

**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>RJD 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>AR028A - SSI</u> |

VEGETATION

| Plant Community Classification: <u>PFO1</u> | | | | | |
|--|--------------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>35%</u> Shrub: <u>35%</u> Herb: <u>45%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. Maple</u> | <u>T/S/H</u> | <u>FAC</u> | 9. | | |
| 2. <u>S. Maple</u> | <u>T/S/H</u> | <u>FACU</u> | 10. | | |
| 3. <u>Serviceberry</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Carex sp</u> | <u>H</u> | <u>-</u> | 12. | | |
| 5. <u>Mary Flower</u> | <u>H</u> | <u>FAC-</u> | 13. | | |
| 6. <u>Meadow Sweet</u> | <u>S</u> | <u>FACW</u> | 14. | | |
| 7. <u>N.W. Cedar *</u> | <u>H</u> | <u>OPX</u> | 15. | | |
| 8. <u>Bir Spruce</u> | <u>S</u> | <u>FACU-</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u> | | | | | |
| Remarks: <u>* only (1) seedling observed</u> | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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 checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>up to 2" +</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | <input checked="" type="checkbox"/> Other (Explain in Remarks): <u>-Buttressed tree trunks</u> |
| Remarks: | |

Date: 5-21-06
 Community ID: Wetland
 Plot ID: AR028A-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. |
| 0-4 | A | 10YR-2/1 | — | — | Silt loam w/organics |
| 4-10 | B | 10YR-6/3 | — | — | Sandy Loam |
| 10-18 | B ₂ | 10YR-6/3 | Gley 25/10Bg | Common/Med/Distinct | Sandy Loam |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|--------------------------|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes | <input type="radio"/> No | 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 => | | | |
| Isolated wetland feature | | | |

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| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD</u> | Date: <u>5-21-06</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>Upland</u> Transect ID: Plot ID: <u>AR828A-SSA</u> |

VEGETATION

| Plant Community Classification: <u>Deciduous Forest</u> | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>75%</u> Herb: <u>10%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. K. Maple | T/S/H | FAC | 9. | | |
| 2. S. Maple | T/S | FAC | 10. | | |
| 3. B. Spruce | S | FACU- | 11. | | |
| 4. Tree Club Moss | H | FACU | 12. | | |
| 5. Mail Flower | H | FAC- | 13. | | |
| 6. Trout Lily | H | FAC | 14. | | |
| 7. Wood Fern | H | FAC+ | 15. | | |
| 8. Am. Beech | S | FACU | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>44%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input 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 checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>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: 5-21-06
 Community ID: Upland
 Plot ID: AR828A-552

SOILS

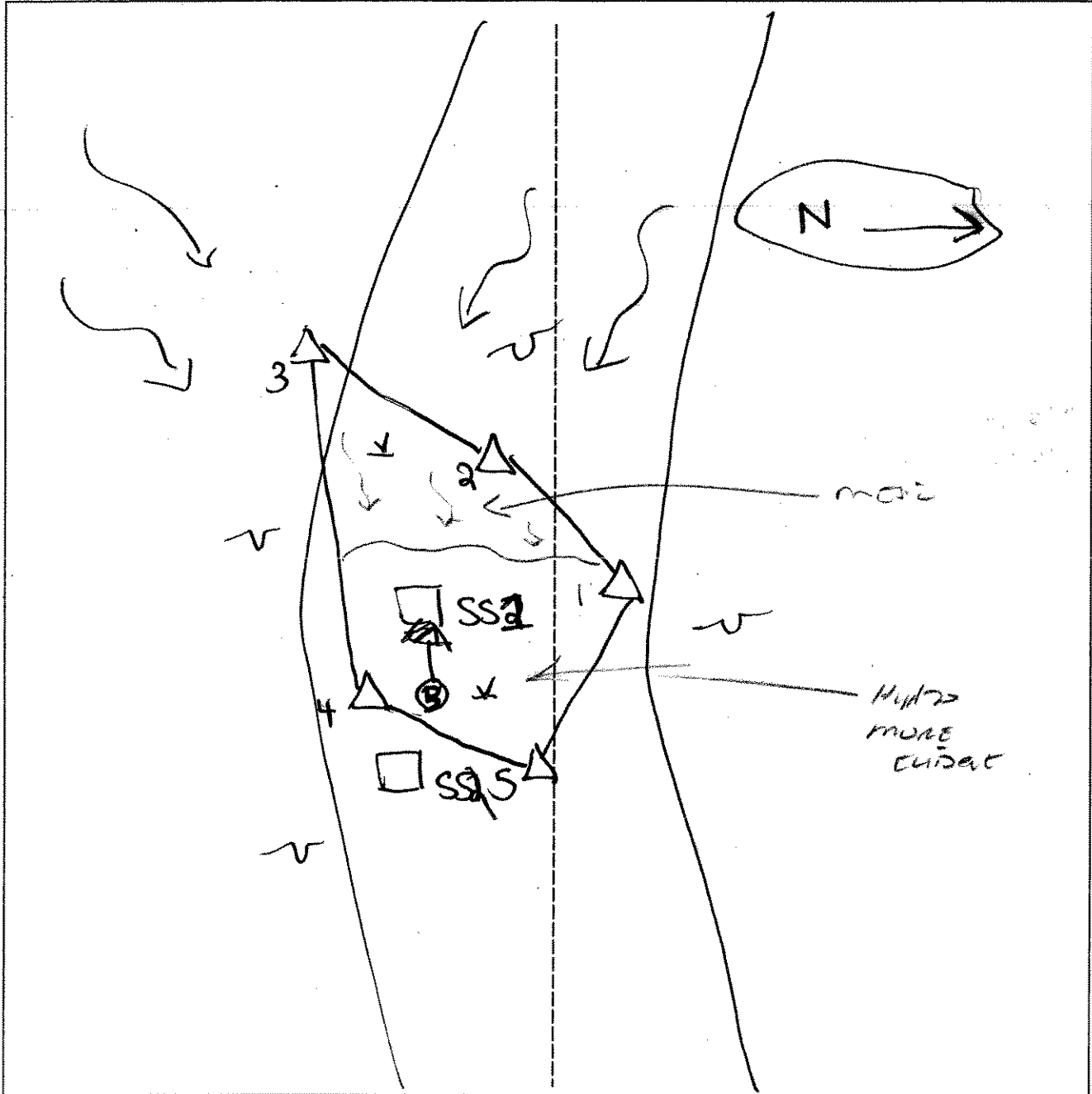
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|--|----------------------------------|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-2 | O | 5YR-3/3 | | | organics |
| 2-4 | A | 10YR-2/1 | | | silt loam |
| 4-7 | E | 7.5YR-5/3 | | | Sandy loam |
| 7-14 | B | 7.5YR-3/4 | | | 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 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 @ 14" | | | | | |

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 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 828A | Date: 5-21-06 | Time: |
| Initials of Delineators: RJD JV | Location: Access Road to W76 203 + 12 | |
| Roll #: 3 | Frames: ⇒ E @ SSI | |



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

AR 852

**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>RJD JV</u> | Date: <u>5-20-00</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)? <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>ARB25B-SSI</u> |

VEGETATION

| Plant Community Classification: <u>PFO1</u> | | | | | |
|--|------------|--------------|------------------------|----------|-------------|
| Percent Canopy Cover: Tree: <u>55%</u> Shrub: <u>40%</u> Herb: <u>45%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R Maple</u> | <u>T/S</u> | <u>FAC</u> | 9. <u>Mayflower</u> | <u>H</u> | <u>FAC-</u> |
| 2. <u>B Birch</u> | <u>T/S</u> | <u>FAC</u> | 10. | | |
| 3. <u>A Aspen</u> | <u>T</u> | <u>FACU</u> | 11. | | |
| 4. <u>Bk Spruce</u> | <u>T</u> | <u>FACU-</u> | 12. | | |
| 5. <u>B Fir</u> | <u>T/S</u> | <u>FAC</u> | 13. | | |
| 6. <u>Service Berry</u> | <u>S</u> | <u>FAC</u> | 14. | | |
| 7. <u>Meadow Sweet</u> | <u>S</u> | <u>FACW</u> | 15. | | |
| 8. <u>Carex sp.</u> | <u>H</u> | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-) <u>46%</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 <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 checked="" type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>10" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: <u>Butressed tree trunks</u> | |

Date: 5-20-06
 Community ID: Wetland
 Plot ID: R825A-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 ₁ | 10YR 2/1 | | | SH loam w/ organic |
| 4-10 | A ₂ | 10YR 5/2 | 7MIX | | sandy clay loam |
| | | 10YR 6/2 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input 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: 4-10" includes streaking | | | | | |
| Refusal @ 10" | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|----------------------------------|----|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> | No | Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No |
| Wetlands Hydrology Present? | <input checked="" type="radio"/> | No | |
| Hydric Soils Present? | <input checked="" type="radio"/> | No | |
| Remarks | | | |
| 2 -> NW c SSI | | | |
| DEC Wetland | | | |

AR 852

**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>RTD CV</u> | Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NV</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;">Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;">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 | Yes | <input checked="" type="radio"/> No | Yes | <input type="radio"/> No |
| <input checked="" type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Yes | <input type="radio"/> No | | | | | | |
| Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR0258-SS2</u> | | | | | | | |

VEGETATION

| Plant Community Classification: <u>Deciduous Forested w/ Scattered Conifers</u> | | | | | |
|--|--------------|--------------|-------------------------|----------|-------------|
| Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>50%</u> Herb: <u>45%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. Maple</u> | <u>T/S/H</u> | <u>FAC</u> | 9. <u>Tree Clubmoss</u> | <u>H</u> | <u>FACU</u> |
| 2. <u>G. Birch</u> | <u>T</u> | <u>FAC</u> | 10. <u>B. Fir</u> | <u>S</u> | <u>FAC</u> |
| 3. <u>American Beech</u> | <u>S</u> | <u>FACU</u> | 11. | | |
| 4. <u>A. Aspen</u> | <u>T</u> | <u>FAC</u> | 12. | | |
| 5. <u>Bracken Fern</u> | <u>H</u> | <u>FACU</u> | 13. | | |
| 6. <u>Mallow</u> | <u>H</u> | <u>FAC-</u> | 14. | | |
| 7. <u>Cherry - BK</u> | <u>IF</u> | <u>FACU</u> | 15. | | |
| 8. <u>Trailing Clubmoss</u> | <u>IF</u> | <u>FACU-</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|--|
| <p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p> | <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</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.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p> | |
| <p>Remarks:</p> | |

877 814

Date: 8-20-06
 Community ID: UGrand
 Plot ID: AR825B-552

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-3 | A | 10YR-2/1 | - | - | Silt loam w/ organics |
| 3-7 | B ₁ | 7.5YR-5/2 | - | - | Sandy clay loam |
| 7-14 | B ₂ | 7.5YR-4/6 | - | - | Silty clay |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
 Refusal @ 14"

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

Remarks

AR 852

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

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble America</u> Investigator: <u>RTD JV</u> | Date: <u>5-20-06</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>AR0201/BSS1</u> |

VEGETATION

| Plant Community Classification: <u>OP01</u> Percent Canopy Cover: Tree: <u>65%</u> , Shrub: <u>75%</u> , Herb: <u>60%</u> , Vine: <u>0</u> | | | | | |
|---|------------|--------------|--------------------------|----------|-------------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>G. Huth Aspen</u> | <u>T/S</u> | <u>FACU-</u> | 9. <u>Partridgeberry</u> | <u>H</u> | <u>FACU</u> |
| 2. <u>R. Maple</u> | <u>T</u> | <u>FAC</u> | 10. <u>mess sp.</u> | <u>H</u> | <u>-</u> |
| 3. <u>Ash</u> | <u>T</u> | <u>FACU</u> | 11. | | |
| 4. <u>DOGWOOD sp</u> | <u>S</u> | <u>-</u> | 12. | | |
| 5. <u>Serviceberry</u> | <u>S</u> | <u>FAC</u> | 13. | | |
| 6. <u>Sensitive Fern</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>Carex sp</u> | <u>H</u> | <u>-</u> | 15. | | |
| 8. <u>front lily</u> | <u>H</u> | <u>-</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</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 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>NO</u> <u>no representation</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u> | |
| Remarks: | |

Date: 5-20-06
 Community ID: Wetland
 Plot ID: AR826A/BSSJ

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 10-18 | A B | 10YR-3/2 10YR-4/2 9.5Y-6/3 | 7.5YR-5/6 | Common / med / dist | Silty clay loam Sandy clay |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Wetlands Hydrology Present? <input checked="" type="checkbox"/> Hydric Soils Present? | <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 | Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Remarks mesic areas prevalent photo 4 => NE SSI | | |

AR 852

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>RJM JV</u> | Date: <u>5-20-06</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 852-AB-SS2</u> |

VEGETATION

| Plant Community Classification: <u>Forest</u> | | | | | |
|---|------------|-------------|------------------------|----------|------------|
| Percent Canopy Cover: Tree: <u>70%</u> , Shrub: <u>30%</u> , Herb: <u>35%</u> , Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. Maple</u> | <u>T/S</u> | <u>FAC</u> | 9. <u>B. Elm</u> | <u>S</u> | <u>FAC</u> |
| 2. <u>C. Birch</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>S. Sycamore</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Am. Beech</u> | <u>S</u> | <u>PACU</u> | 12. | | |
| 5. <u>Interrupted Fern</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Mossy Flower</u> | <u>H</u> | <u>FAC-</u> | 14. | | |
| 7. <u>Wood Fern</u> | <u>H</u> | <u>FAC+</u> | 15. | | |
| 8. <u>Trillium</u> | <u>H</u> | <u>FAC</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available</p> | <p>Wetland Hydrology Indicators: Primary Indicators: ___ 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)</p> |
| <p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p> | |
| Remarks: | |

27834

Date: 5-20-06
 Community ID: upland
 Plot ID: AR 82601B-SS2

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 10YR-3/2 | = | = | Silty clay loam |
| 8-18 | B | 7.5YR-3/3 | = | = | Silty clay loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

