam / roots |
| 12-14 | O/A ₂ | 7.5YR-2.5/1 | | | Sandy loam |
| 14-18 | O/A ₃ | 7.5YR-2.5/1 | | | Silt loam / peat inclusions |
| | | | | | |
| | | | | | |

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: _____

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: pit #2 looks like ssi

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

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u> | Date: <u>5-7-06</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)? 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>Uproadside</u> Transect ID: <u>Upland</u> Plot ID: <u>AR505B SSA</u> |

VEGETATION

| Plant Community Classification: <u>roadside grasses</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>Grass sp</u> | <u>H</u> | <u>—</u> | 9. | | |
| 2. <u>reed canopy</u> | <u>H</u> | <u>FACW F</u> | 10. | | |
| 3. <u>strawberry</u> | <u>H</u> | <u>FACW</u> | 11. | | |
| 4. <u>willow</u> | <u>H</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>33%</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 | 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.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u> | |
| Remarks: | |

Date: 5-7-06
 Community ID: Road side
 Plot ID: AR505B-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. |
| 0-2 | O | 7.5YR-3/1 | | | Sand loam / roots |
| 2-18 | Ap | 7.5YR-2.5/1 | | | sand 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: Soils very sandy, not saturated - composed of mostly fill from RRA bed. I called the fill an Ap layer

WETLAND DETERMINATION

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

Remarks

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

| | |
|---|--|
| Project Site: <i>Masble River</i> Applicant/Owner: <i>Horizon wind power LLC</i> Investigator: <i>KAT, JV</i> | Date: <i>5/7/06</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>wetland</i> Transect ID: Plot ID: <i>AA505B-553</i> |

VEGETATION

| Plant Community Classification: <i>PSS/PFD1</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>90</i> Herb: <i>90</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | <i>T</i> | <i>PTC</i> | 9. | | |
| 2. <i>speckled Alder</i> | <i>S</i> | <i>FACW+</i> | 10. | | |
| 3. <i>red Cowory grass</i> | <i>H</i> | <i>FACW+</i> | 11. | | |
| 4. <i>Carex sp</i> | <i>H</i> | <i>—</i> | 12. | | |
| 5. <i>fern sp.</i> | <i>H</i> | <i>—</i> | 13. | | |
| 6. <i>Canada Mayflower</i> | <i>H</i> | <i>FAC-</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 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 checked="" 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 <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>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

Date: 5/7/06
 Community ID: wetland
 Plot ID: AR 505 B-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. |
| 0-3 | B | 7.5YR-2.5/1 | | | organics/silt w/ roots |
| 3-18 | A | 10YR-2/1 | | | silt clay/roots |
| | | | | | |
| | | | | | |
| | | | | | |

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 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 | 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

pit #4 looks N @ 553

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

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i> | Date: <i>5/7/06</i> County: <i>Clinton</i> State: <i>NY</i> |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR 505B-554</i> |

VEGETATION

| Plant Community Classification: <i>Grassland along road</i> Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: | | | | | |
|--|----------|-------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Populus tremuloides</i> | <i>S</i> | <i>FACW</i> | 10. | | |
| 3. <i>Rubus sp.</i> | <i>S</i> | <i>—</i> | 11. | | |
| 4. <i>Grass sp</i> | <i>H</i> | <i>—</i> | 12. | | |
| 5. <i>Golden rod sp</i> | <i>H</i> | <i>—</i> | 13. | | |
| 6. <i>Strawberry</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: | | | | | |

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 <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: 5/7/06
 Community ID: upland
 Plot ID: AR 505B-554

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 | | | silt sand |
| 3-6 | A | 10YR-3/2 | | | silt sand |
| 6-18 | A ₁ | 10YR-4/3 | | | silt 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: sandy soil on old AR bed

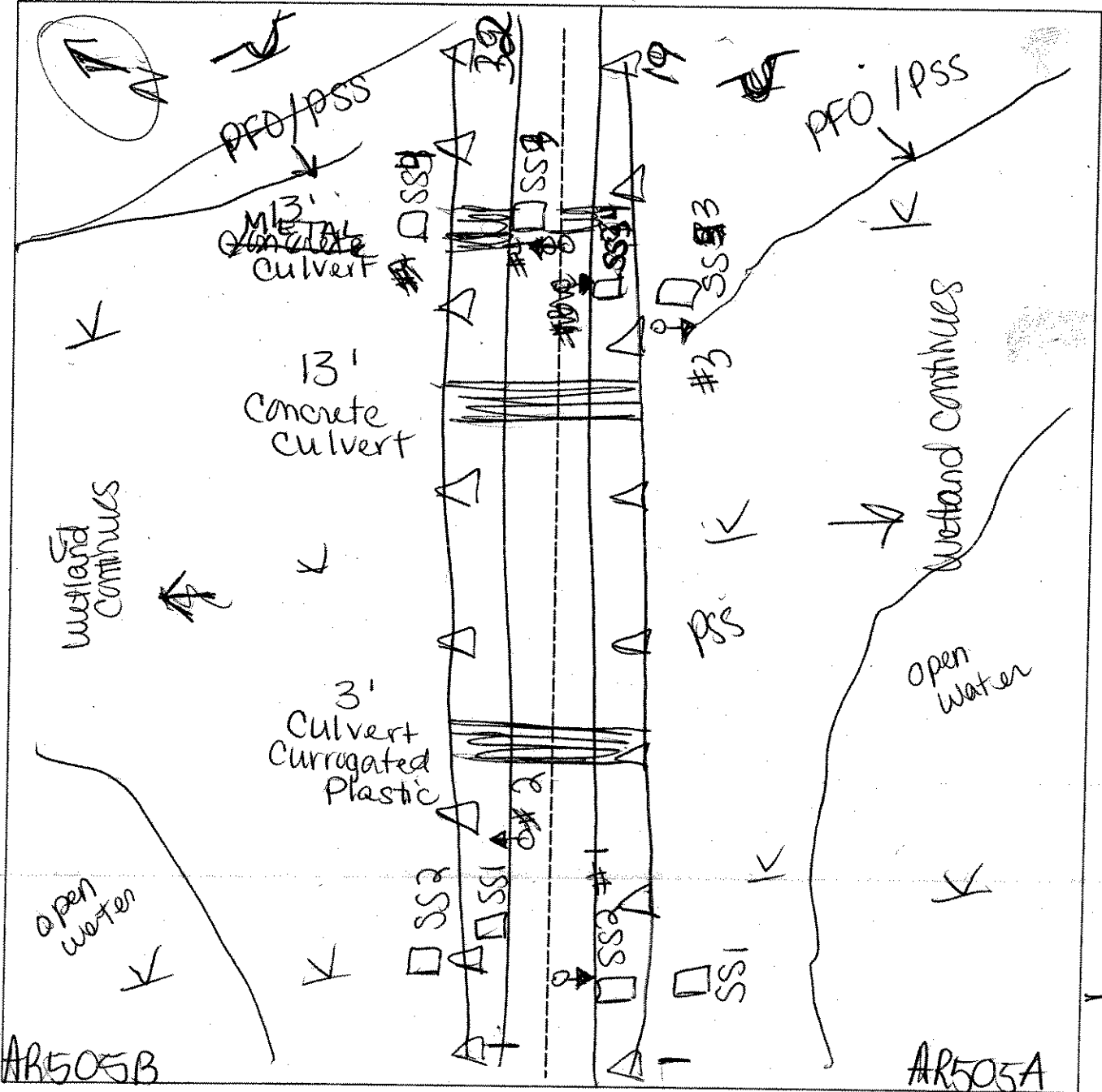
WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|---|
| 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: Atypical soils - old fill used for AR bed - not hydric

SKETCH FORM

| | | |
|-------------------------------|--------------|-------|
| Wetland ID/Route #: AR 505A/B | Date: 2-7-06 | Time: |
| Initials of Delineators: KH N | Location: | |
| Roll #: | Frames: | |



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

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

| | |
|---|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power</u> Investigator: <u>RH JV</u> | Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</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>PSS/PEM/OW</u> Transect ID: Plot ID: <u>AR5006/B-SS1</u> |

VEGETATION

| Plant Community Classification: <u>PSS/PEM/OW</u> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>0</u> Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Speckled Alder</u> | <u>S</u> | <u>FACW+</u> | 9. | | |
| 2. <u>Olely Birch</u> | <u>S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Bled Canary Grass</u> | <u>H</u> | <u>FACW+</u> | 11. | | |
| 4. <u>Sphagnum sp.</u> | <u>H</u> | <u>OBL*</u> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>NO 1.</u> | | | | | |
| Remarks: <u>* Not listed; Assumed OBL</u> | | | | | |

HYDROLOGY

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

Date: 5-7-06
 Community ID: Wetland
 Plot ID: AR506B 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. |
| 0-6 | O | 10YR-2/1 | - | - | Silt loam w/ roots |
| 6-14 | A ₁ | 10YR-4/1 | - | - | Silt sand clay with |
| 14-18 | A ₂ | 10YR-3/2 | - | - | 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks:

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: <u>Maule River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u> | Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</u> |
| Do Normal Circumstances exist on the site? <u>Yes</u> No 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: <u>upland</u> Transect ID: Plot ID: <u>AR 506B-55a</u> |

VEGETATION

| Plant Community Classification: <u>Deciduous Forest</u> | | | | | |
|--|---------------------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>90%</u> , Shrub: <u>20%</u> , Herb: <u>10%</u> , Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Prunus nigrescens</u> | <u>T</u> | | 10. | | |
| 3. <u>Populus grandidentata</u> | <u>T</u> | <u>FACU-</u> | 11. | | |
| 4. <u>Acer rubrum</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Canada May Flower</u> | <u>S</u> | <u>FAC-</u> | 13. | | |
| 6. <u>Bracken Fern</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>Clubmoss sp</u> | <u>H</u> | <u>---</u> | 15. | | |
| 8 | | | 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): 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 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 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>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u> | |
| Remarks: | |

Date: 5-7-06
 Community ID: Upland
 Plot ID: 506B-852

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 | | | Silt loam |
| 2-10 | A ₁ | 10YR 5/3 | 10YR 5/6 | Few/Coarse/Distinct | Sandy silt |
| 12-18 | A ₂ | 2.5Y 5/3 | 10YR 5/8 | Few/Fine/Faint | 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 checked="" 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:

Redox features with chroma 3. Not hydric

WETLAND DETERMINATION

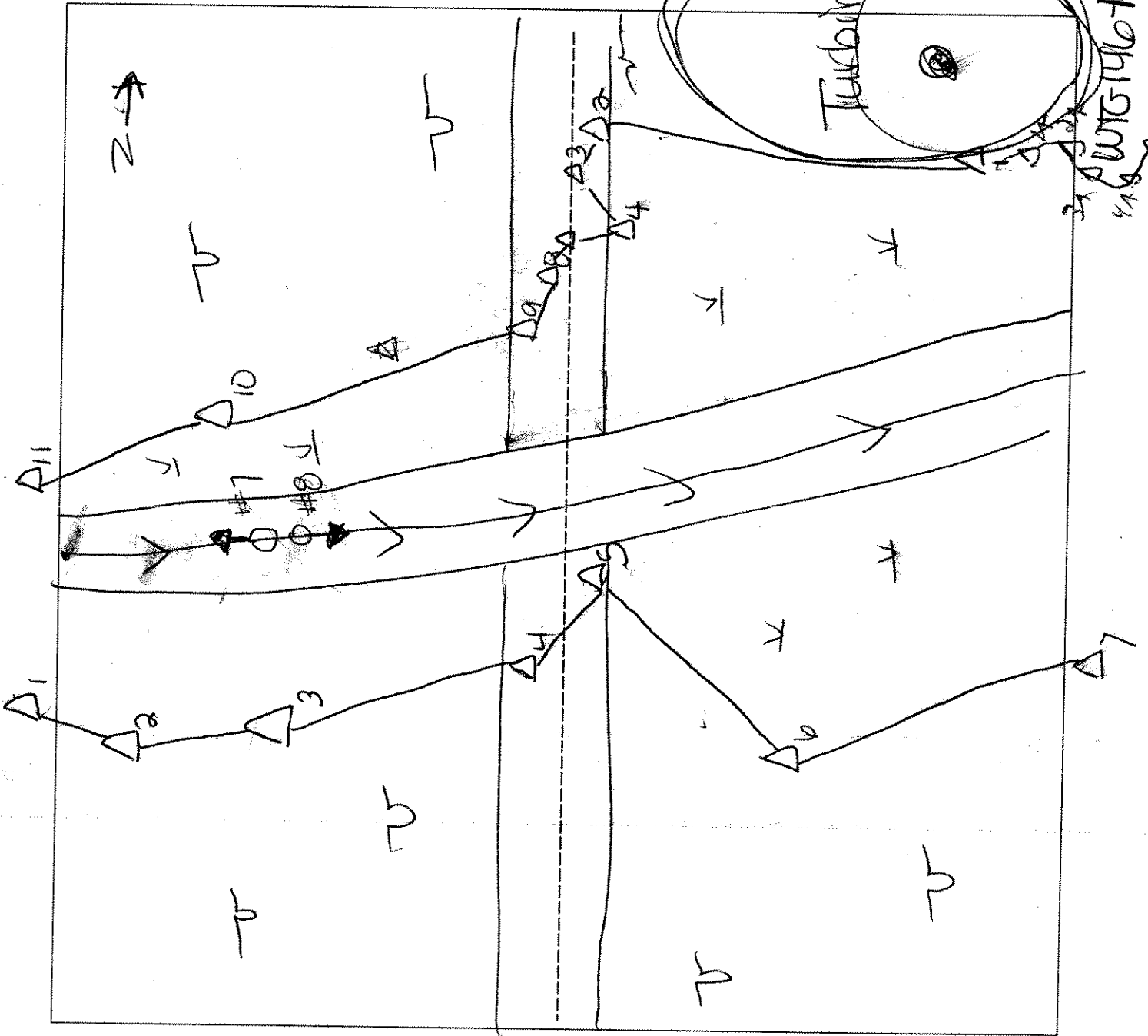
| | | |
|---|--|--|
| Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present? | <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
|---|--|--|

Remarks

AR506, OH1206

SKETCH FORM

| | | | |
|---|-----------------|-------------------------------------|-------|
| Wetland ID/Route #: AR506A/B + AR506-ST | | Date: 5-7-06 | Time: |
| Initials of Delineators: KHJV | | Location: Between turbines M/R +147 | |
| Roll #: KH | Frames: 6, 7, 8 | | |



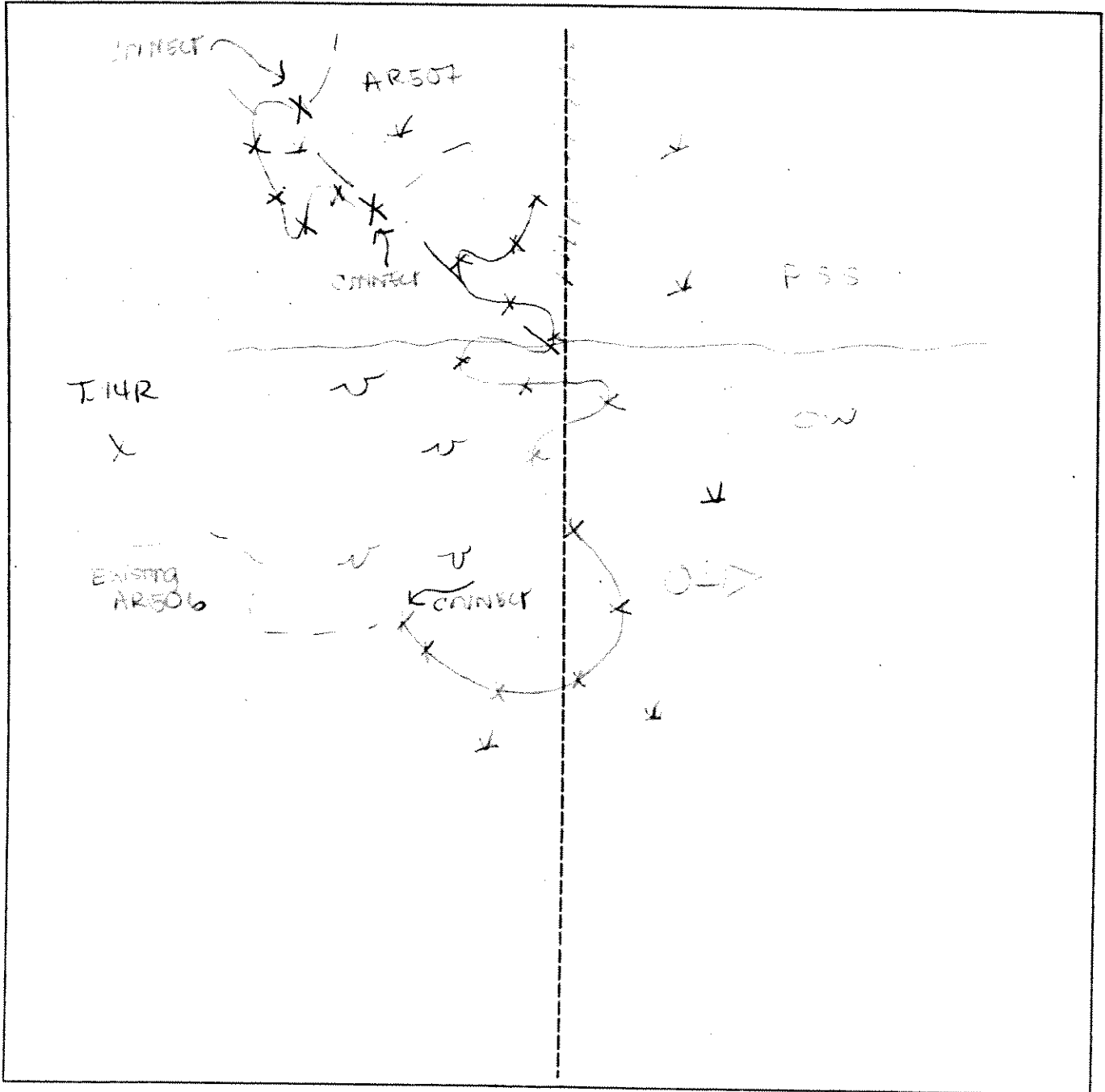
SWITCH-R
 5A
 6A
 7A
 8A

Legend

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

SKETCH FORM

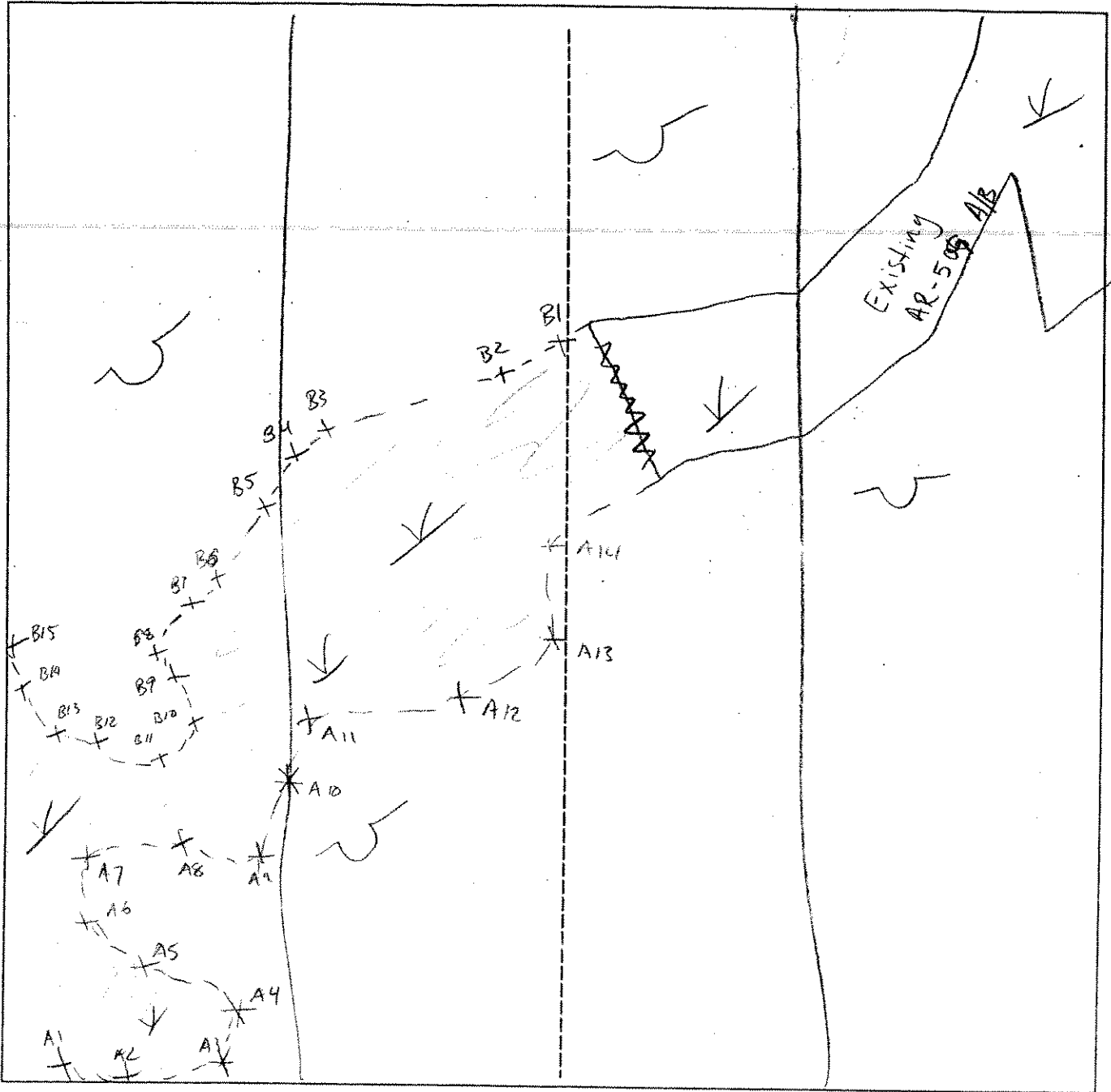
| | | | |
|-----------------------------------|---------|------------------------------------|------------|
| Wetland ID/Route #: AR506 + AR507 | | Date: 7/7/06 | Time: 9:00 |
| Initials of Delineators: JB JV | | Location: OH From RR tracks to LRP | |
| Roll #: | Frames: | | |



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

SKETCH FORM

| | | | |
|---|---------|----------------------------|-------|
| Wetland ID/Route #: AR-506 A/B OH-1206 A/B | | Date: 8-25-06 | Time: |
| Initials of Delineators: PF, AG, JV, DO | | Location: Marble River LLC | |
| Roll #: | Frames: | | |



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

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD | Date: 11/7/06 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: Wetland Transect ID: Plot ID: AR507-A-SS1 |

VEGETATION

| Plant Community Classification: PSS/PEM | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Speckled Alder | S | FACW | 9. | | |
| 2. Gray Birch | S | FAC | 10. | | |
| 3. Grass sp. | H | — | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: Hydro indicators not identified on field notes | |

Date: 11/7/06
 Community ID:
 Plot ID: AR507-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- 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: Not collected

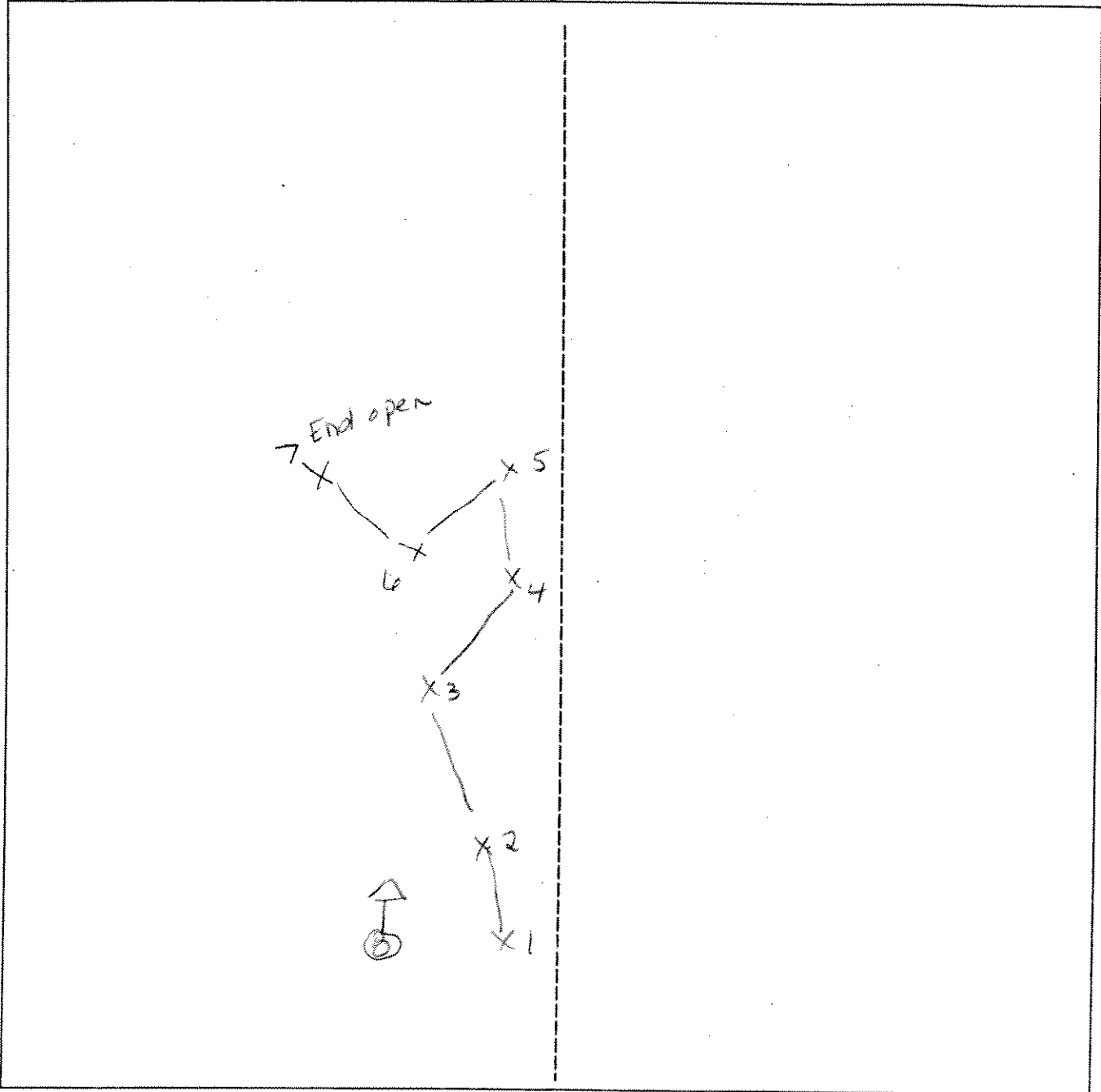
WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|--------------------------|--|
| 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

SKETCH FORM

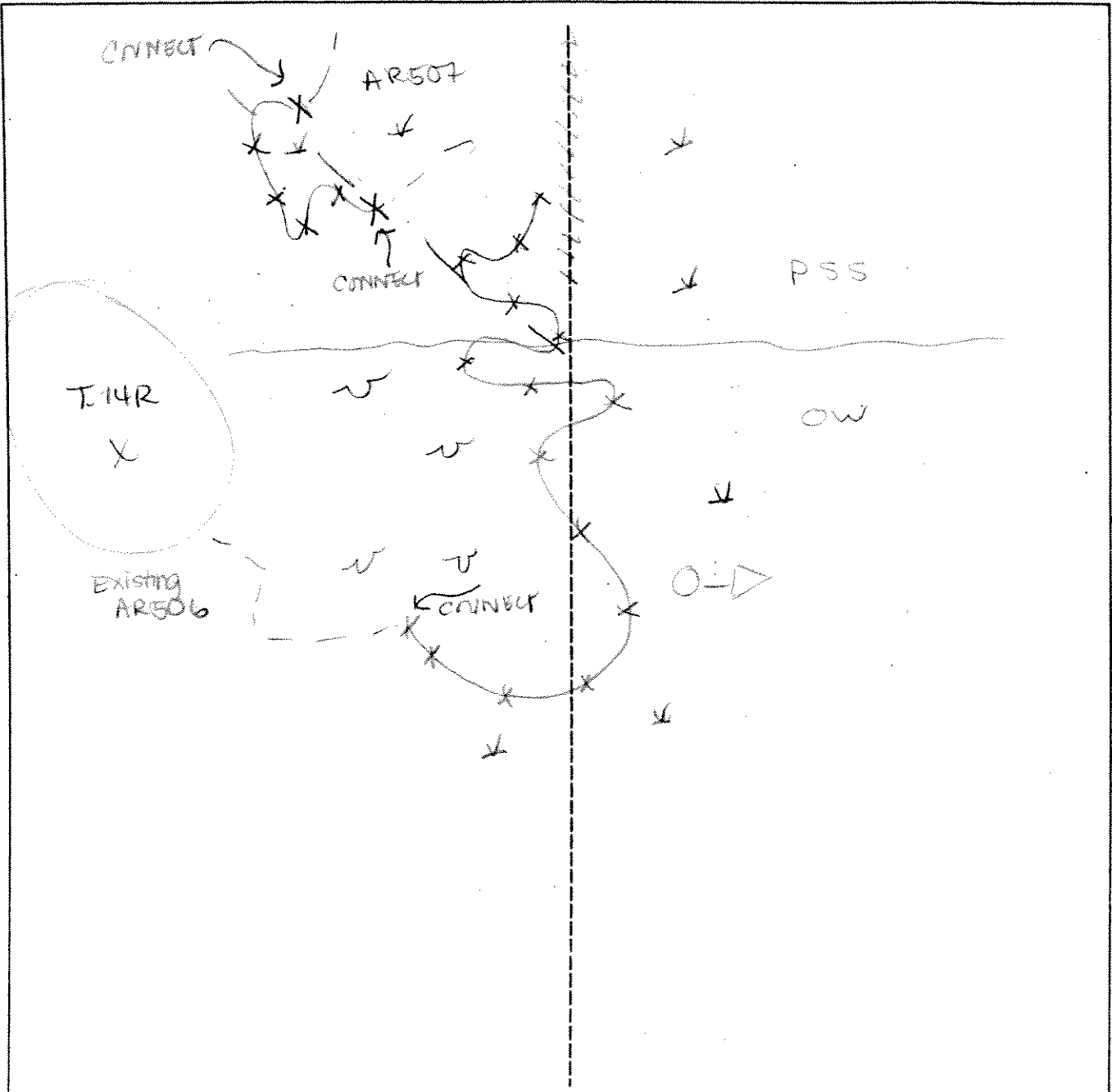
| | | |
|------------------------------|--|------------|
| Wetland ID/Route #: AR507-A | Date: 11/7/06 | Time: 1600 |
| Initials of Delineators: RJD | Location: AR @ RR tracks off C. Mills Rd | |
| Roll #: #8 => SW @ AR507A | Frames: | |



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

SKETCH FORM

| | | | |
|---|---------|---|------------------|
| Wetland ID/Route #: AR506 OH1356 + AR507 | | Date: 11/7/06 | Time: 900 |
| Initials of Delineators: JB JV | | Location: OH From RR tracks to LaFayette | |
| Roll #: | Frames: | | |



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

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

| | | | | | | | |
|--|--|---------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP. | Date: 5/11/07 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 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 checked="" type="radio"/></td> </tr> </table> | Yes <input type="radio"/> | No <input 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 <input type="radio"/> | | | | | | |
| Yes <input type="radio"/> | No <input checked="" type="radio"/> | | | | | | |
| Yes <input type="radio"/> | No <input checked="" type="radio"/> | | | | | | |
| Community ID: PSS Transect ID: Plot ID: AR507 A S51 | | | | | | | |

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: <5 Shrub: 80 Herb: 100 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Alnus rugosa</i> | S | FACW | 9. | | |
| 2. <i>Betula papyrifera</i> | S | FAC | 10. | | |
| 3. <i>Sagittaria arifolia</i> | S | FACW | 11. | | |
| 4. <i>Sphagnum</i> > 50% | H | OBL | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks:

HYDROLOGY

| | |
|--|---|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> 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.): Surface Depth to Free Standing Water in Pit (in.): 1" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 5/11/07
 Community ID: Wetland SS1
 Plot ID: AR507A

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 | D | 10YR 2/1 | | | Silt loam, litter |
| 4-8 | A | 10YR 4/1 | | | clay loam |
| 8-12 | A1 | 10YR 4/2 | 10YR 5/1 | few, fine | clay |
| | | | | | |
| | | | | | |

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? | <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 | Photo 3 = NE DEC WL | |

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

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/11/07</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>UPL</u> Transect ID: Plot ID: <u>AR507A SSA</u> |

VEGETATION

EXT

| Plant Community Classification: <u>Mixed deciduous</u> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>40</u> Herb: <u>35</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>A. rubrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Drumus Serotina</u> | <u>T</u> | <u>FACU</u> | 10. | | |
| 3. <u>Opulus tremuloides</u> | <u>T</u> | <u>FACU</u> | 11. | | |
| 4. <u>Viburnum lentago</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Serotina</u> | <u>S</u> | <u>FACU</u> | 13. | | |
| 6. <u>Maianthemum Canadensis</u> | <u>H</u> | <u>FAC</u> | 14. | | |
| 7. <u>Fragaria</u> | <u>H</u> | <u>FACU</u> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>250%</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 checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: <u>NA</u> 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: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/11/07
 Community ID: UPL
 Plot ID: AR507A 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 | D | 5YR 2.5/2 | | | |
| 3-12 | A | 10YR 2/1 | 10YR 5/3 | distinct, few, med | Clay lam |
| 12-16 | B | 10YR 5/3 | | | 2-4 clay lam |
| | | | | | |
| | | | | | |

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: Organic Streaking in B horizon

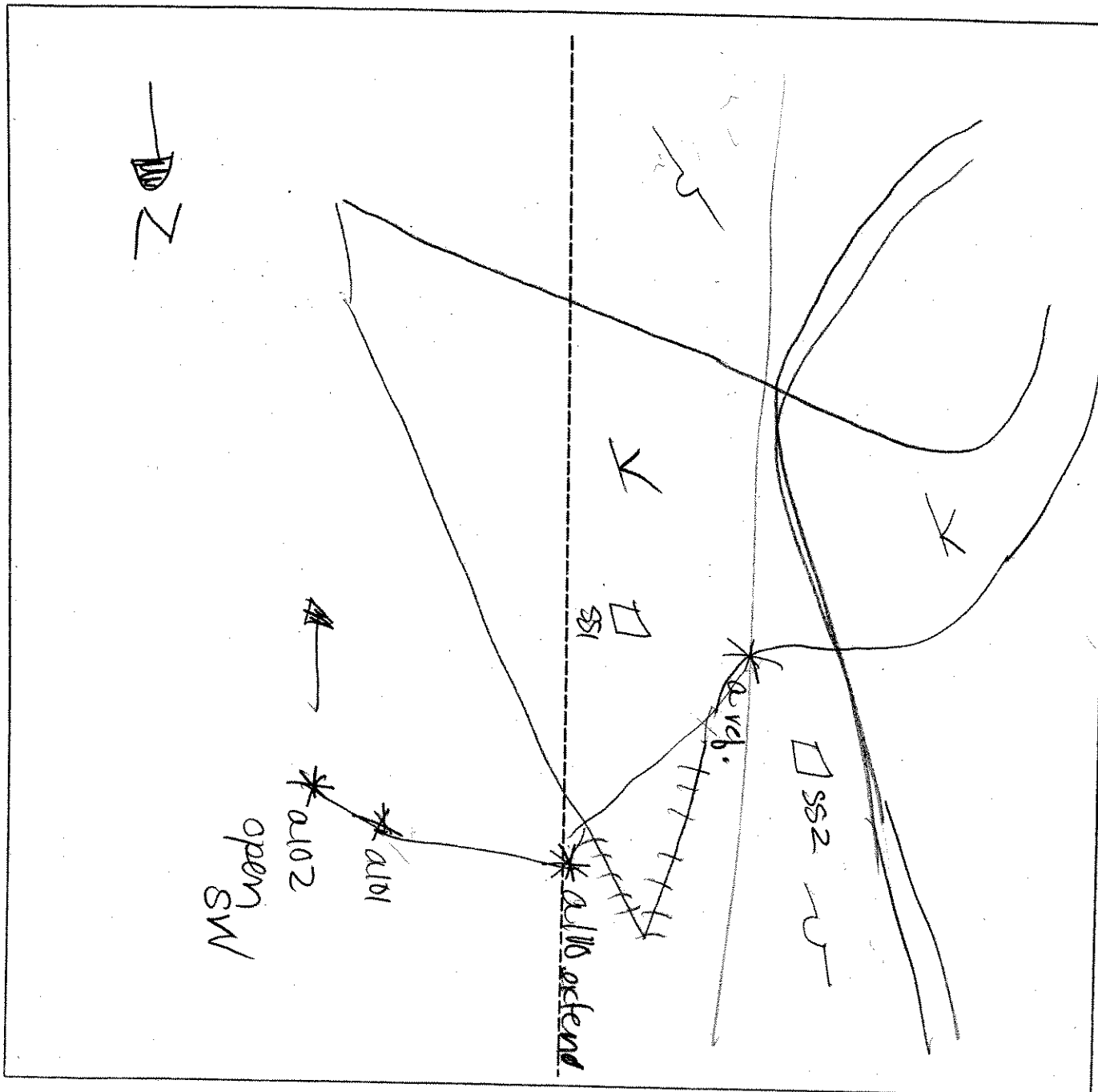
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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: Area is beginning to be logged

SKETCH FORM

| | |
|--|------------------------------|
| Wetland ID/Route #: AR507 EXTENSION | Date: 11 May 07 Time: |
| Initials of Delineators: UV AP | Location: |
| Roll #: | Frames: |



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

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

| | |
|---|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJ</u> | Date: <u>5-9-06</u> County: <u>Clinton</u> State: <u>NV</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: <u>Wetland</u> Transect ID: Plot ID: <u>AR508A/BSS1</u> |

VEGETATION

| Plant Community Classification: <u>PSS/PEM</u> | | | | | |
|---|----------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>30</u> Herb: <u>90</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Betula populifolia</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Acer rubrum</u> | <u>S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Viburnum lentago</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Sphagnum moss</u> | <u>H</u> | <u>OBL</u> | 12. | | |
| 5. <u>Clubmoss sp.</u> | <u>H</u> | <u>←</u> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: <div style="text-align: center; margin-top: 10px;"><u>through</u></div> <u>Evidence of logging</u> <u>Soil Station area</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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>2"</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u> | |
| Remarks: | |

Date: 5-9-06
 Community ID: wetland
 Plot ID: AR508N/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. |
| 0-6 6-10 | O/A E | 10YR 5/2 | 10YR 3/4 | many coarse/faint | peat/organics silty sand |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 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 10 inches | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|---|
| Hydrophytic Vegetation Present? | Yes | No | Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No |
| Wetlands Hydrology Present? | Yes | No | |
| Hydric Soils Present? | Yes | No | |
| Remarks: picture #4 looks NW | | | |

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

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind power LLC</i> Investigator: <i>BSH JV</i> | Date: <i>5/9/06</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: Plot ID: <i>AA508.M1B SSA</i> |

VEGETATION

| Plant Community Classification: <i>Deciduous Forest</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>15</i> Herb: <i>80</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Betula papyrifera</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Big Topak Aspen</i> | <i>T</i> | <i>FACU-</i> | 10. | | |
| 3. <i>Acer rubrum</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Tree like club moss</i> | <i>H</i> | <i>FACU</i> | 12. | | |
| 5. <i>Low bush blueberry</i> | <i>H</i> | <i>FACU-</i> | 13. | | |
| 6. <i>Bracken Fern</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. <i>Moss sp</i> | <i>H</i> | <i>-</i> | 15. | | |
| 8. <i>Canada Muskthorn</i> | <i>H</i> | <i>FAC-</i> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>29%</i> | | | | | |
| Remarks: <i>Evidence of logging in area around soil station</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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>NA</i> Depth to Free Standing Water in Pit (in.): <i>10</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

Date: 5/9/06
 Community ID: Upland
 Plot ID: AR508 A/B 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. |
| 0-2 | O/A | 10YR-2/1 | | | Silt loam |
| 2-6 | A/E | 10YR-2/2 | | | silt sand |
| 6-12 | B | 7.5YR-3/3 | | | 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 12 inches

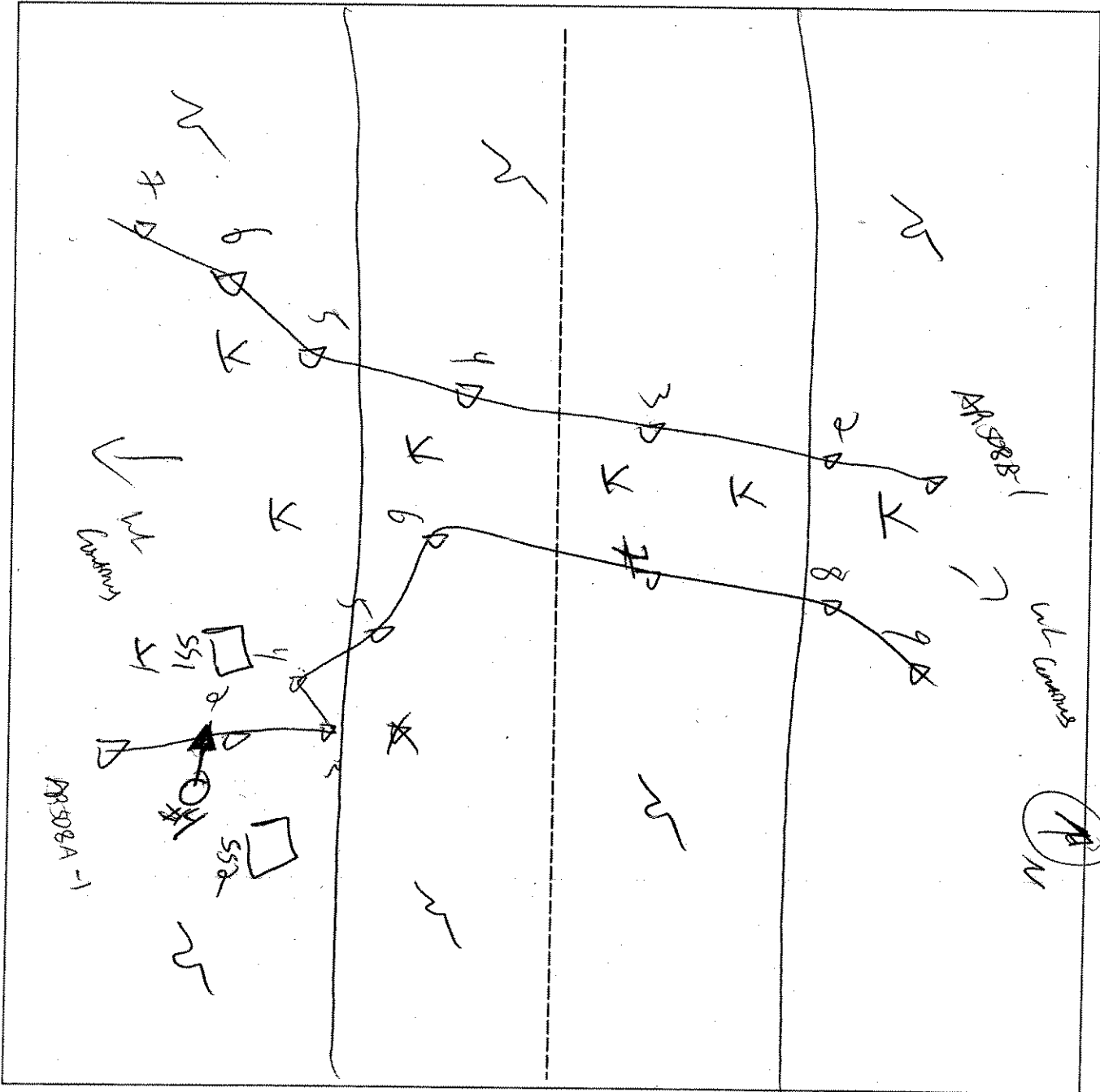
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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 checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Hydric Soils Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |

Remarks:

SKETCH FORM

| | | |
|--|------------------------------------|-------|
| Wetland ID/Route #: <i>AR 508 A/B</i> | Date: <i>5/9/06</i> | Time: |
| Initials of Delineators: <i>KH, JV</i> | Location: <i>WTB 147 → WTB 141</i> | |
| Roll #: <i>15A</i> | Frames: <i>4 looks NW</i> | |



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

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

| | |
|---|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u> | Date: <u>5-9-00</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)? 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>Wetland</u> Transect ID: Plot ID: <u>AR 509A/B SSI</u> |

VEGETATION

| Plant Community Classification: <u>PFO1</u> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>90</u> Herb: <u>55</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Red Pine</u> | <u>I</u> | <u>FAC</u> | 9. | | |
| 2. <u>Gray Birch</u> | <u>I</u> | <u>FAC</u> | 10. | | |
| 3. <u>Speckled Alder</u> | <u>S</u> | <u>FACW</u> | 11. | | |
| 4. <u>Alder</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> | 13. | | |
| 6. <u>Horse Tail</u> | <u>H</u> | <u>—</u> | 14. | | |
| 7. <u>Stink Currant</u> | <u>H</u> | <u>FACW</u> | 15. | | |
| 8. <u>Sedge Sp</u> | <u>H</u> | <u>—</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: <u>Very sparse shrub species</u> <u>Sphagnum / much mosses very near SSI</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 | Wetland Hydrology Indicators: 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 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>3 in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

Date: 5-9-06
 Community ID: Wetland
 Plot ID: AR509A)B 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. |
| 0-6 | O/A | 10YR-2/1 | | | Muck/roots/ |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 of auger @ 6 mds</i> | | | | | |

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: <i>pit #5 looks E @ SSI</i> | | | |

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

| | |
|--|---|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind power LLC</i> Investigator: <i>KHJV</i> | Date: <i>5-9-06</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 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>Upland</i> Transect ID: Plot ID: <i>AR509A/B SSA</i> |

VEGETATION

| Plant Community Classification: <i>Red Maple Deciduous</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>40</i> Herb: <i>10</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>Big tooth Asph Quaking</i> | <i>T</i> | <i>FACV</i> | 10. | | |
| 3. <i>* Dog Spathul Alder</i> | <i>S</i> | <i>FACW</i> | 11. | | |
| 4. <i>Canada May Flower</i> | <i>H</i> | <i>BAC-</i> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i> | | | | | |
| Remarks: <i>* Dog has underground shoots</i> <i>AR509A/B</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 | 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: 5/9/06
 Community ID: upland
 Plot ID: AR509A/B 852

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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | A | 7.5YR-3/3 | | | 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) |
|---|--|

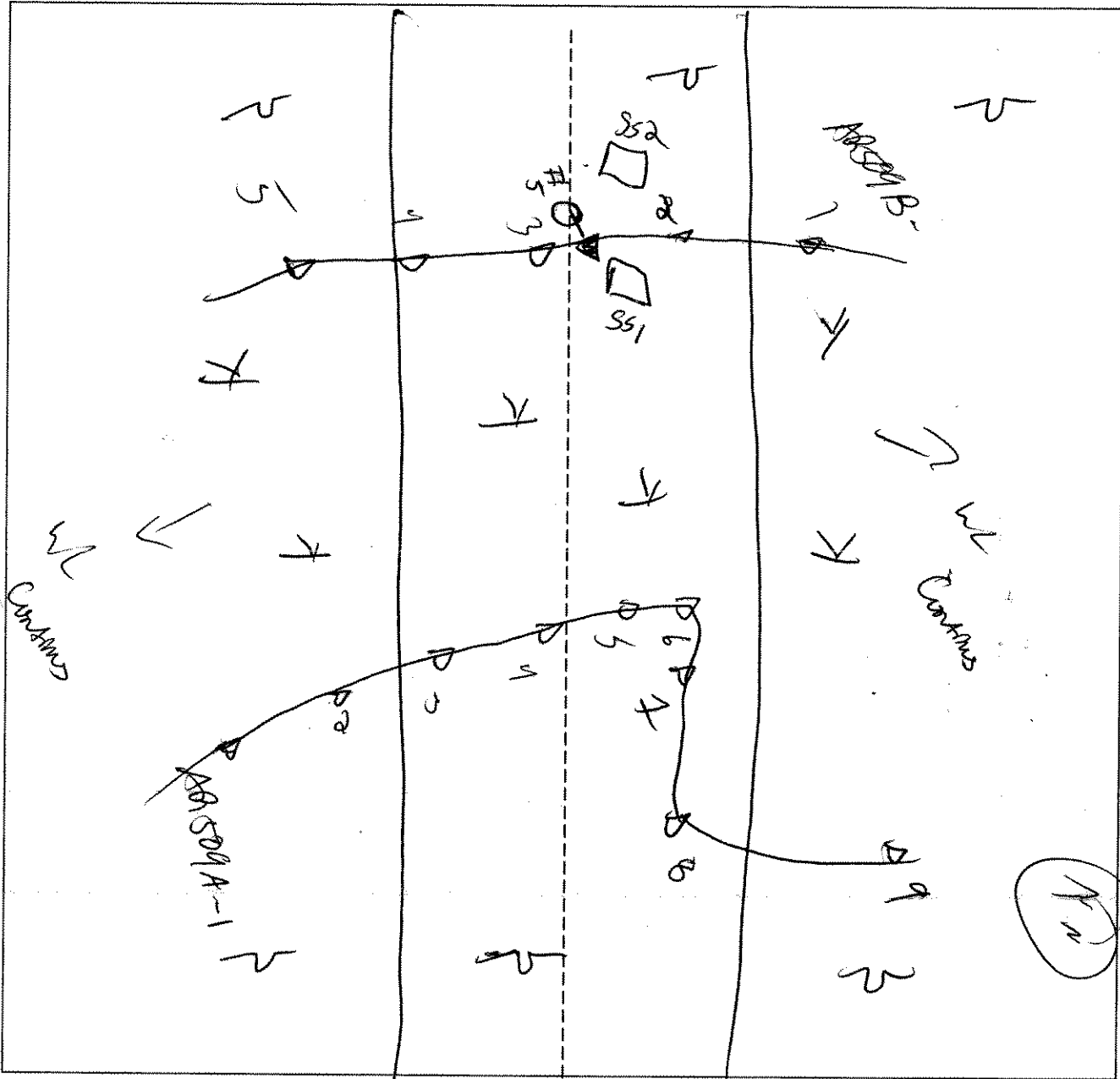
Remarks: - not much D horizon. Disturbed area due to logging
 - refusal of auger 6 inches

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation 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"/> |
| Wetlands Hydrology Present? | 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 #: AR509A/B | Date: 5-9-06 | Time: |
| Initials of Delineators: KHJV | Location: 147-7 141 | |
| Roll #: KH | Frames: 5 | |

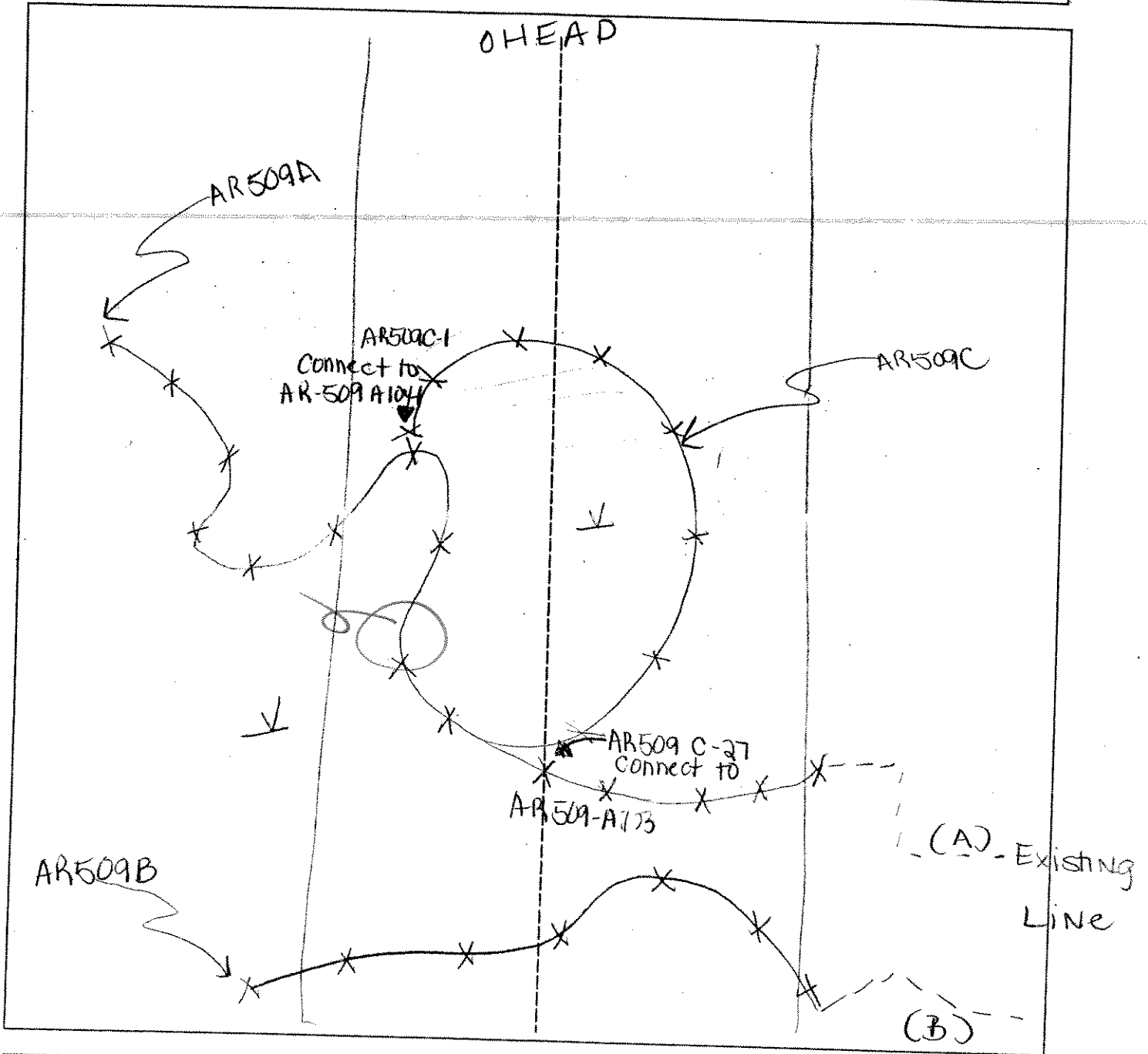


| Legend | |
|--------------------------|---------------------|
| Photo Location/Direction | Wetland |
| Sample Station | Upland |
| Centerline | Stream |
| Flag | Intermittent Stream |
| North Arrow | |

Line Adjustment

SKETCH FORM

| | | | |
|---|---------|--|-------|
| Wetland ID/Route #: AR 509 A/B/C | | Date: 8-25-00 | Time: |
| Initials of Delineators: PE, AG JV, DO | | Location: OH from LaFrancis Rd East | |
| Roll #: | Frames: | | |



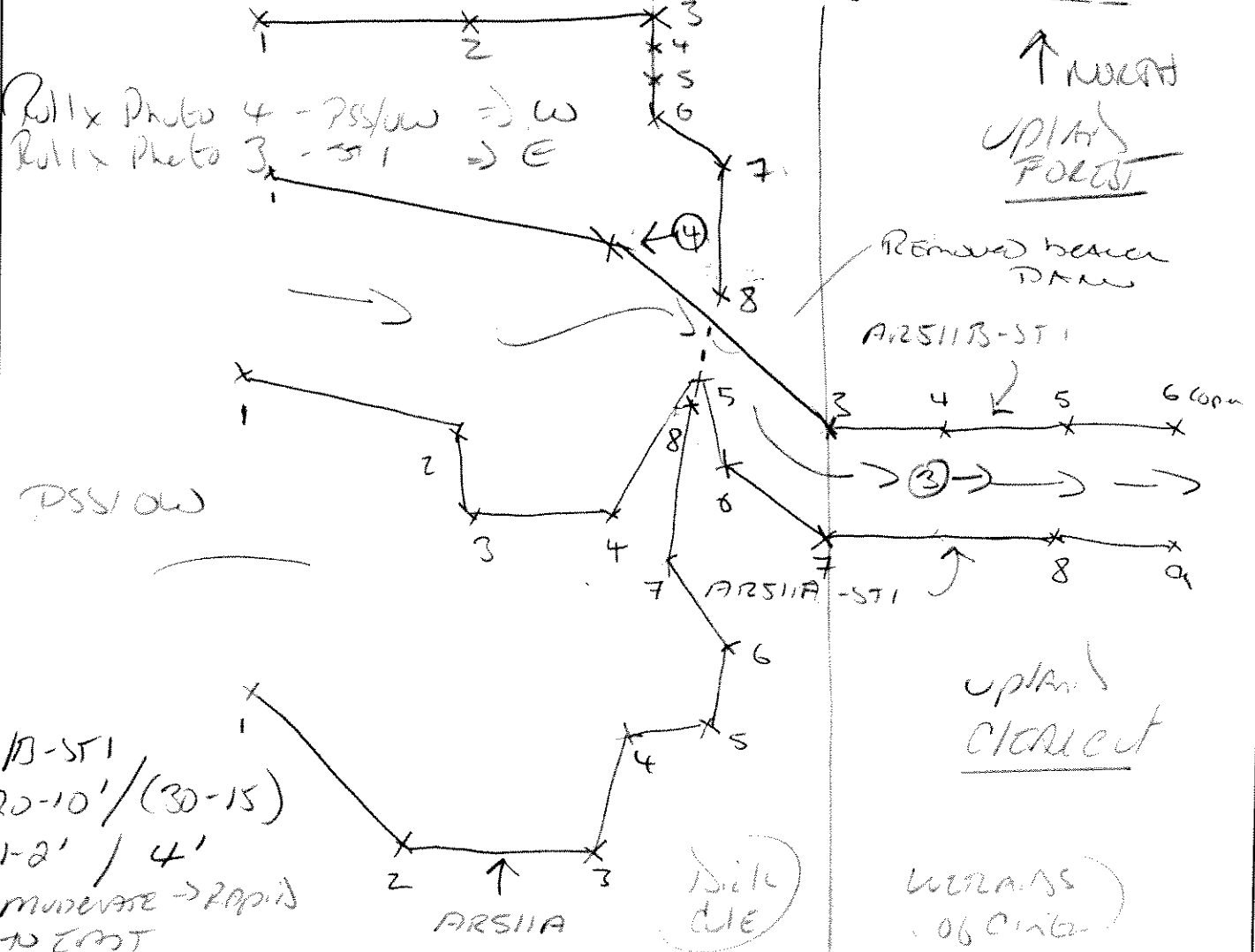
| Legend | | | |
|--------|--------------------------|--|---------------------|
| | Photo Location/Direction | | Wetland |
| | Sample Station | | Upland |
| | Centerline | | Stream |
| | Flag | | Intermittent Stream |
| | | | N → |



SUBJECT Horizon
Clint G. Wainman
 ORIGINATOR _____ CHECKED _____

PROJECT _____
 TC/P NO. _____
 DATE 11/8/15 PAGE 5 OF 6 PAGES

Clinton Mills Run



Roll x Photo 4 - PSSLOW → W
 Roll x Photo 3 - ST1 → E

ARS11A/B-ST1
 width 20-10' / (30-15)
 depth 1-2' / 4'
 flow - moderate → rapid
 to east
 substrate - silt bank w/ gravel

UPLAND FOREST

NOTE:
 ARS11A/B former beaver pond
 Remnants of dam at
 wetland, just ARS11A/B &

APPROXIMATE PROPERTY BOUNDARY

- PSS:
- meadowsweet S
 - speckled alder S
 - STEEPHORN S
 - Sillky willow S
 - RATTIE water grass H
 - T. Equinus H
 - wet grass H
- ARS11A/B

- Flint meadow grass H
- Spice bush H
- PATRI bush H
- ARROW-TOX tree thistle H
- Silk dogwood S
- Red osier dogwood S

Wetland
 B.G. PR 513 A-7N

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPR | Date: 5/10/06 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: PFO Transect ID: Plot ID: PR 513 AN Series 551 |

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: 38 Shrub: 38 Herb: 20.6 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|---------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Sugar Maple | Tree | FACW | 9. | | |
| 2. Red Maple | Tree | FAC | 10. | | |
| 3. Hornbeam | Shrub | FAC | 11. | | |
| 4. Sensitive Fern | Herb | FACW | 12. | | |
| 5. Wetland Grasses * | Herb | FAC | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/5 = 80

Remarks:
 * Assorted grasses unable to ID due to seasonal conditions assumed FAC

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 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 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.): None Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): 10" | |
| Remarks: | |

Wetland

Date: 5/10/06
Community ID: PFO
Plot ID:

A2 513 AN Series 651

SOILS

| Map Unit Name (Series and Phase): N/A | | Drainage Class: PD | | | |
|--|-----------------|--|----------------------------------|--|--|
| Taxonomy (SubGroup): N/A | | 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 2/1 | None | None | FSL |
| 10-16 | Bw ₁ | 10YR 5/2 | 10YR 4/4 | Common/med/Faint | SL |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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="checkbox"/> Yes | <input type="checkbox"/> No | Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Wetlands Hydrology Present? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Hydric Soils Present? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Remarks | | | |

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

Updated
A.G.
AR 513 A-7A

| | |
|--|---|
| Project Site: <i>Munk River</i> Applicant/Owner: <i>Munk River</i> Investigator: <i>BPR</i> | Date: <i>5/10/06</i> County: <i>Columbia</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="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Community ID: <i>PFO</i> Transect ID: Plot ID: <i>AR 513 A-7A Series</i> | |

SS-2

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: *65* Shrub: Herb: Vine:

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|--------------|-------------|------------------------|---------|-----------|
| 1. <i>Sugar maple</i> | <i>Tree</i> | <i>FACU</i> | 9. | | |
| 2. <i>Basswood</i> | <i>Tree</i> | <i>FACU</i> | 10. | | |
| 3. <i>Hornbeam</i> | <i>Shrub</i> | <i>FACU</i> | 11. | | |
| 4. <i>Mayflower</i> | <i>Herb</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-): *1/4 = 25*

Remarks:

HYDROLOGY

| | |
|--|---|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: <i>None</i> Primary Indicators: ___ Inundated ___ Saturated ___ 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.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>>14"</i> Depth to Saturated Soil (in.): <i>>14"</i> | |
| Remarks: | |

Date: 5/10/06
 Community ID: PFD
 Plot ID:

Upland

P2513 AN Series 992

SOILS

| Map Unit Name (Series and Phase): N/A | | Drainage Class: MWD | | | |
|---|---------|---|--|--|--|
| Taxonomy (SubGroup): N/A | | 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 | Ap | 10YR 3/2 | None | None | ELA |
| 4-14 | Bm | 7.5YR 2.4/4 | None | None | SL |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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="checkbox"/> No | 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 | |
| Hydric Soils Present? | Yes | <input type="checkbox"/> No | |
| Remarks | | | |

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

Wetland
AR 513 A-651
DG AR 513 B2 ANEW

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BPR</u> | Date: <u>5/10/06</u> County: <u>Columbia</u> State: <u>NY</u> |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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>PFO</u> Transect ID: Plot ID: <u>AR 513 B Sums 55</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|--------------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>65.0</u> Shrub: <u>20.5</u> Herb: <u>20.5</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Red Maple</u> | <u>Tree</u> | <u>FAC</u> | 9. | | |
| 2. <u>Sugar Maple</u> | <u>Tree</u> | <u>FACW</u> | 10. | | |
| 3. <u>Hazel nut</u> | <u>Shrub</u> | <u>FACW</u> | 11. | | |
| 4. <u>Shrub</u> | <u>Shrub</u> | <u>FAC</u> | 12. | | |
| 5. <u>Blk Cherry</u> | <u>Shrub</u> | <u>FACW</u> | 13. | | |
| 6. <u>Common Fern</u> | <u>Herb</u> | <u>FACW</u> | 14. | | |
| 7. <u>May Flower</u> | <u>Herb</u> | <u>FAC-</u> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/7 = 57%</u> | | | | | |
| Remarks: <u>* Grow on hummocks and shallow roots</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 | Wetland Hydrology Indicators: Primary Indicators: <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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>Surface</u> Depth to Saturated Soil (in.): <u>Surface</u> | |
| Remarks: | |

Wetland

Date: 5/10/06
 Community ID: PFO
 Plot ID:

A2513 A-551

SOILS

| | |
|--|---|
| Map Unit Name (Series and Phase): N/A Taxonomy (SubGroup): N/A | Drainage Class: PD 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) | | | | | |
| 0-6 | Ap | 10YR 2/1 | None | None | FSL |
| 6-12+ | B _{wt} | 10YR 5/1 | 10YR 4/6 | Com/med/Dist | SL |
| | | | | | |
| | | | | | |
| | | | | | |

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

Remarks

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

Upland
 AR 513 A-552
 V.G. AR 513 B21 NEW

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River Lee</u> Investigator: <u>BR</u> | Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u> |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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>PFO</u> Transect ID: Plot ID: <u>AR 513 A Group 552</u> |

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: 85.5 ^{Gap} Shrub: 16 Herb: 205 Vine:

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|--------------|-------------|------------------------|--------------|-------------|
| 1. <u>Sugar Maple</u> | <u>Tree</u> | <u>FACU</u> | 9. <u>Birch Birch</u> | <u>Shrub</u> | <u>FACU</u> |
| 2. <u>Red Maple</u> | <u>Tree</u> | <u>FAC</u> | 10. <u>Birch</u> | <u>Tree</u> | <u>FACU</u> |
| 3. <u>Birch Cherry</u> | <u>Tree</u> | <u>FACU</u> | 11. | | |
| 4. <u>Hazel Nut</u> | <u>Shrub</u> | <u>FACU</u> | 12. | | |
| 5. <u>Cornel bush</u> | <u>Shrub</u> | <u>FAC</u> | 13. | | |
| 6. <u>Tree Clematis</u> | <u>Herb</u> | <u>FACU</u> | 14. | | |
| 7. <u>Sugar Maple Seedling</u> | <u>Herb</u> | <u>FACU</u> | 15. | | |
| 8. <u>Wormwood</u> | <u>Herb</u> | <u>FAC-</u> | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/10 = 20

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 | Wetland Hydrology Indicators: <u>NONE</u> 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.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>> 14</u> Depth to Saturated Soil (in.): <u>> 14</u> | |
| Remarks: | |

Date: 5/19/06
 Community ID: PFO
 Plot ID:

Upland

A2 B13 g Series 402

SOILS

Map Unit Name (Series and Phase): N/A
 Taxonomy (SubGroup): N/A
 Drainage Class: MWD
 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. |
| 0-4 | Ap | 10YR 3/2 | none | none | FSL |
| 4-16 | Bw ₁ | 10YR 4/6 | none | none | FSL |
| | | | | | |
| | | | | | |
| | | | | | |

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:

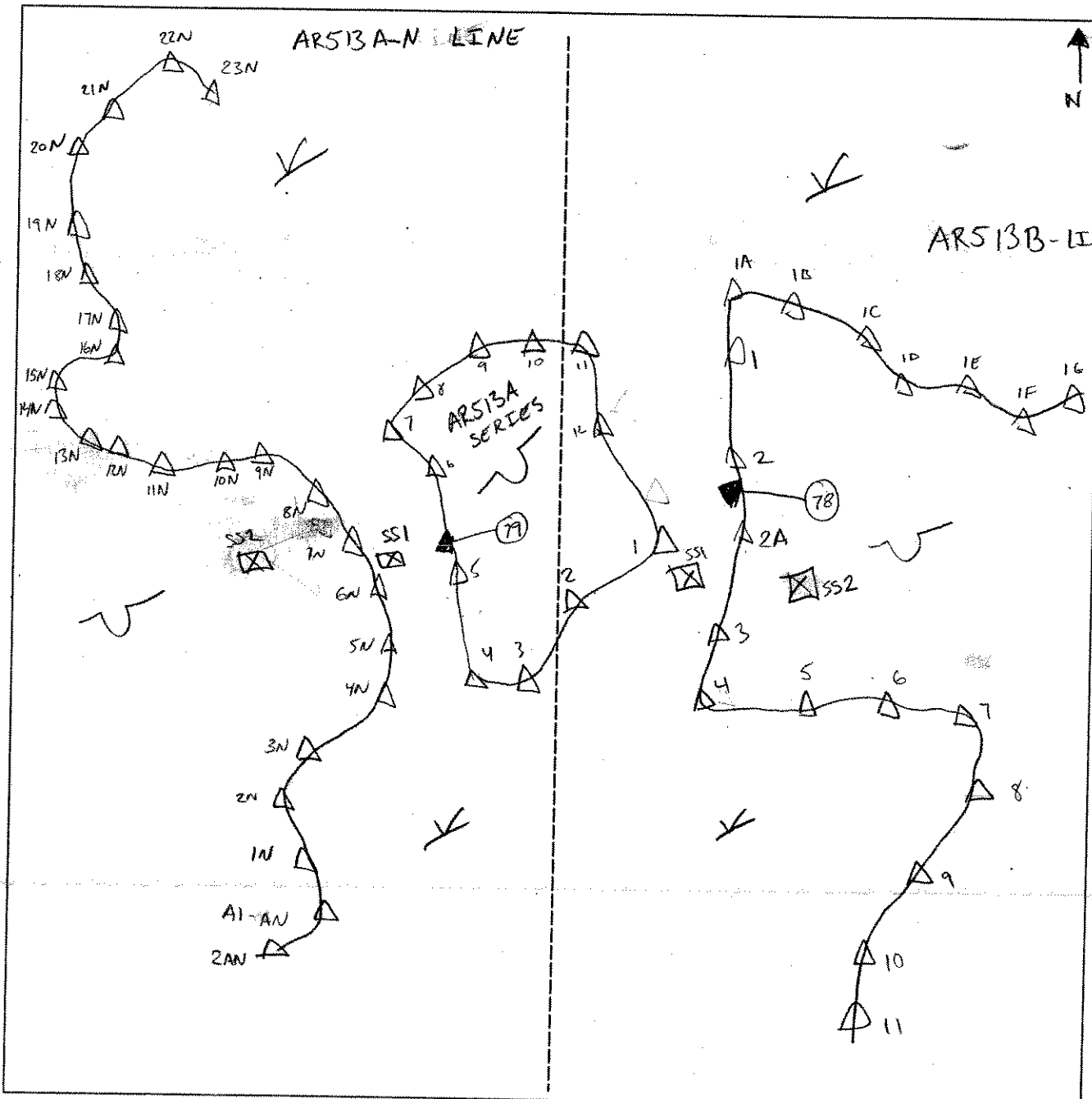
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|---|--|--------------|
| Wetland ID/Route #: AR513A, A-N, B Lines | Date: 5-10-06 | Time: |
| Initials of Delineators: BR DO | Location: Marble River | |
| Roll #: | Frames: 78: Looking W @ AR513A ISLAND 79: Looking W SW @ AR513A-N UPLAND | |