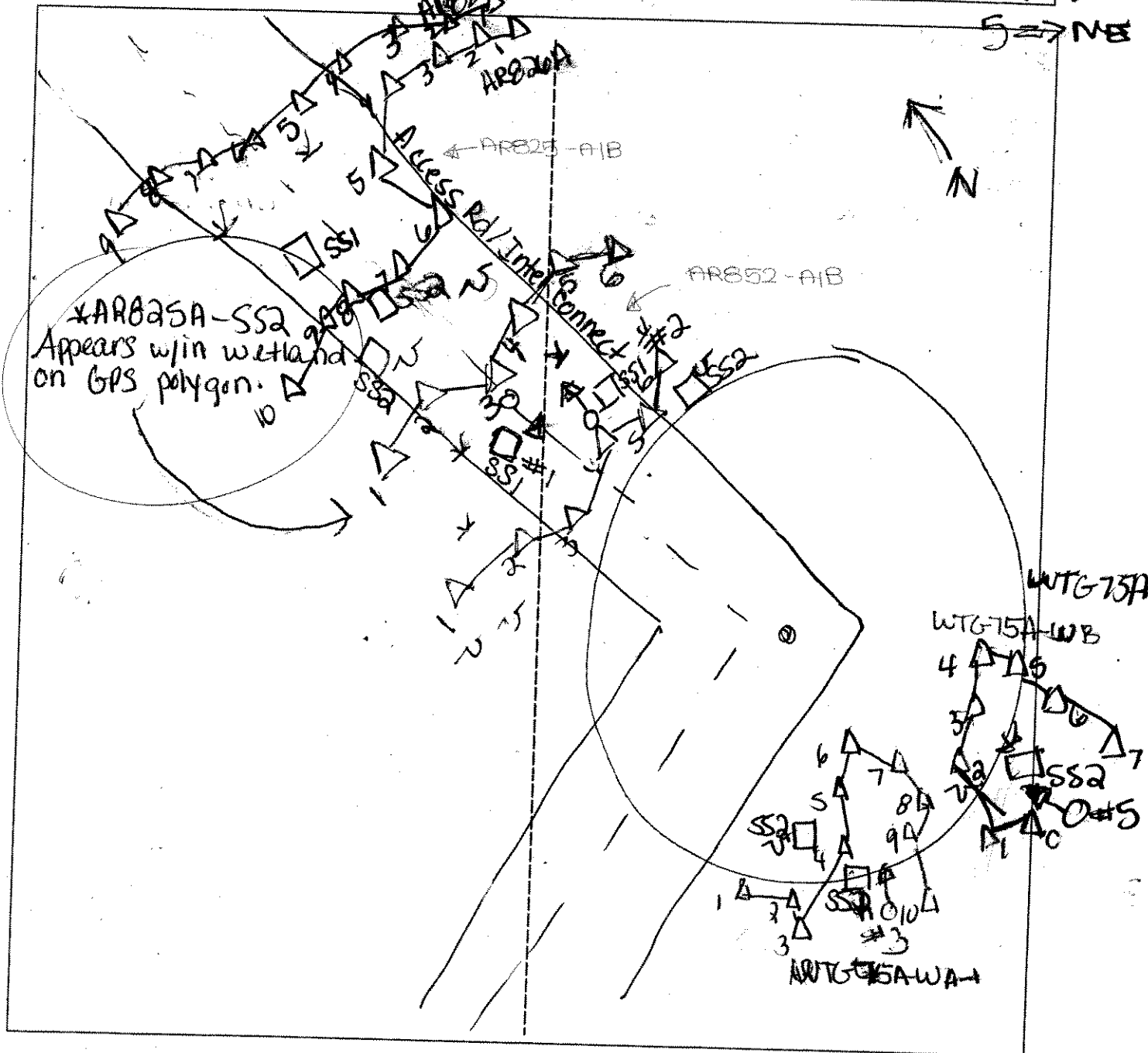
| | | | |
|---------------------------------|---|--|--|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Wetlands Hydrology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

AR 852

| | | | |
|--|---|--|-------|
| Wetland ID/Route # AR825A/B, AR825WB, WTG-75WB | | Date: 5-20-06 | Time: |
| Initials of Delineators: | | Location: Access Rd / Interconnect to turbine 75A-W | |
| Roll #: | Frames: 1 => SW e SS1/6B 2 => NW c SS1 3 => E c SS1 4 => NW | | |



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

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

AR852 AB EXTENSION

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/6/07 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" 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 checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: PFO1 Transect ID: Plot ID: WT651-A / AR852-5 |

AR852-AB BSI

VEGETATION

| Plant Community Classification: Red maple Mesic | | | | | |
|---|---------|-----------|------------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 70 Shrub: 05 Herb: 80 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. <i>Sphagnum moss ~50%</i> | H | OBL |
| 2. <i>Betula populifolia</i> | T | FAC | 10. | | |
| 3. <i>Fraxinus</i> sp. | T | - | 11. | | |
| 4. <i>Abies bicolor</i> | S | FAC | 12. | | |
| 5. <i>Viburnum lentago</i> | S | FAC | 13. | | |
| 6. <i>Betula populifolia</i> | S | FAC | 14. | | |
| 7. <i>Erythronium americanum</i> | H | FAC | 15. | | |
| 8. <i>Allyrium selyi</i> Fern | H | FAC | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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 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.): NA Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 5/6/07
 Community ID: PFD
 Plot ID: WTG 51-A / AREA 5
 AB 852-AB 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. |
| 0-2 | O | 10YR 2/1 | | | organics |
| 2-5 | A | 10YR 2/1 | | | silt |
| 5-9 | B ₁ | 10YR 5/2 | | | silt |
| 9-11 | B ₂ | 10YR 3/4 | 2.5Y 4/1 | common, med. dist. | silt loam |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

| | |
|---|---|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input 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 DEC WL
 Although Area is significantly disturbed due to recent logging, local topograph slopes into WL from the N.
 Heard woodpecker tapping tree w/ WL
 photo 1-5

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/7/07 County: Clinton State: NY |
| 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: Transect ID: Plot ID: WTC 51/AR 825 |

AR 85a-AB 55a
EXT

VEGETATION

| Plant Community Classification: <u>Logged Deciduous woods</u> | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>35</u> Shrub: <u>20</u> Herb: <u>25</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Acer rubrum | T | FAC | 9. | | |
| 2. Fraxinus sp | T | | 10. | | |
| 3. A. rubrum | S | FAC | 11. | | |
| 4. Viburnum lentago | S | FAC | 12. | | |
| 5. Erythronium americanum | H | FAC | 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 i.d species b/c time of year</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: 5/6/07
 Community ID: UPL
 Plot ID: WT651A/AB025
 AB052AB

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: 552
 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 | | | Silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: 50% root /organics in top 4"

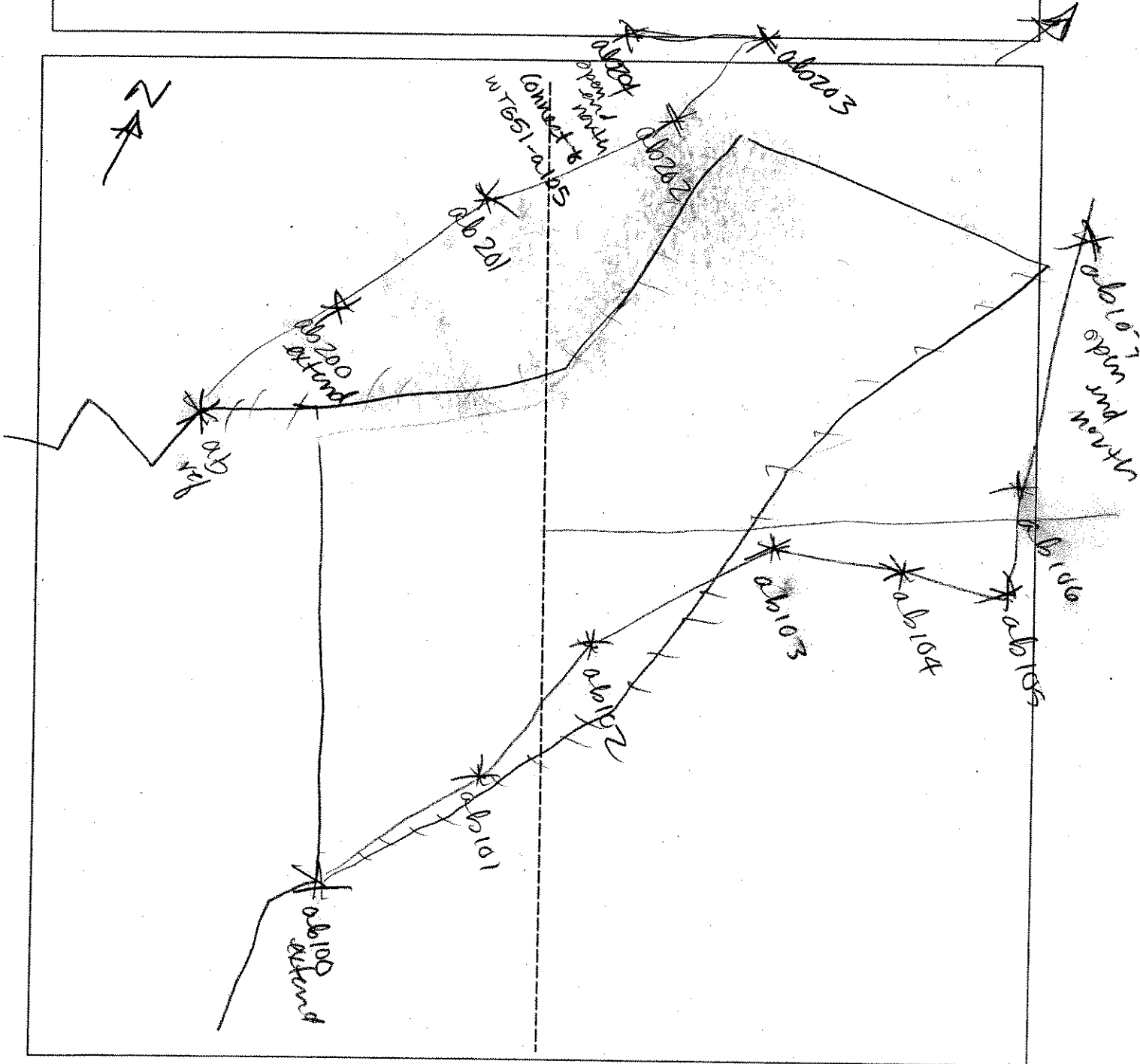
WETLAND DETERMINATION

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

Remarks Area has recently been logged. Soils are very disturbed and mature woody vegetation harvested. Heard woodpecker tapping tree w/ red

SKETCH FORM

| | | |
|--|----------------------------|-------|
| Wetland ID/Route #: AR 852-ab EXT | Date: 6 May 07 | Time: |
| Initials of Delineators: JV, AP | Location: AR 852-ab | |
| 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)**

Wetland

| | |
|--|---|
| Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BRL</u> | Date: <u>5/6/06</u> County: <u>Canton Co</u> State: <u>NC</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>P60</u> Transect ID: <u>AR-615-SS1</u> Plot ID: <u>AR-551-902</u> |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: <u>63</u> Shrub: <u>10.5</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>Gray Birch</u> | <u>Tree</u> | <u>FAC</u> | 10. | | |
| 3. <u>Honey Beech</u> | <u>Shrub</u> | <u>FAC</u> | 11. | | |
| 4. <u>Magnolia</u> | <u>Herb</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>76</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 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>6"</u> Depth to Saturated Soil (in.): <u>10"</u> | |
| Remarks: | |

Date: 5/6/06
 Community ID: 7F0/785
 Plot ID:
 AZ 6 55-1-902

SOILS

Map Unit Name (Series and Phase): N/A Drainage Class: VD
 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. |
| 4-0 | B ₁ | 10YR 3/1 | None | None | Fibric |
| 0-6 | A _p | 10YR 4/1 | None | None | Fol |
| 6-14 | B ₂₂ | 10YR 5/2 | 10YR 5/10 | Many / Distinct | Fol |
| | | | | | |
| | | | | | |
| | | | | | |

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 type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: *soil pit dug w/ spade

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)**

Upland
Upgradient
AR 902-21

| | |
|--|--|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i> | Date: <i>5/6/06</i> County: <i>Clinton</i> State: <i>NY</i> |
| 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: <i>PSS</i> Transect ID: <i>DR 619-SS-2</i> Plot ID: <i>AR-SS-2-902</i> |

VEGETATION

** some disturbance from road construction*

| Plant Community Classification: | | | | | |
|---|--------------|-------------------|------------------------|-----------------|----------------|
| Percent Canopy Cover: | | Tree: <i>10.5</i> | Shrub: <i>38</i> | Herb: <i>63</i> | Vine: <i>0</i> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red Maple</i> | <i>Tree</i> | <i>FAC</i> | 9. | | |
| 2. <i>Norway Spruce</i> | <i>Shrub</i> | <i>FACW</i> | 10. | | |
| 3. <i>Common Fern</i> | <i>Herb</i> | <i>FACW</i> | 11. | | |
| 4. <i>Sensitive Fern</i> | <i>Herb</i> | <i>FACW</i> | 12. | | |
| 5. <i>May Sedge</i> | <i>Herb</i> | <i>FAC-</i> | 13. | | |
| 6. | | | 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 type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: <i>No Hydrologic Indicators Obs</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>> 12"</i> Depth to Free Standing Water in Pit (in.): <i>> 16"</i> Depth to Saturated Soil (in.): <i>16"</i> | |
| Remarks: | |

Date: 5/6/86
 Community ID: P45
 Plot ID:
 NR 55-2-902

SOILS

| | |
|---|---|
| Map Unit Name (Series and Phase): <i>W/D</i> | Drainage Class: <i>hwb</i> |
| Taxonomy (SubGroup): <i>h/b</i> | 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. | <i>Ap</i> | <i>10YR 3/2</i> | <i>None</i> | <i>None</i> | <i>ESL</i> |
| 8-12 | <i>Bw₁</i> | <i>10YR 4/4</i> | <i>None</i> | <i>None</i> | <i>FSL</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:

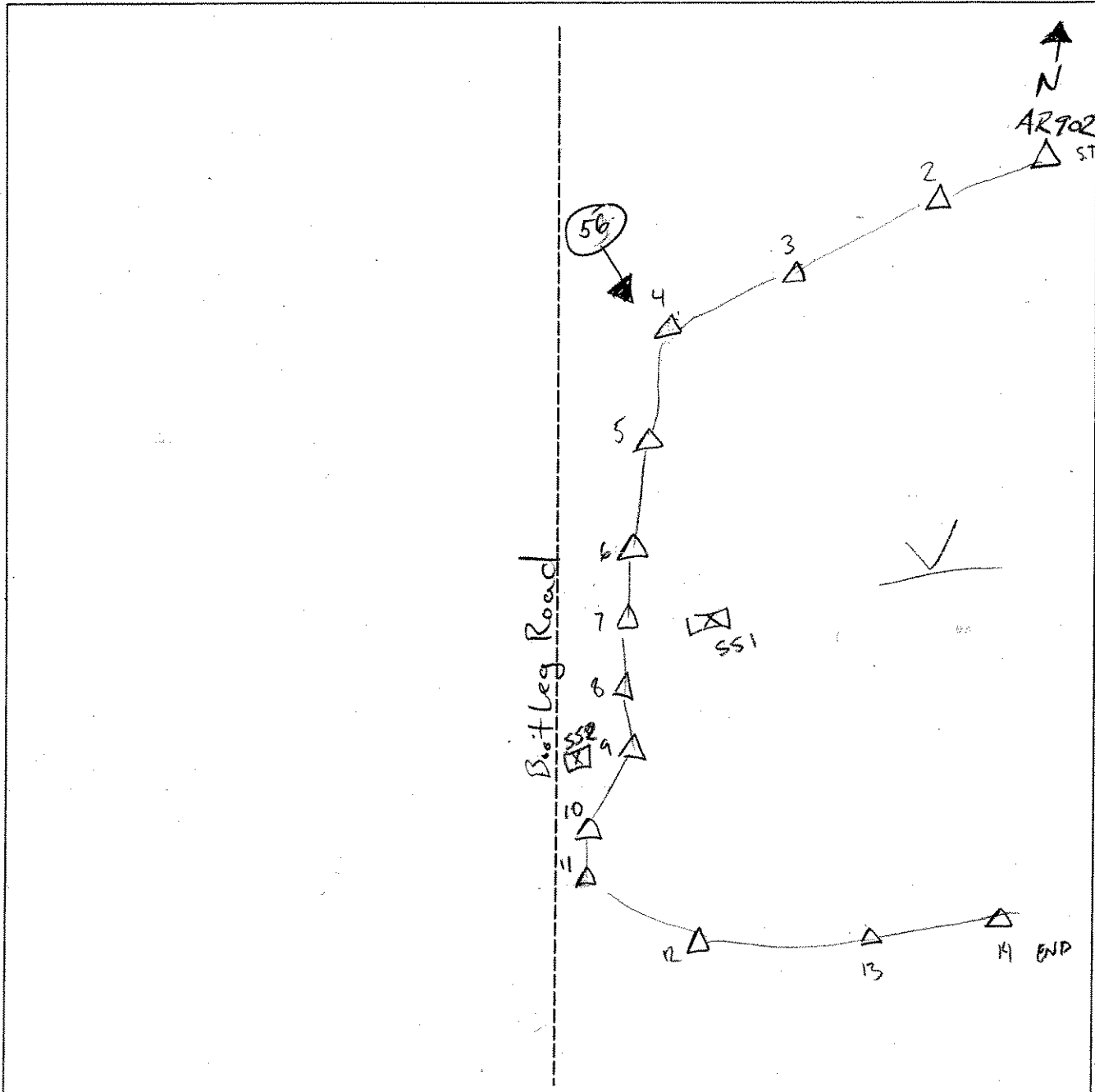
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|-------------------------------|--|----------------|
| Wetland ID/Route #: AR902 2 | Date: 5-06-06 | Time: 10:10 AM |
| Intials of Delineators: DO BR | Location: Marble River Clinton County, NY | |
| Roll #: | Frames: 56: Looking SE @ 902-4 | |