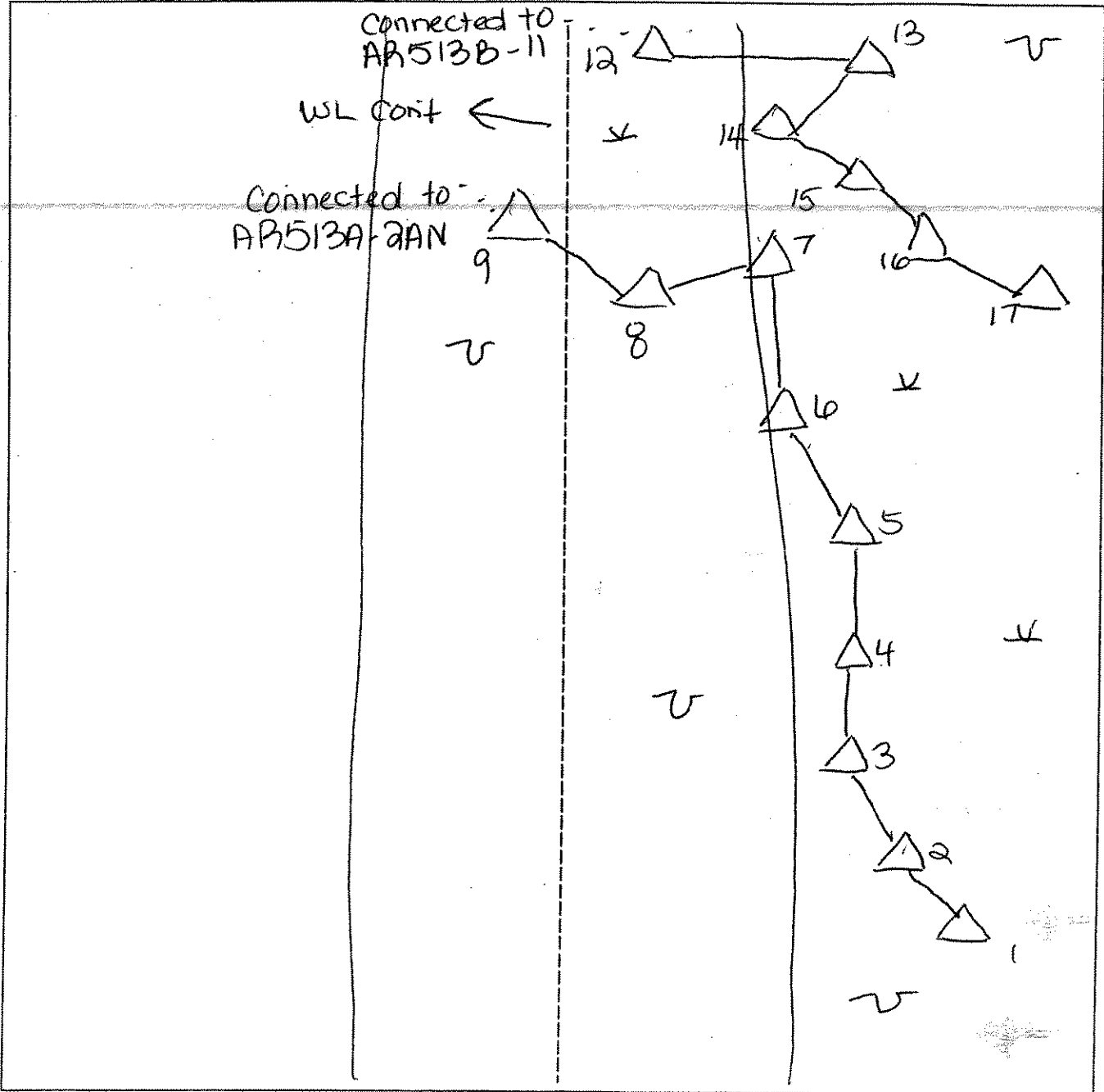


| <u>Legend</u> | |
|---------------|--------------------------|
| | Photo Location/Direction |
| | Sample Station |
| | Centerline |
| | Flag |
| | Wetland |
| | Upland |
| | Stream |
| | Intermittent Stream |

Line Extension

SKETCH FORM

| | | | |
|-------------------------------------|---|---------------------------------------|-------|
| Wetland ID/Route #: AR513A/B | | Date: 7.27.06 | Time: |
| Initials of Delineators: KH | | Location: AR/IC to turbine 173 | |
| Roll #: | Frames: picture taken on previous occasion | | |

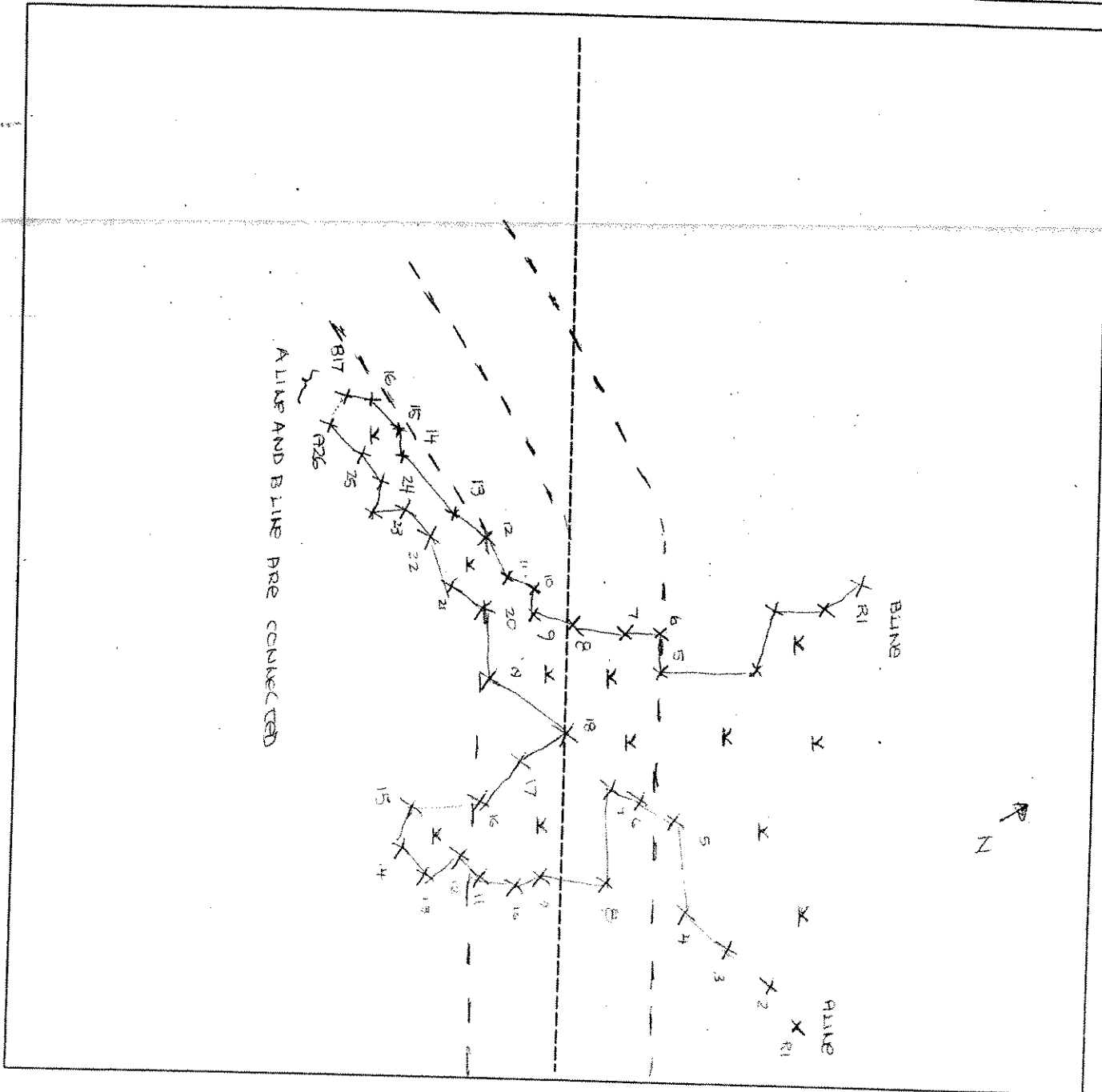


| Legend | |
|--------|--------------------------|
| | Flag |
| | Photo Location/Direction |
| | Sample Station |
| | Centerline |
| | Wetland |
| | Upland |
| | Stream |
| | Intermittent Stream |

N

SKETCH FORM

| | |
|---|---|
| Wetland ID/Route #: <div style="text-align: center;">AR513</div> | Date: 8/17/06 Time: AM |
| Initials of Delineators: <div style="text-align: center;">RD / SH / JV / SC</div> | Location: <div style="text-align: center;">MARBLE RIVER</div> |
| Roll #: Frames: | |



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

Downgradient
R2 514A-1D

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BRP | Date: 5/9/06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.) | Community ID: P203/DEA Transect ID: A2 514A Plot ID: 501 |

VEGETATION

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|------------|-----------|
| Percent Canopy Cover: | | Tree: 0 | Shrub: 20.5 | Herb: 20.6 | Vine: 6 |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Nannyberry | Shrub | FAC | 9. | | |
| 2. Carex sp. * | Herb | FACW | 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-): 100 | | | | | |
| Remarks: * Definitive ID. unavailable due to seasonal conditions around FACW | | | | | |

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 checked="" type="checkbox"/> Saturated <input checked="" 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 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.): 8" Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): Surface | |
| Remarks: | |

D.G. AR 514 A-10

Date: 5/9/06
 Community ID: P66/PEN/GW
 Plot ID:

AR 514 A

SOILS

| | |
|--|--|
| Map Unit Name (Series and Phase): N/A Taxonomy (SubGroup): N/A | Drainage Class: VPD 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 <i>(Rebegan)</i> | Oa | 10YR 3/1 | none | none | gypic Oh |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 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:
Extremely stoney

WETLAND DETERMINATION

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

Remarks
Isolated Depression (no egg masses or larvae noted)

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

Upgradient
 A2514A-10

| | |
|--|--|
| Project Site: Marble River - Applicant/Owner: Marble River LLC Investigator: BR | Date: 5/9/06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.) | Community ID: PFO/PSS Transect ID: Plot ID: A2514A SS-2 |

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 63 Shrub: 10.5 Herb: 39 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Sugar Maple | Tree | FACU | 9. | | |
| 2. Green Birch | Tree | FAC | 10. | | |
| 3. Black Cherry | Tree | FACU | 11. | | |
| 4. Sugar Maple | Shrub | FACU | 12. | | |
| 5. Sugar Maple (young) | Herb | FACU | 13. | | |
| 6. Bracken Fern | Herb | FACU | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/6 = 6 | | | | | |
| 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 | Wetland Hydrology Indicators: None 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.): None Depth to Free Standing Water in Pit (in.): > 14" Depth to Saturated Soil (in.): > 14" | |
| Remarks: | |

Date: 5/9/06
 Community ID: PFO/DSS
 Plot ID: A254A
 55-2

SOILS

Map Unit Name
 (Series and Phase): N/A

Drainage Class: MWD

Taxonomy (SubGroup): N/A

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 | Ab | 10YR 3/2 | none | none | FSL |
| 4-7 | E | 10YR 5/2 | none | none | FSL |
| 7-14 | Bw | 7.5YR 4/6 | none | none | FSL |
| | | | | | |
| | | | | | |
| | | | | | |

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?
 Wetlands Hydrology Present?
 Hydric Soils Present?

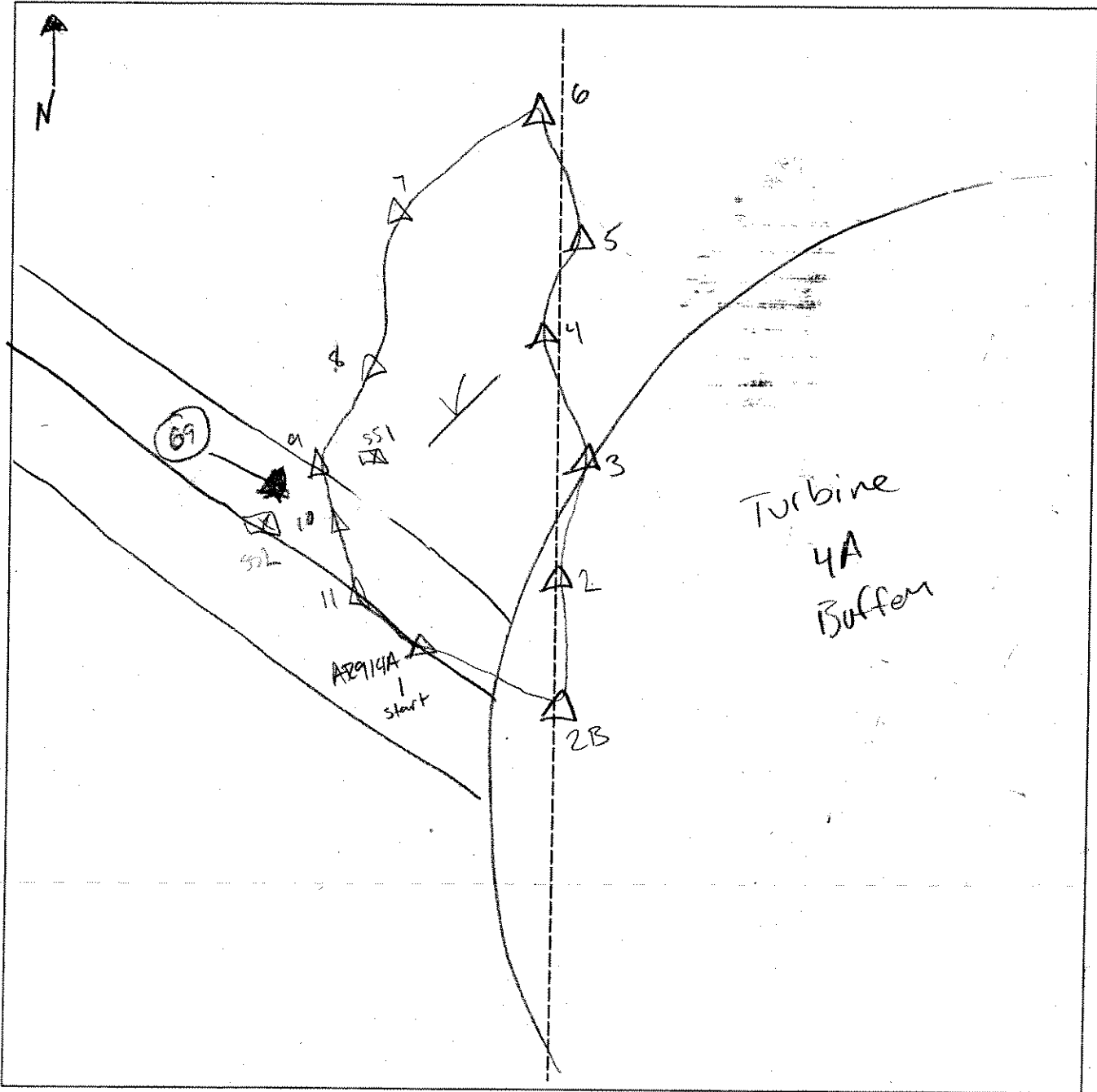
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

| | | |
|--------------------------------|--------------------------------------|-------|
| Wetland ID/Route #: ARS14A | Date: 5-9-06 | Time: |
| Initials of Delineators: BR DO | Location: Marble River | |
| Roll #: | Frames: 69 Looking SE @ 4A Turbine | |



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

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u> | Date: <u>11/10/05</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: Plot ID: <u>AR521-A-SSI</u> <u>AR522-A-SSI</u> |

VEGETATION

Plant Community Classification: PEM - Hay Field
 Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|----------|-------------|------------------------|---------|-----------|
| 1. <u>Phalaris arundinacea</u> | <u>H</u> | <u>FACW</u> | 9. | | |
| 2. <u>Juncus effusus</u> | <u>H</u> | <u>FACW</u> | 10. | | |
| 3. <u>Onoclea sensibilis</u> | <u>H</u> | <u>FACW</u> | 11. | | |
| 4. <u>Grass sp</u> | <u>H</u> | <u>-</u> | 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 | 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <u>Not collected on field notes</u> | |

Date: 11/10/05
 Community ID:
 Plot ID: AR 521/522-A-SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Field Observations
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not collected

WETLAND DETERMINATION

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

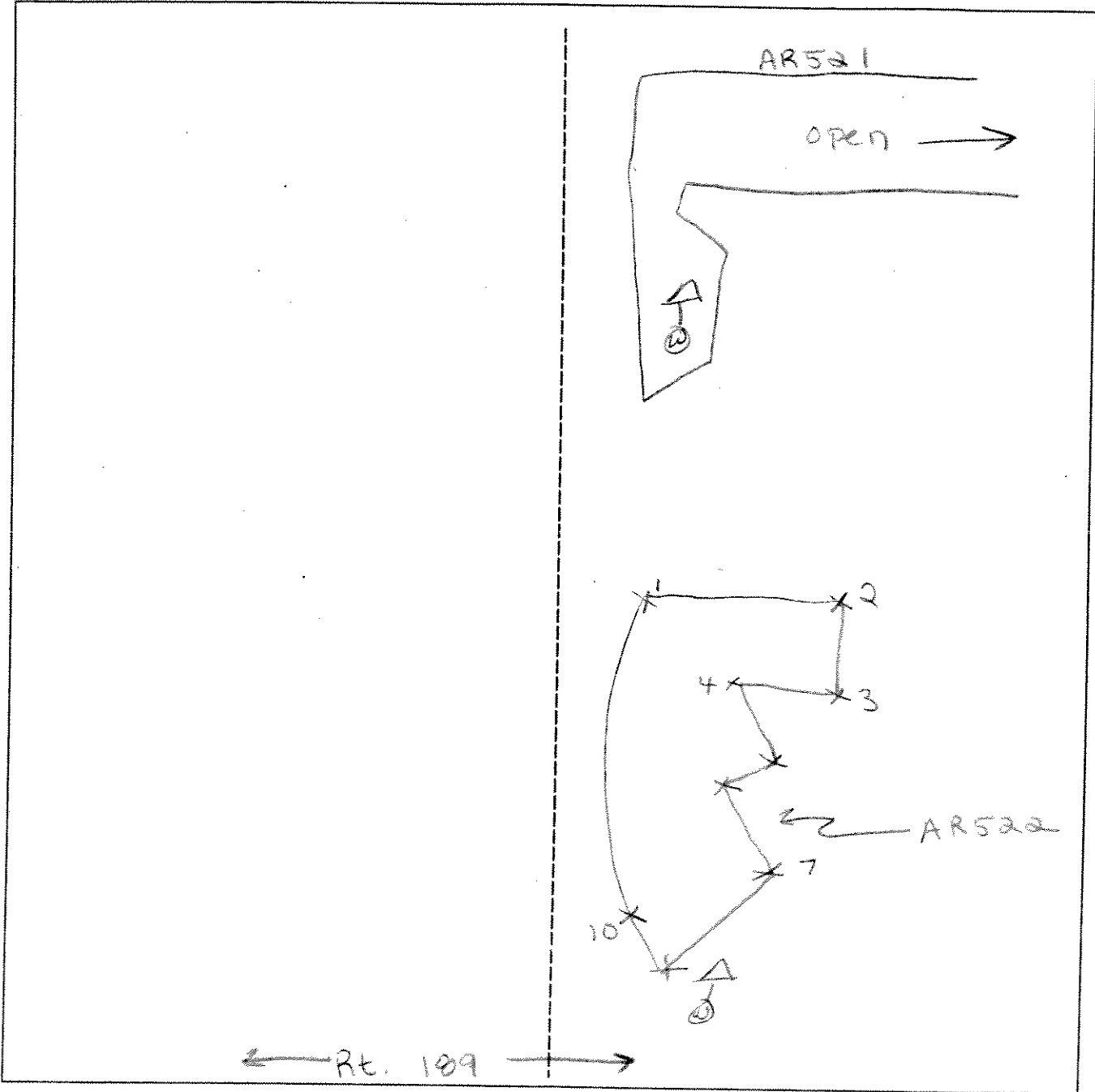
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

| | | |
|--------------------------------------|----------------------------|-------|
| Wetland ID/Route #: AR531 / AR522 | Date: 11/10/06 | Time: |
| Initials of Delineators: RJD | Location: Along Rt. 189 | |
| Roll #: | Frames: | |



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

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

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD | Date: 11/10/2005 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: Wetland Transect ID: Plot ID: AR 523 A - SSI |

VEGETATION

| Plant Community Classification: PEM10W | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: | | Tree: | Shrub: | Herb: | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. C. Crinata | H | FACW | 9. | | |
| 2. J. effusus | H | FACW | 10. | | |
| 3. Club moss | H | FAC | 11. | | |
| 4. Sphag moss | H | DBL | 12. | | |
| 5. Red maple | T/S | FAC | 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 checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 11/10/05
 Community ID:
 Plot ID: AR523-A-551

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Field Observations
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

| Profile Description: | | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|----------------------|---------|---------------------------------|----------------------------------|--|--|
| Depth (Inches) | Horizon | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not collected

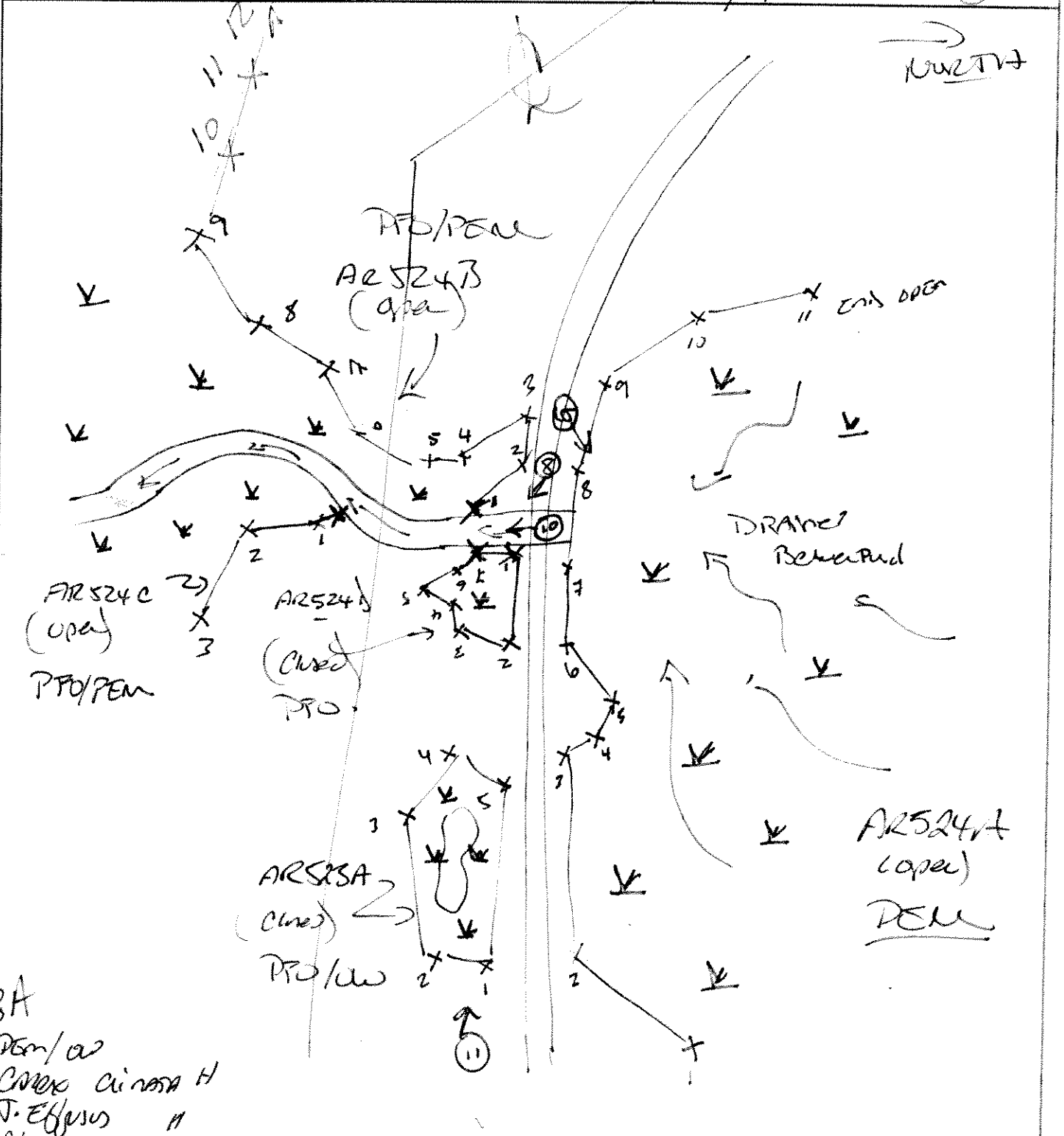
WETLAND DETERMINATION

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



AR524A
 Dem/aw
 C. Erickson H
 J. Effers H
 Chhman H
 Spharman H
 Ted mple T/S

| | | | | |
|----------|-------|----|--------|----------------|
| Point 11 | Photo | 11 | → West | AR524A |
| " | " | 10 | → W | AR524 A/DCS-ST |
| " | " | 9 | → E | AR524 A |
| " | " | 8 | → S | AR524 D |
| " | " | 7 | → SW | AR524 B |

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD | Date: 11/10/05 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: Wetland Transect ID: Plot ID: AR524 A-SS1 |

VEGETATION

| Plant Community Classification: PEM/SSS | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: 0% Tree: - Shrub: 40 Herb: 80 Vine: - | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Carex crinata | H | FACW | 9. Fawn meadow grass | H | FAC |
| 2. Nuphar | H | OBL | 10. Bur-reed | H | FAC |
| 3. Steep bush | H | FACW | 11. | | |
| 4. J. flexilis | H | FACW | 12. | | |
| 5. R. Snake grass | H | OBL | 13. | | |
| 6. Meadow Sweet | H | FAC | 14. | | |
| 7. Woolgrass | H | FACW | 15. | | |
| 8. Elder | S | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: Not collected | |

Date: 11/10/05
 Community ID:
 Plot ID: AR524 A-SSI

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 | Texture, Concretions, |
|----------------------|---------|-----------------|-----------------|-----------------------------|-----------------------|
| Depth (Inches) | Horizon | (Munsell Moist) | (Munsell Moist) | Abundance/Size/ Contrast | Structure, etc. |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not collected

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: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD KH</u> | Date: <u>11/10/06</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: Plot ID: <u>AR524-B-SSI</u> |

VEGETATION

Plant Community Classification: PFO / PEM
 Percent Canopy Cover: 100 Tree: 0 Shrub: 15 Herb: 95 Vine: —

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red maple | T/S | FAC | 9. Steeple bush | S | FACW |
| 2. Cattail | H | OBL | 10. fowl M. grass | H | FAC |
| 3. Flat top Aster | H | FAC | 11. J. effusus | H | FW |
| 4. Sens. Fern | H | FACW | 12. | | |
| 5. C. ornata | H | FACW | 13. | | |
| 6. RS grass | H | FAC | 14. | | |
| 7. A. LF tearthumb | H | FAC | 15. | | |
| 8. M. Sweet | S | FACI | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <u>Not collected</u> | |

Date: 11/10/05
 Community ID:
 Plot ID: AR524-B-SSI

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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not collected

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: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD KH</u> | Date: <u>11/10/06</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: Transect ID: Plot ID: <u>AR524-D-SSI</u> |

VEGETATION

| Plant Community Classification: <u>PFO / PEM</u> Percent Canopy Cover: <u>1</u> Tree: <u>30</u> Shrub: <u>—</u> Herb: <u>60</u> Vine: <u>—</u> | | | | | |
|---|-----------|-------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. MAPLE</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>J. EFFUSIS</u> | <u>H</u> | <u>FACW</u> | 10. | | |
| 3. <u>Willow herb</u> | <u>HT</u> | <u>FAC</u> | 11. | | |
| 4. <u>R-Snake grass</u> | <u>H</u> | <u>FACW</u> | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <u>Not collected</u> | |

Date: 11/10/06
 Community ID:
 Plot ID: AR524-D-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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)

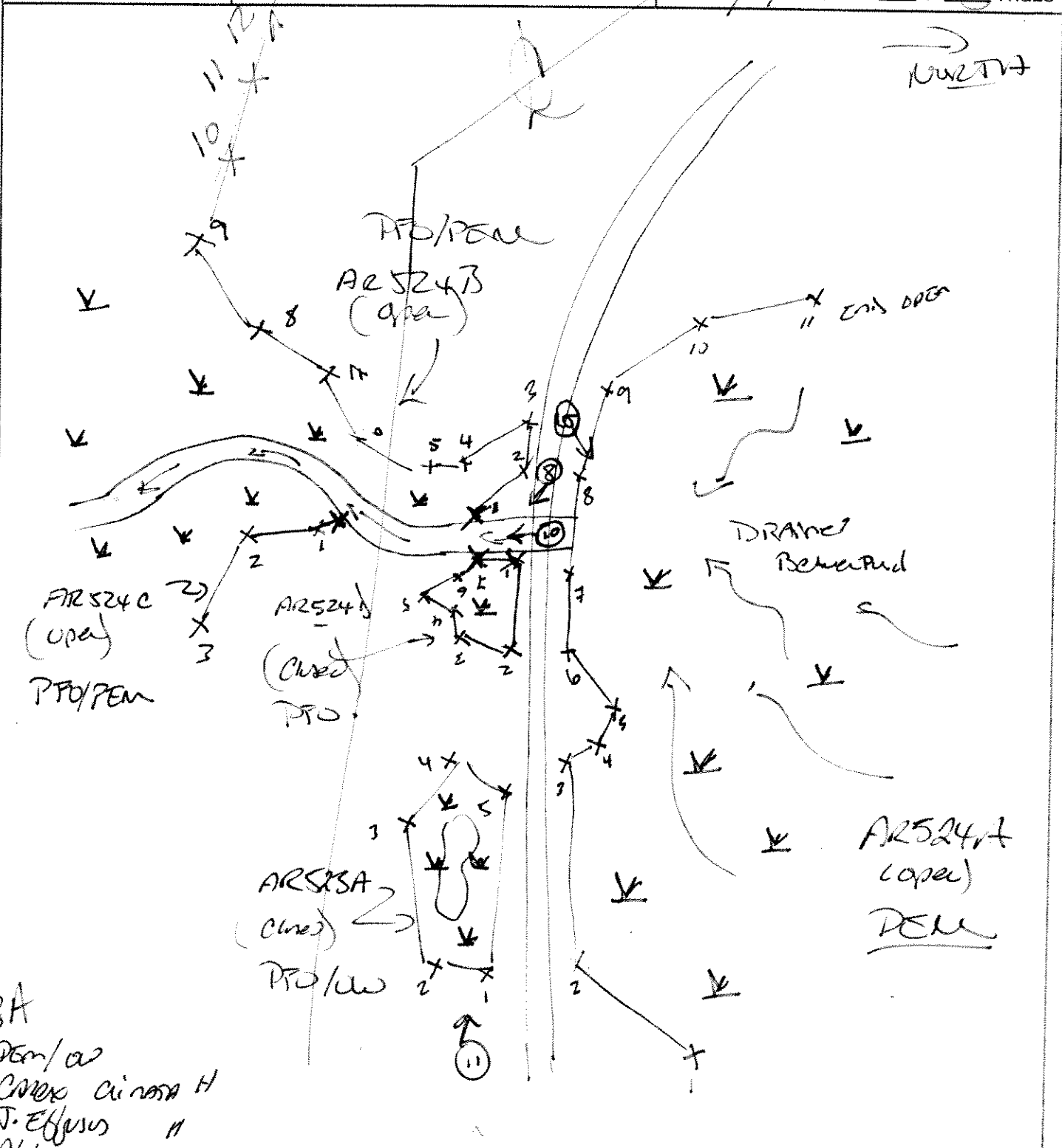
Remarks: Not collected

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No
 Wetlands Hydrology Present? Yes No
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks: Disturbed Area



AR524A
 Dem/aw
 Cntrd cinosa H
 J. Effesus H
 Chhman H
 Sphm munn H
 Led mple T/S

| | | | |
|----|----|-------|---------------------|
| 10 | 11 | → Wat | AR523A |
| 11 | 10 | → W | AR AR524 A/D/C/S-ST |
| 12 | 9 | → E | AT AR524 A |
| 13 | 8 | → S | AT AR524 I |
| 14 | 7 | → SW | AT AR524 B |

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u> <u>JV</u> | Date: <u>11/11/05</u> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input 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: Plot ID: <u>AR525-A-SSI</u> |

VEGETATION

Plant Community Classification: PFO
 Percent Canopy Cover: 1 Tree: 50 Shrub: 30 Herb: 40 Vine: —

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------|--------------|-------------|------------------------|---------|-----------|
| 1. <u>Green Ash</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Red Maple</u> | <u>T/S/H</u> | <u>FAC</u> | 10. | | |
| 3. <u>Carex sp.</u> | <u>H</u> | <u>—</u> | 11. | | |
| 4. <u>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> | 12. | | |
| 5. <u>Willow herb</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Solidago sp.</u> | <u>H</u> | <u>—</u> | 14. | | |
| 7. <u>Sphag moss</u> | <u>H</u> | <u>OBL</u> | 15. | | |
| 8. <u>Wood fern</u> | <u>H</u> | <u>FAC</u> | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FACW) = 7/16 = >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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <u>None Recorded</u> | |

Date: 11/11/05
 Community ID:
 Plot ID: AR525-A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: None Recorded

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No
 Wetlands Hydrology Present? Yes No
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

11/11/05

Page 5

THIRD USE A of (1) COMPLETE Dick CUE'S priority to KALPA
(SUN & TROOP)

(2) TRUCK #136 (also side side priority)

(3) DIS FROM RD FOR RT 189 TO #17

TEAM D (KALPA: myself) - COMPLETE WORKING OF CIRCUMSTANCES
WILL MEET AT TRUCK #136 AT 300 TO GET FIRE ARM
& OTHERS etc.