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

Wetland
Downywood 904

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

| | |
|--|---|
| Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River</i> Investigator: <i>BPL</i> | Date: <i>5/6/00</i> County: <i>Clinton</i> State: <i>NH</i> |
| 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: <i>PFO/PSS</i> Transect ID: <i>AR-5-5051</i> Plot ID: <i>AR-5-5051-904 Sand</i> |

VEGETATION

* *2-1/2 hrs, logging disturb*

| Plant Community Classification: | | | | | |
|---|-------------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>20.5</i> Shrub: <i>0</i> Herb: <i>3.0</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red maple</i> | <i>Tree</i> | <i>FAC</i> | 9. | | |
| 2. <i>Carex sp.</i> | <i>Herb</i> | <i>OBL</i> | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks:

* *Assorted hydrophilic grass present, unable to positively ID due to seasonal conditions*

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 at <i>6"</i> <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.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>6"</i> | |
| Remarks: | |

Wetland

Date: 5/6/06
Community ID: PFO/P06
Plot ID:
P2: -80-1-904Guan

SOILS

| | |
|---|---|
| Map Unit Name (Series and Phase): <i>N/A</i> | Drainage Class: <i>PD</i> |
| Taxonomy (SubGroup): <i>N/A</i> | 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 | <i>Bp</i> | <i>10 YR 3/2</i> | <i>None</i> | <i>None</i> | <i>None</i> |
| 4-14 | <i>Bw1</i> | <i>10 YR 5/2</i> | <i>10 YR 6/8</i> | <i>Many / Disturbed</i> | <i>ESL</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 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:
soil profile disturbed with logging

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

Upland
Up gradient 904-

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>5/6/06</i> County: <i>Columbia</i> State: <i>NY</i> |
| 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: <i>PRZ</i> Transect ID: <i>102619-822</i> Plot ID: <i>PRZ-822-904</i> <i>904</i> |

VEGETATION

* *Rutting, Logging disturb*

Plant Community Classification:
Percent Canopy Cover: Tree: *20.5* Shrub: *20.5* Herb: *38.0* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|--------------|-------------|------------------------|---------|-----------|
| 1. <i>Red Maple</i> | <i>Tree</i> | <i>FAC</i> | 9. | | |
| 2. <i>Aspen</i> | <i>Shrub</i> | <i>FACU</i> | 10. | | |
| 3. <i>Maple</i> | <i>Herb</i> | <i>FAC-</i> | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks:

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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>> 15"</i> Depth to Free Standing Water in Pit (in.): <i>> 15"</i> Depth to Saturated Soil (in.): <i>15"</i> | |
| Remarks: <i>No wetland hydrology indicator obs.</i> | |

Upland

Date: 5/6/66

Community ID: PFO / P66

Plot ID:

AR-55-2904-6mo

SOILS

Map Unit Name (Series and Phase): N/D1

Drainage Class: W15

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 | Dp | 10YR 3/2 | none | none | FSL |
| 4-15 | Bw ₁ | 10YR 4/4 | none | none | FSL |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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)

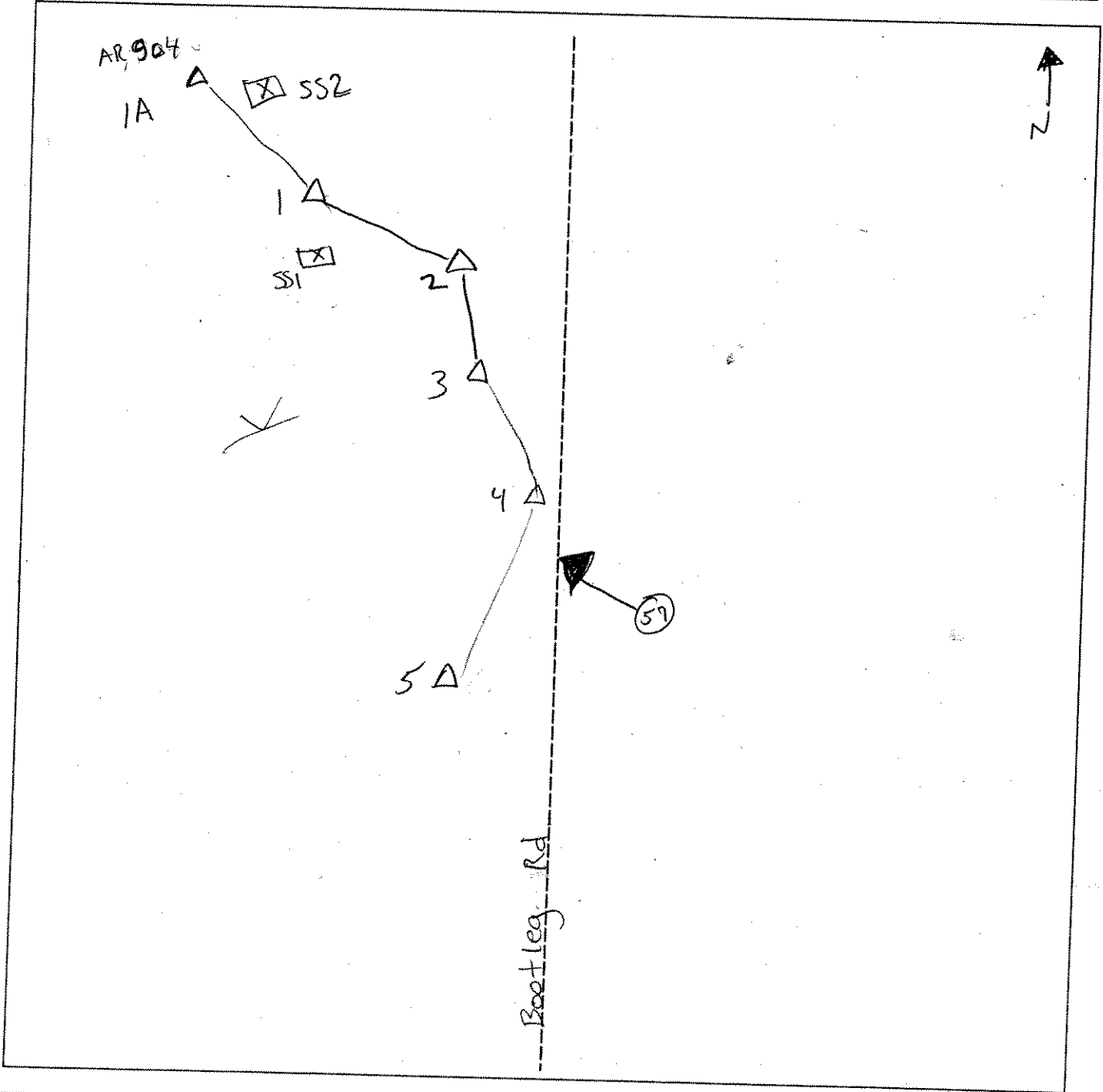
Remarks:

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <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-904 | Date: 5-06-06 | Time: |
| Initials of Delineators: DO BR | Location: Marble River | |
| Roll #: | Frames: 57 : Looking NW @ AR904-500 | |



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

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

AR904A EXTENSION

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SV AP</i> | Date: <i>5/9/07</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR615 B SSI</i> |

VEGETATION

AR904 A EXT
AR615 B

Plant Community Classification:
Percent Canopy Cover: Tree: *20* Shrub: *80* Herb: *80* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Populus populifolia</i> | T | FAC | 9. | | |
| 2. <i>Acer rubrum</i> | T | FAC | 10. | | |
| 3. <i>Urtica dioica</i> | S | FAC | 11. | | |
| 4. <i>A. rubrum</i> | S | FAC | 12. | | |
| 5. <i>Populus populifolia</i> | S | FAC | 13. | | |
| 6. <i>Sphagnum moss</i> <i>250</i> | H | OBL | 14. | | |
| 7. <i>Mnium canadense</i> | H | FAC | 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 checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: | |

Date: 5/9/07
 Community ID: PSS
 Plot ID: AR615A SSI
 AR904A

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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| | A | 10YR 2/2 | | | silt |
| | B | 10YR 2/1 | | | silt |
| 3-10 | C | 2.5Y 4/1 | 5Y 6/2 | common, faint, md | clay |
| 10-19 | D | 5Y 6/2 | | | sandy clay |
| | | | | | |
| | | | | | |

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: standing water in pit @ 3", organic streaking in C

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: DEC WE photo 7 = W

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

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u> | Date: <u>5/9/07</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>LPL</u> Transect ID: Plot ID: <u>AR015 A SSA</u> | | | | | | | |

VEGETATION

AR901A EXT
AR101B

| | | | | | |
|---|----------|-------------|-----------|------------------------|--|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>40</u> Herb: <u>65</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | | Stratum | Indicator | Dominant Plant Species | |
| 1. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Abutilon</u> | <u>S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Betula pumila</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Aster sp</u> | <u>H</u> | <u>—</u> | 12. | | |
| 5. <u>Pteridium aquilinum</u> | <u>H</u> | <u>FACU</u> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>cannot v.d 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: UPR
 Plot ID: AR015 A
 AB904A

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 | 2.5YR 2.5/2 | | | silt loam |
| 2-4 | A ₁ | 10YR 2/1 | | | sandy loam |
| 4-8 | A ₂ | 10YR 5/2 | | | clay loam |
| 8-12 | B | 10YR 3/3 | | | |
| | | | | | |
| | | | | | |

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

WETLAND DETERMINATION

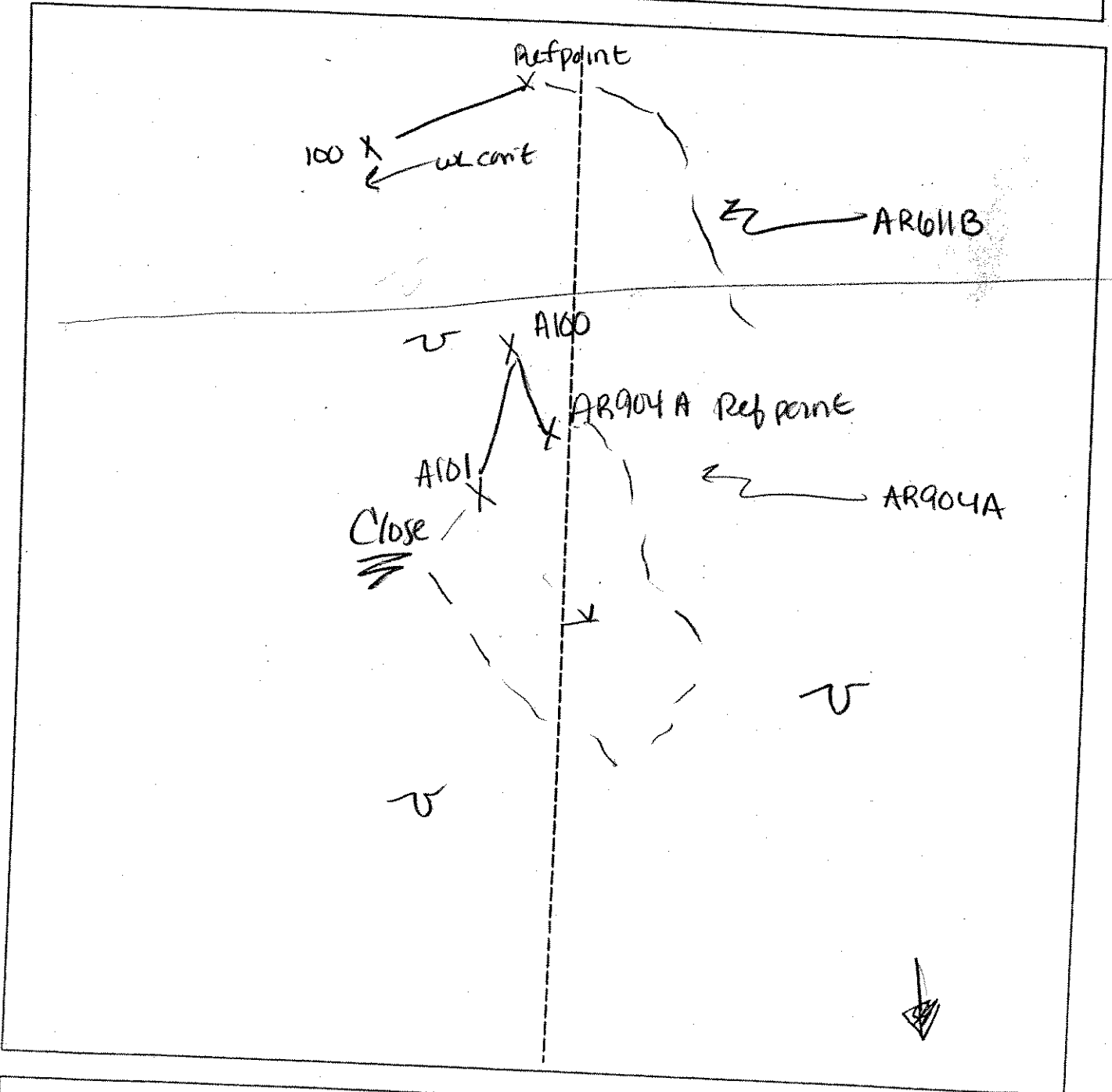
Hydrophytic Vegetation Present? Yes No
 Wetlands Hydrology Present? Yes No
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

| | | | |
|---|---------|------------------------------|-------|
| Wetland ID/Route #: <u>AR904 A</u> , AR601B | | Date: <u>5/9/07</u> | Time: |
| Initials of Delineators: <u>JV AP</u> | | Location: <u>FW of T-122</u> | |
| 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: TRD, SC | Date: 7/11/06 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.) | Yes No Yes No Yes No |
| | Community ID: WTRM Transect ID: AR906A Plot ID: 551 |

VEGETATION *PEM*

| Plant Community Classification: | | | | | |
|---|---------|-------------------|------------------------|------------|-------------------|
| Percent Canopy Cover: | | Tree: \emptyset | Shrub: 59% | Herb: 100% | Vine: \emptyset |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. CAREX LURIDA | H | OBL | 9. SPOCLE GRASS | S | FACW |
| 2. J. EFFUSUS | H | FACW+ | 10. polygonum sp | H | FACW/OBL |
| 3. CAREX SCOPARIA | H | FACW | | | |
| 4. RATTAL | H | FACW | | | |
| 5. Willow herb | H | OBL | | | |
| 6. narrow leaf yarrow | H | FAC | | | |
| 7. CAREX ULPENSIS | H | OBL | | | |
| 8. DK sp. bellish | H | OBL | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: Silky willow in western end of wetland - Spike Rush to east | | | | | |

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 (TO EAST) <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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 6" | |
| Remarks: Flat area receive the runoff from north | |

Date: 7/11/06
 Community ID: WERN1
 Plot ID: AR906A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | A | 10YR 4/2 | — | — | Silty Clay |
| 6-8 | B | 10YR 6/1 | 7.5YR 5/8 | Common/med/High | 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:

REFUSE of Aqueous at 8"

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RAJ, SC</u> | Date: <u>7/11/06</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.) | <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>Upland</u> Transect ID: <u>AR906A</u> Plot ID: <u>552</u> | |

VEGETATION Fully Successional

| Plant Community Classification: | | | | | |
|--|----------|---|--|-------------------|---|
| Percent Canopy Cover: | | Tree: <input checked="" type="checkbox"/> | Shrub: <input checked="" type="checkbox"/> | Herb: <u>100%</u> | Vine: <input checked="" type="checkbox"/> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>R. Stemmed Golden Rod</u> | <u>H</u> | <u>FAC</u> | 9. | | |
| 2. <u>Buttercup</u> | <u>H</u> | <u>FAC</u> | 10. | | |
| 3. <u>Cow Vetch</u> | <u>H</u> | <u>UPL</u> | 11. | | |
| 4. <u>Timothy</u> | <u>H</u> | <u>FACU</u> | 12. | | |
| 5. <u>Grass sp</u> | <u>H</u> | <u>-</u> | 13. | | |
| 6. <u>Galium sp</u> | <u>H</u> | | 14. | | |
| 7. <u>Carolina Golden Rod</u> | <u>H</u> | <u>FACU</u> | 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 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 checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>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: 7/11/06
 Community ID: UPLAND
 Plot ID: AL906A-SS2

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

| Profile Description: | | Matrix Color | Mottle Colors | Mottles | Texture, Concretions, |
|----------------------|---------|-----------------|-----------------|-----------------------------|-----------------------|
| Depth | Horizon | (Munsell Moist) | (Munsell Moist) | Abundance/Size/ Contrast | Structure, etc. |
| (Inches) | | | | | |
| 0-10 | A | 10YR2.4/2 | - | - | Silty 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:

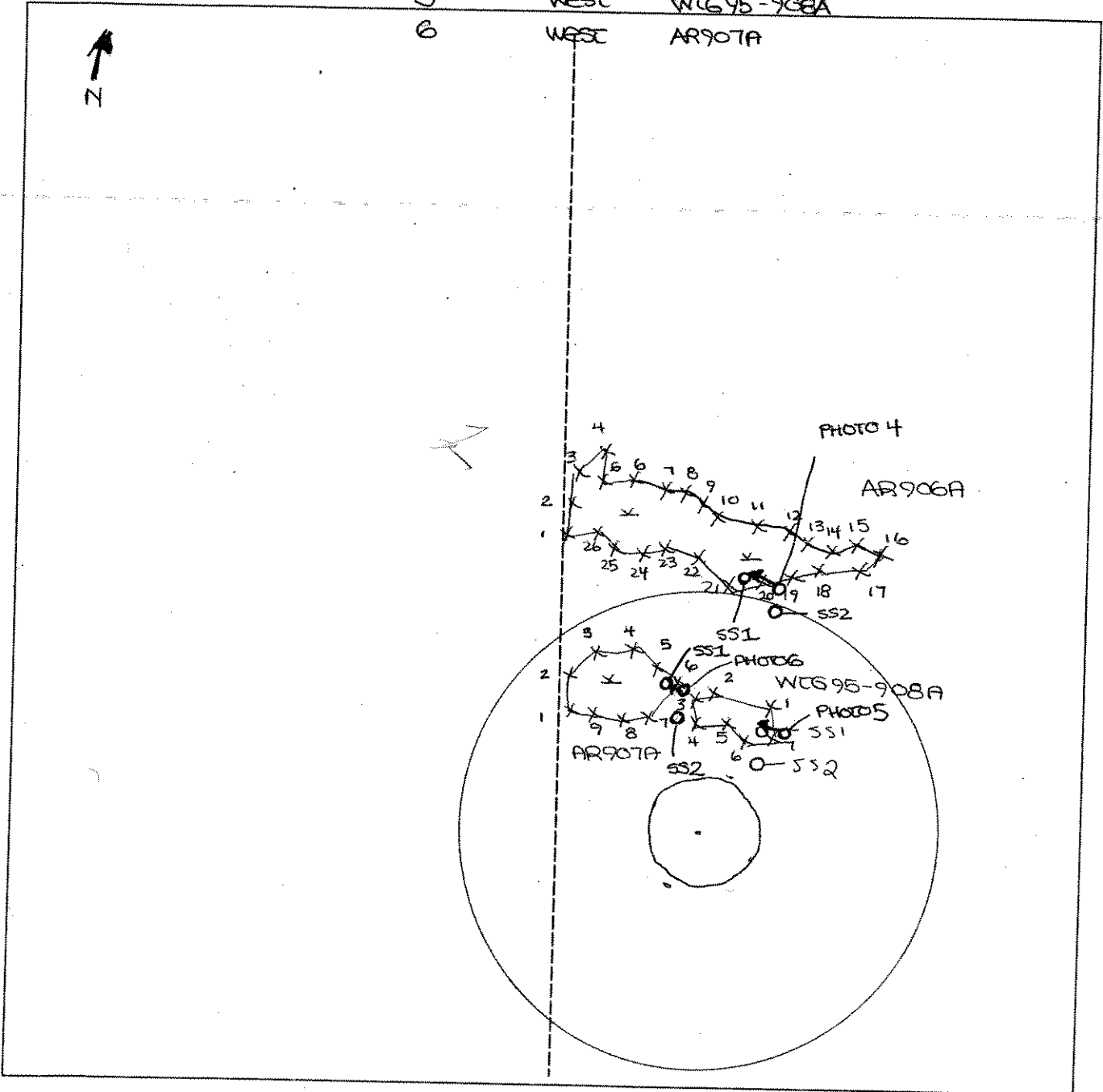
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|---|-------------------------------|--------------|
| Wetland ID/Route #: AR907A / AR906A / WCG95 908A | Date: 07/10/06 | Time: |
| Initials of Delineators: RD SC | Location: MARBLE RIVER | |
| Roll #: Frames: PHOTO 4 FACING WEST AT AR906A | | |



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

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

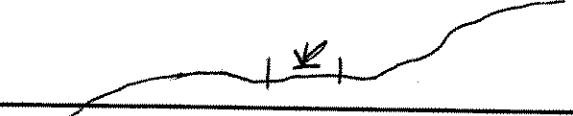
| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RA, SC</u> | Date: <u>7/11/06</u> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.) | Community ID: <u>WCRAN</u> Transect ID: <u>TR 907A-SS1</u> Plot ID: |

VEGETATION

PEN

| Plant Community Classification: | | | | | |
|--|----------|----------------|------------------------|-------------------|----------------|
| Percent Canopy Cover: | | Tree: <u>0</u> | Shrub: <u>0</u> | Herb: <u>100%</u> | Vine: <u>0</u> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>RED TOP</u> | <u>H</u> | <u>FACW</u> | 9. | | |
| 2. <u>J. effusus</u> | <u>H</u> | <u>FACW+</u> | 10. | | |
| 3. <u>C. vulpinaeoides</u> | <u>H</u> | <u>OBL</u> | 11. | | |
| 4. <u>C. scoparia</u> | <u>H</u> | <u>FACW</u> | 12. | | |
| 5. <u>DK sp. bulbosa L</u> | <u>H</u> | <u>OBL</u> | 13. | | |
| 6. <u>Timothy</u> | <u>H</u> | <u>FACU</u> | 14. | | |
| 7. <u>NARROW LEAF GOLDENROD</u> | <u>H</u> | <u>FAC</u> | 15. | | |
| 8. <u>P. lowestem</u> | <u>H</u> | <u>FACW+</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>Silky willow to west</u> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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 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 checked="" 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: <u>DEPRESSURAL AREA ON A PLASTIC</u>  |

Date: 7/11/06
 Community ID: WETLAND
 Plot ID: AR9107A-SSP

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 ₁ | 10YR 4/1 | — | — | SILTY CLAY / DAM |
| 6-12 | A ₂ | 10YR 6/1 | 10YR 4/3 | Few/Fine/Dis | SANDY CLAY / DAM |
| 12-18 | B ₁ | 10YR 4/3 | — | — | CLAY |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|---|
| Hydrophytic Vegetation Present? | 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: RD / SC | Date: 7/11/06 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 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: UPLAND Transect ID: AA907A Plot ID: 562 |

VEGETATION EARLY SUCCESSIONAL FIELD

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. COHOSH | H | FAC U | 9. | | |
| 2. BUTERFLY | H | FAC | 10. | | |
| 3. COW VETCH | H | UPL | 11. | | |
| 4. ROUGH STEW GOLDENROD | H | FAC | 12. | | |
| 5. CANADA GOLDENROD | H | FAC U | 13. | | |
| 6. HADDER | H | UPL | 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 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 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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A | Remarks: |

Date: 07/11/06
 Community ID: UPLAND
 Plot ID: AR907A-SS2

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0 → 8 | A | 10YR 4/2 | — | — | SILTY CLAY LOAM |
| 8 → 18 | B | 10YR 5/2 | 10YR 5/4 | COMMON/MEDIUM/DISTINCT | 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks:

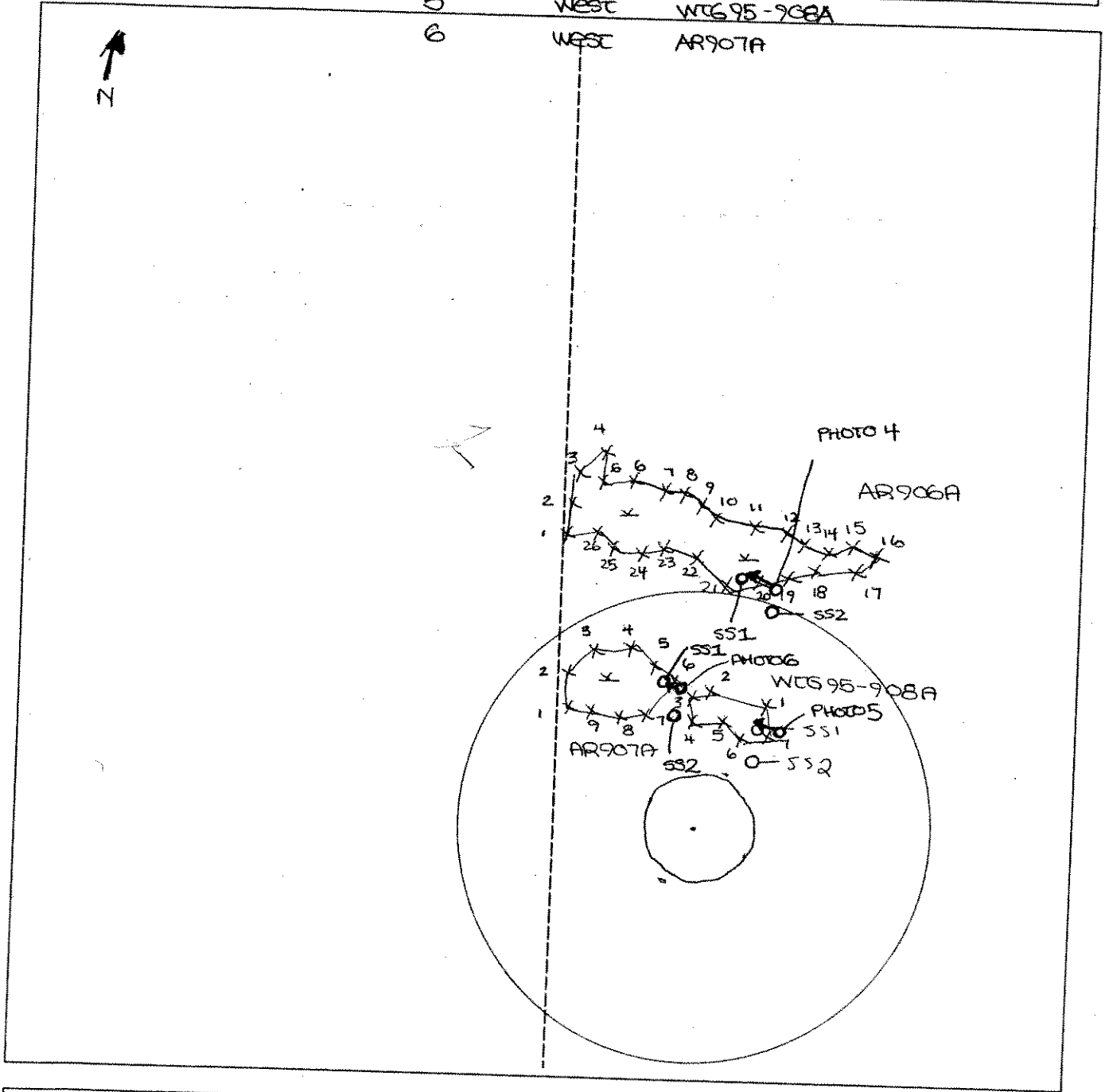
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | | |
|--|---------------------------------------|------------------------|-------|
| Wetland ID/Route #: AR907A / AR906A / WCG95 / 908A | | Date: 07/10/06 | Time: |
| Initials of Delineators: RD SC | | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO 4 FACING WEST AT AR906A | | |



| 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: <i>R.D. SC</i> | Date: <i>7/11/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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>WERAND</i> Transect ID: <i>AR909A</i> Plot ID: <i>SS1</i> | | | | | | | |

VEGETATION

PEM

Plant Community Classification:
Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *95%* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|----------------------------|----------|---------------|------------------------|---------|-----------|
| 1. <i>DK sp. tall rush</i> | <i>H</i> | <i>OBL</i> | 9. | | |
| 2. <i>Juncus effusus</i> | <i>H</i> | <i>FACW +</i> | 10. | | |
| 3. <i>Carex lasiocarpa</i> | <i>H</i> | <i>OBL</i> | 11. | | |
| 4. <i>Rod Top</i> | <i>H</i> | <i>FACW</i> | 12. | | |
| 5. <i>Carex vulpina</i> | <i>H</i> | <i>OBL</i> | 13. | | |
| 6. <i>Timothy</i> | <i>H</i> | <i>FACU</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 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 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 checked="" 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>Photo 7 SSW</i> <i>Depressional Area</i> | |

Date: 7/1/06
 Community ID: WETLANDS
 Plot ID: AR909A-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. |
| 0-6 | A | 10YR 3/2 | — | — | Silt loam |
| 6-10 | B ₁ | 10YR 5/3/5/4 | mix | — | Sandy loam |
| 10-18 | B ₂ | 5Y 5/1 | 10YR 5/4 | com/med / list | Sandy clay loam |
| | | | | | |
| | | | | | |
| | | | | | |
| 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? | Yes | No | Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetlands Hydrology Present? | Yes | No | |
| Hydric Soils Present? | Yes | No | |
| Remarks | | | |