300 300 W/DICK... COLLECT... TRUCKS TO PROTECT...

300 ATTEMPTED to control... NO ONE HOME AT STOP.

PROCEEDS to priority bearing... accounts of other

NOTE: ALSO 210/11/11 ST 1

- FLOW W/ WOOD AT A MODERATE FLOW

- WINDS... SPRING... GRAVE... CIRCLE

- width (8' / 12')

- depth (8' / 12')

- ...

0840 DISCOVERS HESSA bear priority boundary 51370

PRO- OVER THE T

ROADS... 710/H

60000 p. H

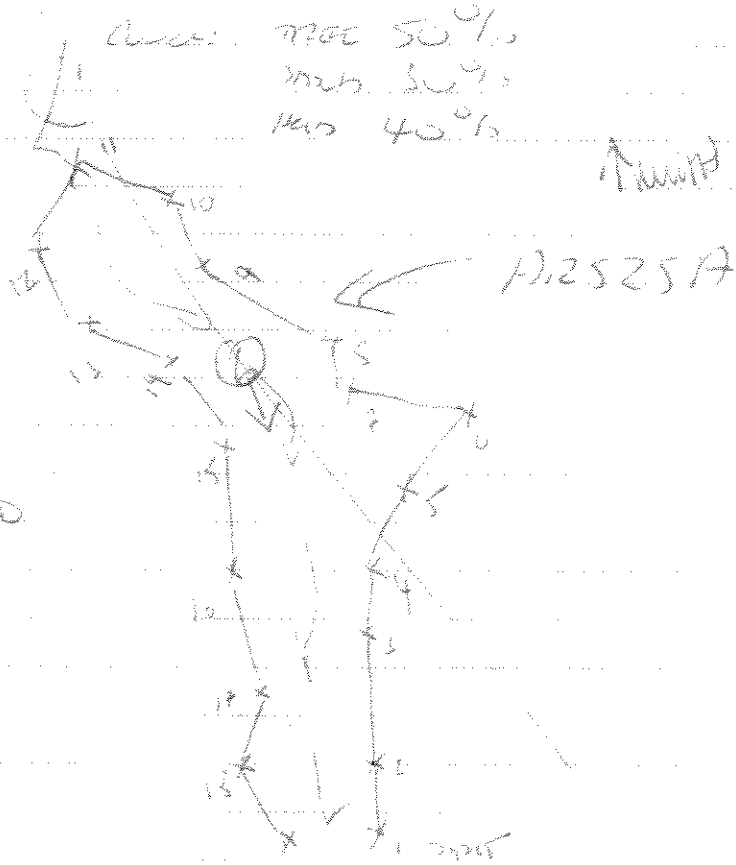
... H

... H

... H

... H

... H



Roll... 6 = SSE W
HESSA

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD KH | Date: 11/11/06 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: Wetland Transect ID: Plot ID: AR526-A-SSI | |

VEGETATION

Plant Community Classification: PSS
Percent Canopy Cover: 7% Tree: — Shrub: — Herb: — Vine: —

| Dominant Plant Species | | | Dominant Plant Species | | |
|------------------------|-----------|------|------------------------|-----------|------|
| Stratum | Indicator | | Stratum | Indicator | |
| 1. G. Birch | S | FAC | 9. Carex sp | H | — |
| 2. Steepk Bush | S | FACW | 10. low meadow gr. | H | FACW |
| 3. R-Maple | S | FAC | 11. Carex crinita | H | FACW |
| 4. Dogwood | S | — | 12. Saur (Jiky?) | H | FAC |
| 5. Kalmia | S | FAC | 13. | | |
| 6. J. effusus | H | FACW | 14. | | |
| 7. J. spida mead | H | OBL | 15. | | |
| 8. Eriogon sedge | H | FACW | 16. | | |

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 checked="" type="checkbox"/> No Recorded Data Available | <p align="right">p2 →</p> <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <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 <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) |
| <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> | |
| Remarks: NONE Recorded | |

Date: 11/11/06
 Community ID:
 Plot ID: AR526-A-SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Field Observations
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

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"/> 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: None Recorded

WETLAND DETERMINATION

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

Remarks

11/11/13 - 13/11/13

1965 B

11/11/13

11/11/13 - 13/11/13

Hipokidion - 13/11/13

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

Tree 80%

Tree 80%

Tree 80%

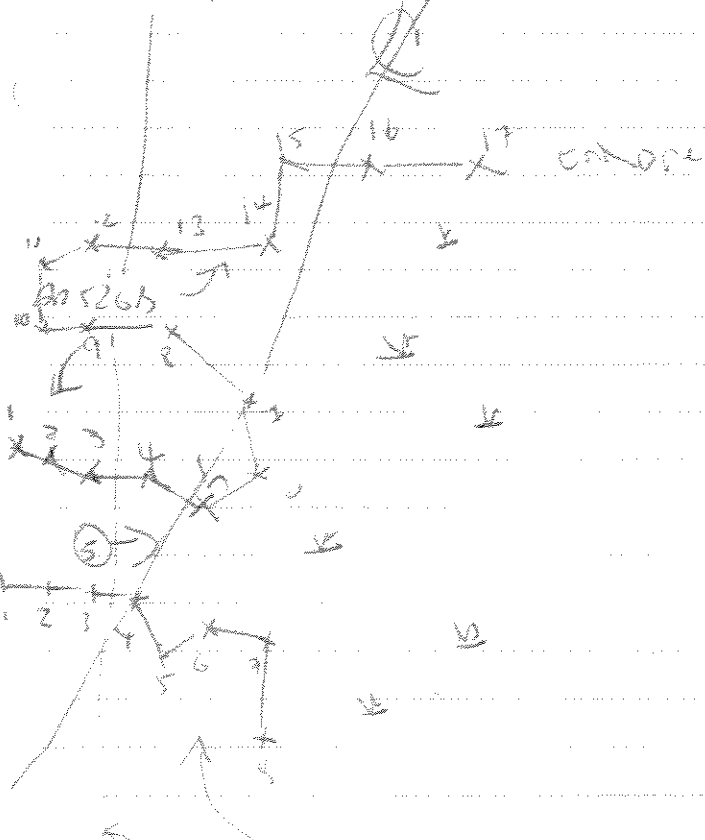
13/11/13 - 15/11/13

13/11/13 - 15/11/13

13/11/13 - 15/11/13

13/11/13

13/11/13



- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

- 200 m x 200 m

Roll - 13/11/13 W 15
13/11/13

13/11/13

13/11/13

13/11/13

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

AR527A EXTENSION

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/10/07 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)? 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: PFO Transect ID: Plot ID: AR 530 AB SSI 16980A AR527A |

VEGETATION

| Plant Community Classification: Red maple mesic Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 65 Vine: 0 | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. Gray birch | T | FAC | 10. | | |
| 3. <i>A. rubrum</i> | S | FAC | 11. | | |
| 4. <i>Viburnum lentago</i> | S | FAC | 12. | | |
| 5. <i>Sphagnum moss 7501</i> | VI | OBL | 13. | | |
| 6. <i>Maianthemum canadense</i> | HL | FAC | 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 checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 4" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 5/10/07
 Community ID: Wetland SSI
 Plot ID: AR530 AB SSI
 10986A
 AR521A

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 | 7.5YR 2.5/2 | | | |
| 4-8 | A | 4.5YR 4/1 | | | clay |
| 8-14 | B | 10YR 6/1 | | | loamy 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: saturated @ 0", water in pd @ 4" | | | | | |

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: photo 4 = N DEC WL photo 6 = NW | | | |

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/10/07</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>AR530 AR882</u> Transect ID: <u>1C900A</u> Plot ID: <u>Vland AR507A</u> |

EXT 3

VEGETATION

| Plant Community Classification: <u>early successional</u> | | | | | |
|--|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Populus grandidentata</u> | <u>T</u> | <u>FACU</u> | 9. | | |
| 2. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>B. populifolia</u> | <u>T</u> | <u>FAC</u> | 11. | | |
| 4. <u>Viburnum dentatum</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Vaccinium lowbush</u> | <u>H</u> | <u>FACU</u> | 13. | | |
| 6. <u>pteridium aquilinum</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>Maianthemum canadense</u> | <u>H</u> | <u>FAC</u> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750' / -</u> | | | | | |
| Remarks: <u>Area has been logged of mature stand</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 | Wetland Hydrology Indicators: <u>NA</u> 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: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/10/07
 Community ID: upland ss 2
 Plot ID: AR 530 AB SSA
 IC 980A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: AR 537A
 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 | 7.5YR 2.5/2 | | | |
| 3-12 | A | 10YR 2/1 | 7.5YR 6/2 | many, from, sparse | loamy 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:

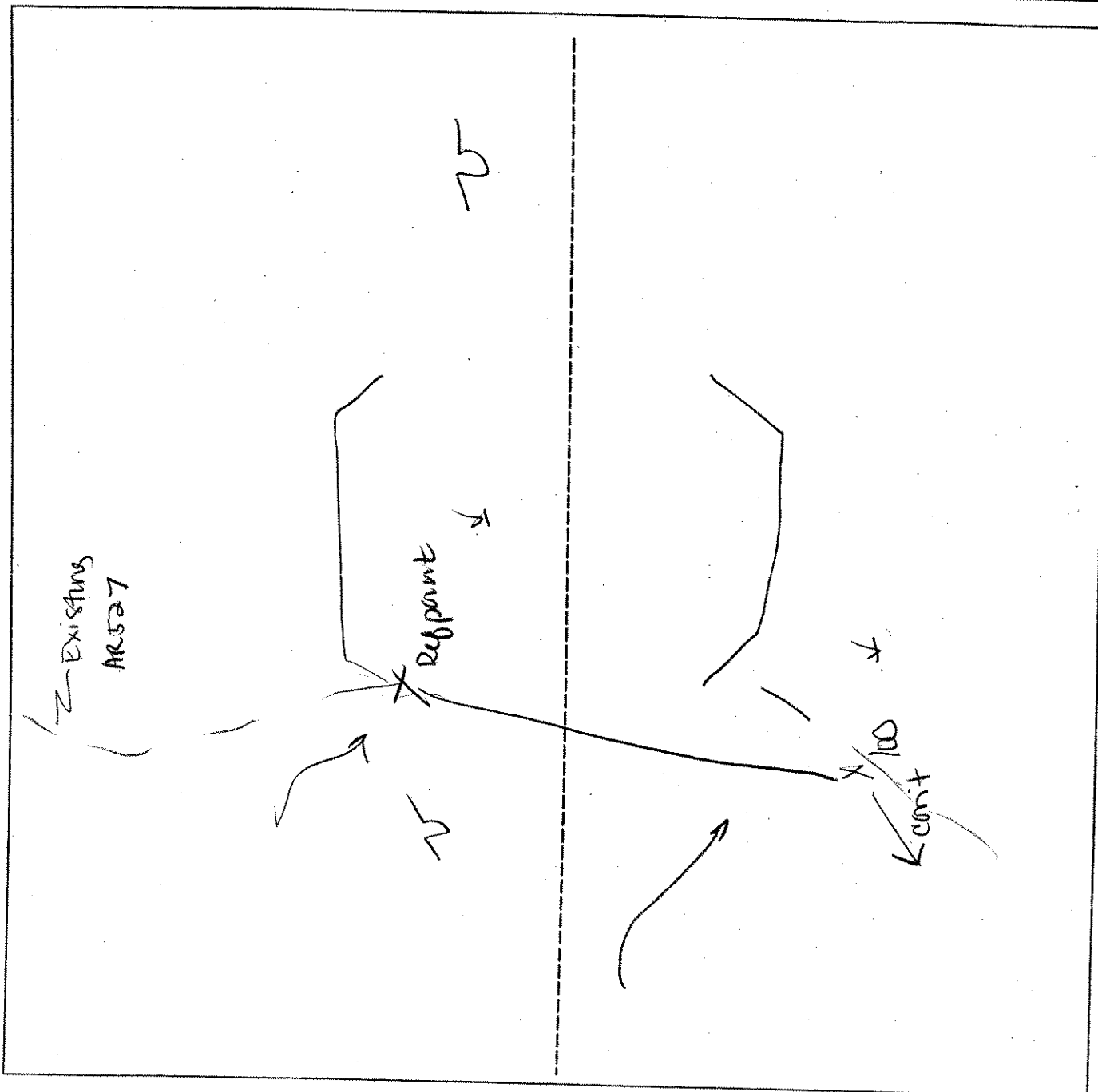
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| 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

SKETCH FORM

| | | |
|---------------------------------------|----------------------|-------|
| Wetland ID/Route #: AR527A EXT | Date: 5/10/07 | Time: |
| Initials of Delineators: JV AP | Location: | |
| 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)**

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD KH | Date: 11/11/05 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: Wetland Transect ID: Plot ID: AR530-1/B-SS1 |

VEGETATION

| Plant Community Classification: PFO | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: % Tree: 30 Shrub: 45 Herb: 95 Vine: — | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Red maple | T/S | FAC | 9. | | |
| 2. G. Birch | T/S | FAC | 10. | | |
| 3. Club moss | H | FAC | 11. | | |
| 4. Sphag moss | H | OBL | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: Not Recorded | |

Date: 11/11/05.
 Community ID:
 Plot ID: AR530 A/B-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. |
|--|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not Recorded

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 | | |

11/11/5

14.5.50 - 14.5.51

14.5.5

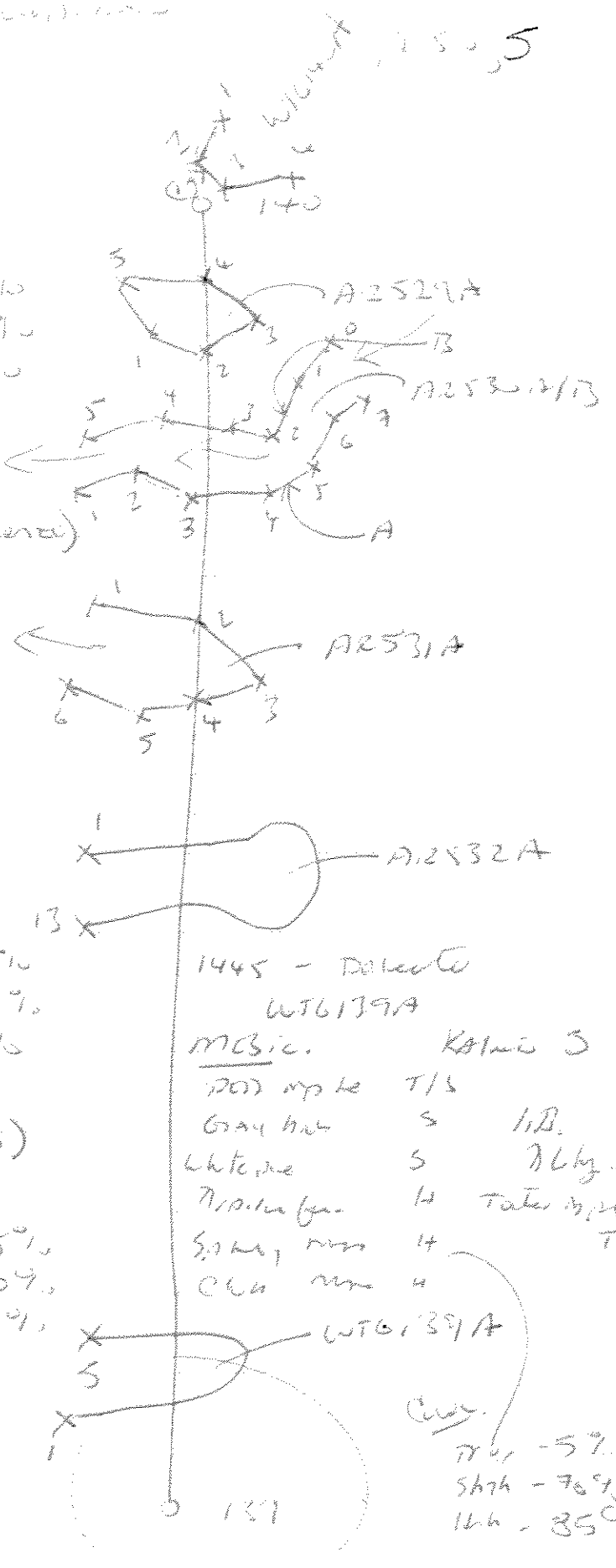
1325 - Dehennet WT6140A (PFO/PSS)
 Rail - Pince 1 → E 25 wt 40%
 Wood sp. T/S
 Gray hair S
 Dipwood S
 Churn H
 Spring moss H
 Pin fern H

1335 - Dehennet AR529A (PFO within level)
 Islandia
 Red maple T/S
 Lich moss H
 Spring moss H
 Green sp. H
 Gray hair S
 To. Red sp. T

1350 - Dehennet AR530A (PFO)
 Red maple T/S
 Gray hair T/S
 Churn H
 Spring moss H

1345 - Dehennet AR531A (PSS)
 Red maple T/S
 Gray hair T/S
 Dipwood S
 Churn H
 Spring moss H
 Kalnia Apr sp. H

1400 - AR532A (PSS)
 Red maple T/S
 Gray hair T/S
 Dipwood S
 Churn H
 Spring moss H
 Kalnia Apr sp. H



Spring moss
 AR531A

Red - 15%
 Shrub - 80%
 Lich - 90%

Cul.
 Red - 5%
 Shrub - 70%
 Lich - 35%

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

AR 530AB extension

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/10/07 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: PFO Transect ID: Plot ID: AR 530AB SSI 10980A AR527A |

VEGETATION

Plant Community Classification: Red maple mesic
 Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 65 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Acer rubrum | T | FAC | 9. | | |
| 2. Gray birch | T | FAC | 10. | | |
| 3. A. rubrum | S | FAC | 11. | | |
| 4. Viburnum lentago | S | FAC | 12. | | |
| 5. Sphagnum moss 250% | VI | OBL | 13. | | |
| 6. Miantheum Canadensis fl. | | FAC | 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 checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 4" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 5/10/07
 Community ID: Wetland SSI
 Plot ID: AR530 AB SSI
 10980A
 AR531A

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 | 7.5YR 2.5/2 | | | |
| 4-8 | A | 4.5YR 6/1 | | | clay |
| 8-14 | B | 10YR 6/1 | | | loamy 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: saturated @ 0", water in pd @ 4"

WETLAND DETERMINATION

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

Remarks
 photo 4 = N
 DEC WL
 photo 6 = NW

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/10/07</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>AR 530 AB 882</u> Transect ID: <u>IC 900 A</u> Plot ID: <u>VIPland AR 527A</u> |

VEGETATION

| Plant Community Classification: <u>early successional</u> | | | | | |
|--|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Populus grandidentata</u> | <u>T</u> | <u>FACU</u> | 9. | | |
| 2. <u>C Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>B. populifolia</u> | <u>T</u> | <u>FAC</u> | 11. | | |
| 4. <u>Viburnum dentato</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Vaccinium low bush</u> | <u>H</u> | <u>FACU</u> | 13. | | |
| 6. <u>ptisidium aquilinum</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>Maianthemum canadense</u> | <u>H</u> | <u>FAC</u> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750% / -</u> | | | | | |
| Remarks: <u>Area has been logged of mature stand</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 | Wetland Hydrology Indicators: <u>NA</u> 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: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/10/07
 Community ID: upland ss 2
 Plot ID: AR 530 AB SSA
 IC 980A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: AR 530A
 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 | 7.5YR 2.5/2 | | | |
| 3-12 | A | 10YR 2/1 | 7.5YR 6/2 | many, from, sparse | loamy 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:

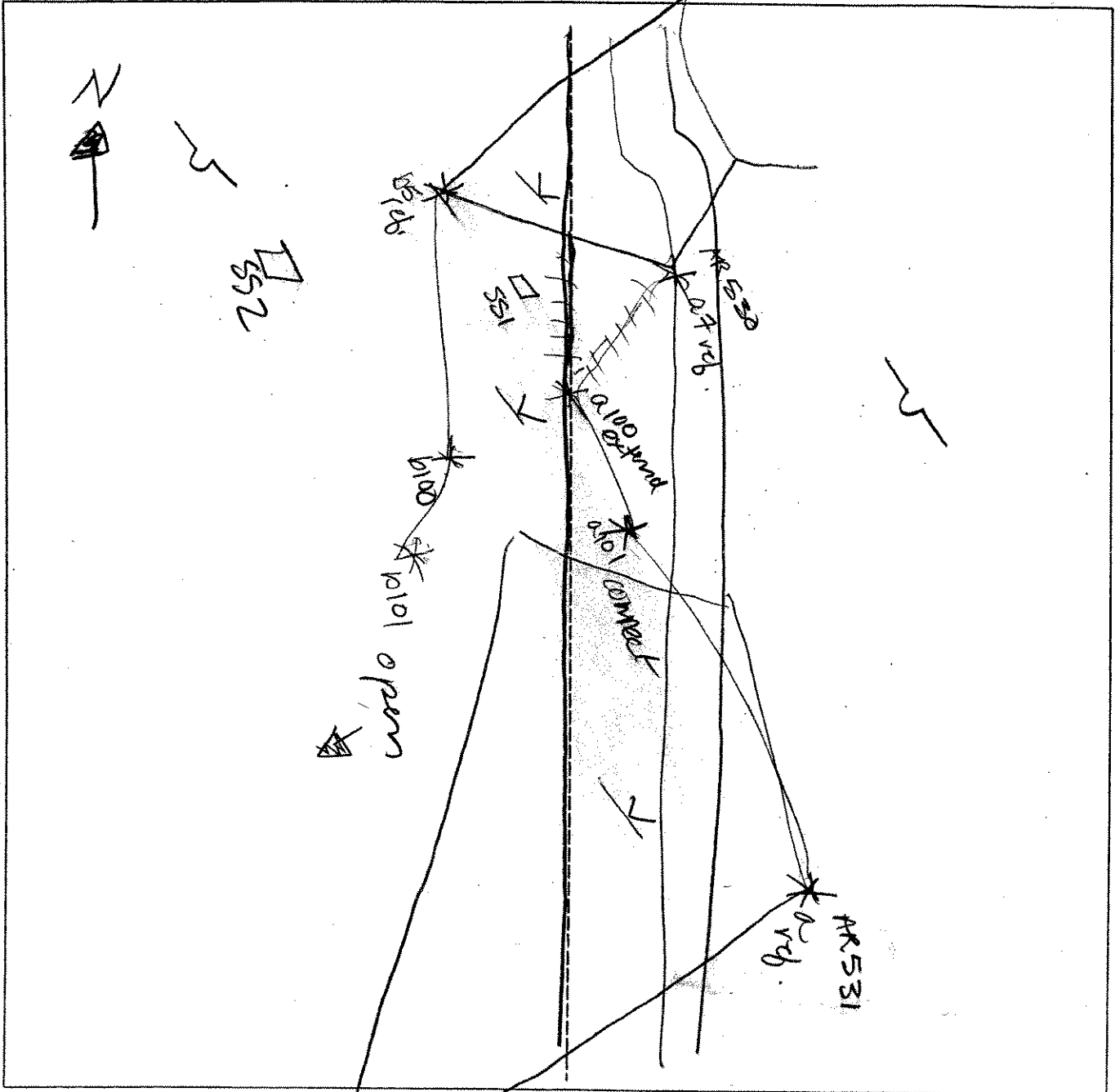
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| 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

SKETCH FORM

| | | |
|--|---------------------|-------|
| Wetland ID/Route #: AR530 EXTENSION | Date: 10 May 07 | Time: |
| Initials of Delineators: JU AP | Location: T. 140 | |
| 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)**

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD JV</u> | Date: <u>11/11/05</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 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: Plot ID: <u>AR531-A-SSI</u> | | | | | | | |

VEGETATION

| Plant Community Classification: <u>PSS</u> Percent Canopy Cover: <u>1</u> Tree: <u>15</u> Shrub: <u>80</u> Herb: <u>90</u> Vine: <u>-</u> | | | | | |
|--|------------|------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. maple</u> | <u>T/S</u> | <u>FAC</u> | 9. | | |
| 2. <u>G. Birch</u> | <u>T/S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Dogwood</u> | <u>S</u> | <u>-</u> | 11. | | |
| 4. <u>Clubmoss</u> | <u>H</u> | <u>FAC</u> | 12. | | |
| 5. <u>Sphag moss</u> | <u>H</u> | <u>OBL</u> | 13. | | |
| 6. <u>Kalmia ang.</u> | <u>S/H</u> | <u>FAC</u> | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <u>Not Recorded</u> | |

Date: 11/11/05
 Community ID:
 Plot ID: AR 531 - A - 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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: Not Recorded

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

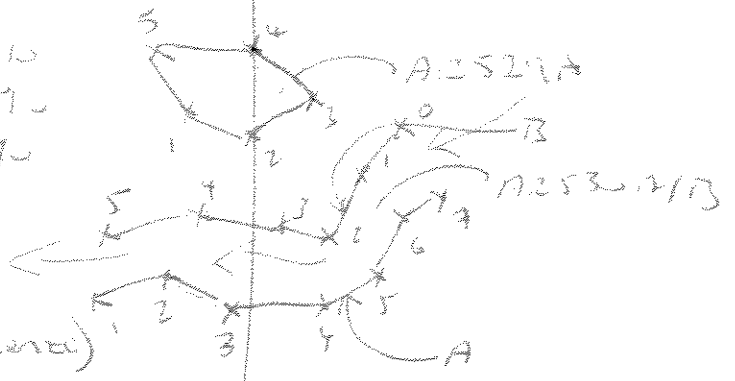
11/1/15

Delaware County, Pennsylvania

Wilmington 1505
140

1325 - Delaware (WTG 1111A)
 (Wilmington (PFO/PSS))
 Roll - Paved 1 → E 15' width
 Kerf curb T/S
 Gray brick - S
 Diagonal S
 Churn H
 Spray man H
 Chain for H

Curb:
 TRCB 20%
 Sash - 55%
 Inlet - 35%



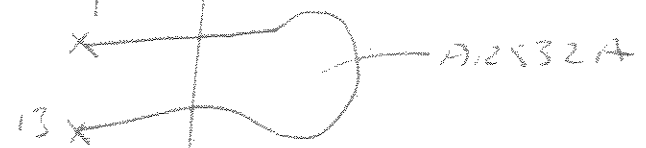
1335 - Delaware (A2521A) (PFO with curb) (Wilmington)
 ISULATED
 Roll m/te T/S
 Churn H
 Spray man H
 Gray brick H
 Chain for H
 * no showings
 on out of film

Curb:
 TRCB 30%
 Inlet 70%
 Inlet 75%



1330 - Delaware (A2530A) (PFO)
 Roll m/te T/S
 Gray brick T/S
 Churn H
 Spray man H

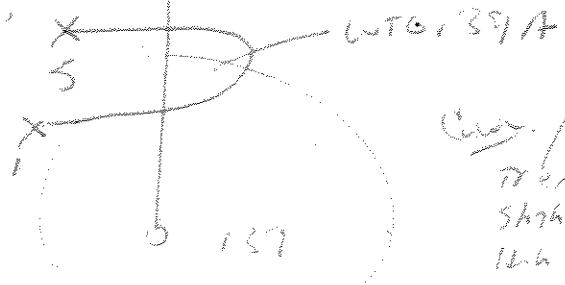
Curb:
 TRCB 30%
 Sash - 45%
 Inlet - 95%



1445 - Delaware
 WTG 139A
 MCBIC. KALIN 3
 Roll m/te T/S
 Gray brick S 1/2
 White m/te S 1/2
 Diagonal for H T/S
 Spray man H
 Churn H

1345 - Delaware (A2531A) (PSS)
 Roll m/te T/S
 Gray brick T/S
 Diagonal S
 Churn H
 Spray man H
 Kalin's Apr S/H

Curb:
 TRCB 15%
 Sash 80%
 Inlet 90%



Curb:
 TRCB - 5%
 Sash - 95%
 Inlet - 85%

1400 - A2532B (PSS)

Curb:
 TRCB - 75%
 Sash - 95%
 Inlet - 80%

Special
 A2531A

D.G. #4

Wetland

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

| | |
|---|--|
| Project Site: <i>Marble Run</i> Applicant/Owner: <i>Marble Run LLC</i> Investigator: <i>BPA</i> | Date: <i>5/13/00</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? (If needed, explain on reverse.) Yes <input checked="" type="radio"/> No | Community ID: <i>PEO/P46</i> Transect ID: Plot ID: <i>AR 534-A series - 551</i> |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: *0* Shrub: *63.0* Herb: *85.6* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------------------|--------------|-------------|------------------------|---------|-----------|
| <i>1. Bidens</i> | <i>Shrub</i> | <i>FACW</i> | <i>9.</i> | | |
| <i>2. Associated Grasses &</i> | <i>Herb</i> | <i>FACW</i> | <i>10.</i> | | |
| <i>3. Herb</i> | | | <i>11.</i> | | |
| <i>4.</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-):
Remarks:
Assume FACW for Grasses & Herbs, unable to ID due to seasonal conditions, most likely Green Bull Rush & Blue joint - FACW

HYDROLOGY

| | |
|--|---|
| <p>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</p> | <p>Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> 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 <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)</p> |
| <p>Field Observations: Depth of Surface Water (in.): <i>ndy flowing stream</i> Depth to Free Standing Water in Pit (in.): <i>surface</i> Depth to Saturated Soil (in.): <i>surface</i></p> | |
| Remarks: | |

Date: 5/15/06
 Community ID: 0500 / P85
 Plot ID:

DR 534 Agnes - 651

SOILS

Map Unit Name (Series and Phase): N/D
 Taxonomy (SubGroup): N/K
 Drainage Class: PID
 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 | Ap | 10YR 2/1 | None | None | FSL |
| 12-18 | Bw1 | 10YR 5/1 | None | None | FSL |
| | | | | | |
| | | | | | |
| | | | | | |

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 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:

WETLAND DETERMINATION

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

Remarks

U.6 - A4
Upland

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

| | |
|---|---|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPR</i> | Date: <i>5/15/06</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>PFO/065</i> Transect ID: Plot ID: <i>A2534 - A Series - 652</i> |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: <i>63.0</i> Shrub: <i>10.5</i> Herb: <i>36.0</i> Vine: <i>0</i> | | | | | |
|--|--------------|-------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Blk Cherry</i> | <i>Tree</i> | <i>FACU</i> | 9. | | |
| 2. <i>Deer</i> | <i>Tree</i> | <i>FACU</i> | 10. | | |
| 3. <i>Grey Birch</i> | <i>Tree</i> | <i>FAC</i> | 11. | | |
| 4. <i>Hazel nut</i> | <i>Shrub</i> | <i>FACU</i> | 12. | | |
| 5. <i>Alder</i> | <i>Shrub</i> | <i>FACU</i> | 13. | | |
| 6. <i>Blk cherry seedling</i> | <i>Herb</i> | <i>FACU</i> | 14. | | |
| 7. <i>Red Raspberry</i> | <i>Herb</i> | <i>FACU</i> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/7</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 | Wetland Hydrology Indicators: <i>none</i> 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>none</i> Depth to Free Standing Water in Pit (in.): <i>> 16"</i> Depth to Saturated Soil (in.): <i>> 16"</i> | |
| Remarks: | |

Date: 5/15/06
 Community ID: 201065
 Plot ID:

A2534 A Series 852

SOILS

| | |
|--|--|
| Map Unit Name (Series and Phase): N/A Taxonomy (SubGroup): N/A | Drainage Class: MWD 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 | 10Y2-3/2 | None | None | SSL |
| 8-16 | Bw1 | 10Y2 4/6 | None | None | SSL |
| | | | | | |
| | | | | | |
| | | | | | |

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

Remarks: Well defined boundary into stream P80

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

Wetland
D.6-B7
P2534-B7

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River Lha</u> Investigator: <u>BR</u> | Date: <u>5/16/06</u> County: <u>Cimarron</u> State: <u>NY</u> |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.) | Community ID: <u>Pen</u> Transect ID: Plot ID: <u>P2534-801</u> |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>63.0</u> Vine: <u>0</u> | | | | | |
|--|-------------|-------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Speciated w/ Carya</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-): | | | | | |
| Remarks: <u>Assumed FACW (Sedges, Sunnys, Blue juncos) definitive ID</u> <u>unavailable 5/16/06</u> | | | | | |

HYDROLOGY

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

Well defined Sedge

Date: 5/16/06
 Community ID: TEH
 Plot ID:
 AR 534 - 801

SOILS

Map Unit Name (Series and Phase): N/A
 Taxonomy (SubGroup): U/A
 Drainage Class: PD
 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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-14 | Ap | 10YR 3/1 | 10YR 5/8 | Few / Med / D.A. | SL |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

Remarks

Wetland adj. stream and small pond well defined.