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

| | | | | | | | | | |
|--|--|-----|----|----------------------------------|-----------------------|-----|----|----------------------------------|-----------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BD SC</u> | Date: <u>7/11/06</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%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> </table> | Yes | No | <input checked="" type="radio"/> | <input type="radio"/> | Yes | No | <input checked="" type="radio"/> | <input type="radio"/> |
| Yes | No | | | | | | | | |
| <input checked="" type="radio"/> | <input type="radio"/> | | | | | | | | |
| Yes | No | | | | | | | | |
| <input checked="" type="radio"/> | <input type="radio"/> | | | | | | | | |
| Community ID: <u>UPLand</u> Transect ID: <u>AR909A</u> Plot ID: <u>552</u> | | | | | | | | | |

VEGETATION Early successional (COW PASTURE)

| Plant Community Classification: | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Timothy | H | FACU | | | 9. |
| 2. Buttercup | H | FAC | | | 10. |
| 3. Rye Grass | H | | | | 11. |
| 4. Cowitch | H | UPL | | | 12. |
| 5. Grass sp | H | | | | 13. |
| 6. Wild Mustard | H | UPL | | | 14. |
| 7. White Clover | H | FACU- | | | 15. |
| 8. Dandelion | H | FACU- | | | 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 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: 7/11/06
 Community ID: Upland
 Plot ID: AR909A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-14 | A | 10YR 3/2 | — | — | SILT LOAM |
| 14-18 | B | 10YR 5/2 | — | — | SANDY CLAY LOAM |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

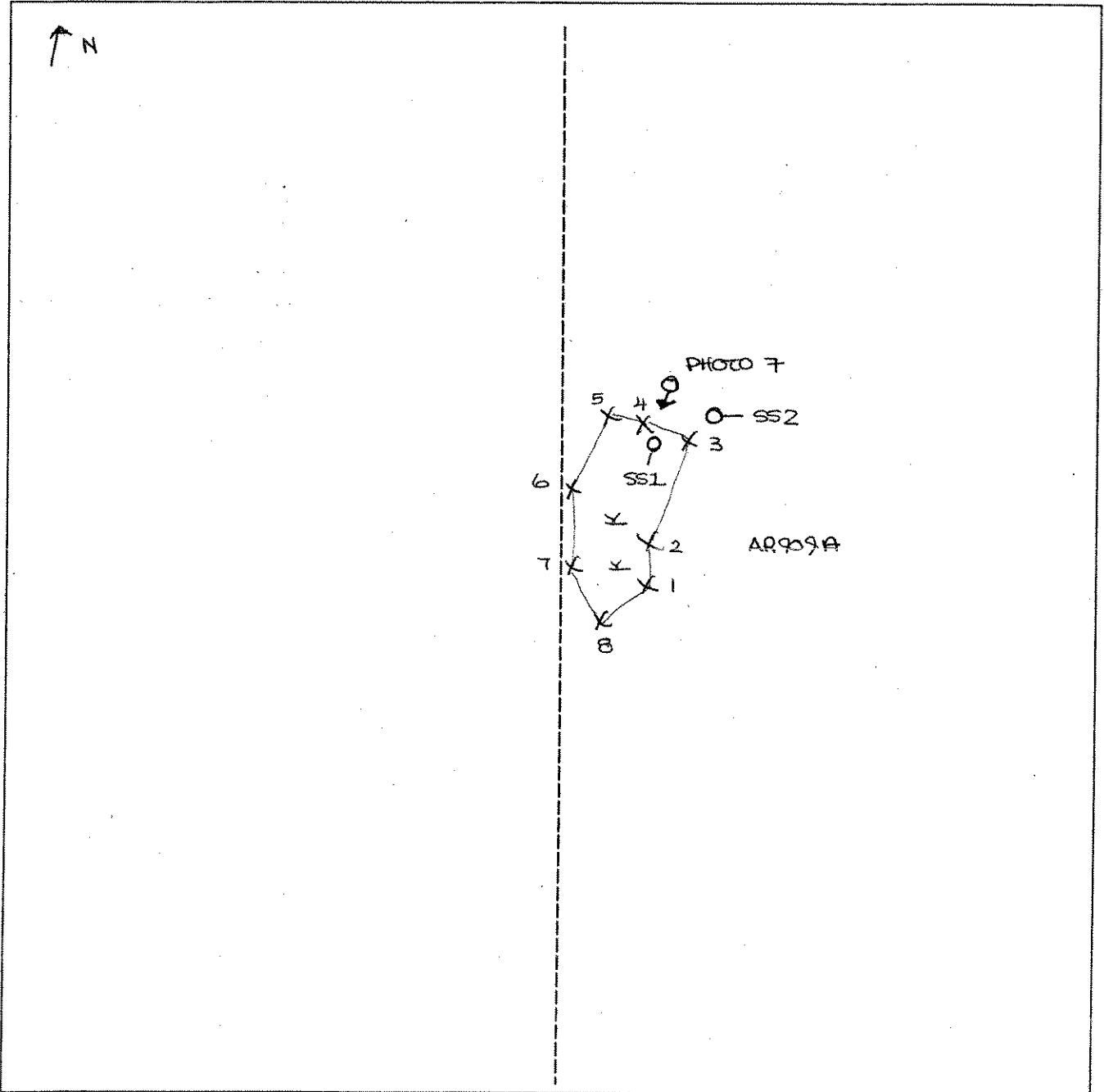
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation 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"/> |
| 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 #: AR909A <small>ACCESS RD TO TURBINE 95 FROM STAR ROAD</small> | Date: 07/11/06 Time: |
| Initials of Delineators: RD / SC | Location: HARBOR RIVER - AR909A |
| Roll #: Frames: PHOTO 7 FACING SSW | |



| <u>Legend</u> | |
|--------------------------|---------------------|
| 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, SC</u> | Date: <u>7/11/06</u> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | <input type="radio"/> Yes | <input checked="" type="radio"/> No | <input type="radio"/> Yes | <input type="radio"/> No |
| <input checked="" type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| <input type="radio"/> Yes | <input checked="" type="radio"/> No | | | | | | |
| <input type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Community ID: <u>WOLAM</u> Transect ID: <u>AR910A</u> Plot ID: <u>SS1</u> | | | | | | | |

VEGETATION

PTO

| Plant Community Classification: Percent Canopy Cover: Tree: <u>85</u> Shrub: <u>5%</u> Herb: <u>60%</u> Vine: <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--------------|------------------------|------------------------|-----------|-----------|---------------------|------------|------------|----|--|--|--------------------------|----------|-------------|-----|--|--|--------------------------|----------|--------------|-----|--|--|----------------------------|----------|------------|-----|--|--|-----------------------|----------|-------------|-----|--|--|----|--|--|-----|--|--|----|--|--|-----|--|--|----|--|--|-----|--|--|
| <table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>Red Maple</u></td> <td><u>T/S</u></td> <td><u>FAC</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>Sensitive Fern</u></td> <td><u>H</u></td> <td><u>FACW</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>C. Intumescens</u></td> <td><u>H</u></td> <td><u>FACW+</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>Interrupted fern</u></td> <td><u>H</u></td> <td><u>FAC</u></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <u>marsh sweet</u></td> <td><u>S</u></td> <td><u>FAC+</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6.</td> <td></td> <td></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table> | 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>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> | 10. | | | 3. <u>C. Intumescens</u> | <u>H</u> | <u>FACW+</u> | 11. | | | 4. <u>Interrupted fern</u> | <u>H</u> | <u>FAC</u> | 12. | | | 5. <u>marsh sweet</u> | <u>S</u> | <u>FAC+</u> | 13. | | | 6. | | | 14. | | | 7. | | | 15. | | | 8. | | | 16. | | |
| 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>Sensitive Fern</u> | <u>H</u> | <u>FACW</u> | 10. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. <u>C. Intumescens</u> | <u>H</u> | <u>FACW+</u> | 11. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. <u>Interrupted fern</u> | <u>H</u> | <u>FAC</u> | 12. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. <u>marsh sweet</u> | <u>S</u> | <u>FAC+</u> | 13. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | | | 14. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | | | 15. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | | | 16. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Remarks:

Red maple forested wetland

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p> | <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input checked="" type="checkbox"/> 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><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p><input checked="" type="checkbox"/> Other (Explain in Remarks)</p> |
| <p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>n/a</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>n/a</u></p> <p>Depth to Saturated Soil (in.): <u>0"</u></p> | |
| Remarks: | |
| <p><u>Addressing</u></p> <p><u>photo 8 => SW from hiker AR910A-5 7/6</u></p> | |

Date: 7/11/06
 Community ID: WETLANDS
 Plot ID: AR910A-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. |
| 0-6 | A | 10YR 3/2 | | | Silty clay sub sand |
| 6-8 | E | 10YR 5/2 | 10YR 3/2 | STREAKING | Sandy clay 10A |
| 8-16 | B ₁ | 10YR 5/3 | 10YR 4/3 | SD/SO mix | Sandy clay |
| 16-18 | B ₂ | 10YR 5/3 | 10YR 4/6 | com/mud/dif | Sandy clay |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|---|
| Hydrophytic Vegetation Present? | 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: <i>RD, SC</i> | Date: <i>7/1/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>Upland</i> Transect ID: <i>AR910A</i> Plot ID: <i>SS2</i> | | | | | | | |

VEGETATION *Upland Decid Forest* ** NTB97A-SS2*

| Plant Community Classification: | | | | | |
|---|------------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>5%</i> Herb: <i>75%</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red maple</i> | <i>T/S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Service berry</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>Wood fern</i> | <i>H</i> | <i>FAC+</i> | 11. | | |
| 4. <i>Canada Lily</i> | <i>H</i> | <i>FAC</i> | 12. | | |
| 5. <i>Interrupted Fern</i> | <i>H</i> | <i>FAC</i> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| 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.): <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: 7/11/06
 Community ID: UPIAD
 Plot ID: AL910A-552

SOILS

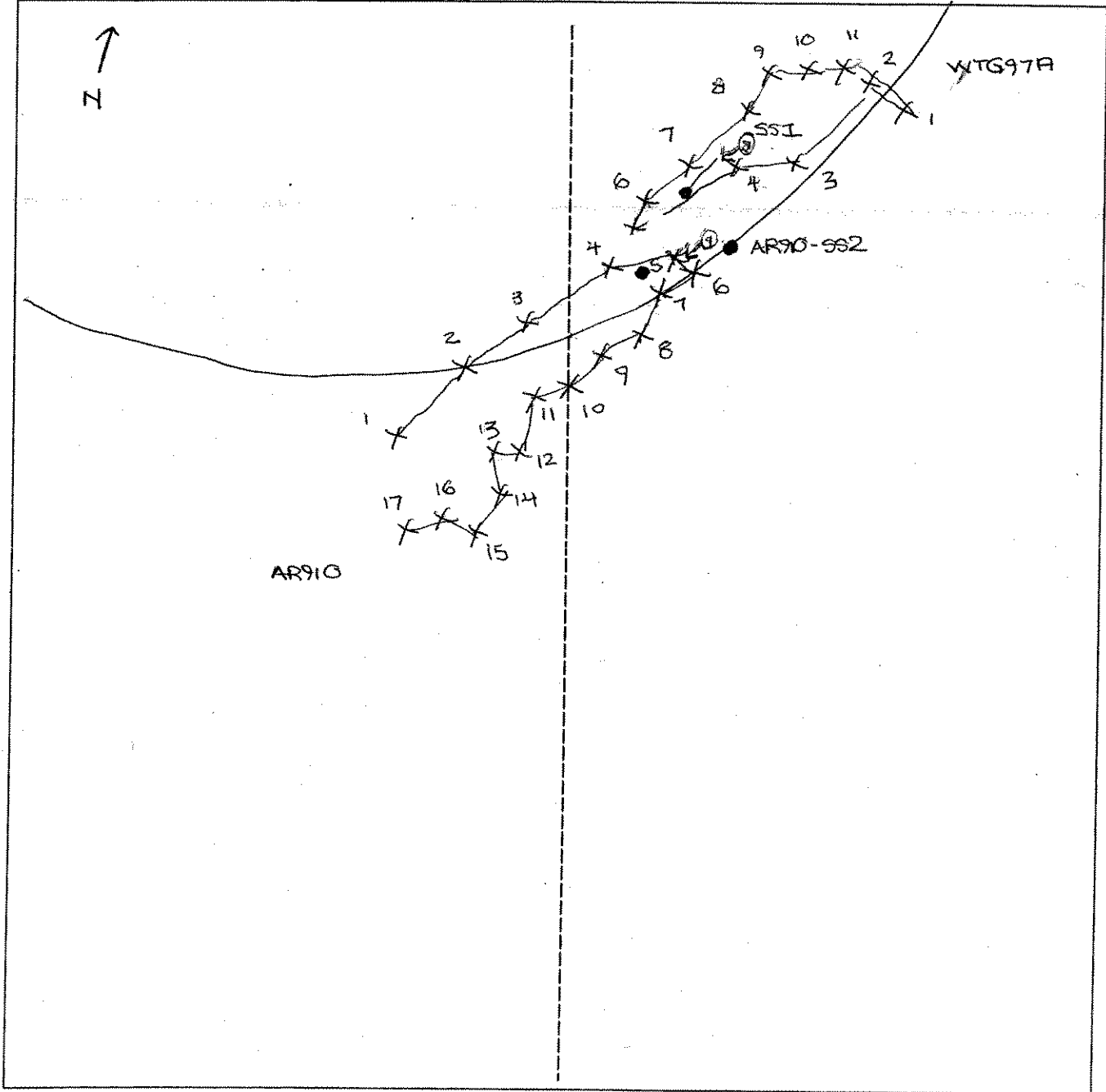
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|----------------|--|----------------------------------|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-7 | A ₁ | 10YR 2/1 | — | — | Silt loam w/deg. cs |
| 2-8 | A ₂ | 10YR 3/1 | — | — | Silt loam |
| 8-18 | B | 10YR 3/2 | — | — | 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 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 | Is this Sample Station Point Within a Wetland? Yes No |
| Wetlands Hydrology Present? | Yes | No | |
| Hydric Soils Present? | Yes | No | |
| Remarks | | | |

SKETCH FORM

| | | | |
|-------------------------------------|--------------------|------------------------|-------|
| Wetland ID/Route #: WCG97A / AR910A | | Date: 07/11/06 | Time: |
| Initials of Delineators: AD / EC | | Location: MARBLE RIVER | |
| Roll #: | Frames: 8 > 9 > | | |



| <u>Legend</u> | | | |
|---------------|--------------------------|--|---------------------|
| | 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: JV AP | Date: 5/6/07 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.) | 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: PSS/PEM Transect ID: Plot ID: AR 917 C SSI | |

VEGETATION

(NEW WETLAND)

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 25 Shrub: 70 Herb: 65 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Alnus rugosa</i> | T | FACW+ | 9. | | |
| 2. <i>A. nigra</i> | S | FACW+ | 10. | | |
| 3. <i>Typha latifolia</i> | H | OBL | 11. | | |
| 4. <i>Sagittaria sp.</i> | H | | 12. | | |
| 5. <i>Sparganium angustifolium</i> | H | FACW | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: cannot find species due to time of year | | | | | |

HYDROLOGY

| | |
|---|---|
| <p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> 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.): 2" +</p> <p>Depth to Free Standing Water in Pit (in.): 0"</p> <p>Depth to Saturated Soil (in.): 0"</p> | |
| <p>Remarks: Plaque Road by section (D) All wetlands. culverts are in place to hydrologically connect areas. Banks of wetland boundary to E + W discharge runoff and groundwater into area.</p> | |

Date: 5/6/07
 Community ID: PSS/perm
 Plot ID: AR917 C-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 ₁ | 7.5YR 2.5/1 | | | silt loam |
| 4-8 | A ₂ | 2.5Y 4/3 | 5Y 5/4 | fine/few/distinct | silt loam |
| 8-10 | B | 5Y 5/2 | | | 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:

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: DEC wetland Photo 5 = S | | |

**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>5/7/07</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>AB917 C S52</u> |

VEGETATION

| Plant Community Classification: <u>Roadside of Saginaw</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 | Stratum | Indicator |
| 1. <u>Bedstraw</u> | <u>H</u> | <u>FACU</u> | 9. | | |
| 2. <u>Ranunculus sp.</u> | <u>H</u> | <u>—</u> | 10. | | |
| 3. <u>Taraxacum officinale</u> | <u>H</u> | <u>FACU</u> | 11. | | |
| 4. <u>Fragaria virginiana</u> | <u>H</u> | <u>FACU</u> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input 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: 5/7/07
 Community ID:
 Plot ID: AR917 C 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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | | 10YR 3/2 | | | sandy loam |
| 6-12 | | 10YR 3/3 | | | sandy loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: Soils are comprised of fill and gravel.
 Top 6" ~50' roots.