Upland

U.G - 07

AD 534 - ~~AD~~ 552

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

| | |
|--|---|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i> | Date: <i>5/14/06</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="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input type="checkbox"/> No |
| Community ID: <i>PEO</i> Transect ID: Plot ID: <i>552</i> | |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: *63.0* Shrub: *10.5* Herb: *85.5* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------|--------------|--------------|------------------------|---------|-----------|
| 1. <i>Grey Sunk</i> | <i>Trees</i> | <i>FAC</i> | 9. | | |
| 2. <i>Carb Maple</i> | <i>Tree</i> | <i>Dpl</i> | 10. | | |
| 3. <i>B/W Cherry</i> | <i>Shrub</i> | <i>FACU</i> | 11. | | |
| 4. <i>Aspen</i> | <i>Tree</i> | <i>FACU</i> | 12. | | |
| 5. <i>Red Raspberry</i> | <i>Shrub</i> | <i>FACU</i> | 13. | | |
| 6. <i>Beard Grass</i> | <i>Herb</i> | <i>F.ACV</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *1/0*

Remarks:
Assorted Grasses assumed FACU, no definitive ID due to seasonal conditions from field grasses

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: <i>None</i> 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>None</i> Depth to Free Standing Water in Pit (in.): <i>> 15"</i> Depth to Saturated Soil (in.): <i>> 15"</i> | |
| Remarks: | |

upland

Date: 5/14/06
Community ID: FEM
Plot ID:

A2534-852

SOILS

Map Unit Name
(Series and Phase): N/A

Drainage Class: WD

Taxonomy (SubGroup): N/A

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 3/1 | None | None | Fgl |
| 12-15 | Bw ₁ | 10YR 7/6 | None | None | Fgl |
| | | | | | |
| | | | | | |
| | | | | | |

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

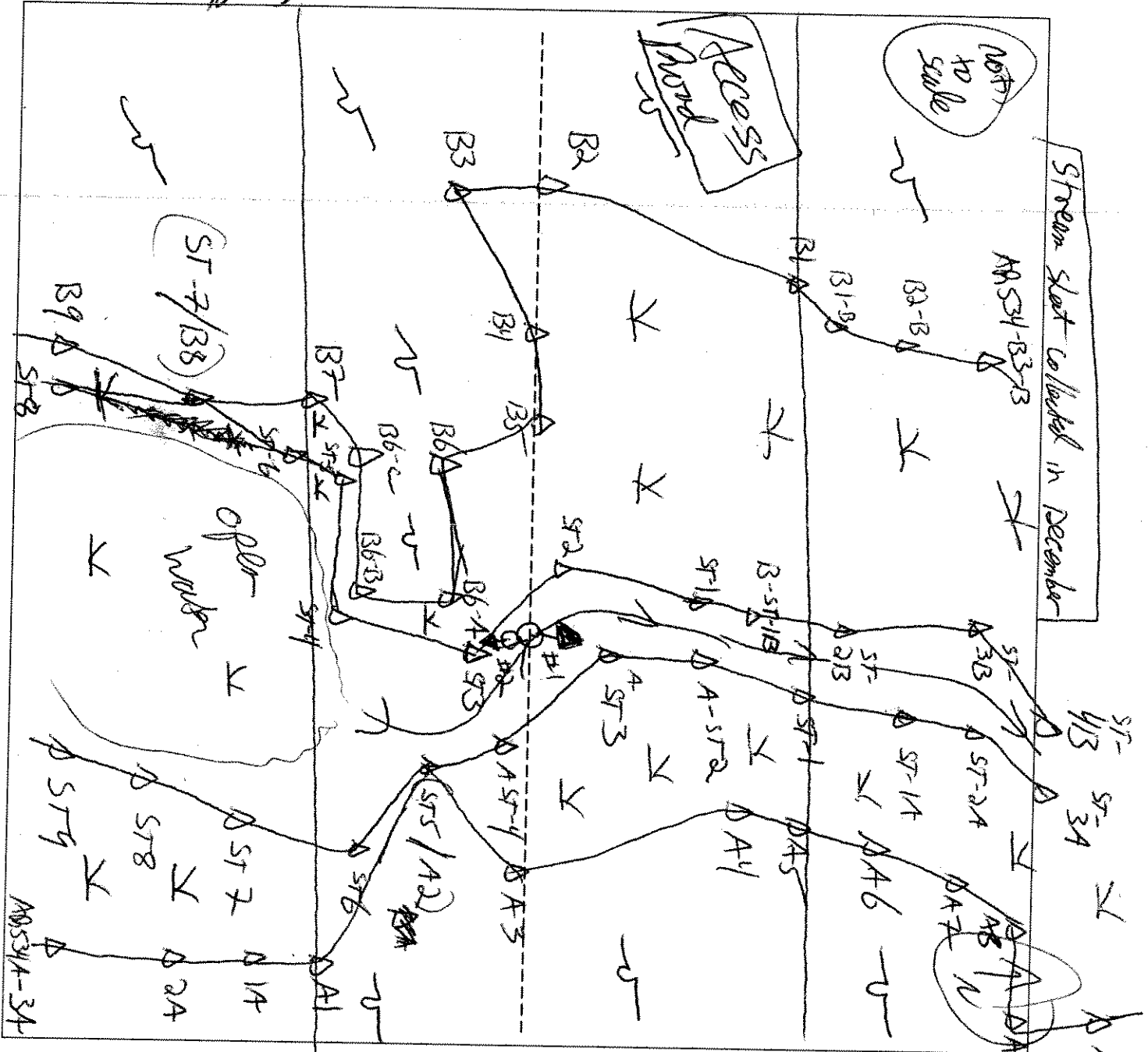
| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Wetlands Hydrology Present?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

Remarks

well defined boundary, wetland at bottom of slope

SKETCH FORM

| | |
|---|--|
| Wetland ID/Route #: AR 534A/B | Date: 5/15/06 |
| Initials of Delineators: BHT, BDR | Location: AR to WTB-21 from Rte. 189 |
| Roll #: 16H | Frames: 1, 2, 3, 4, 5 |



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

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

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>BR, KA</i> | Date: <i>5/16/06</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 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>wetland</i> Transect ID: Plot ID: <i>AR538A-SS1</i> |

VEGETATION

| Plant Community Classification: <i>PSS</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>70</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>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Willow Sp</i> | <i>S</i> | <i>FACW</i> | 10. | | |
| 3. <i>Meadow Sweet</i> | <i>S</i> | <i>FACW</i> | 11. | | |
| 4. <i>Reed Canarygrass</i> | <i>H</i> | <i>FACW</i> | 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 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 checked="" type="checkbox"/> Saturated <i>at 6"</i> <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 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.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>6"</i> | |
| Remarks: | |

Date: 5/16/06
 Community ID: wetland
 Plot ID: AB528A-551

SOILS

Map Unit Name (Series and Phase): *N/A* Drainage Class: *PB*
 Taxonomy (SubGroup): *N/A* 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 | A | 10YR 3/1 | None | None | Flow |
| 8-16 | Bw ₁ | 10YR 4/2 | 10YR 4/1 | Fine/Med/Coars | Flow |
| | | | | | |
| | | | | | |
| | | | | | |

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:

WETLAND DETERMINATION

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

Remarks

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

| | |
|--|---|
| Project Site: <i>Morble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>BBR, JSD</i> | Date: <i>5/16/06</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 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>upland</i> Transect ID: Plot ID: <i>AB538A-552</i> |

VEGETATION

| Plant Community Classification: <i>Ag field with bordering deciduous forest</i> | | | | | |
|---|-------------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>40</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>Black cherry</i> | <i>T</i> | <i>FACU</i> | 9. | | |
| 2. <i>Black cherry</i> | <i>S</i> | <i>FACU</i> | 10. | | |
| 3. <i>Quaking Asp</i> | <i>T</i> | <i>FACU</i> | 11. | | |
| 4. <i>Grey Birch</i> | <i>Scap</i> | <i>FAC</i> | 12. | | |
| 5. <i>Hawthorn</i> | <i>Scap</i> | <i>FACU</i> | 13. | | |
| 6. <i>Field Grass</i> | <i>Herb</i> | <i>FAC</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/6</i> | | | | | |
| Remarks: <i>Assumed FAC unable to ID due to seasonal conditions.</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 | Wetland Hydrology Indicators: 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 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>None</i> Depth to Free Standing Water in Pit (in.): <i>> 15"</i> Depth to Saturated Soil (in.): <i>> 15"</i> | |
| Remarks: | |

Date: 5/16/06
 Community ID: Upland
 Plot ID: AA 538A-552

SOILS

Map Unit Name (Series and Phase): *N/A*

Drainage Class: *MWD*

Taxonomy (SubGroup): *N/A*

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>0-15</i> | <i>Ap</i> | <i>10Y2 4/6</i> | <i>None</i> | <i>None</i> | <i>FLA</i> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

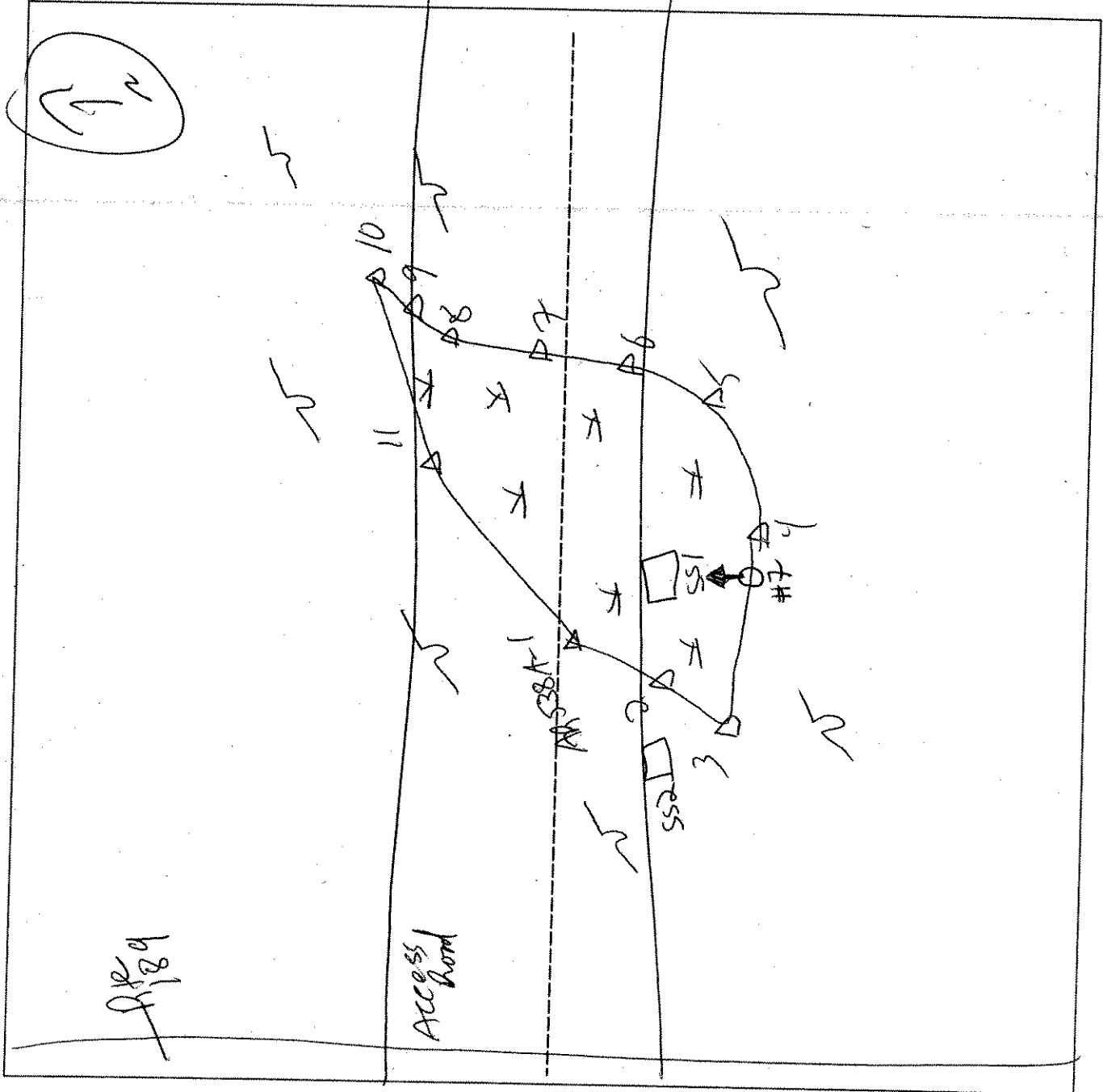
| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Wetlands Hydrology Present?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

Remarks

Previously farmed area

SKETCH FORM

| | | |
|---|------------------------------------|-------|
| Wetland ID/Route #: <i>AR 538A</i> | Date: <i>5/16/06</i> | Time: |
| Initials of Delineators: <i>BR, ISH</i> | Location: <i>AR off of Rte 189</i> | |
| Roll #: <i>KH</i> | Frames: <i>7 - looks N</i> | |



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

10-10-2
 122 1312111

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

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RID JV</u> | Date: <u>5-21-06</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: <u>Wetland</u> Transect ID: Plot ID: <u>AR540A-SSI</u> |

VEGETATION

Plant Community Classification: PSS / OW
 Percent Canopy Cover: Tree: 0% Shrub: 60% Herb: 10% Vine: 0%

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|----------------------------|----------|--------------|--------------------------|----------|-------------|
| 1. <u>Silky Willow</u> | <u>S</u> | <u>OBL</u> | 9. <u>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> |
| 2. <u>BLAK Willow</u> | <u>S</u> | <u>FACW</u> | 10. <u>R. Maple</u> | <u>S</u> | <u>FAC</u> |
| 3. <u>S. Alder</u> | <u>S</u> | <u>FACW+</u> | 11. | | |
| 4. <u>M. Sweet</u> | <u>S</u> | <u>FACW</u> | 12. | | |
| 5. <u>S. affinis</u> | <u>H</u> | <u>FACW+</u> | 13. | | |
| 6. <u>Carex Crinata</u> | <u>H</u> | <u>OBL</u> | 14. | | |
| 7. <u>Carex sp.</u> | <u>H</u> | <u>-</u> | 15. | | |
| 8. <u>Interrupted Fern</u> | <u>H</u> | <u>FAC</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 | Wetland Hydrology Indicators: Primary Indicators: <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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): <u>12" +</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | Remarks: |

Date: 5-21-06
 Community ID: Wetland
 Plot ID: AR540A SSI

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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 10YR 2/1 | | | silt loam |
| 8-10 | B | 1.5YR 5/2 | | | 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:

Refusal @ 10"

WETLAND DETERMINATION

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

Remarks

Photo 2 => N of SSI
 Wetland is isolated

2010
2010
2010

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

| | |
|--|---|
| Project Site: NI River Applicant/Owner: M RIVER LLC Investigator: RJD JV | Date: 5-21-06 County: Clinton State: NV |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.) | Community ID: Upland Transect ID: PF01 Plot ID: AR540A-SSR |

VEGETATION

| Plant Community Classification: PEAT Forested Deciduous | | | | | |
|--|--------------|-------------|------------------------------|------------|-------------|
| Percent Canopy Cover: Tree: 05% Shrub: 105% Herb: 15% Vine: 0% | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Am. Beech | T/S | FACU | 9. Mouflower | T/W | FAC- |
| 2. Bk. Cherry | T | FACU | 10. Whort. Wood Aster | T/W | UPL |
| 3. R. Maple | T/S/H | FAC | 11. Tale Club Moss | H | FACU |
| 4. G. Birch | T | FAC | 12. | | |
| 5. Yellow Birch | T | FAC | 13. | | |
| 6. Hobble bush | S | FAC | 14. | | |
| 7. Striped Maple | S | FACU | 15. | | |
| 8. Wood Fern | H | FAC | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50% | | | | | |
| Remarks: Mature Forest | | | | | |

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 N/A</p> <p>___ Saturated N/A</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.): 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:</p> | |

Date: 5-21-06
 Community ID: upland
 Plot ID: AR 540A-SSR

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 | | | | organics |
| 2-4 | A | 10YR 2/1 | | | Silt loam |
| 4-6 | E | 7.5YR 5/2 | | | Sand |
| 6-10 | B ₁ | 7.5YR 2.5/3 | | | Silty clay loam |
| 10-19 | B ₂ | 7.5YR 3/4 | | | Silty clay loam w/ gravel |

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:

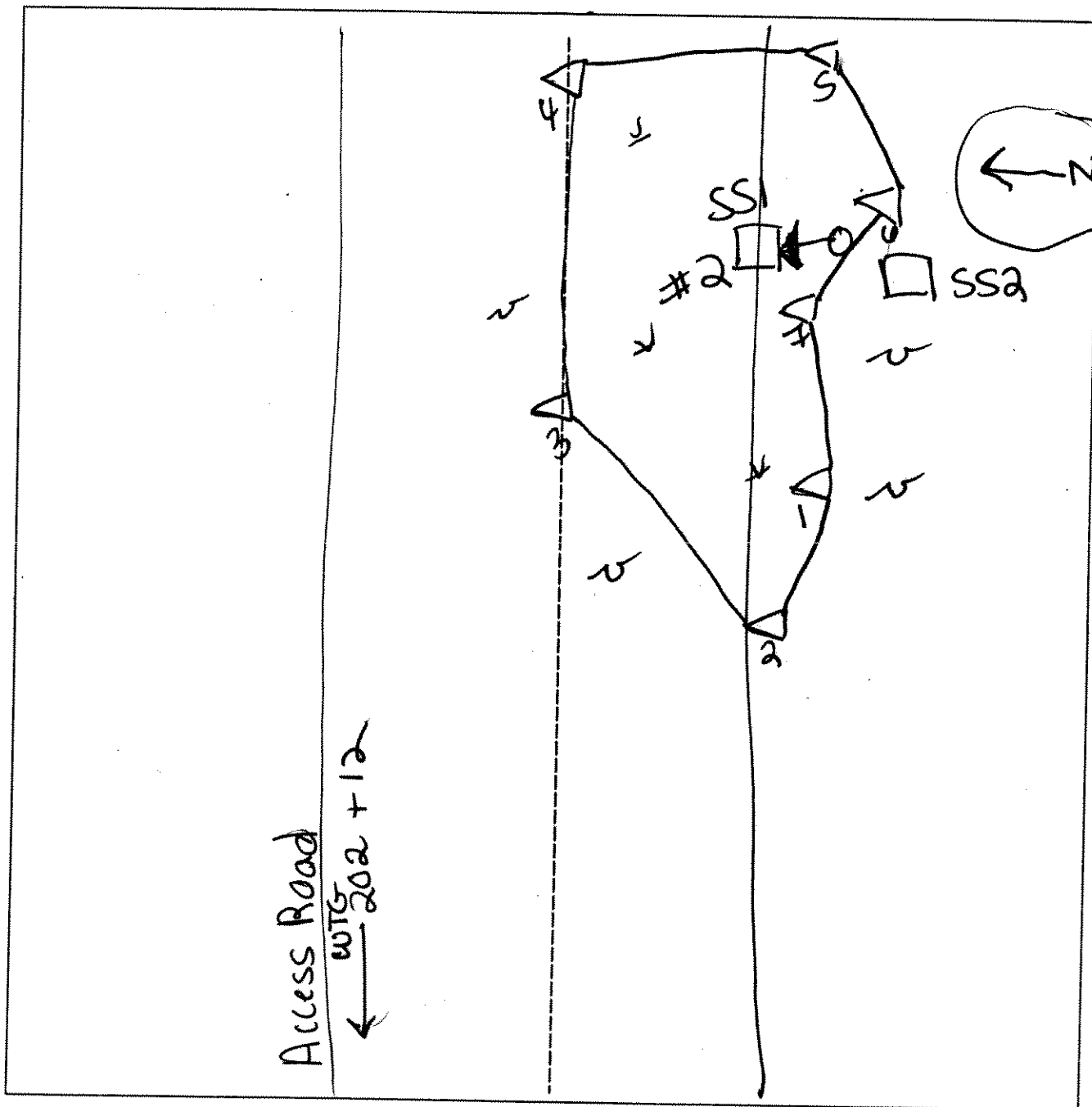
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="radio"/> No <input type="radio"/> | 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"/> | |
| Hydric Soils Present? | Yes <input type="radio"/> No <input checked="" type="radio"/> | |

Remarks

SKETCH FORM

| | | |
|--|--|-------|
| Wetland ID/Route #: AR 540A | Date: 5-21-06 | Time: |
| Initials of Delineators: RJD JV | Location: Access road to WTG 202 + 12 | |
| Roll #: 2 => N at SS1 | Frames: | |



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

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

| | |
|--|---|
| Project Site: <u>s Marble River</u> Applicant/Owner: <u>City of the Marston, LLC</u> Investigator: <u>JV KH DU RD</u> | Date: <u>5-2-06</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: <u>Wetland</u> Transect ID: Plot ID: <u>PR 599A1 SSI</u> <u>599A2</u> |

VEGETATION

| Plant Community Classification: <u>PSS</u> | | | | | |
|---|----------|----------------|------------------------|----------|--------------|
| Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>25%</u> Herb: <u>90%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Spekled Alder</u> | <u>T</u> | <u>FACW</u> | 9. <u>Elderberry</u> | <u>S</u> | <u>FACW-</u> |
| 2. <u>Red Maple</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>Silky Willow</u> | <u>S</u> | <u>OBL</u> | 11. | | |
| 4. <u>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> | 12. | | |
| 5. <u>Golden Rod</u> | <u>H</u> | <u>unknown</u> | 13. | | |
| 6. <u>Reed Canary Grass</u> | <u>H</u> | <u>FACW</u> | 14. | | |
| 7. <u>un i.d Herb A</u> | <u>H</u> | <u>-</u> | 15. | | |
| 8. <u>un i.d Herb B</u> | <u>H</u> | <u>-</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u> | | | | | |
| Remarks: Herb B: <u>Celandine</u> Herb A: <u>Stoncrop Sp.</u> <u>Sedum sp.</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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>0</u> Depth to Free Standing Water in Pit (in.): <u>12"</u> Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5-2-06
 Community ID: Wetland
 Plot ID: AR 599A1 S51
 599A2

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 | 10YR 2/1 | — | — | 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:

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

Photo 3 = 7E

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

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>N/A</u> Investigator: <u>JV KH DO KD LLC (MARBLE RIVER)</u> | Date: <u>5-2-06</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: <u>Upland</u> Transect ID: Plot ID: <u>AR 599A1 SS 2</u> <u>599A2</u> |

VEGETATION

| Plant Community Classification: <u>Early Successional</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>Dandelion</u> | <u>H</u> | <u>UPL</u> | 9. | | |
| 2. <u>Grass sp</u> | <u>H</u> | <u>UPL</u> | 10. | | |
| 3. | | <u>Unknown</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>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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>0</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u> | NOTE: HEAVY RAINS |
| Remarks: | |

Date: 5-2-06
 Community ID: upland
 Plot ID: AR 599 A1552
 599A2

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 | 10 YR 3/2 | — | — | 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 @ 6"

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

Photo 3 => E

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

AR599A extension

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|-----|-------------------------------------|-----|----|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/9/07 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 align="center"><input checked="" type="radio"/> Yes</td> <td align="center"><input type="radio"/> No</td> </tr> <tr> <td align="center">Yes</td> <td align="center"><input checked="" type="radio"/> No</td> </tr> <tr> <td align="center">Yes</td> <td align="center">No</td> </tr> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | Yes | <input checked="" type="radio"/> No | Yes | No |
| <input checked="" type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Yes | No | | | | | | |
| Community ID: PSS Transect ID: Plot ID: AR700A - SSI AR599A | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 0 Shrub: 90 Herb: 85 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Airius rugosa</i> | S | FACW | 9. | | |
| 2. <i>SALIX</i> | S | FACW | 10. | | |
| 3. <i>Spiraea latifolia</i> | S | FACW | 11. | | |
| 4. <i>Rhus glabra</i> | H | | 12. | | |
| 5. <i>Solidago sp</i> | H | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: cannot I.d due to time of year. | | | | | |

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 checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" 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 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.): 2+'' Depth to Free Standing Water in Pit (in.): 4'' Depth to Saturated Soil (in.): 8'' | |
| Remarks: | |

Date:
 Community ID:
 Plot ID: 851

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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-2 | O | 10YR 2/2 | | | Silt |
| 2-10 | A | 10YR 2/1 | | | loamy 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: saturation @ 0", standing H₂O impet @ 4"

WETLAND DETERMINATION

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

Remarks: ^{Photo 3} HR 700 = E
 photo 4 599 = NE

DEC WL

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/9/07</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>UPL</u> Transect ID: <u>AR700A</u> Plot ID: <u>AR599A</u> <u>SSA</u> |

VEGETATION

| | | | | | |
|---|--|----------|-------------|------------------------|--|
| Plant Community Classification: <u>Wetland</u> | | | | | |
| Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>95</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | | Stratum | Indicator | Dominant Plant Species | |
| 1. <u>Galium</u> | | <u>H</u> | <u>FACW</u> | 9. | |
| 2. <u>Trifolium</u> | | <u>H</u> | <u>FACW</u> | 10. | |
| 3. <u>Solidago sp</u> | | <u>H</u> | <u>—</u> | 11. | |
| 4. <u>grass sp</u> | | <u>H</u> | <u>—</u> | 12. | |
| 5. | | | | 13. | |
| 6. | | | | 14. | |
| 7. | | | | 15. | |
| 8. | | | | 16. | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u><50%</u> | | | | | |
| Remarks: <u>Cannot id due to season</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 | Wetland Hydrology Indicators: <u>NA</u> 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: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/9/07
 Community ID: AR700A
 Plot ID: AR599A

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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-3 | A | 10.9R 4/2 | | | sand |
| 3-15 | B | 10YR 4/3 | | | 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 checked="" 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 are comprised of sand and fill.
 >50% coarse fragments.

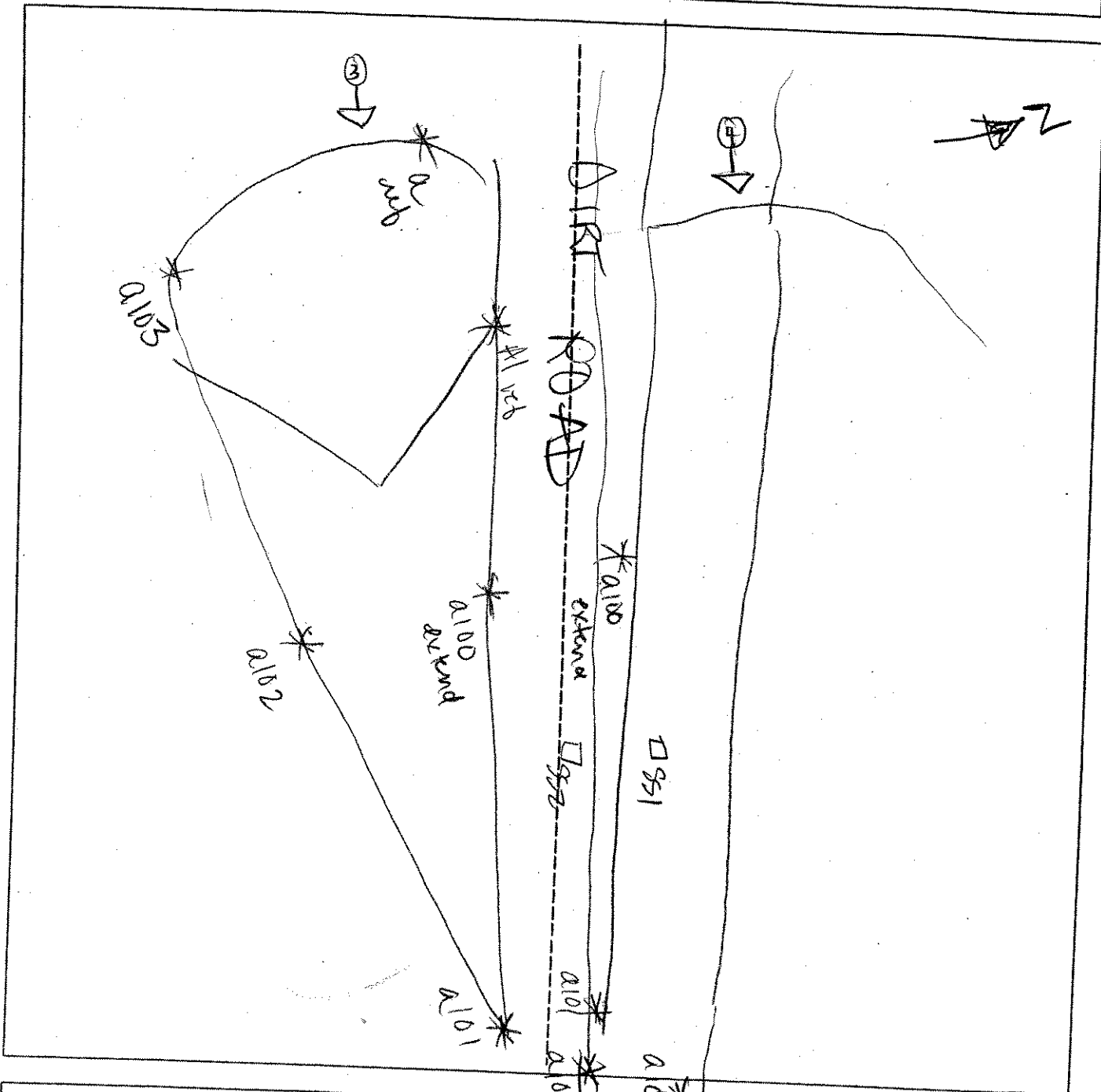
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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

SKETCH FORM

| | | | |
|--|---------|------------------------------|-------|
| Wetland ID/Route #: AR 700 A <u>AR 599 A</u> EXT | | Date: 5/9/07 | Time: |
| Initials of Delineators: JV AP | | Location: Clinton Mills Road | |
| Roll #: | Frames: | | |



Legend

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

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

| | |
|---|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>for LLC</u> Investigator: <u>JV RH RW DO</u> | Date: <u>5-2-06</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: <u>Wetland</u> Transect ID: Plot ID: <u>AR 599 B/SS1</u> |

599B2

VEGETATION

| Plant Community Classification: <u>PSS</u> | | | | | |
|--|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>75%</u> Herb: <u>95%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Keed Canary</u> | <u>H</u> | <u>FACW+</u> | 9. | | |
| 2. <u>Elderberry</u> | <u>S</u> | <u>FACW-</u> | 10. | | |
| 3. <u>Solidago sp</u> | <u>H</u> | <u>-</u> | 11. | | |
| 4. <u>Hamamint sp.</u> | <u>H</u> | <u>-</u> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>0</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

Date: 5-2-06
 Community ID: Wetland
 Plot ID: AR 599B1551
 599B2

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. |
| 0-12 | A | 10YR 2/1 | — | — | 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 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 @ 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
 Photo 4 => NW

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

| | |
|---|---|
| Project Site: T Marble River | Date: 5-2-06 |
| Applicant/Owner: LLC | County: Clinton |
| Investigator: IV DO KH KH | State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Community ID: upland Transect ID: Plot ID: AR 599B1 S52 599B2 |
| Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.) | |

VEGETATION

Plant Community Classification: **Successional**

Percent Canopy Cover: Tree: **25%** Shrub: **90%** Herb: **00%** Vine: **25%**

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. American Elm | T | FACW- | 9. | | |
| 2. Grass sp. | H | UPL | 10. | | |
| 3. Mustard sp. | H | - | 11. | | |
| 4. Joe pye weed | H | FACW | 12. | | |
| 5. Virginia Brewer | V | FAC | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **50%**

Remarks:

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.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p> | |
| Remarks: | |

Date: 5-2-06
 Community ID: upland
 Plot ID: AR 599 B1 552
 599 B2

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 | A | 10YR 3/2 | — | — | 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 @ 10"

WETLAND DETERMINATION

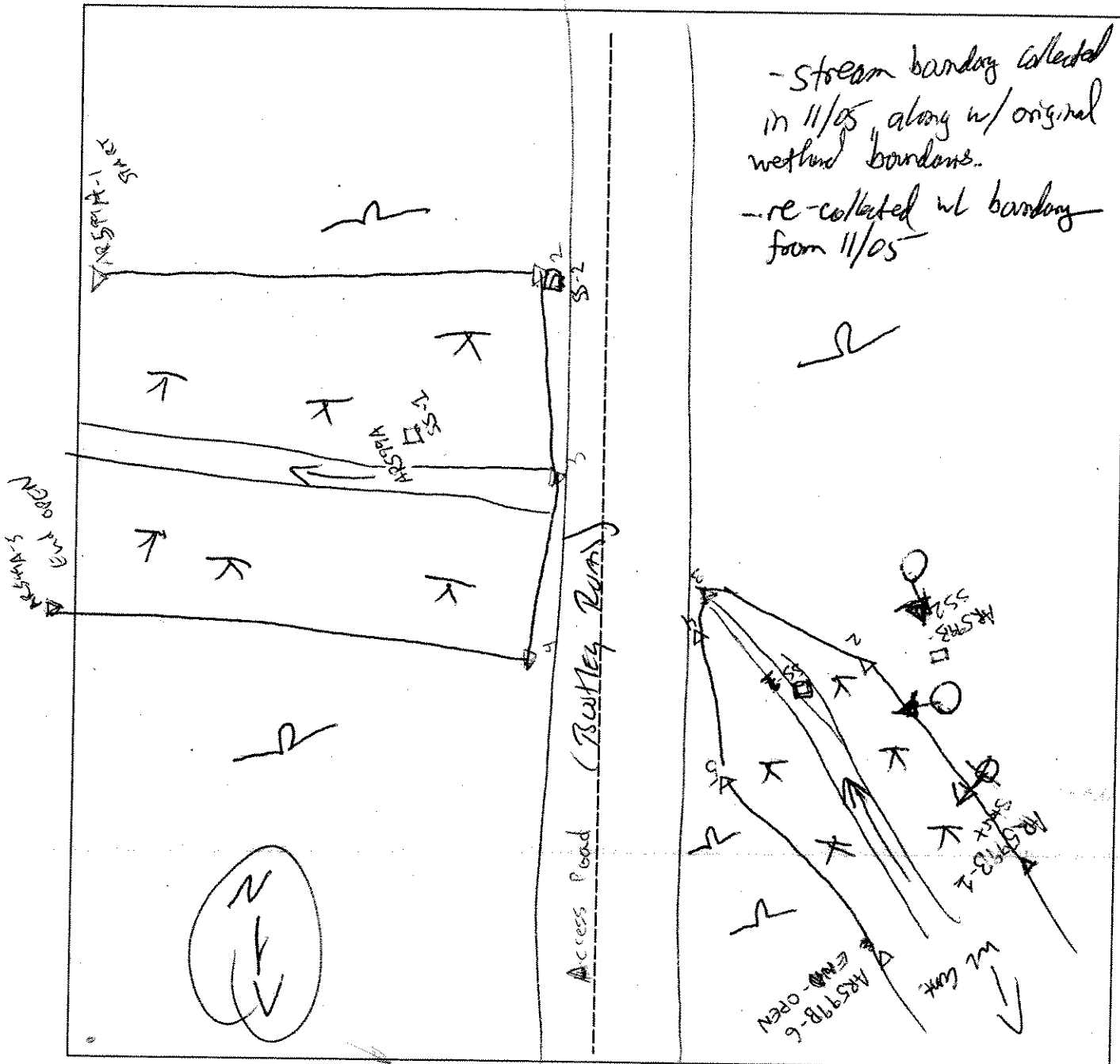
| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Wetlands Hydrology Present?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

Remarks

Photos => N

SKETCH FORM

| | | |
|---|-----------------------------|-------|
| Wetland ID/Route #: <u>ARB-ARS99 A/B</u> | Date: <u>5/2/06</u> | Time: |
| Initials of Delineators: <u>JSH, KD, JV</u> | Location: <u>Bostley Pk</u> | |
| Roll #: <u>BH camera</u> | 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.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, KSH</i> | Date: <i>11/7/05</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>A600A-SS1</i> |

VEGETATION

| Plant Community Classification: <i>PSS</i> | | | | | |
|--|----------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>35</i> Herb: <i>95</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Spotted Alder</i> | <i>S</i> | | 9. | | |
| 2. <i>shrub sp?</i> | <i>S</i> | | 10. | | |
| 3. <i>Grass sp</i> | <i>H</i> | | 11. | | |
| 4. <i>Mountain Sweet</i> | <i>S</i> | | 12. | | |
| 5. <i>Sphagnum</i> | <i>H</i> | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>NO leaves on veg. - difficult to ID</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 | 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) |
| Field Observations: 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: | |

A300A-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. |
| 0-4 | A | 10YR-2/1 | | | Silt loam |
| 4-8 | B | 10YR-3/1 | | | 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: <i>Refusal of Auger 8"</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) No | |
| Remarks | | | | | |

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

| | |
|---|--|
| Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISSH, ISH</i> | Date: <i>11/7/05</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: <i>upland</i> Transect ID: Plot ID: <i>AP 600A-SSA</i> |

VEGETATION

| Plant Community Classification: <i>upland forest</i> | | | | | |
|--|----------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>10</i> Herb: <i>5</i> Vine: <i>1</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>Black Cherry</i> | <i>S</i> | | 10. | | |
| 3. <i>Meadow Sweet</i> | <i>H</i> | | 11. | | |
| 4. <i>cow vetch</i> | <i>H</i> | | 12. | | |
| 5. <i>Strawberry</i> | <i>H</i> | | 13. | | |
| 6. <i>Rubus Sp</i> | <i>H</i> | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| 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 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>N/A</i> Depth to Free Standing Water in Pit (in.): <i>> 18 in</i> Depth to Saturated Soil (in.): <i>> 18 in</i> | |
| Remarks: | |

AP300A-upl

SOILS

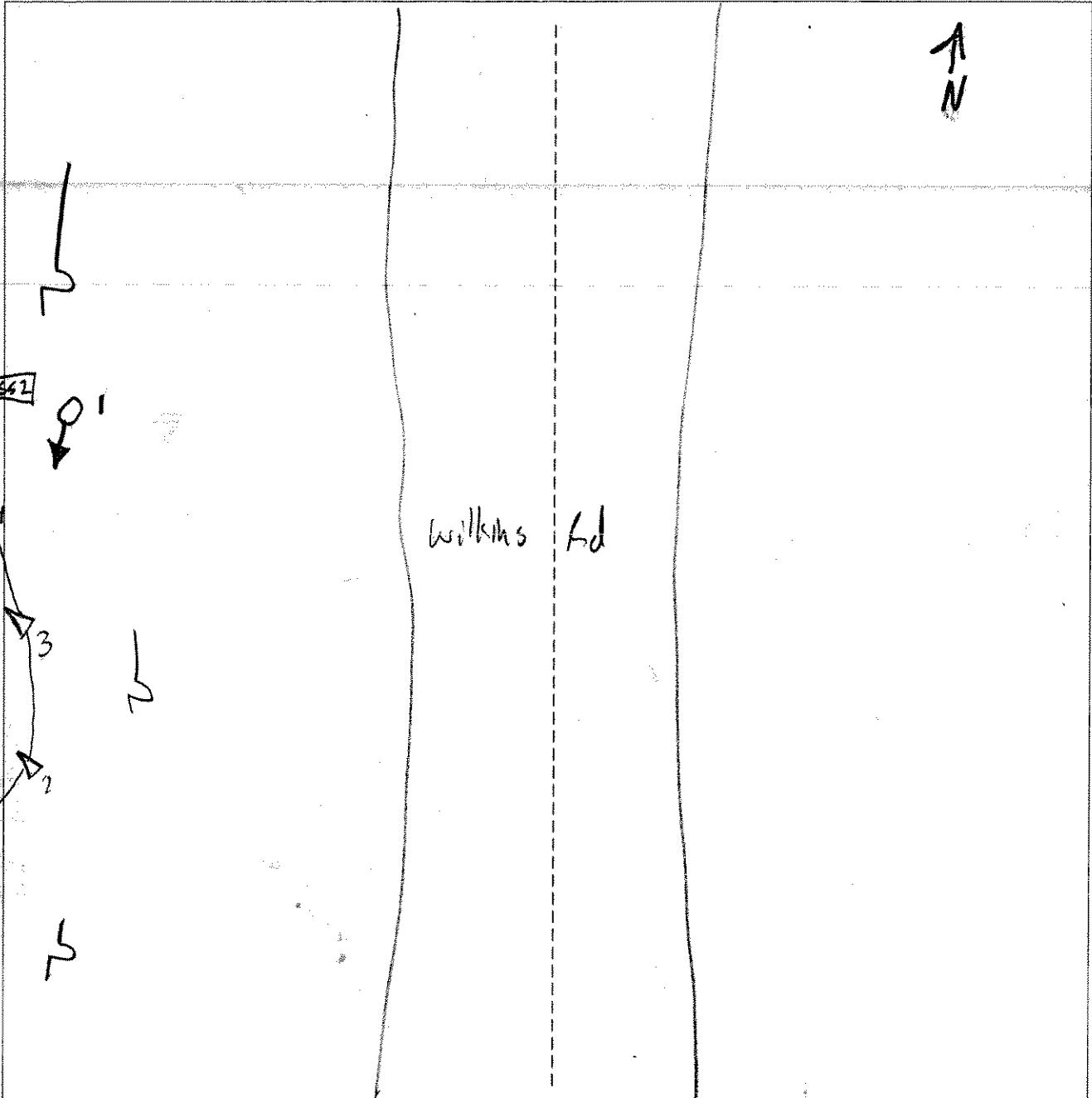
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|--|----------------|---|----------------------------------|-------------------------------------|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/ Size/Contrast | Texture, Concretions, Structure, etc. |
| 0-11 | A | 10YR-2/2 | 5YR-1/6 | Few / large / distinct | loam |
| 12-18 | A 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 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 <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 | | | |

AL600A SKETCH FORM

| | | |
|----------------------------------|-------------------------|------------|
| Wetland ID/Route #: | Date: 11-7-05 | Time: 0930 |
| Intials of Delineators: KSH / KH | Location: wilkins Prop. | |
| Roll #: KSHCAM | Frames: 1 | |



| 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.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISSM, JSH</i> | Date: <i>11/9/05</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>PEM</i> Transect ID: Plot ID: <i>AMB01A-SS1</i> |

VEGETATION

| Plant Community Classification: <i>PEM</i> | | | | | |
|--|----------|-----------------|------------------------|---------|-----------|
| Percent Canopy Cover: | | Tree: <i>30</i> | Shrub: <i>20</i> | Herb: | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer Rubrum</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Spiculated Alder</i> | <i>S</i> | | 10. | | |
| 3. <i>Sensitive Fern</i> | <i>H</i> | <i>FACV</i> | 11. | | |
| 4. <i>Wood Fern</i> | <i>H</i> | | 12. | | |
| 5. <i>Large Golden Rod</i> | <i>H</i> | | 13. | | |
| 6. <i>Rubus Sp</i> | | | 14. | | |
| 7. | | | 15. | | |
| 8 | | | 16. | | |
| 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 checked="" 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 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.): <i>1 inch in places</i> Depth to Free Standing Water in Pit (in.): <i>3</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

AR30/A-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. |
|-------------------|---------|---------------------------------|----------------------------------|-------------------------------------|--|
| 0-4 | A | 10YR-3/1 | | | silt loam w/organics |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 4 inches
 - shallow bedrock

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 | | | Yes No |

Remarks

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

| | |
|---|--|
| Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>JSH, JH</i> | Date: <i>11/7/05</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>AR601A-SSR</i> |

VEGETATION

| Plant Community Classification: <i>Upland Forest</i> | | | | | |
|--|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>25</i> Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer Rubrum</i> | <i>F</i> | <i>FAC</i> | 9. | | |
| 2. <i>Green Birch</i> | <i>F</i> | <i>FAC</i> | 10. | | |
| 3. <i>Acer Rubrum</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Black cherry</i> | <i>S</i> | | 12. | | |
| 5. <i>Blackberry</i> | <i>H</i> | <i>FACV</i> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| 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 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>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: | |

AR301A - 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. |
| 0-2 | A | 10YR-2/1 | . | | Silt loam |
| 2-12 | B | 7.5YR-3/3 | | | 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>Refusal of Auger @ 12 inches</i> | | | | | |

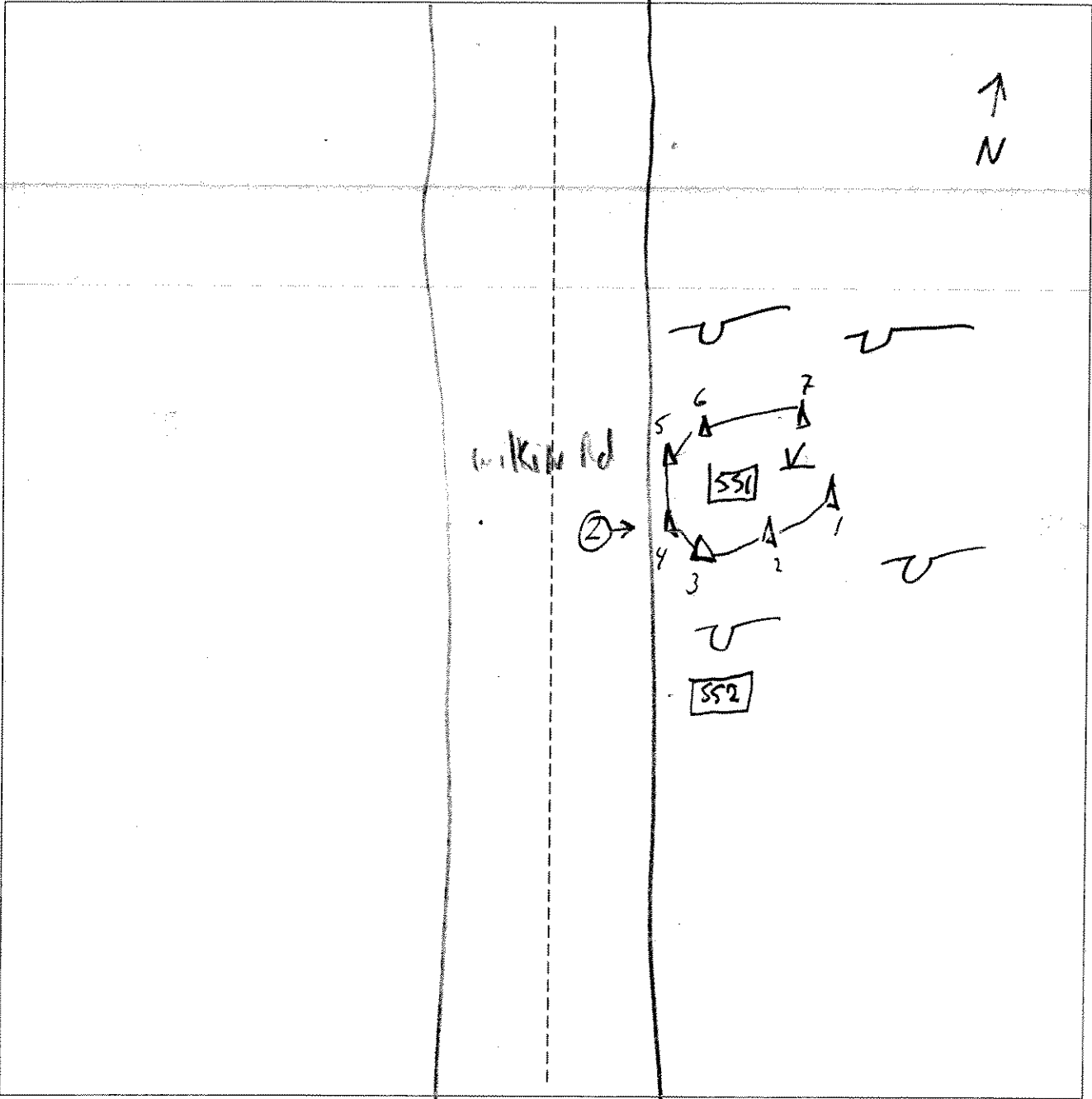
WETLAND DETERMINATION

| | | | | | |
|---------------------------------|-----|-------------------------------------|----------|--|---|
| 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 | | | | | |

AR601-A

SKETCH FORM

| | | |
|-------------------------------------|----------------------|------------|
| Wetland ID/Route #: | Date: 11-7-05 | Time: 1019 |
| Initials of Delineators: KSII / KII | Location: Wilking Rd | |
| Roll #: KSII CAM | Frames: 2 | |



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>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>DAVID DO</u> | Date: <u>5/3/06</u> County: <u>CATTARAUGUS</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>W02AN1</u> Transect ID: <u>AR602A</u> Plot ID: <u>SS1</u> |

VEGETATION

| Plant Community Covertypes: <u>DSS/DEM</u> | | Height Tree Canopy: <u>Ø</u> | | Height Shrub Layer: <u>up to 20'</u> | | HERBS: <u>80%</u> | |
|--|----------|---------------------------------------|---------------------------|--------------------------------------|--------------|-------------------|--|
| Percent Cover Tree Canopy: <u>Ø</u> | | Percent Cover Shrub Layer: <u>25%</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator | | |
| 1. <u>RED MAPLE sapling</u> | <u>S</u> | <u>FAC</u> | 9. <u>MEADOW SWEET</u> | <u>S</u> | <u>FACW+</u> | | |
| 2. <u>SHOP LARCEL</u> | <u>S</u> | <u>FAC</u> | 10. <u>SPLEEKED ALDER</u> | <u>S</u> | <u>FACW+</u> | | |
| 3. <u>GRAY BIRCH</u> | <u>S</u> | <u>FAC</u> | 11. <u>STEELIE BARK</u> | <u>S</u> | <u>FACW</u> | | |
| 4. <u>SILKY WILLOW</u> | <u>S</u> | <u>OBL</u> | 12. | | | | |
| 5. <u>SPRING SUMMER</u> | <u>H</u> | <u>OBL*</u> | 13. | | | | |
| 6. <u>S. ELGUSUS</u> | <u>H</u> | <u>FACW+</u> | 14. | | | | |
| 7. <u>CIN PERN</u> | <u>H</u> | <u>FACW</u> | 15. | | | | |
| 8. <u>Unidentified grass</u> | <u>H</u> | <u>—</u> | 16. | | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | | | |
| Remarks: <p>* Not listed; presumed OBL</p> | | | | | | | |

HYDROLOGY

| | |
|---|--|
| 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 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 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>10" +</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): 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 | O | 10YR 4/4 | — | — | ORGANICS |
| 3-9 | A | 10YR 2/2 | — | — | HEAVY SILT LOAM |
| 9-10 | B | 10YR 6/1 | — | — | SANDY 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 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:

refused @ 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 |

Remarks

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

| | |
|--|--|
| Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RDS & DO</u> | Date: <u>5/3/06</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: <u>U01A1</u> Transect ID: <u>AR 602A</u> Plot ID: <u>SS2</u> |

VEGETATION

| | | | |
|---|---------------------------------------|-----------------------------------|-------------|
| Plant Community Covertype: <u>U01A1 PUDAT (Decid)</u> | Height Tree Canopy: <u>45-50'</u> | Height Shrub Layer: <u>15-20'</u> | <u>Hab.</u> |
| Percent Cover Tree Canopy: <u>50%</u> | Percent Cover Shrub Layer: <u>50%</u> | <u>40%</u> | <u>90</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>BROWN BIRCH</u> | <u>T/S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Y. ASPEN (Quake)</u> | <u>T</u> | <u>FACU</u> | 11. | | |
| 4. <u>TRAILER FERN</u> | <u>H</u> | <u>FACU</u> | 12. | | |
| 5. <u>TREE-LIKE CLUBMOSSES</u> | <u>H</u> | <u>FACU</u> | 13. | | |
| 6. <u>WINTER GREEN</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>SHEEP LAUREL</u> | <u>S/H</u> | <u>FAC</u> | 15. | | |
| 8. <u>BOISAM FIR SEEDING</u> | <u>S/H</u> | <u>FAC</u> | 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 | 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 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>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</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. |
| 0-3 | O | 10YR 3/3 | - | - | OR 6 A11/3 |
| 3-9 | A | 10YR 2/1 | - | - | 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 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 Aya at 9" | | | | | |

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: <u>MALBIE RIVER</u> Applicant/Owner: <u>MALBIE RIVER, LLC</u> Investigator: <u>RED, DO</u> | Date: <u>5/3/06</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.) | <table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><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: <u>WETLANDS</u> Transect ID: <u>AR602B</u> Plot ID: <u>SS1</u> | | | | | | | |

VEGETATION

| Plant Community Coverttype: <u>PSS/PEM</u> | | Height Tree Canopy: | | Height Shrub Layer: <u>up to 20'</u> <u>HERB.</u> | |
|--|----------|---------------------------------------|------------------------|---|--------------|
| Percent Cover Tree Canopy: <u>0</u> | | Percent Cover Shrub Layer: <u>60%</u> | | <u>100%</u> | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>RED maple</u> | <u>S</u> | <u>FAC</u> | 9. <u>LUCEID SEDGE</u> | <u>H</u> | <u>OBL</u> |
| 2. <u>GRAY Birch</u> | <u>S</u> | <u>FAC</u> | 10. <u>J. E. ...</u> | <u>H</u> | <u>FACW+</u> |
| 3. <u>SPARKLED Alder</u> | <u>S</u> | <u>FACW+</u> | 11. <u>Reds ...</u> | <u>H</u> | <u>FACW+</u> |
| 4. <u>mirrored ...</u> | <u>S</u> | <u>FACW+</u> | 12. <u>STEELIE ...</u> | <u>S</u> | <u>FACW</u> |
| 5. <u>Silky willow</u> | <u>S</u> | <u>OBL</u> | 13. | | |
| 6. <u>SPINY ...</u> | <u>H</u> | <u>-</u> | 14. | | |
| 7. <u>SHEEP ...</u> | <u>H</u> | <u>FAC</u> | 15. | | |
| 8. <u>Unknown ...</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 | Wetland Hydrology Indicators: Primary Indicators: <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 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>2" 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. |
| 0-3 | O | 10yr 3/2 | | - | organics |
| 3-20 | A | 10yr 2/1 | 50/50 | - | silty clay |
| | | 10yr 4/1 | mix | - | silty 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 | |
| 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: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD, DO | Date: 5-3-06 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 checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) | Community ID: upland Transect ID: AR602B Plot ID: 552 |

VEGETATION

Plant Community Covertypes: upland Forest (Deciduous / Conifer mix)
 Height Tree Canopy: 40-50 ft Height Shrub Layer: 15-20 ft
 Percent Cover Tree Canopy: 80% Percent Cover Shrub Layer: 65% Herb 50%

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red Maple | T/S | FAC | 9. Canada Dry Lilly | H | FAC+ |
| 2. Grey Birch | T/S | FAC | 10. Meadow Sweet | S | FACW+ |
| 3. Black Cherry | T/S | FACU | 11. Wood Fern | H | — |
| 4. Balsm Fir | T/S | FAC | 12. T. Aspen (Quake) | T | FACU |
| 5. Sheep Laurel | S | FAC | 13. | | |
| 6. Service berry | S | FAC | 14. | | |
| 7. Wintergreen | H | FACU | 15. | | |
| 8 Club Moss sp. | H | — | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 70%

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 | 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 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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A | |
| Remarks: | |

AR 6027-SSZ
ID: Upland

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. |
|-------------------|---------|---------------------------------|----------------------------------|-------------------------------------|--|
| 0-10 | A | 10YR 2/1 | — | — | Rich Loam |
| 10-14 | B | 10YR 6/3 | — | — | Loamy Sand to 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:

repinal @ 14"

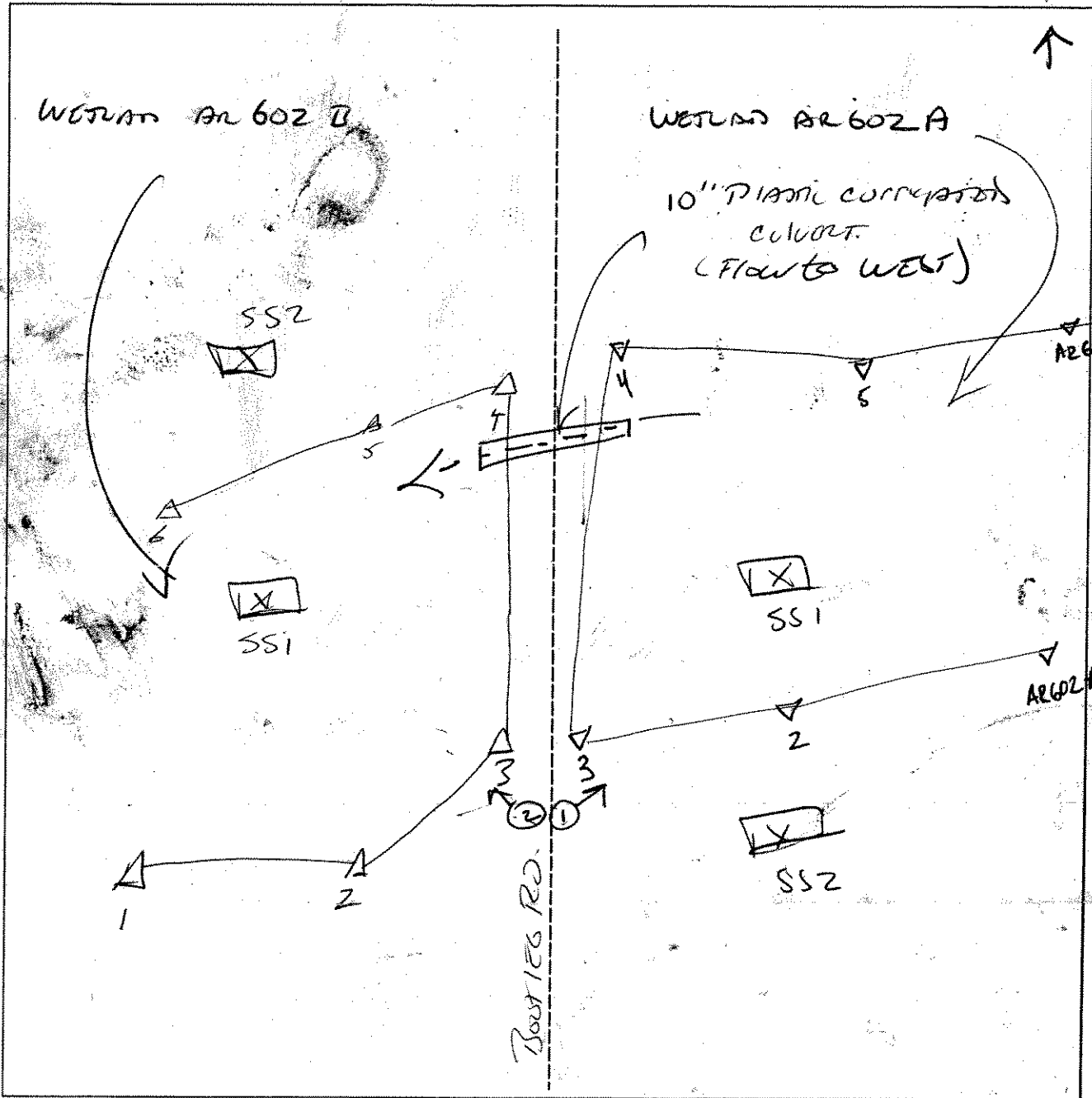
WETLAND DETERMINATION

| | | | | |
|--|-----|----|----------|----------|
| 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 #: <u>BOST 106 RD</u> | | Date: <u>5/3/06</u> | Time: <u>0930</u> |
| Initials of Delineators: <u>TRM DO</u> | | Location: <u>BOST 106 RD</u> | |
| Roll #: | Frames: | <u>Photo 1 = NE AT WETLAND AR 602B</u> <u>11 2 = NW AT WETLAND AR 602B</u> | |



| 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: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>JV KH DO RH</u> | Date: <u>5-3-06</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: Plot ID: <u>AR 603A4551</u> | |

VEGETATION

| Plant Community Covertype: <u>PSS/PP01</u> Height Tree Canopy: <u>40-50 ft</u> Percent Cover Tree Canopy: <u>100%</u> | Height Shrub Layer: <u>10 ft</u> Percent Cover Shrub Layer: <u>15%</u> | <u>Herb</u> <u>100%</u> | | | |
|---|---|----------------------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Clubmoss Shining</u> | <u>H</u> | <u>FACW</u> | 9. | | |
| 2. <u>Sphagnum moss sp.</u> | <u>H</u> | <u>OBL</u> | 10. | | |
| 3. <u>Picea Red Spruce</u> | <u>T</u> | <u>FACU</u> | 11. | | |
| 4. <u>Grey Birch</u> | <u>T</u> | <u>FAC</u> | 12. | | |
| 5. <u>Nannyberry</u> | <u>S</u> | <u>FAC</u> | 13. | | |
| 6. <u>Speckled Alder</u> | <u>T</u> | <u>OPL</u> | 14. | | |
| 7. <u>Tamarac</u> | <u>T</u> | <u>FACW</u> | 15. | | |
| 8. <u>Meadow Sweet</u> | <u>S</u> | <u>FAC</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|--|
| Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>2-4"</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u> | |
| Remarks: | |

ID: AR 603A 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. |
| 0-4 | A | 10YR 2/1 | — | — | Heavy Deat Silt Loam |
| 4-6 6" | 2 | 10YR 2/1 | | | Refusal - Bedrock |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 | | | | | | |
| Hydric Soils Present? | Yes No | | | | | | |
| | | | | (Circle) | | | |
| | | | | Is this Sample Station Point Within a Wetland? | | (Yes) No | |
| Remarks | | | | | | | |
| <p>photo A => N at SSI and SS2</p> | | | | | | | |

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

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>KH, JV</u> | Date: <u>5-3-06</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: <u>upland</u> Transect ID: Plot ID: <u>AR 603A SS2</u> |

VEGETATION

| Plant Community Covertypes: <u>mowed grass land</u> Height Tree Canopy: <input checked="" type="checkbox"/> <u>Herb 100%</u> Percent Cover Tree Canopy: <input checked="" type="checkbox"/> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Height Shrub Layer: <input checked="" type="checkbox"/> Percent Cover Shrub Layer: <input checked="" type="checkbox"/> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Reed Canary Grass</u> | <u>H</u> | <u>FACW</u> | 9. | | |
| 2. <u>Great Burdock</u> | <u>H</u> | <u>UPL</u> | 10. | | |
| 3. <u>Strawberry</u> | <u>H</u> | <u>UPL</u> | 11. | | |
| 4. <u>Dandelion</u> | <u>H</u> | <u>UPL</u> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</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 | 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.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | Remarks: |

ID: NR 603A 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. |
| 0-12 12 | A | 10YR 4/2 | — | — | Clay Loam Refusal |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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) | |
| Wetlands Hydrology Present? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> (Circle) | |
| Hydric Soils 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"/> (Circle) |
| Remarks Photo 1 => N at SS1 and SS2 | | | |

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

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon wind power LLC</i> Investigator: <i>KH, JV</i> | Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>VT</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: <i>wetland</i> Transect ID: Plot ID: <i>AR 603B-551</i> | |

VEGETATION

| Plant Community Covertypes: <i>PSS/PFO1</i> | Height Tree Canopy: <i>3c</i> | Height Shrub Layer: <i>15</i> | Percent Cover Tree Canopy: <i>40</i> | Percent Cover Shrub Layer: <i>60</i> | Herb: <i>100%</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>Red Maple</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Wormy Berry</i> | <i>S</i> | <i>FAC/FAC</i> | 11. | | |
| 4. <i>Sphagnum</i> | <i>H</i> | <i>OBL</i> | 12. | | |
| 5. <i>Red Top Grass</i> | <i>H</i> | <i>FACW</i> | 13. | | |
| 6. <i>Speckled Alder</i> | <i>S</i> | <i>LPL</i> | 14. | | |
| 7. <i>Tamarac</i> | <i>T</i> | <i>FACW</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>85%</i> | | | | | |
| Remarks: <i>old line from 11/05 recollected - near boundary taken</i> <i>- disturbed area from logging</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 | 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.): <i>1-2 in</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

ID: AA603B-351

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 | O | | | | Peat / organic material |
| 5-6 | A | 10YR-2/1 | | | 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: - Disturbed area from logging - Refusal of Aizer at 6 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: picture # 2 looks N at SS1 #150 | | | | |

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

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|--------------------------------------|--------------------------|---------------------------|-------------------------------------|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind LLC</i> Investigator: <i>JRH, JV</i> | Date: <i>5/3/06</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%; 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 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> </table> | <input checked="" 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 checked="" 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 | | | | | | |
| Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AH603B-SS2</i> | | | | | | | |

VEGETATION

| Plant Community Covertype: Forest <i>Deciduous/Conifer mix</i> Height Tree Canopy: <i>40-50</i> Height Shrub Layer: <i>20</i> Percent Cover Tree Canopy: <i>30-40%</i> Percent Cover Shrub Layer: <i>25%</i> Herbs <i>90%</i> | | | | | |
|--|----------|--------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red Maple</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Balsam Fir</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Gray Birch</i> | <i>T</i> | <i>FAC</i> | 11. | | |
| 4. <i>Balsam Fir</i> | <i>S</i> | <i>FAC</i> | 12. | | |
| 5. <i>Nanny Berry</i> | <i>S</i> | <i>FAC</i> | 13. | | |
| 6. <i>Balsam Fir</i> | <i>H</i> | <i>FAC</i> | 14. | | |
| 7. <i>Blackberry</i> | <i>H</i> | <i>UPL</i> | 15. | | |
| 8. <i>Low Bush Blueberry</i> | <i>H</i> | <i>FACU-</i> | 16. | | |
| Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>73%</i> | | | | | |
| Remarks: <i>Area disturbed from logging</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 | 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) |
| Field Observations: Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>5</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: <i>Recent rain / present rain - false positive for hydro possible</i> | |

ID: AA 603B-552

SOILS

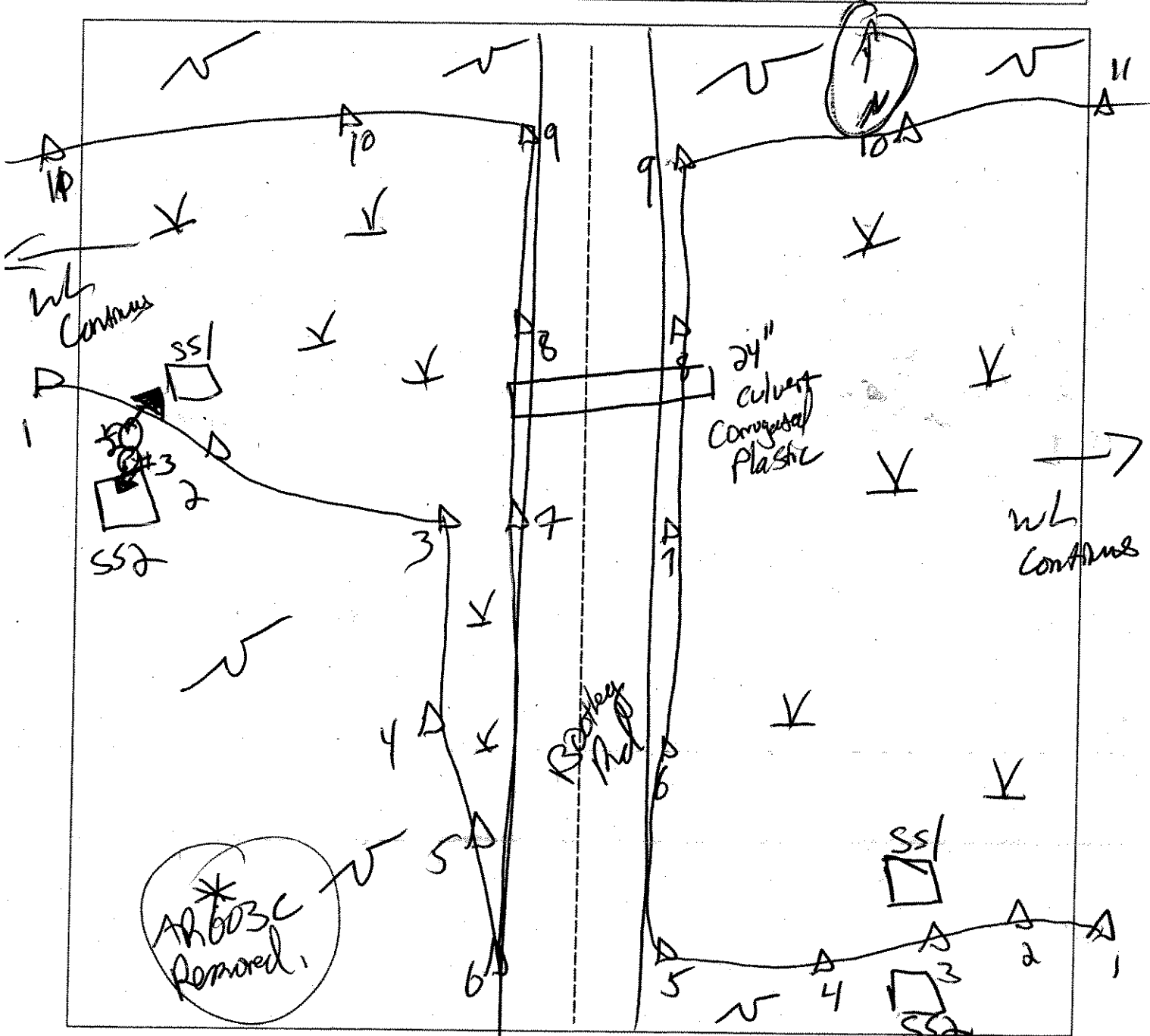
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|---|--|-------------------------------------|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped.Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/ Size/Contrast | Texture, Concretions, Structure, etc. |
| 0-2 | O/A | 10YR-2/1 | | | Sandy loam |
| 2-4 | A | 2.5Y-6/2 | | | 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 of Arger at 4 inches | | | | | |

WETLAND DETERMINATION

| | | | |
|--|--------------------------------------|-------------------------------------|---|
| Hydrophytic Vegetation Present? | Yes | No <input checked="" type="radio"/> | (Circle) |
| Wetlands Hydrology Present? | Yes <input checked="" type="radio"/> | No <input 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: picture #3 looks like 552 | | | |

SKETCH FORM

| | | |
|---|----------------------------|-------|
| Wetland ID/Route #: <u>AR603B/A</u> | Date: <u>5/3/06</u> | Time: |
| Initials of Delineators: <u>KAH, JV</u> | Location: <u>Bowley Rd</u> | |
| Roll #: <u>11A</u> | Frames: <u>1+2+3</u> | |



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

122-A-003 S.A

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

| | |
|--|--|
| Project Site: MARIE RIVER | Date: 5/3/06 |
| Applicant/Owner: MARDIERUEG LLC | County: Clinton |
| Investigator: RAT, DO | 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 |
| | Community ID: WETLAND Transect ID: FR604A Plot ID: SS1 |

VEGETATION

Plant Community Covertype: **DEM W/ FRN, E PSS** #BFB-1006
 Height Tree Canopy: _____ Height Shrub Layer: **15'**
 Percent Cover Tree Canopy: **0** Percent Cover Shrub Layer: **20%**

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Sedge A | H | - | 9. J. EFFUSUS | H | FACW+ |
| 2. Sedge B | H | - | 10. MEADOW Sweet | S | FACW+ |
| 3. Sphagnum Moss | H | OBL* | 11. | | |
| 4. Tussock Sedge | H | OBL | 12. | | |
| 5. Gray Birch | S | FAC | 13. | | |
| 6. Red Maple | S S | FAC | 14. | | |
| 7. Steeple Bush | S | FACW | 15. | | |
| 8. Spotted Alder | S | FACW+ | 16. | | |

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

Remarks:

* Not listed; presumed OBL.