WETLAND DETERMINATION

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

Remarks

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|--------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i> | Date: <i>7/13/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1011A1B</i> <i>SS1</i> | | | | | | | |

VEGETATION *P5D Deciduous*

| Plant Community Classification: | | | | | |
|--|------------|-----------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>70%</i> Shrub: <i>35%</i> Herb: <i>60%</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>BALTIMOR Fir</i> | <i>TIS</i> | <i>TAL</i> | 9. | | |
| 2. <i>RED maple</i> | <i>TIS</i> | <i>H FAC</i> | 10. | | |
| 3. <i>Yellow birch</i> | <i>T</i> | <i>FAC</i> | 11. | | |
| 4. <i>SPRAG map</i> | <i>H</i> | <i>OBI</i> | 12. | | |
| 5. <i>CLB map</i> | <i>H</i> | <i>TAL</i> | 13. | | |
| 6. <i>Whorled wood Ash</i> | <i>H</i> | <i>*OBI LPL</i> | 14. | | |
| 7. <i>IR. Tuckey</i> | <i>S</i> | <i>FACU-</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>VEG in</i> | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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 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>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>Attempted at 3 locations Refusal of Auger at 14-16" - no water in pit Spec saturated at 9-15"</i> |

Date: 7/13/06
 Community ID: W22AD
 Plot ID: 2C1011A/B-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 | A | 10YR 2/1 | - | - | Silt/clay w/ dk/Anis |
| 3-9 | R ₁ | 10YR 5/2 | 10YR 3/6 | com / coarse / dk | sandy clay → clay |
| 9-15 | B ₂ | 7.5YR 4/2 | 10YR 4/4 | mod / coarse / dk | 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? | Yes No | Is this Sample Station Point Within a Wetland? Yes No |
| Wetlands Hydrology Present? | Yes No | |
| Hydric Soils Present? | Yes No | |
| Remarks | W22AD extension of AR925 | |
| photo 10 → W for AR925B-5 | | |

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BD, SC</i> | Date: <i>7/3/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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 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> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | <input 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 type="radio"/> No | | | | | | |
| <input type="radio"/> Yes | <input checked="" type="radio"/> No | | | | | | |
| Community ID: <i>UPLAND</i> Transect ID: <i>IC 1044 A1B</i> Plot ID: <i>552</i> | | | | | | | |

VEGETATION

uplands decid/Conifer mix

| Plant Community Classification: | | | | | |
|---|------------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>45%</i> Herb: <i>70%</i> Vine: <input checked="" type="checkbox"/> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>UPLAND TA</i> | <i>T/S</i> | <i>FAC</i> | | | |
| 2. <i>RED WOOD</i> | <i>T/S</i> | <i>FAC</i> | | | |
| 3. <i>WOOD PINE</i> | <i>H</i> | <i>FAC+</i> | | | |
| 4. <i>RAVEN TREE</i> | <i>H</i> | <i>FAC U</i> | | | |
| 5. <i>TRILLIUM-CLUBMOS</i> | <i>H</i> | <i>FAC U</i> | | | |
| 6. <i>Canada Lily</i> | <i>H</i> | <i>FAC-</i> | | | |
| 7. <i>Arrow Birch</i> | <i>S</i> | <i>FAC U</i> | | | |
| 8. <i>Aspen</i> | <i>T</i> | <i>FAC U</i> | | | |

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

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):

Stream, Lake, or Tide Gauge

Aerial Photographs

Other

No Recorded Data Available

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*

- Wetland Hydrology Indicators:
- 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)

Remarks:

Date: 7/13/06
 Community ID: Upland
 Plot ID: IC1011A/B-SS2

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, Structure, etc. |
|----------------------|---------|-----------------|-----------------|-------------------------|---------------------------------------|
| Depth (Inches) | Horizon | (Munsell Moist) | (Munsell Moist) | Abundance/Size/Contrast | |
| 0-2 | O | | | | 100% litter |
| 2-4 | A | 7.5YR 4/2 | | | sandy tan |
| 4-12 | B | 7.5YR 4/6 | 7.5YR 3/2 | 50/50 mix | silty clay, tan |
| | | | | | |
| | | | | | |

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 | 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: <i>ADJ, SC</i> | Date: <i>7/13/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table> | Yes | No | Yes | No | Yes | No |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Community ID: <i>Wetland</i> Transect ID: <i>IC1011C/D</i> Plot ID: <i>SSI</i> | | | | | | | |

VEGETATION

PFO Pond w/ scattered conifers

| Plant Community Classification: | | | | | |
|--|------------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>70%</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>Red Maple</i> | <i>T/S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Sphagnum</i> | <i>H</i> | <i>OBL</i> | 10. | | |
| 3. <i>Wood Fern</i> | <i>H</i> | <i>FAC</i> | 11. | | |
| 4. <i>Maianthemum</i> | <i>S</i> | <i>FAC</i> | 12. | | |
| 5. <i>Balsam Poplar</i> | <i>T/S</i> | <i>FAC</i> | 13. | | |
| 6. <i>White Birch</i> | <i>H</i> | <i>UPL *</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 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 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>n/A</i> Depth to Free Standing Water in Pit (in.): <i>14"</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: <i>Surface water SW -> NE</i> <i>photo 11 -> E at SSI for AR925B-1</i> | |

Date: 7/13/06
 Community ID: WCLAD
 Plot ID: IC1011C/D-SS1

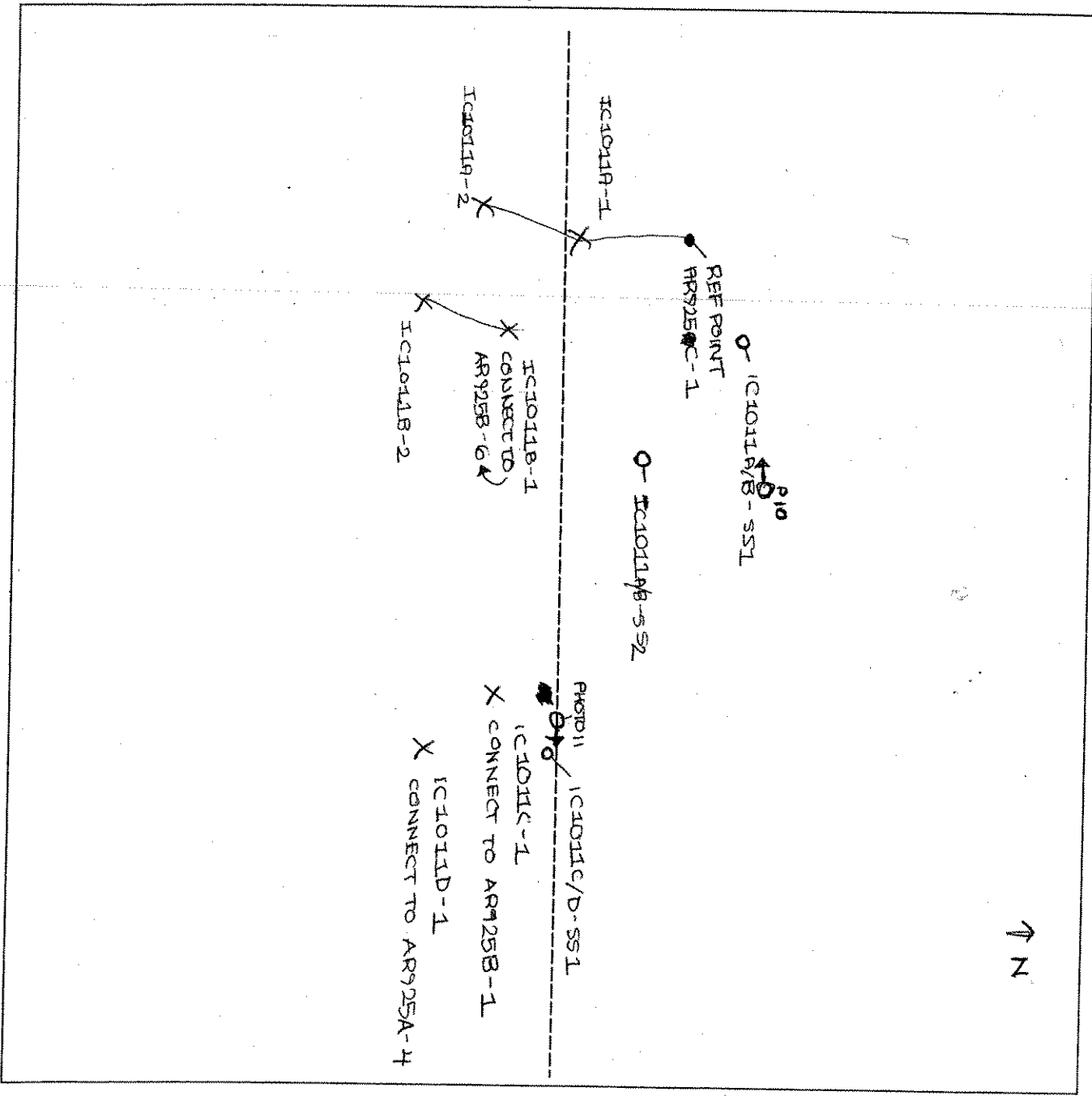
SOILS

| 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. |
| 0-4 | O | | | | SPHAG ORGANIC |
| 4-10 | A | 10YR 3/2 | | | Silty clay loam |
| 10-18 | B | 7.5YR 5/1 | 7.5YR 5/8 | (Common) / 90% | CLAY |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | | |
|---|-----|----|---|
| Hydrophytic Vegetation Present? | Yes | No | Is this Sample Station Point Within a Wetland? Yes No |
| Wetlands Hydrology Present? | Yes | No | |
| Hydric Soils Present? | Yes | No | |
| Remarks Adjacent uplands comparable to IC1011 A/B-SS2 | | | |

| | | |
|---|--|-------|
| Wetland ID/Route #: AR925-A/B/C, IC IC1011A/B/C/D LINE EXTENSION | Date: 7/13/08 | Time: |
| Intials of Delineators: RD / SC | Location: MAPLE RIVER | |
| Roll #: | Frames: PHOTO 10 FACING W AT AR925B-5 IC FACING E | |



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

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

LINE EXTENSION

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/3/07</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>PF01/4</u> Transect ID: Plot ID: <u>AR026A551</u> | | | | | | | |

VEGETATION

| Plant Community/Classification: <u>FIR FOREST</u> | | | | | |
|---|----------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>10</u> Herb: <u>60</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Abies Balsamae</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>A. balsamae</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Erythronium americanum</u> | <u>H</u> | <u>FAC</u> | 12. | | |
| 5. <u>Athyrium filix-femina</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Sphagnum moss</u> | <u>M</u> | <u>OBL</u> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</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> |
| 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>0"</u> | |
| Remarks: | |

Date: 5/3/07
 Community ID: RFO 1/4
 Plot ID: AR926 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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-3 | B | 10YR 2/1 | | | Silty clay loam |
| 3-10 | A | 10YR 2/1 | 5YR 5/8 | Few/fine/obscure | Silty 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: high OM in upper 6"

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

Photo 4 => N

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JN AP</u> | Date: <u>5/2/07</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>UPL</u> Transect ID: Plot ID: <u>AR926 A 882</u> |

VEGETATION

EXT

| Plant Community Classification: <u>Early Successional Forest</u> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>25</u> Herb: <u>60</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Abies balsamea</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Asplenium platyneuron</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>A. balsamea</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Lycopodium complanatum</u> | <u>H</u> | <u>FACU-</u> | 12. | | |
| 5. <u>Athyrium filix-femina</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Erythronium americanum</u> | <u>H</u> | <u>FAC</u> | 14. | | |
| 7. <u>Lycopodium obscurum</u> | <u>H</u> | <u>FACU</u> | 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 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: 5/3/07
 Community ID: UPL
 Plot ID: AR026 A 552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-12 | O | 10YR 2/1 | | | ORGANICS |
| 2-10 | A | 7.5YR 5/2 | 5YR 5/0 | Few fine faint | 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: Refusal @ 10"

WETLAND DETERMINATION

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

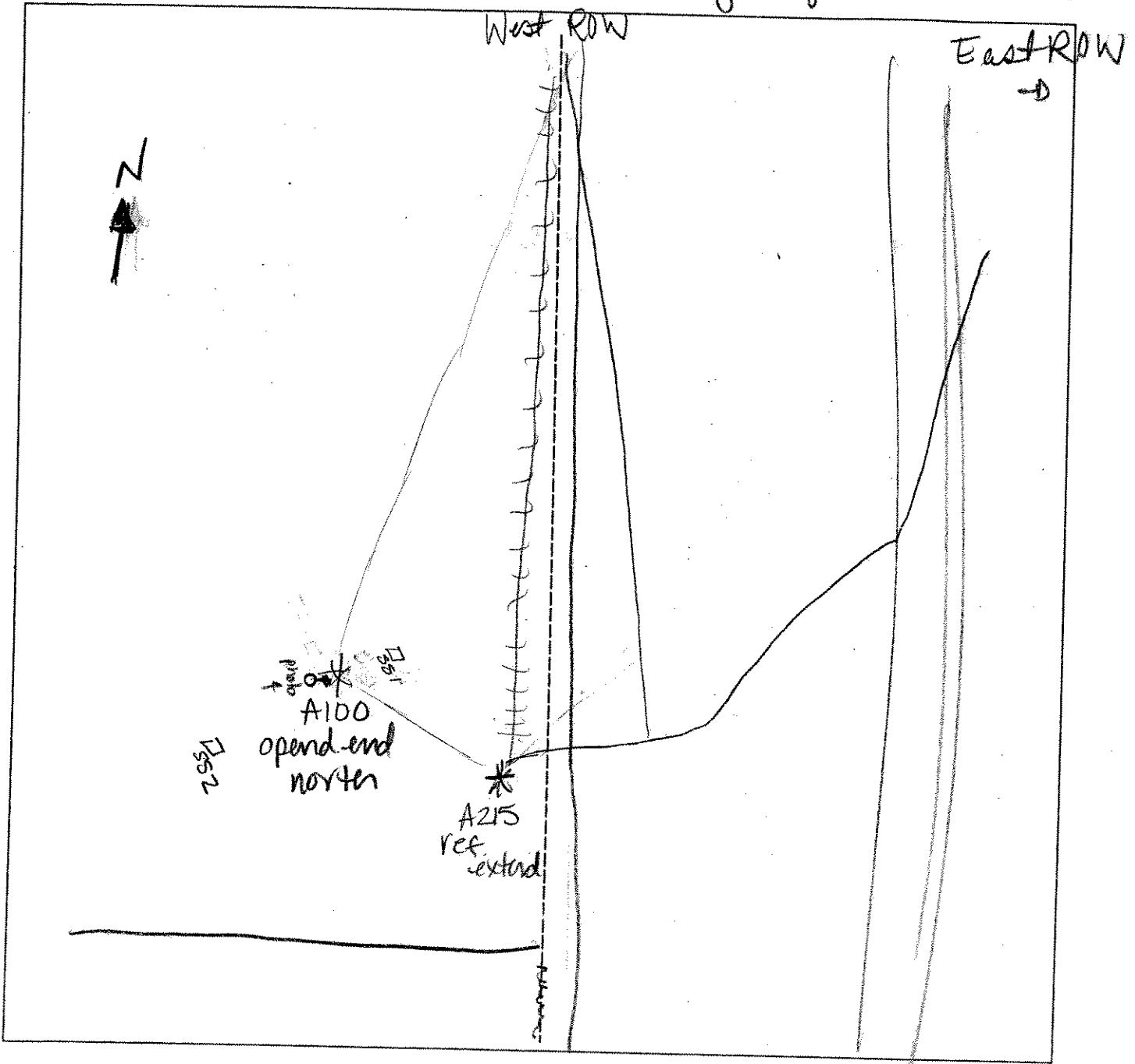
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

| | | | |
|--|---|-------------------------|-------|
| Wetland ID/Route #: AR926A EXT | | Date: 3 May 07 | Time: |
| Initials of Delineators: JV: AP | | Location: AR926A | |
| Roll #: | Frames: photo 4 by A100 open end facing East | | |

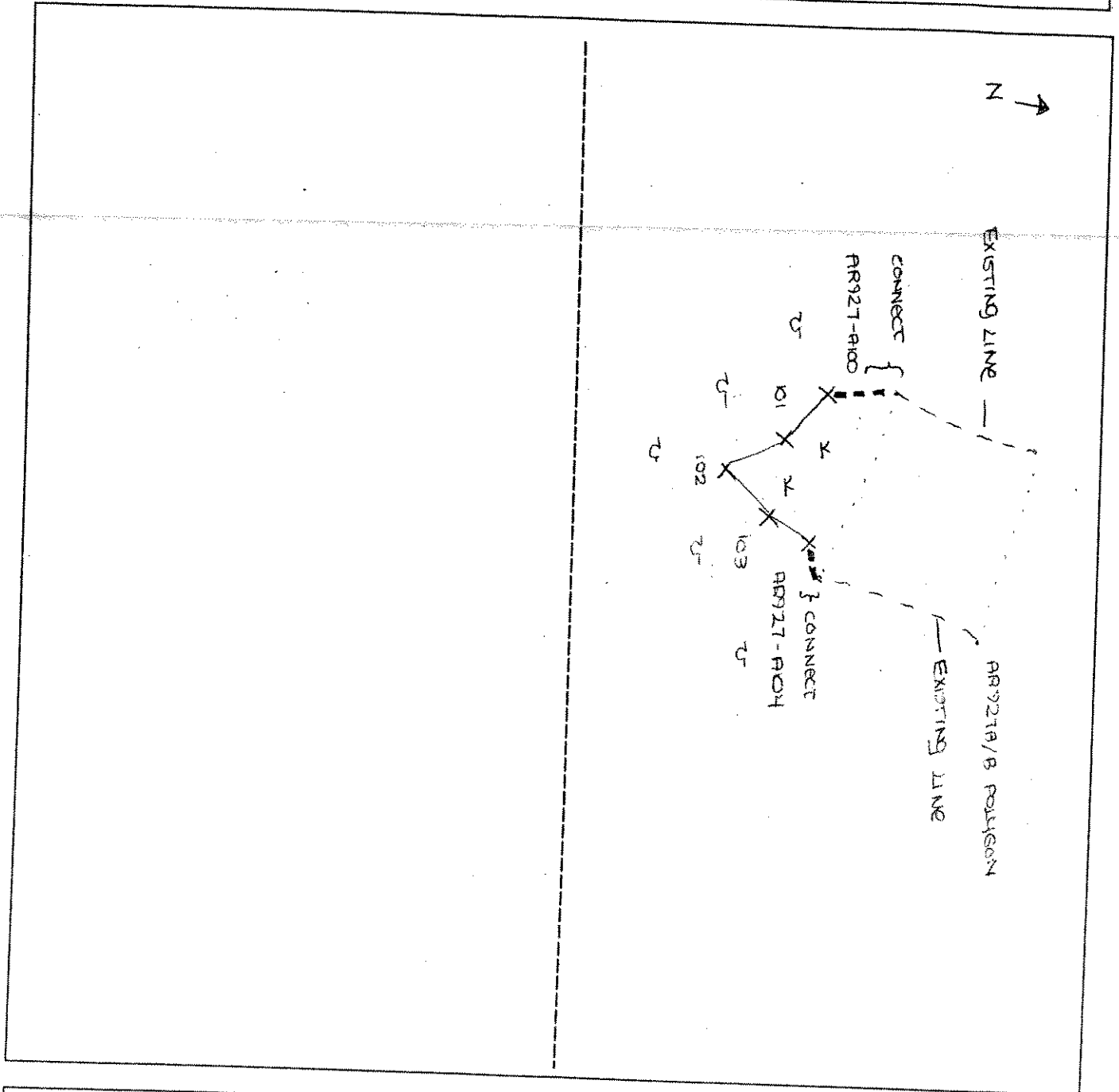


| Legend | |
|--------|--------------------------|
| | Photo Location/Direction |
| | Sample Station |
| | Centerline |
| | Flag |
| | Wetland |
| | Upland |
| | Stream |
| | Intermittent Stream |

Line extension

SKETCH FORM

| | | |
|--|------------------------|-------|
| Wetland ID/Route #: AR927A/B (LINE EXTENSION) | Date: 8/19/06 | Time: |
| Initials of Delineators: JY / SM / SC | Location: MARBLE RIVER | |
| Roll #: | Frames: | |



Legend

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

Shared Plot w/ AR 939 A/B
Wetland 801 A

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/18/08 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: PFB/PEM/PSE Transect ID: Plot ID: AR 939 A - Series 801 |

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 20.5 Herb: 20.5 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red Maple | 1 | Tree | | | |
| 2. Gray Birch | 2 | Tree | | | |
| 3. Blk Spruce | 3 | Tree | | | |
| 4. Blk Spruce | 4 | Shrub | | | |
| 5. Winterberry | 5 | Shrub | | | |
| 6. Red Raspberry | | Herb | | | |
| 7. Common Fern | 6 | Herb | | | |
| 8. Carex Canadensis | 7 | Herb | | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $7/8 = 87.5\%$

Remarks:

HYDROLOGY

| | |
|---|---|
| <p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> |
| <p>Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): > 14 Depth to Saturated Soil (in.): > 14</p> | <p>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)</p> |
| <p>Remarks:</p> | |

Date: 7/18/06
 Community ID: P50/P480/P62
 Plot ID:
 02 939 Agave Wetland

SOILS

Map Unit Name (Series and Phase): *N/A*
 Taxonomy (SubGroup): *N/A*
 Drainage Class: *UPD*
 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 | <i>Dp</i> | <i>10YR 3/1</i> | <i>None</i> | <i>None</i> | <i>FCB</i> |
| 10-14 | <i>Bw₁</i> | <i>10YR 5/2</i> | <i>10YR 6/5</i> | <i>Few/med/Dom.</i> | <i>SL</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 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
Wetland roadside / boundary well defined by slope.

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

02 939 AB
 Upland/Road bed
 Shared Data pt.
 85-2

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/18/06 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.) | <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 checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><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: Road Bed Transect ID: Plot ID: 85-2-Upland | | | | | | | |

02 939

VEGETATION

Plant Community Classification: *Unvegetated Road bed*

Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. / | | | 9. | | |
| 2. / | | | 10. | | |
| 3. / | | | 11. | | |
| 4. / | | | 12. | | |
| 5. / | | | 13. | | |
| 6. / | | | 14. | | |
| 7. / | | | 15. | | |
| 8. / | | | 16. | | |

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

Remarks: *Unvegetated road bed w/ red maple, spruce, fir, apple overstory*

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>0</i> Depth to Free Standing Water in Pit (in.): <i>>12"</i> Depth to Saturated Soil (in.): <i>>12"</i> | |
| Remarks: | |

Date: 7/18/06
 Community ID: Road bed
 Plot ID: DR 939 - Upland 88-2

SOILS

| | |
|--|--|
| Map Unit Name (Series and Phase): U/A Taxonomy (SubGroup): w/m | Drainage Class: IWD 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" | Fill | 10YR 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:
 Road fill no redox features

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

Shared Data Plot w/ AR 939 ALB wetland 8013

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/18/06 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/PSS/PBW Transect ID: Plot ID: AR 939-801 |

VEGETATION

D.G-B10 Bgemo

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 100% Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red maple | Tree | FAC | 9. | | |
| 2. Poplar | Tree | FACU | 10. | | |
| 3. Grey birch | Tree | FAC | 11. | | |
| 4. Sensitive fern | Tree | FACU | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/4 - 75%

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 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.): 0 Depth to Free Standing Water in Pit (in.): > 15" Depth to Saturated Soil (in.): > 15" | |
| Remarks: | |

Date: 7/18/06
 Community ID: PEO/P66/P6W
 Plot ID:
 02939-881-BF6m3

SOILS

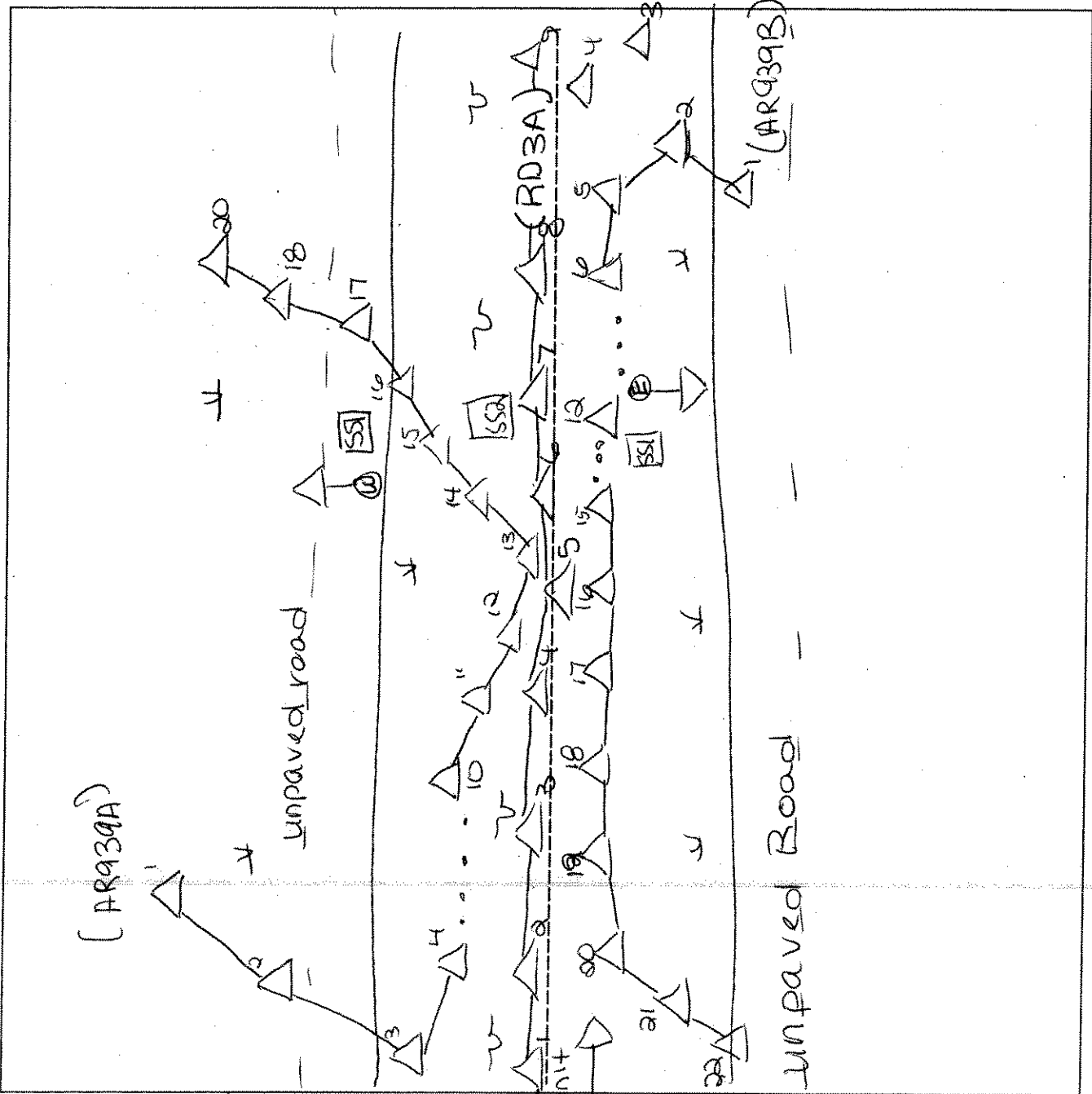
| Map Unit Name (Series and Phase): N/A | | Drainage Class: VPB | | | |
|---|---------|---|--|--|--|
| Taxonomy (SubGroup): N/A | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-10 | Ap | 10YR2.3/1 | 10YR 6/8 | None | SL |
| 10-15" | Bw1 | 10YR 5/2 | | Fine/med/Dist | 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 checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|----|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes | 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 | | | |

SKETCH FORM

| | | |
|--|---|--------------------------|
| Wetland ID/Route #: AR 999 A/B + RD3A | Date: 7.18.06 | Time: |
| Initials of Delineators: BR | Location: Access road between turbines 13 + 19 | |
| Roll #: 108 | Frames: 939A => W, 939B => E, RD3A => N | 109 110 |



Legend

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

LINE EXTENSION

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

| | | | | | | | |
|--|---|-----|----|-----|----|-----|----|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/8/07 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</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table> | Yes | No | Yes | No | Yes | No |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Community ID: PFO4 Transect ID: Plot ID: AR939 B SSI | | | | | | | |

VEGETATION

Plant Community Classification: Cedar Swamp

Percent Canopy Cover: Tree: 80 Shrub: 15 Herb: 20 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------------|---------|-----------|-------------------------------|---------|-----------|
| 1. NW Cedar | T | FACW | 9. Marsh Marigold | H | OBL |
| 2. <i>Abies balsamea</i> | T | FAC | 10. <i>Onoclea sensibilis</i> | H | FACW |
| 3. <i>Picea mariana</i> | T | FACW- | 11. | | |
| 4. <i>A. balsamea</i> | S | FAC | 12. | | |
| 5. <i>Pteris</i> sp | M | - | 13. | | |
| 6. <i>Carex</i> sp | H | - | 14. | | |
| 7. <i>Mnium</i> <i>Canadensis</i> | H | FAC | 15. | | |
| 8. <i>Sphagnum</i> moss 20" | H | OBL | 16. | | |

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

Remarks: *Acer rubrum* observed outside sample station <5% abundance.
 Can not i.d. species 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 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 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.): 1" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 5/8/07
 Community ID: AR 939-B
 Plot ID: 281

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 | | | |
| 1-14 | A | 10YR 2/2 | | | Silt loam |
| 14-17 | B | 10YR 3/2 | 5Y 5/2 | few, faint, mod. | 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: ORC² in A; B, organic streaking in B

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 5 = E of DEC WL
 Area has been logged.