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 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 type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): 12+ inches 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. |
| 0-4 | O | 10yr 3/4 | — | — | organics |
| 4-14 | A | 10yr 6/2 | — | — | sandy 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 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 @ 14" | | | | | |

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: <i>AR604 Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>RSD DO</i> | Date: <i>5-3-06</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>Npland</i> Transect ID: <i>AR604A - 5</i> Plot ID: <i>552</i> |

VEGETATION

| Plant Community Covertype: | | Height Tree Canopy: | | Height Shrub Layer: | |
|---|---------|----------------------------|-------------------------|---------------------|-----------|
| Percent Cover Tree Canopy: | | Percent Cover Shrub Layer: | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Grey Birch | T/S | FAC | 9. Low Bush Blue Berry | S | FACU- |
| 2. Red Maple | T/S | FAC | 10. Moss | H | - |
| 3. T. Aspen (Quake) | T/S | FACU | 11. Lichens | # | - |
| 4. Rainbow Fir | T/S | FAC | 12. Club Moss | H | - |
| 5. Service Berry | S | FAC | 13. Tree like Club Moss | H | FACU |
| 6. Sheep Lark | S | FAC | 14. | | |
| 7. Bracken Fern | H | FACU | 15. | | |
| 8 Wintergreen | H | FACU | 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 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 checked="" 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>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>NA</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. |
| 0-3 | A ₁ 10 yr 2/1 | Sandy loam | | | (Circled) |
| 3-6 | A ₂ 10 yr 6/2 | Loamy sand | | | |
| 6-16 | B ₁ 10 yr 5/6 | Silty clay loam | 50/50 | | |
| | B ₂ 10 yr 6/3 | Loamy sand | | | |
| 16-18 | B ₃ 7.5 yr 4/4 | 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: | | | | | |

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) |
| Remarks | | | |

1 22-84088A
 . ANA-ROW

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: MARBLE RIVER, LLC Investigator: RJD DO | Date: 5-3-06 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: Wetland Transect ID: AR604B Plot ID: SS1 |

VEGETATION

Plant Community Covertype: **PBS/PEM**
 Height Tree Canopy: **0** Height Shrub Layer: **15-25 Ft**
 Percent Cover Tree Canopy: **0** Percent Cover Shrub Layer: **80%** Herb: **100%**

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red Maple | S | FAC | 9. | | |
| 2. Grey Birch | S | FAC | 10. | | |
| 3. Tamarac | S | FACW | 11. | | |
| 4. Meadow Sweet | S | FACW+ | 12. | | |
| 5. Reed Canary Grass | H | FACW | 13. | | |
| 6. Club Moss | H | | 14. | | |
| 7. Sphagnum Moss | H | OBL* | 15. | | |
| 8. Speckled Alder | S | FACW+ | 16. | | |

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

Remarks:
 * Sphagnum not listed, presumed OBL

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 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 type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <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) |
| Field Observations: 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): 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. |
|-------------------|---------|---------------------------------|----------------------------------|-------------------------------------|--|
| 0-8 | O | 10YR 3/4 | | | organic silty clay |
| 8-12 | A | 10YR 2/1 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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:

Thick PEAT layer up to 12" over rock. Hard to get soil.

- Reason of Area at 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? (Yes) No |

Remarks

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

Project Site: **MARBLE RIVER**
Applicant/Owner: **MARBLE RIVER, LLC**
Investigator: **RD, DO**

Date: **5/3/06**
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: **UPCAN**
Transect ID: **AR604D**
Plot ID: **55-2**

VEGETATION

Plant Community Covertype: **Upland Forest (Decid Conifer mix)**
Height Tree Canopy: **50-60'** Height Shrub Layer: **25'**
Percent Cover Tree Canopy: **75%** Percent Cover Shrub Layer: **60%**

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|------------|-------------|------------------------------|----------|-------------|
| 1. GRAY BIRCH | T/S | FAC | 9. SHARP LAUREL | S | FAC |
| 2. RED MAPLE | T/S | FAC | 10. TREE-LIKE Clethra | H | FACU |
| 3. B. FIR | T/S | FAC | 11. | | |
| 4. T. ASPEN | T | FACU | 12. | | |
| 5. S. REDWOOD | S | FAC | 13. | | |
| 6. BRAKER FERN | H | FACU | 14. | | |
| 7. WINTER GREEN | H | FACU | 15. | | |
| 8. CLUB MOSS | H | - | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **50%**

Remarks:

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.): **N/A**
Depth to Free Standing Water in Pit (in.): **N/A**
Depth to Saturated Soil (in.): **N/A**

Remarks:

SOILS

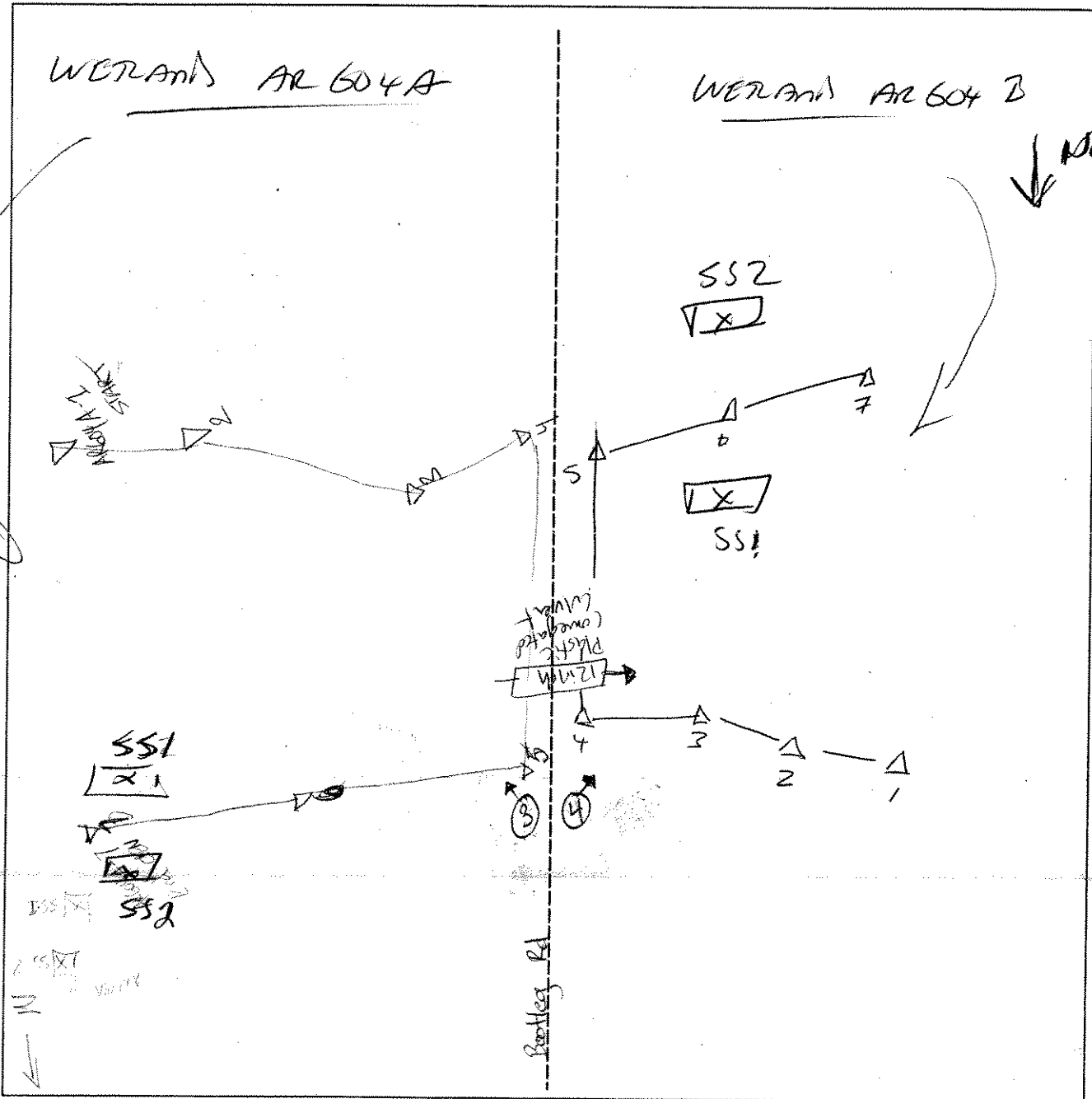
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|--|----------------|--|----------------------------------|-------------------------------------|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/ Size/Contrast | Texture, Concretions, Structure, etc. |
| 0-4 | A/G | 7.5 yr 3/3 | | | Organics |
| 4-12 | A | 10 yr 6/2 | 10 yr 4/1 | Common fine distinct | sandy loam |
| 12-16 | B ₁ | 10 yr 3/3 | | | silt loam |
| 16-18 | B ₂ | 10 yr 4/6 | | | silty 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 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 | Is this Sample Station Point Within a Wetland? Yes No |
| Remarks: | | | |

SKETCH FORM

| | | |
|---|--|--|
| Wetland ID/Route #: <u>Rootley Rd.</u> | Date: <u>5-3-6</u> | Time: <u>1130</u> |
| Initials of Delineators: <u>RSD, DO</u> | Location: <u>Marble River</u> <u>Clinton County, NY</u> | |
| Roll #: _____ | Frames: <u>3: facing Southeast</u> <u>at ARG04A</u> | <u>4: facing Southwest</u> <u>at ARG04B</u> |



| 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>Muske River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i> | Date: <i>5/3/06</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>wetland</i> Transect ID: Plot ID: <i>AMB05A-ss1</i> <i>6 5B</i> |

VEGETATION

| Plant Community Covertypes: <i>PSS / PFD 4</i> | | | | | |
|---|----------|---------------------------------------|------------------------|----------------|-----------|
| Height Tree Canopy: <i>20</i> | | Height Shrub Layer: <i>15 ft</i> | | | |
| Percent Cover Tree Canopy: <i>10%</i> | | Percent Cover Shrub Layer: <i>60%</i> | | <i>Herb 20</i> | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Balsam Fir</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Red Spruce</i> | <i>T</i> | <i>FACU</i> | 10. | | |
| 3. <i>Gray Birch</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Star Magnolia</i> | <i>S</i> | <i>FAC</i> | 12. | | |
| 5. <i>Shag Laurel</i> | <i>H</i> | <i>FAC</i> | 13. | | |
| 6. <i>Grass sp</i> | <i>A</i> | <i>—</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 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 checked="" 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.): <i>3-4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

ID:

AR 625A-SS1

SOILS

Map Unit Name
(Series and Phase):

Drainage Class: 60SB

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 | O/A | 10YR-2/1 | | | Organic Matter |
| 5-12 | A ₁ | 2.5Y-6/2 | | | 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 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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks:

Grey color soil beneath the O/A layers

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

(Circle)

(Circle)

Is this Sample Station Point Within a Wetland? Yes No

Remarks

photo # 6 - south @ SS1

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

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind LLC</u> Investigator: <u>KH, JV</u> | Date: <u>5/3/86</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: <u>upland</u> Transect ID: Plot ID: <u>AR 605A-552</u> <u>WDSB</u> |

VEGETATION

| Plant Community Covertypes: <u>Deciduous/Conifer mix</u> | | | | | |
|---|----------|---------------------------------------|------------------------|-------------------|-----------|
| Height Tree Canopy: <u>50%</u> | | Height Shrub Layer: <u>10%</u> | | | |
| Percent Cover Tree Canopy: <u>50%</u> | | Percent Cover Shrub Layer: <u>10%</u> | | 10% <u>30%</u> | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Big Tooth Aspen</u> | <u>T</u> | <u>FACU</u> | 9. | | |
| 2. <u>Red Spruce</u> | <u>T</u> | <u>FACU</u> | 10. | | |
| 3. <u>Mountain Berry</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Blackberry</u> | <u>H</u> | <u>FACU</u> | 12. | | |
| 5. <u>Sleep Laurel</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Low Bush Strawberry</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</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 | 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) |
| Field Observations: Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u> | Remarks: <u>recent rainfall saturated soil</u> |

ID: AR605A-SS2

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: 605B
 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. |
|----------------|---------|------------------------------|-------------------------------|----------------------------------|---------------------------------------|
| 0-10 | A | 7.5YR-4/6 | | | Sandy loam |
| 10-12 | E | 2.5Y-6/2 | | | 3mm |
| | | | | | |
| | | | | | |
| | | | | | |

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

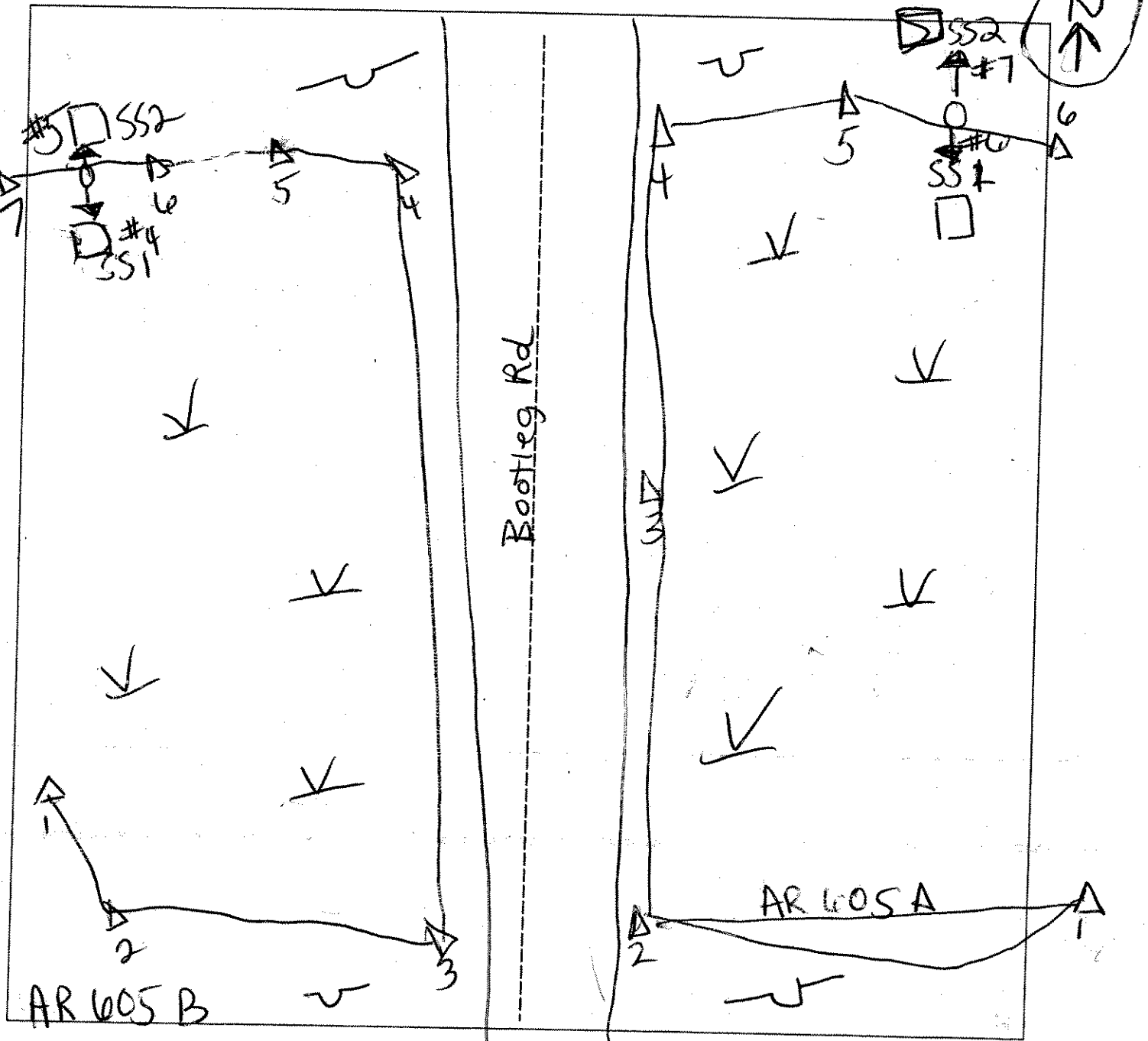
WETLAND DETERMINATION

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 (Circle)

Remarks: picture # 7 looks N at SS2

SKETCH FORM

| | | | |
|--------------------------------|--------------------|----------------------|-------|
| Wetland ID/Route #: AR 605 A/B | | Date: 5/3/06 | Time: |
| Initials of Delineators: KH JV | | Location: Bootleg Rd | |
| Roll #: RH | Frames: 4, 5, 6, 7 | | |



Legend

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

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

AR605A extension

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/9/07 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: AR608A SSI Transect ID: AR607A Plot: AD/PS AR605A | |

VEGETATION

Plant Community Classification: Red maple marsh / PSS
 Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Abies balsamea</i> | T | FAC | 9. | | |
| 2. <i>Betula papyrifera</i> | S | FAC | 10. | | |
| 3. <i>Viburnum lentago</i> | S | FAC | 11. | | |
| 4. <i>Carex sp.</i> | H | | 12. | | |
| 5. <i>Sphagnum moss 20%</i> | H | OBL | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks: *Abies balsamea* < 5%.
 cannot I.D. due to season

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 in Spots <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 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.): < 1" in spots Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 1" | |
| Remarks: | |

Date: 10 May 07
 Community ID: Wetland 33
 Plot ID: AR600A
 AR601A
 AR602A

SOILS

Map Unit Name (Series and Phase):
 Taxonomy (SubGroup):
 Drainage Class: AR602A
 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 | | | |
| 1-3 | A ₁ | 10YR 2/1 | | | silt loam |
| 3-5 | A ₂ | 10YR 5/2 | | | sandy loam |
| 5-12 | B | 10YR 5/2 | 10YR 5/8 | prom., common, md | sandy 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: organic streaking in C, saturation @ 1", water in pit @ 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: Photo 3 = SW DECW
 Photo 4 = NE
 Area has been logged

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JN AP</i> | Date: <i>5/10/07</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>L1PL</i> Transect ID: Plot ID: <i>AR 602A S52</i> |

VEGETATION

| Plant Community Classification: <i>early successional</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>White Birch</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Acer rubrum</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Viburnum lentago</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Galium angustifolium</i> | <i>S</i> | <i>FACU</i> | 12. | | |
| 5. <i>Opalthread</i> | <i>H</i> | <i>FACU</i> | 13. | | |
| 6. <i>Bracken fern</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. <i>low bush blueberry</i> | <i>H</i> | <i>FACU</i> | 15. | | |
| 8 | | | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 10 May 07
 Community ID: Upland SS2
 Plot ID: AR608 A
 AR607 A
 AR607 A

SOILS

Map Unit Name (Series and Phase):
 Taxonomy (SubGroup):
 Drainage Class: AR607 A
 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 | 5YR 2.5/2 | | | |
| 1-12 | A | 10YR 2/1 | | | silt loam |
| 12-14 | B | 10YR 5/3 | | | 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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: A horizon very organic

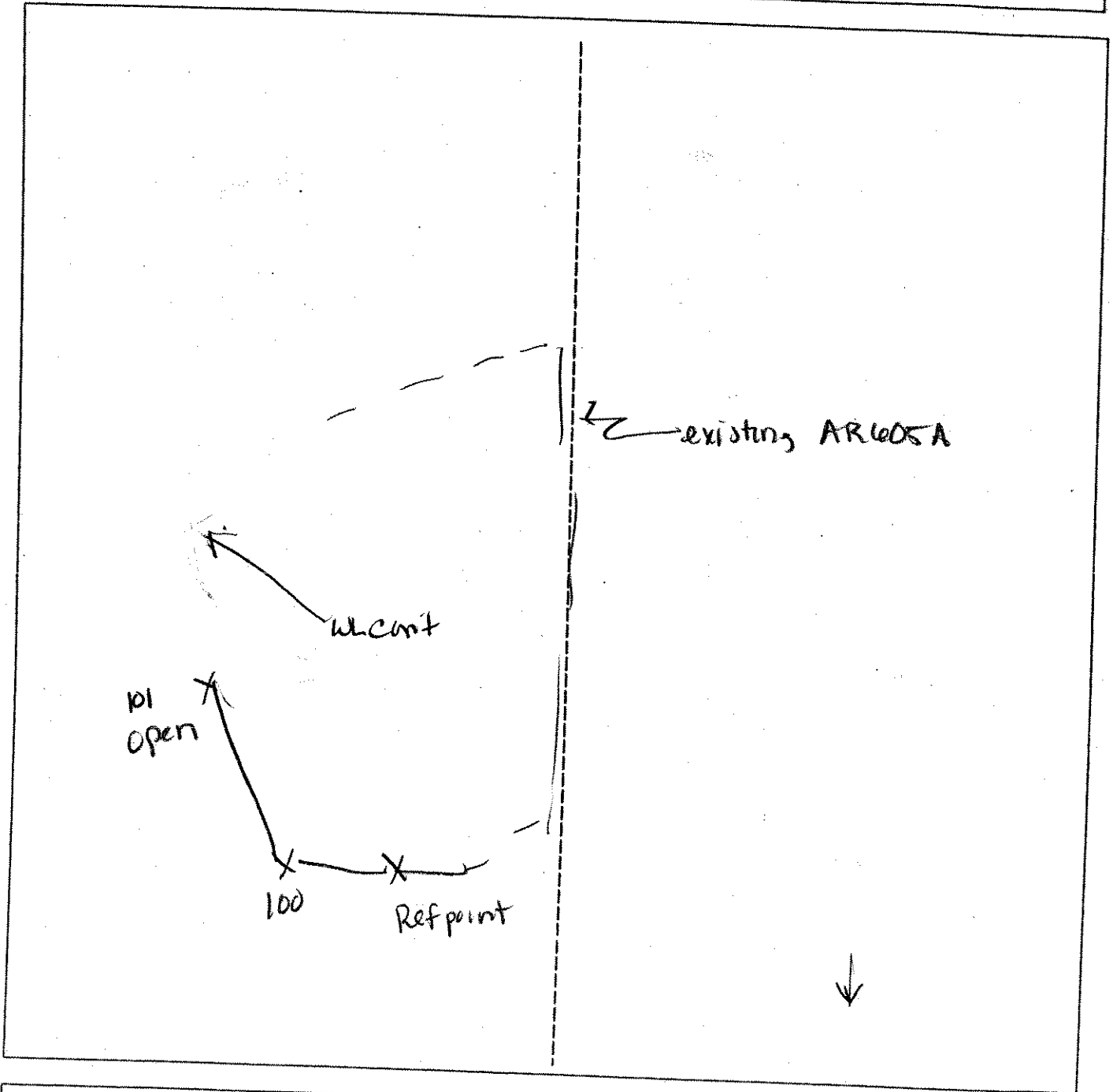
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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

SKETCH FORM

| | | |
|---------------------------------------|---------------------------------------|-------|
| Wetland ID/Route #: ARL05A EXT | Date: 5/10/07 | Time: |
| Initials of Delineators: JV AP | Location: IC/AR along log road | |
| Roll #: | Frames: | |



Legend

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

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

| | |
|--|--|
| Project Site: ██████████ <u>Marble Rnc LLC</u> | Date: <u>5-03-06</u> |
| Applicant/Owner: ██████████ <u>Marble River, LLC</u> | County: St. Lawrence <u>Clinton</u> |
| Investigator: <u>RJD DO</u> | State: <u>NY</u> |
| Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> | Community ID: <u>Wetland</u> Transect ID: <u>AR606A</u> Plot ID: <u>SS 1</u> |
| 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 PFO Deciduous Conifer Mix

| Plant Community Classification: | | | | | |
|--|------------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>45%</u> Herb: <u>90%</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>Balsm Fir</u> | <u>T/S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Grey Birch</u> | <u>T/S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Nonoberg</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Sphagnum Moss</u> | <u>H</u> | <u>OBL*</u> | 13. | | |
| 6. <u>Sheep Laurel</u> | <u>S</u> | <u>FAC</u> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks:

*Sphagnum not listed; presumed OBL

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 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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): <u>6 inches in Places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | Remarks: |

Date: 5-03-6
 Community ID: AR606A
 Plot ID: 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 | O | 10 yr 4/4 | — | — | organics |
| 4-8 | A | 10 yr 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 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 @ 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: 1 <u>S Marble River</u> Applicant/Owner: <u>N. J. ... by MARBIE RIVER, LLC</u> Investigator: <u>RJD DO</u> | Date: <u>5-03-06</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: <u>ARGOG A</u> Plot ID: <u>SS 2</u> |

VEGETATION Upland Forest Deciduous Coniferous Mix

| Plant Community Classification: _____ | | | | | |
|---|---------|---|------------------------|---------|-----------|
| Percent Canopy Cover: | | Tree: <u>75%</u> Shrub: <u>30%</u> Herb: <u>60%</u> Vine: <u>0%</u> | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Tootted Aspen | T | FACU- | | | 9. |
| 2. Balsm Fir | T/S | FAC | | | 10. |
| 3. Grey Birch | T/S | FAC | | | 11. |
| 4. Red Maple | T | FAC | | | 12. |
| 5. White Birch | S | FAC | | | 13. |
| 6. Winter green | H | FACU | | | 14. |
| 7. Bracken Fir | H | FACU | | | 15. |
| 8. Club Moss | H | FACU | | | 16. |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</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 | 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.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u> | |
| Remarks: | |

Date: 5/3/06
 Community ID: ARG06A SS2
 Plot ID: 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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-2 | A | 10yr 3/2 | — | — | Silt loam w/ organics |
| 2-12 | B | 10yr 5/4 | — | — | 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 @ 12"

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 COE Wetlands Delineation Manual)

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>MARBLE RIVER, LLC</i> Investigator: <i>RSD DO</i> | Date: <i>5-3-06</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 border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input 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 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 type="radio"/> No | | | | | | |
| <input type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Community ID: <i>PSS / PEM</i> Transect ID: <i>AR606 B</i> Plot ID: <i>SS 1</i> | | | | | | | |

VEGETATION

PSS / PEM - (SHALLOW SPHAGNUM)

| Plant Community Covertype: Height Tree Canopy: Percent Cover Tree Canopy: | <i>Ø</i> | Height Shrub Layer: <i>10'</i> Percent Cover Shrub Layer: <i>50%</i> | Herbaceous: <i>100%</i> | | |
|---|----------|---|-------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Grey Birch</i> | <i>S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Spaced Alder</i> | <i>S</i> | <i>FACW+</i> | 10. | | |
| 3. <i>NANA BERRY</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Sphagnum moss</i> | <i>H</i> | <i>OBL*</i> | 12. | | |
| 5. <i>Canada Rush</i> | <i>H</i> | <i>OBL</i> | 13. | | |
| 6. <i>Club Moss</i> | <i>H</i> | <i>—</i> | 14. | | |
| 7. <i>Grass sp.</i> | <i>H</i> | <i>—</i> | 15. | | |
| 8. | | | 16. | | |

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

Remarks:

** Not listed; presumed OBL*

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 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 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.): <i>6 inches in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

ID: AR606 B - 551
 WCRAN

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 | O | 7.5 yr 4/4 | — | — | organics |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 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 @ 10 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? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks | | | |

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

| | | | | | | | |
|--|---|-----|----|-----|----|-----|----|
| Project Site: <i>MADIE RIVER</i> | Date: <i>5-3-06</i> | | | | | | |
| Applicant/Owner: <i>MADIE RIVER, LLC</i> | County: <i>Clinton</i> | | | | | | |
| Investigator: <i>TED DO</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 border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table> | Yes | No | Yes | No | Yes | No |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| | Community ID: <i>upland Forest deciduous</i> Transect ID: <i>AR606B</i> Plot ID: <i>SS2</i> | | | | | | |

VEGETATION *UPLAND FOREST (Deciduous)*

| Plant Community Covertypes: | Height Tree Canopy: <i>40-50</i> | Height Shrub Layer: <i>20'</i> | <i>HERB. 75%</i> | | |
|---|---------------------------------------|--------------------------------|------------------------|---------|-----------|
| Percent Cover Tree Canopy: <i>65%</i> | Percent Cover Shrub Layer: <i>45%</i> | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Red Maple | T/S | FAC | 9. | | |
| 2. Grey Birch | T/S | FAC | 10. | | |
| 3. Toothed Aspen | T | FACU- | 11. | | |
| 4. Sheep Laurel | S | FAC | 12. | | |
| 5. Balsam Fir | S | FAC | 13. | | |
| 6. Wintergreen | H | FACU | 14. | | |
| 7. Club Moss | H | — | 15. | | |
| 8. Bracken Fern | H | FACU | 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 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>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>NA</i> | |
| Remarks: | |

ID: AR606B-SS2
 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. |
|--|----------------|------------------------------|-------------------------------|----------------------------------|---------------------------------------|
| 0-2 | A ₁ | 10yr 2/1 | - | - | Silt loam w/ organics |
| 2-8 | A ₂ | 10yr 6/2 | - | - | sandy loam |
| 8-16 | B | 5yr 4/6 | - | - | 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:

refused @ 16"

WETLAND DETERMINATION

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

Remarks

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

| | |
|---|---|
| Project Site: xxxx MARBLE RIVER | Date: 5/3/06 |
| Applicant/Owner: MARBLERIA, LLC | County: Clinton |
| Investigator: TSTA, DU | State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No | Community ID: WETLAND Transect ID: AR2606TS Plot ID: SS-3 |
| 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 / PEN 80%

Plant Community Classification: _____

Percent Canopy Cover: Tree: 20% Shrub: 60% Herb: 80% Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. KALSOAM TR | T/S | FAC | 9. | | |
| 2. Gray Birch | S | FAC | 10. | | |
| 3. DOGWOOD | S | | 11. | | |
| 4. C.B. BLUEBERRY | S | FACU- | 12. | | |
| 5. S. LAUREL | S | FAC | 13. | | |
| 6. SPHAL. MUSH | H | OBL | 14. | | |
| 7. NANA BERRY | S | FAC | 15. | | |
| 8 | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks:
 X Assume OBL

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 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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0 | |
| Remarks: | |

Date: 5/3/06
 Community ID: WOTRAN
 Plot ID: AR606B-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-6" | A | 10YR2/1 | | | Silt loam w/organics |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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:
 Repair of Area as 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

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

| | |
|--|--|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RSD DO</u> | Date: <u>5-03-06</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: <u>UPLAND</u> Transect ID: <u>AR60GB</u> Plot ID: <u>554</u> |

VEGETATION

| Plant Community Covertypes: <u>UPLAND FOREST (Decid + Conifer mix) - logged</u> Height Tree Canopy: <u>40'</u> Height Shrub Layer: <u>20'</u> Percent Cover Tree Canopy: <u>50%</u> Percent Cover Shrub Layer: <u>30%</u> <u>Herb: 75%</u> | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Balsam Fir | T/S | FAC | 9. | | |
| 2. Red Maple | T/S | FAC | 10. | | |
| 3. Grey Birch | T/S | FAC | 11. | | |
| 4. NANA BERRY | S | FAC | 12. | | |
| 5. Sheep Loral | S | FAC | 13. | | |
| 6. Club Moss | H | — | 14. | | |
| 7. Bracken Fern | H | FACU | 15. | | |
| 8. Wintergreen | H | FACU | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>70%</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 | 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.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u> | |
| Remarks: | |

upland
ID: AR606B 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. |
| 0-2 | A | 10YR 2/1 | — | — | Silt loam w/ organic |
| 2-12 | B | 7.5Y 4/6 | — | — | clay loam w/ gravel |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 Auger @ 12 inches | | | | | |

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 | | | | |

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

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RSD DO</u> | Date: <u>5-03-06</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: <u>Wetland</u> Transect ID: <u>AR606C</u> Plot ID: <u>SS1</u> |

VEGETATION

| Plant Community Covertypes: <u>PSS / PEM</u> Height Tree Canopy: <u>0</u> Percent Cover Tree Canopy: <u>0</u> | | | | | | Height Shrub Layer: <u>15 ft.</u> Percent Cover Shrub Layer: <u>75 %</u> Herbaceous: <u>80%</u> | | | | | |
|---|---------|-----------|------------------------|---------|-----------|--|--|--|--|--|--|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator | | | | | | |
| 1. Grey Birch | S | FAC | 9. Club Moss | H | - | | | | | | |
| 2. Speckled Alder | S | FACW+ | 10. Carex - sp. | H | - | | | | | | |
| 3. Balsm Fir | S | FAC | 11. <u>NANA TERRIT</u> | S | FAC | | | | | | |
| 4. Red Maple | S | FAC | 12. | | | | | | | | |
| 5. Sheep Laurel | S | FAC | 13. | | | | | | | | |
| 6. Tamarack | S | FACW | 14. | | | | | | | | |
| 7. Meadow Sweet | S | FACW+ | 15. | | | | | | | | |
| 8 Sphaagnum Moss | H | - | 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 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 | Wetland Hydrology Indicators: Primary Indicators: <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 type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water (in.): <u>10 inches in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

WETLAND

ID: AR606C
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. |
| 0-4 | O | 7.5 yr 3/4 | — | — | organic |
| 4-10 | A | 10 yr 5/2 | — | — | 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: Refusal of Auger @ 10 inches

WETLAND DETERMINATION

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

Remarks

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

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|--------------------------------------|--------------------------|--------------------------------------|--------------------------|
| Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>BA, DO</u> | Date: <u>5/3/06</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.) | <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 checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table> | <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 |
| <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: <u>UPLAND</u> Transect ID: <u>AL606C</u> Plot ID: <u>552</u> | | | | | | | |

VEGETATION UPLAND Forested Conifer/Decid. mix

| | | |
|----------------------------|---|--|
| Plant Community Covertype: | <u>UPLAND Forested Conifer/Decid. mix</u> | |
| Height Tree Canopy: | <u>40-50'</u> | Height Shrub Layer: <u>up to 15'</u> Herbs: <u>55%</u> |
| Percent Cover Tree Canopy: | <u>70%</u> | Percent Cover Shrub Layer: <u>40%</u> |

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Toothed Aspen | T | FACU- | 9. White-pine | H | FACU |
| 2. Balsam Fir | T/S/H | FAC | 10. Club Moss | H | — |
| 3. Grey Birch | T/S | FAC | 11. Moss Sp. | H | — |
| 4. Red Maple | S | FAC | 12. | | |
| 5. Service Berry | S | FAC | 13. | | |
| 6. Low Bush Blue Berry | S | FACU- | 14. | | |
| 7. Sheep Laurel | S | FAC | 15. | | |
| 8. Bracken Fern | H | FACU | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 45%

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 | 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 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>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u> | |
| Remarks: | |

ID: ARG06C-552
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. |
|---|----------------|---------------------------------|----------------------------------|-------------------------------------|--|
| 0-2 | A ₁ | 10yr 2/1 | — | — | Silt Loam w/ clay |
| 2-8 | A ₂ | 10yr 6/2 | — | — | Sandy Loam |
| 8-10 | B | 7.5 yr 4/6 | — | — | 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: * Repeal of Auger AT 10"

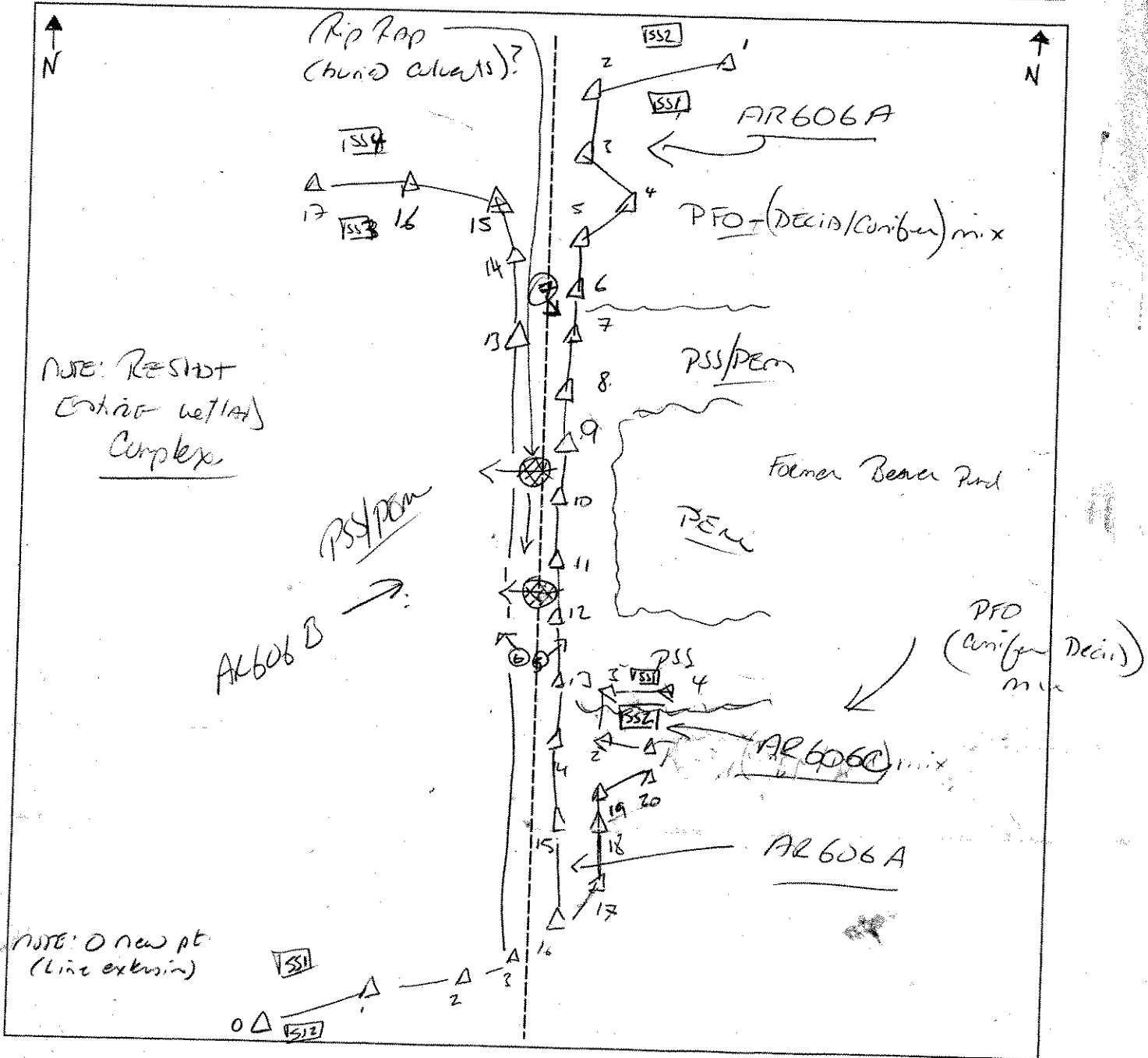
WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|-------------|---|
| 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) |

Remarks

SKETCH FORM

| | | | |
|--|--|-------------------------------|-------------------|
| Wetland ID/Route #: <u>Bostony RD</u> | | Date: <u>5/3/02</u> | Time: <u>1700</u> |
| Initials of Delineators: <u>RSD DO</u> | | Location: <u>AR606 A/B/C</u> | |
| Roll #: | Frames: <u>photo 5 → NE of AR606A</u> <u>photo 6 → NW of AR606B</u> | <u>photo 7 → SE of AR606A</u> | |



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

1700 - spise w kucie talca

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

| | |
|---|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u> | Date: <u>5-3-06</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 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: <u>wetland</u> Transect ID: Plot ID: <u>AR 607A SSI</u> |

VEGETATION

| Plant Community Classification: <u>PSS / PFO4</u> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>85%</u> Herb: <u>70%</u> Vine: <u>-</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Balsam Fir</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Gray Birch</u> | <u>S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Speckled Alder</u> | <u>S</u> | <u>FACW+</u> | 11. | | |
| 4. <u>Alder Rubrum</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>Nanny Berry</u> | <u>S</u> | <u>FAC</u> | 13. | | |
| 6. <u>Schagmum</u> | <u>H</u> | <u>OBL*</u> | 14. | | |
| 7. <u>Nanny Berry</u> | <u>H</u> | <u>FAC</u> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u> | | | | | |
| Remarks: <u>- Logged area, highly disturbed / transitional</u> | | | | | |
| <u>*NOT listed; Assume OBL</u> | | | | | |

HYDROLOGY

| | |
|---|--|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <u><input checked="" type="checkbox"/></u> Aerial Photographs ___ Other ___ No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <u><input checked="" type="checkbox"/></u> Inundated <u><input checked="" type="checkbox"/></u> 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>1</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

AR 607A - SS

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/A | 10YR-2/1 | | | organic, Mucky Peat |
| 1-6 | E | 10YR-5/2 | | | sand |
| 6-12 | E ₁ | 2.5Y-6/2 | 7.5YR-5/6 | Many/coarse/fine | clay sand |
| | | | | | |
| | | | | | |

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:

- Defusal Auger at 12 inches
 - Iron sticks on water

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

picture # 10 looks E at SS1

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

| | |
|--|---|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>JSW</i> | Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i> |
| Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" 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: <i>upland</i> Transect ID: Plot ID: <i>AR607A-SSA</i> |

VEGETATION

| Plant Community Classification: <i>Logged Forest - deciduous / Conifer mix</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>5</i> Herb: <i>70</i> Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Balsalm Fir</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Acas Rubrum</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Nanna Berry</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Bracken Fern</i> | <i>H</i> | <i>FACU</i> | 12. | | |
| 5. <i>Club Moss sp.</i> | <i>H</i> | <i>-</i> | 13. | | |
| 6. <i>Low Bush Sphery</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i> | | | | | |
| Remarks: <i>recently logged area</i> <i>highly disturbed transitional 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 | 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) |
| 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>0</i> | |
| Remarks: <i>relates rainfall saturated soil</i> | |

ID: AR 607A-882

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 | | | humic organic material |
| 1-6 | A | 7.5YR-4/4 | | | Sandy loam |
| 6-10 | E | 2.5Y-6/2 | | | 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: | | | | | |

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? | Yes <input checked="" type="radio"/> No |
| | | Is this an Isolated Wetland? | Yes <input type="radio"/> No |
| Remarks - pit #11 looks N E S S 2 | | | |

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

AR607A EXTENSION

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/9/07 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 checked="" 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 checked="" 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 checked="" type="radio"/> | | | | | | |
| Community ID: AR600A SSI Transect ID: AR607A Plot: 100/PSS AR605A | | | | | | | |

VEGETATION

Plant Community Classification: *Red maple mesic / PSS*

Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Betula papyrifera</i> | S | FAC | 10. | | |
| 3. <i>Viburnum lentago</i> | S | FAC | 11. | | |
| 4. <i>Carex sp</i> | H | | 12. | | |
| 5. <i>Sphagnum moss 25%</i> | F | OBL | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks: *Abies balsamea < 5%
cannot i.d. due to season*

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 in spots <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 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.): <i>< 1" in spots</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>1"</i> | |
| Remarks: | |

Date: 10 May 07
 Community ID: wetland 88
 Plot ID: AR1002A
 AR1007A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: **AR1007A**
 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 | | | |
| 1-3 | A ₁ | 10YR 2/1 | | | slit loam |
| 3-5 | A ₂ | 10YR 5/2 | | | sandy loam |
| 5-12 | B ₁ | 10YR 5/2 | 10YR 5/8 | prom., common, md | 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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: organic streaking in C, saturation @ 1", water in pit @ 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: Photo 3 = SW DEC 02
 Photo 4 = NE
 Area has been logged

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IN AP</i> | Date: <i>5/10/07</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>LPL</i> Transect ID: Plot ID: <i>AR 608A S52</i> |

AR 607A
AR 605A

VEGETATION

| Plant Community Classification: <i>early successional</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>White birch</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Acer rubrum</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Viburnum lentago</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Kalmia angustifolia</i> | <i>S</i> | <i>FACU</i> | 12. | | |
| 5. <i>Goldenrod</i> | <i>H</i> | <i>FACU-</i> | 13. | | |
| 6. <i>Blackberry</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. <i>Low bush blueberry</i> | <i>H</i> | <i>FACU-</i> | 15. | | |
| 8 | | | 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 10 May 07
 Community ID: Upland 882
 Plot ID: AR608 A
 AR607 A
 AR607 A

SOILS

Map Unit Name (Series and Phase): _____
 Taxonomy (SubGroup): _____
 Drainage Class: AR607 A
 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 | 5YR 2.5/2 | | | |
| 1-12 | A | 10YR 2/1 | | | silt loam |
| 12-14 | B | 10YR 5/3 | | | 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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: A horizon very organic

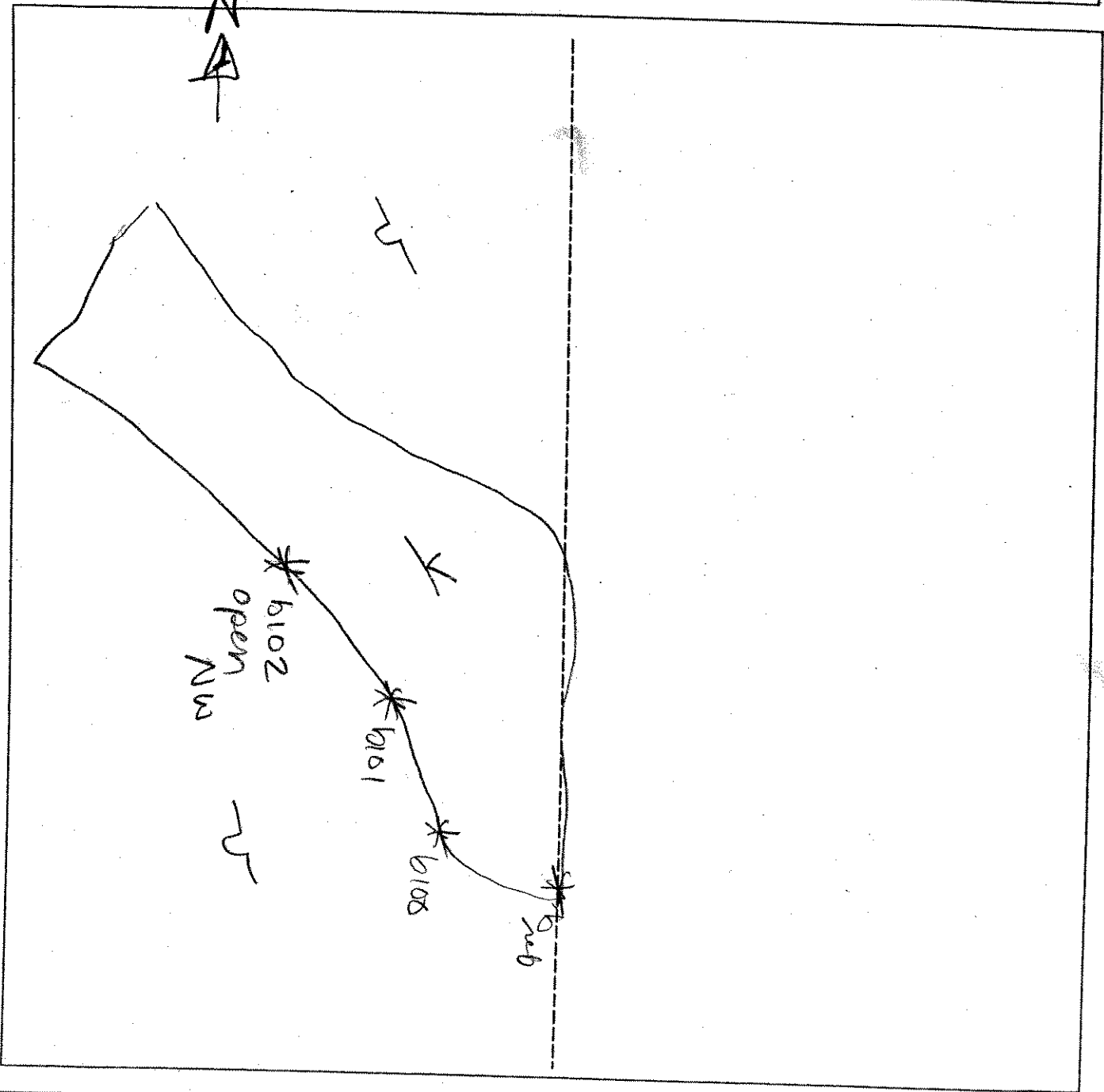
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation 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"/> |
| Wetlands Hydrology Present? | Yes <input checked="" type="radio"/> No <input type="radio"/> | |
| Hydric Soils Present? | Yes <input checked="" type="radio"/> No <input type="radio"/> | |

Remarks

SKETCH FORM

| | | | |
|--|-----------------------|------------------------------------|-------|
| Wetland ID/Route #: AR607 A EXT | | Date: 5/9/07 | Time: |
| Initials of Delineators: JV AP | | Location: IC along log road | |
| Roll #: | Frames: 3 = NW | | |



| 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>Mobile River</i> Applicant/Owner: <i>Horizon wood LLC</i> Investigator: <i>ISA, JV</i> | Date: <i>5/3/06</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 checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table> Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 6071B-SS1</i> | <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 |
| <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 | | | | | | |

VEGETATION

| Plant Community Classification: <i>PSS/PEM/PPC4</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>10%</i> Shrub: <i>50%</i> Herb: <i>90</i> Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Falsalm Fir</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Nanny Berry</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>Nanny Berry</i> | <i>H</i> | <i>FAC</i> | 11. | | |
| 4. <i>low Bush Blueberry</i> | <i>H</i> | <i>FACW-</i> | 12. | | |
| 5. <i>Club Moss</i> | <i>H</i> | <i>—</i> | 13. | | |
| 6. <i>Red Maple</i> | <i>S</i> | <i>FAC</i> | 14. | | |
| 7. <i>Red Maple</i> | <i>T</i> | <i>FAC</i> | 15. | | |
| 8. <i>Sphagnum</i> | <i>H</i> | <i>OBL*</i> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i> | | | | | |
| Remarks: <i>recently logged - soils disturbed</i> <i>- not many plants alive other than herb layer</i> <i>* Not listed; presume OBL</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 | 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.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: <i>picture # 8 looks N at SS1</i> | |

SOILS

AR607B-SS

| 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 | O/A | 10YR 2/1 | | | Mud-10cm |
| 5-6 | E | 2.5Y 5/2 | | | Sand layer |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input checked="" 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: - refusal of layer 6 inches - 2 chromas w/ no mottles, but there is sulfidic odor | | | | | |

WETLAND DETERMINATION

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

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

| | |
|--|--|
| Project Site: <i>Marble Haven</i> Applicant/Owner: <i>Horizon Wind LLC</i> Investigator: <i>KM, TV</i> | Date: <i>5/3/06</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: <i>Upland</i> Transect ID: Plot ID: <i>AA 607B-552</i> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>15</i> Herb: <i>90</i> Vine: <i>—</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red Spruce</i> | <i>T</i> | <i>FACU</i> | 9. | | |
| 2. <i>Red Maple</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>Grey Birch</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Spiny Broomrape</i> | <i>S</i> | <i>URL</i> | 12. | | |
| 5. <i>Sleep Hound</i> | <i>H</i> | <i>FAC</i> | 13. | | |
| 6. <i>Brodiaea Fern</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. <i>Low Fresh Blueberry</i> | <i>H</i> | <i>FACU-</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>42%</i> | | | | | |
| 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 | 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) |
| 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>0</i> | |
| Remarks: <i>Recent rainfall saturates soil</i> | |

SOILS

AR 607B-SS2

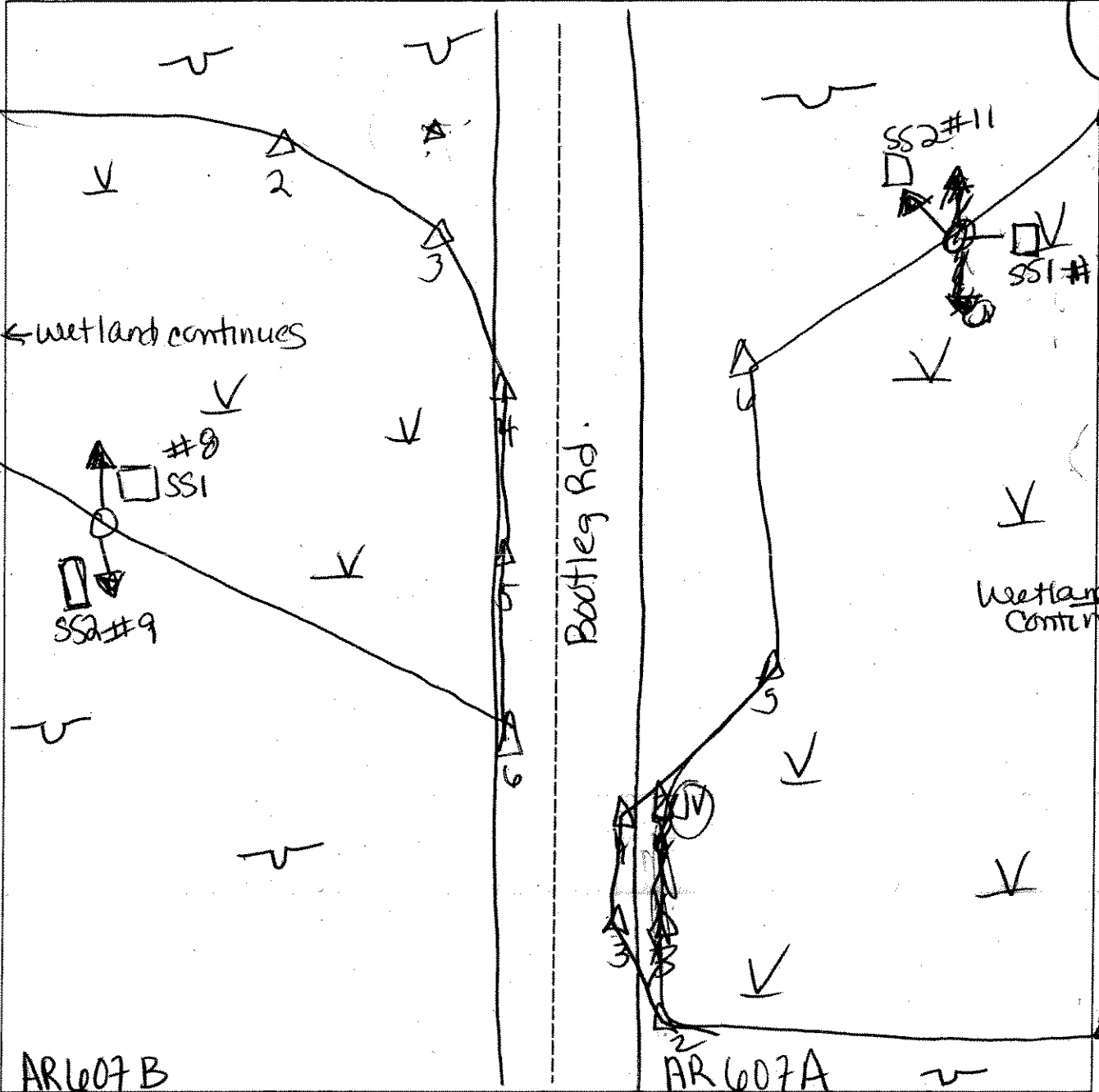
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|--|----------------------------------|-------------------------------------|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/ Size/Contrast | Texture, Concretions, Structure, etc. |
| 0-1 1-6 | O A | 10YR 2/1 7.5YR 5/4 | — — | — — | Silt with organic matter 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 6" Auger | | | | | |

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 Photo #9 Looking South | | | |

SKETCH FORM

| | | |
|---------------------------------------|-----------------------------|-------|
| Wetland ID/Route #: AR 607 A/B | Date: 5-3-06 | Time: |
| Initials of Delineators: KH JV | Location: Bootleg Rd | |
| Roll #: 8, 9, 10, 11 | 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>Marble River</i> Applicant/Owner: <i>Horizon wood Pomer LLC</i> Investigator: <i>16H, JV</i> | Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</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 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>wetland</i> Transect ID: Plot ID: <i>AR 608A-SS1</i> |

VEGETATION

| Plant Community Classification: <i>PFO1/PEM</i> | | | | | |
|---|----------|-------------|--------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>60</i> Herb: <i>90</i> Vine: <i>—</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Alder Hickory</i> | <i>T</i> | <i>FAC</i> | 9. <i>...</i> | | |
| 2. <i>Gray Birch</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Nanny Berry</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Balsam Fir</i> | <i>H</i> | <i>FAC</i> | 12. | | |
| 5. <i>Club moss sp</i> | <i>H</i> | <i>—</i> | 13. | | |
| 6. <i>Cinnamon Fern</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>Ground disturbed from past logging activities</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 | 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.): <i>1</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: | |

SOILS

AR 608A - SSI

| | |
|--------------------------------------|---|
| 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 | O | 10YR-2/1 | | | Plant / Muck |
| 1-7 | A | 10YR-4/1 | | | Sandy silt |
| 7-12 | A₁ | | | | |
| | | | | | |
| | | | | | |

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: refusal of Auger at 7 inches.

WETLAND DETERMINATION

| | | | | |
|---------------------------------|--|----------|--|--|
| Hydrophytic Vegetation 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 |
| 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: pit # 12 100/55 N at SSI

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

| | |
|--|---|
| Project Site: <i>Morble Thiner</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i> | Date: <i>5/3/06</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 checked="" type="checkbox"/> No <input 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>Upland</i> Transect ID: Plot ID: <i>AA608A-552</i> |

VEGETATION

| Plant Community Classification: <i>Deciduous Forest</i> | | | | | |
|---|----------|-----------------|------------------------|-----------------|----------------|
| Percent Canopy Cover: | | Tree: <i>20</i> | Shrub: <i>40</i> | Herb: <i>70</i> | Vine: <i>-</i> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer Rubrum</i> | <i>1</i> | <i>FAC</i> | 9. | | |
| 2. <i>Cory Birch</i> | <i>1</i> | <i>FAC</i> | 10. | | |
| 3. <i>Nanny Berry</i> | <i>3</i> | <i>FAC</i> | 11. | | |
| 4. <i>Nanny Berry</i> | <i>H</i> | <i>FAC</i> | 12. | | |
| 5. <i>Bracken Fern</i> | <i>H</i> | <i>FACW</i> | 13. | | |
| 6. <i>Low Bush Blueberry</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>66%</i> | | | | | |
| Remarks: <i>- Area disturbed by past logging</i> <i>- transitional area</i> | | | | | |

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 | 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) |
| 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>0</i> | Remarks: <i>near rainfall saturated soil</i> |

AR 608A-SS2

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 | O | 10YR-2/1 | | | humicky organics |
| 1-3 | A | 7.5YR-4/1 | | | clay loam |
| 3-6 | A ₁ | 7.5YR-3/3 | | | 5YR 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 6 inches

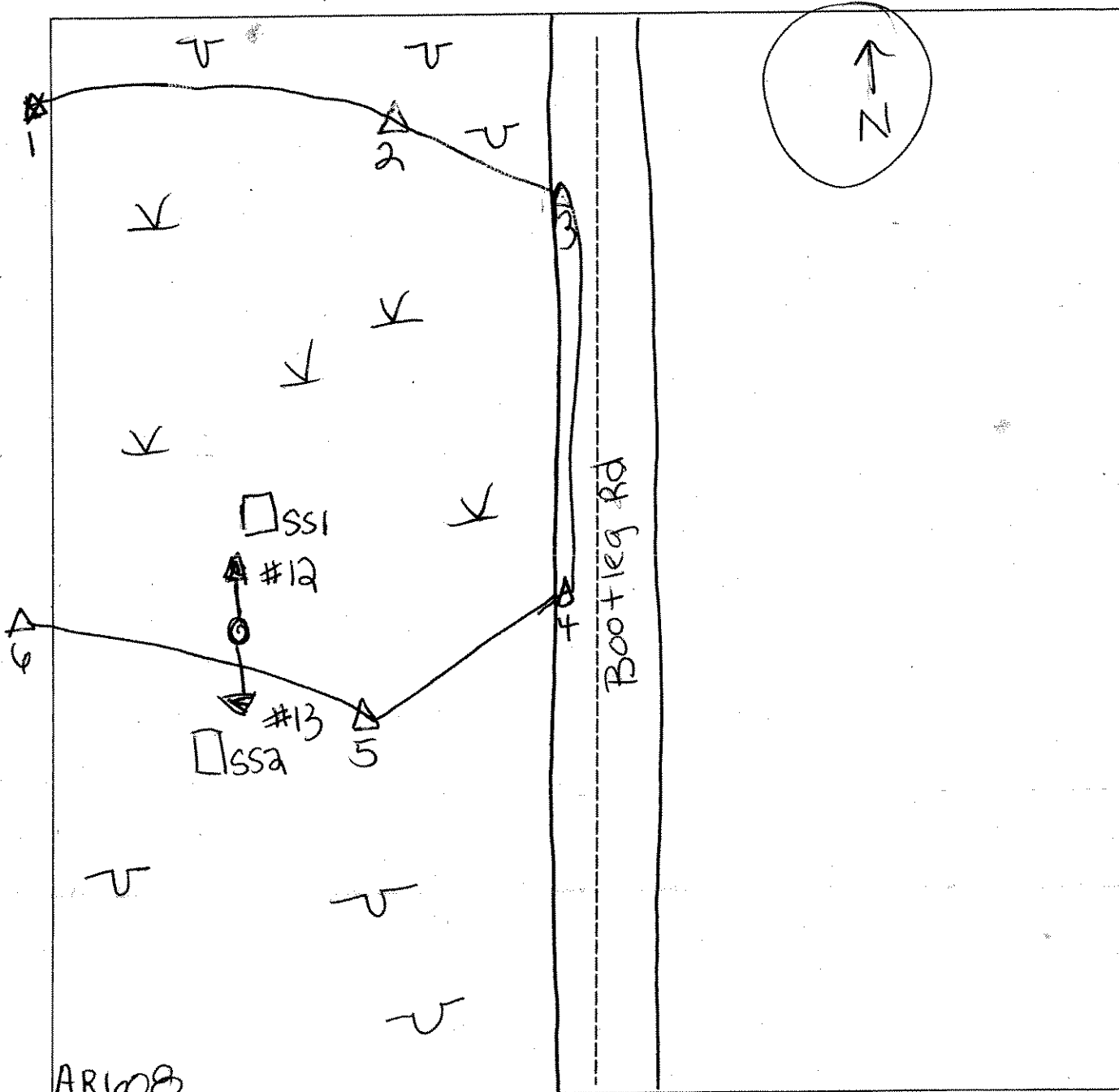
WETLAND DETERMINATION

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

Remarks: pit #13 looks s at SS2

SKETCH FORM

| | | |
|--|------------------------------|-------|
| Wetland ID/Route #: AR 608 | Date: 5-3-06 | Time: |
| Initials of Delineators: KHI JV | Location: Bootleg Rd. | |
| Roll #: 12, 13 | Frames: | |



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

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

AR608A EXTENSION

| | | | |
|--|--|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/9/07 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; width: 50%;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes <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 checked="" type="radio"/> Yes <input type="radio"/> No | <input type="radio"/> Yes <input checked="" type="radio"/> No | | |
| Community ID: AR608A SS1 Transect ID: AR607A Plot ID/PSS: AR605A | | | |

VEGETATION

| Plant Community Classification: <i>Red maple forest PSS</i> | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Quercus rubrum</i> | T | FAC | 9. | | |
| 2. <i>Betula papyrifera</i> | S | FAC | 10. | | |
| 3. <i>Viburnum lentago</i> | S | FAC | 11. | | |
| 4. <i>Carex sp</i> | H | | 12. | | |
| 5. <i>Sphagnum moss 25%</i> | H | OBL | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: <i>Abies balsamea < 5% cannot i.d due to season</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 in spots <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 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.): <i>< 1" in spots</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>1"</i> | |
| Remarks: | |

Date: 10 May 07
 Community ID: wetland SS
 Plot ID: AR608A
 AR607A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: **AR607A**
 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 | | | |
| 1-3 | A ₁ | 10YR 2/1 | | | silt loam |
| 3-5 | A ₂ | 10YR 5/2 | | | sandy loam |
| 5-12 | B | 10YR 5/2 | 10YR 5/8 | prom., common, md. | 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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: organic streaking on C, saturation @ 1", water in pit @ 6"

WETLAND DETERMINATION

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

Remarks: photo 3 = SW DEC WL
 photo 4 = NE
 Area has been logged

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

EXTENSION

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IV AP</i> | Date: <i>5/10/07</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>L1PL</i> Transect ID: Plot ID: <i>AR 608A SS2</i> |

VEGETATION

AR 607A
AR 605A

| Plant Community Classification: <i>early successional</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>White birch</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Acer rubrum</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Viburnum lentago</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Kalmia angustifolia</i> | <i>S</i> | <i>FACU</i> | 12. | | |
| 5. <i>Opithon</i> | <i>H</i> | <i>FACU-</i> | 13. | | |
| 6. <i>Bracken fern</i> | <i>H</i> | <i>FACU</i> | 14. | | |
| 7. <i>low bush blueberry</i> | <i>H</i> | <i>FACU-</i> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>45%.</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 | 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: *10 May 07*
 Community ID: *Upland SS2*
 Plot ID: *AR608 A*
AR607 A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: *AR607 A*
 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>O</i> | <i>5YR 2.5/2</i> | | | |
| <i>1-12</i> | <i>A</i> | <i>10YR 2/1</i> | | | <i>silt loam</i> |
| <i>12-14</i> | <i>B</i> | <i>10YR 5/3</i> | | | <i>sandy clay loam</i> |
| | | | | | |
| | | | | | |
| | | | | | |

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: *A horizon very organic*

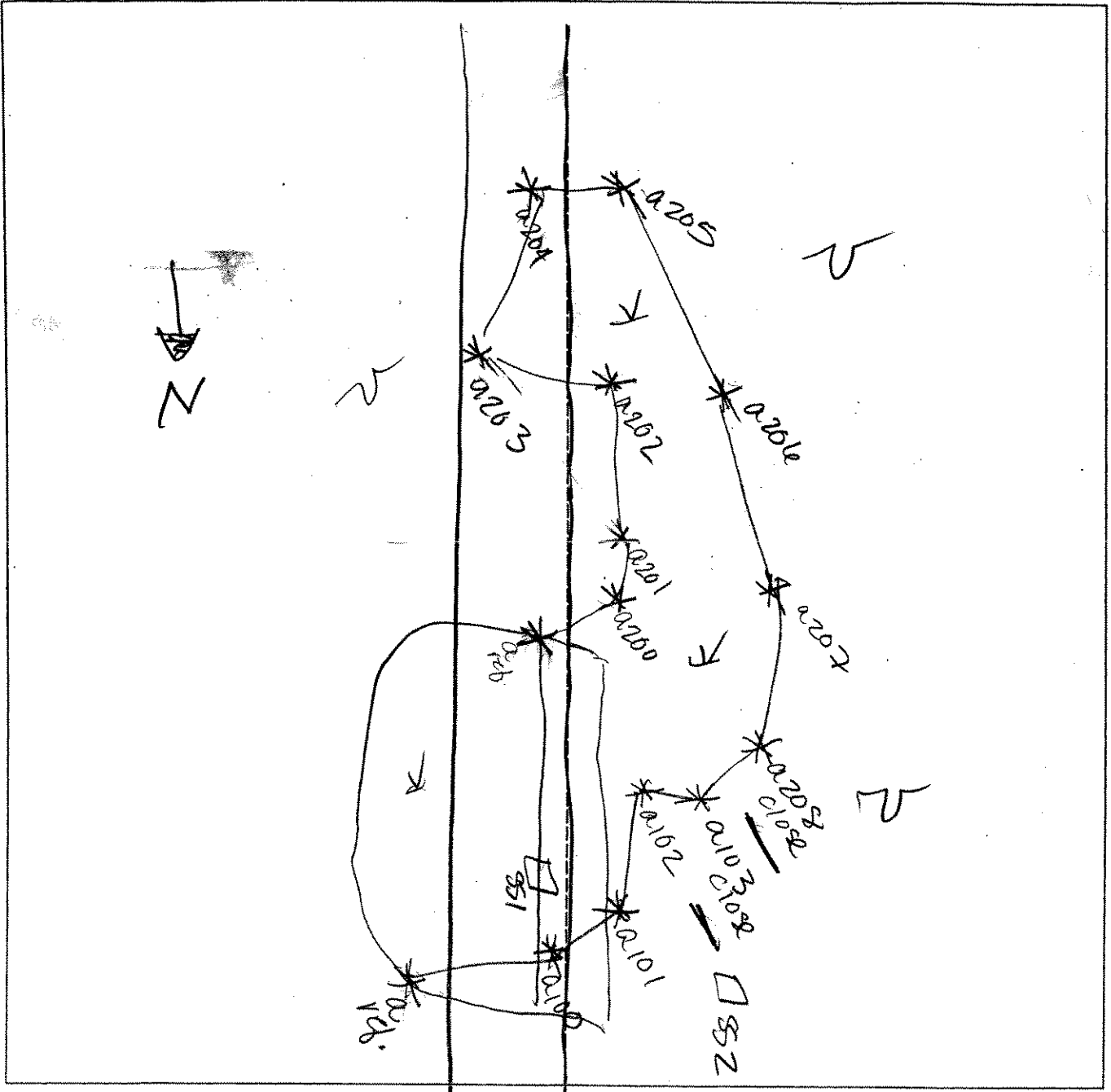
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|---|---|-------|
| Wetland ID/Route #: AR1008 EXTENSION | Date: 10 May 07 | Time: |
| Initials of Delineators: JV: APD | Location: IL/AR along logging road | |
| Roll #: | Frames: | |



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