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/8/07 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;"><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: UPL Transect ID: Plot ID: AR939 B SSA | | | | | | | |

VEGETATION

| Plant Community Classification: Spruce/Fir mix | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 50 Shrub: <5 Herb: 20 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Abies balsamea</i> | T | FAC | 9. | | |
| 2. <i>Betula alleghemensis</i> | T | FAC | 10. | | |
| 3. <i>Picea mariana</i> | T | FACW | 11. | | |
| 4. <i>Abies balsamea</i> | H | FACU | 12. | | |
| 5. <i>Maianthemum canadensis</i> | H | FAC | 13. | | |
| 6. <i>Aster sp.</i> | H | — | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50% | | | | | |
| Remarks: *possibly <i>Aster acuminatus</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: NA Primary Indicators: <input type="checkbox"/> Inundated <input 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: NA Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/8/07
 Community ID: AR 939 B
 Plot ID: 552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-3 | O | 10YR 2/2 | | | |
| 3-9 | A | 10YR 2/1 | 10YR 5/6 | few distinct, fine | clay loam |
| 9-12 | B | 10YR 6/8 | 10YR 6/3 | prom., many, m.d. | 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 B

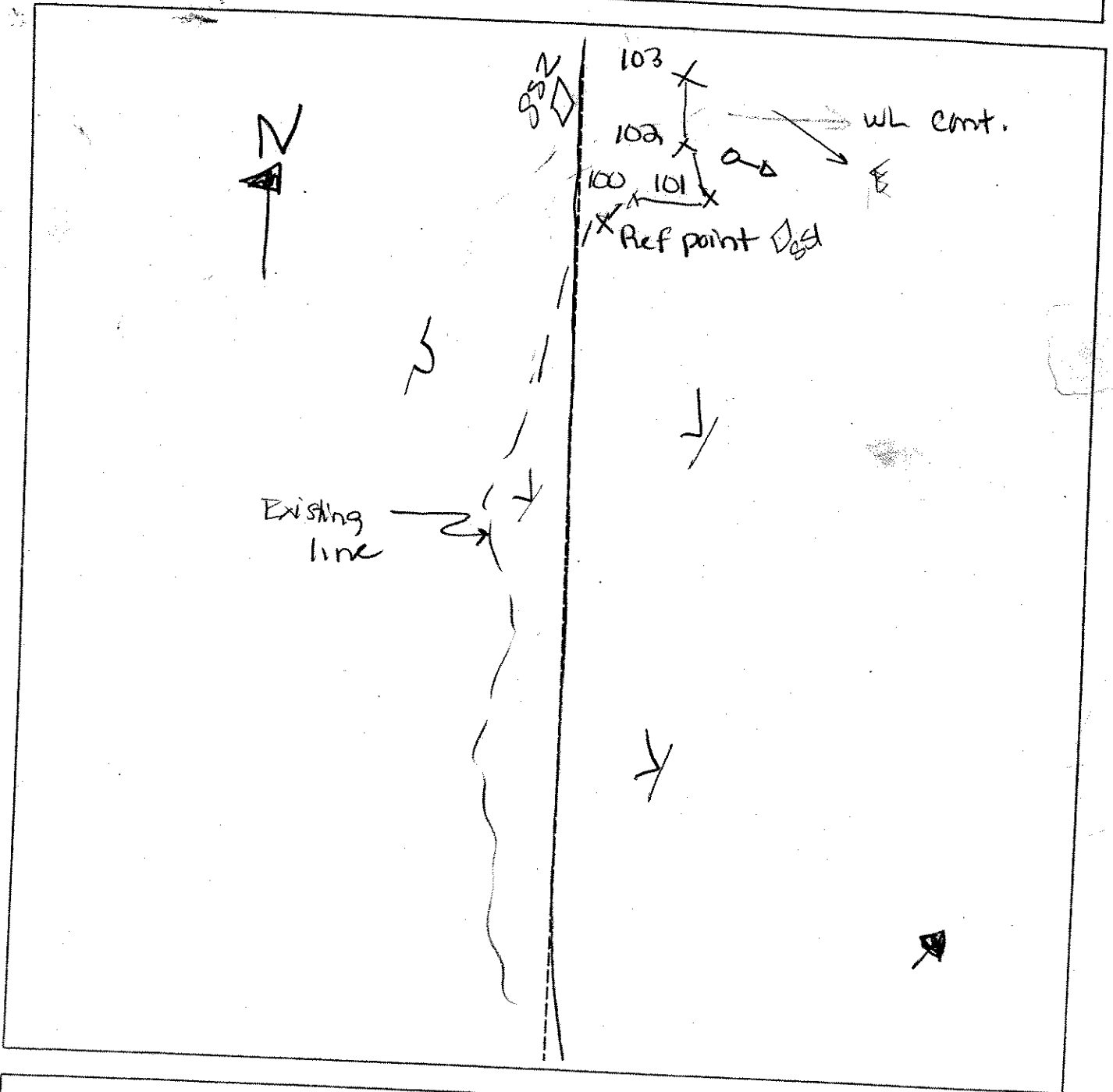
WETLAND DETERMINATION

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

Remarks: Area has been logged, Auto are present within WL / UPL transition. Definite seep into WL to E.

SKETCH FORM

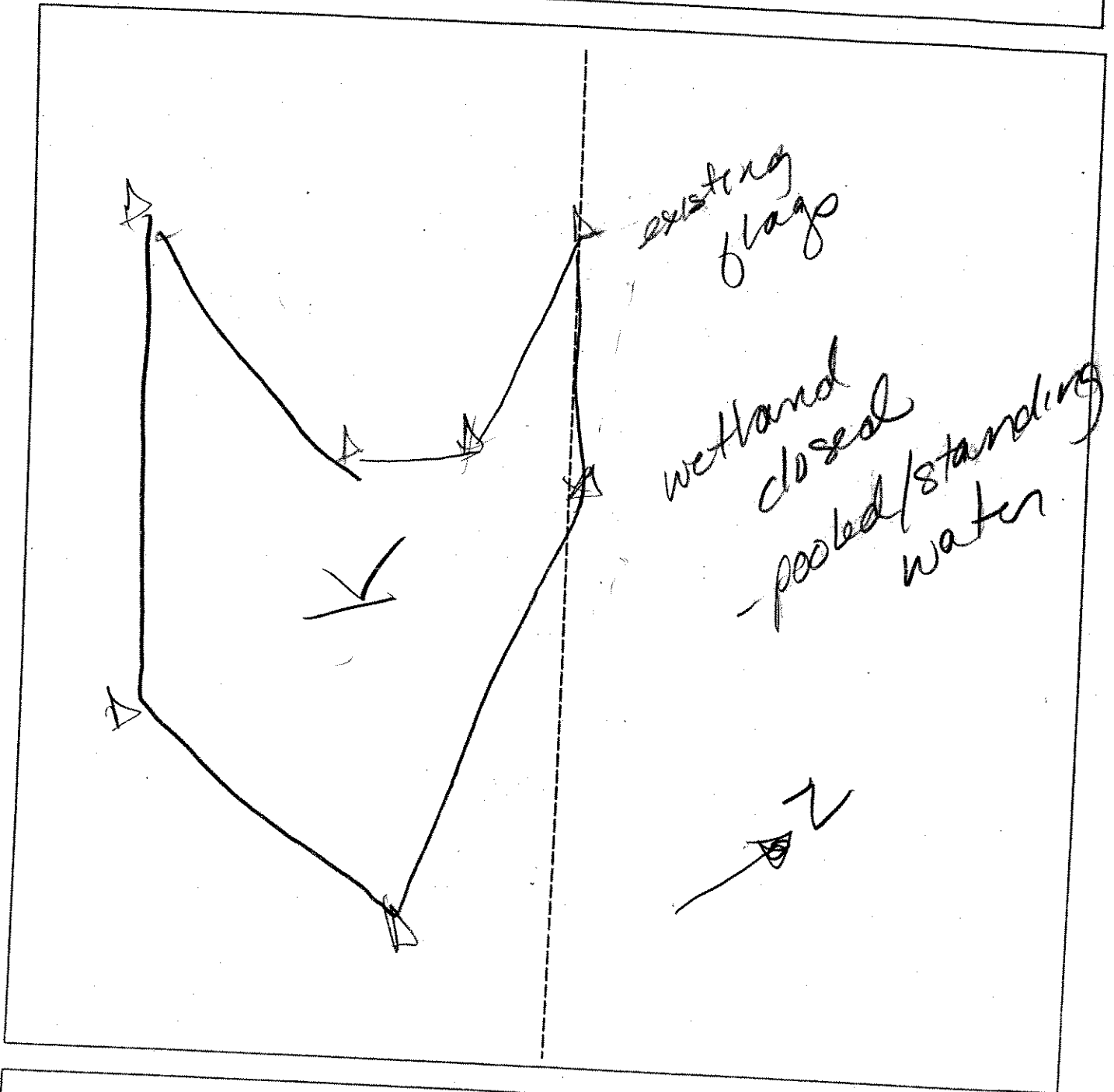
| | | |
|--|-------------------------------------|--------------|
| Wetland ID/Route #: AR939B EXT | Date: 5/8/07 | Time: |
| Initials of Delineators: JV / AP | Location: OFF Frontier Rd | |
| Roll #: | Frames: 5 = E | |



| Legend | |
|--------|--------------------------|
| ○ ↗ | Photo Location/Direction |
| □ | Sample Station |
| --- | Centerline |
| ▷ | Flag |
| X | Wetland |
| U | Upland |
| — | Stream |
| - - - | Intermittent Stream |

SKETCH FORM

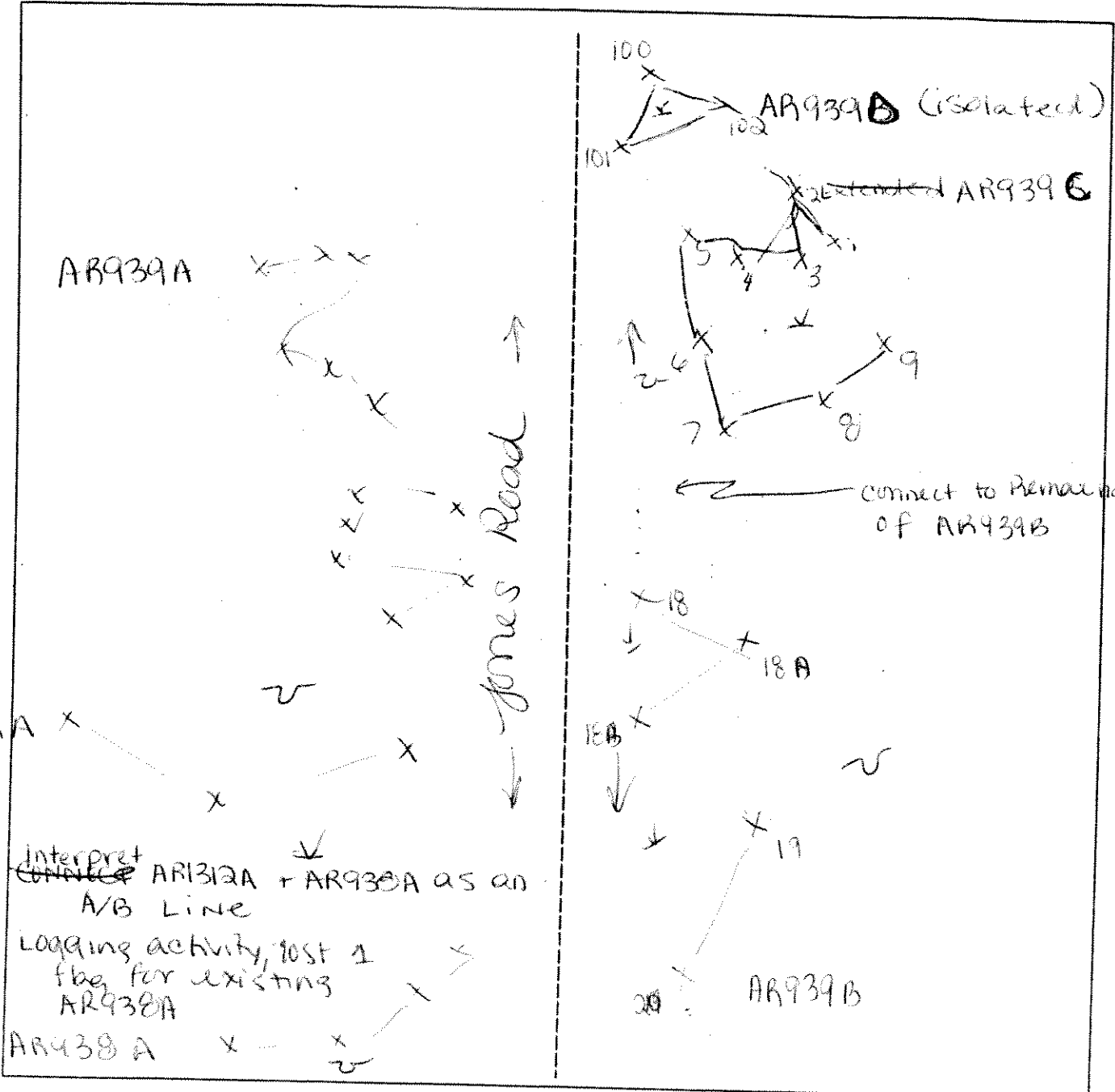
| | | | |
|---|---------|------------------------------|-------|
| Wetland ID/Route #: AB939 C LINE EXTENSION | | Date: 8 May 07 | Time: |
| Initials of Delineators: JV ; AP | | Location: Frontier Rd | |
| Roll #: | Frames: | | |



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

SKETCH FORM

| | | | |
|--|---------|----------------------|------------|
| Wetland ID/Route #: AR939A AR1312A + AR939B C/D | | Date: 10/13/06 | Time: 1600 |
| Initials of Delineators: IB JV | | Location: AR 10 + 13 | |
| 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)**

Wetland A2940
Shared Data Pt. w/ A2B line

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/16/02 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: FFO Dist Transect ID: Plot ID: DG 940-A1 881 |

VEGETATION

* Recently logged forest

| Plant Community Classification: | | | | | |
|---|---|---------|-----------|------------------------|--|
| Percent Canopy Cover: Tree: 20.5 Shrub: 10.5 Herb: 63 Vine: 0 | | | | | |
| Dominant Plant Species | | Stratum | Indicator | Dominant Plant Species | |
| 1. Red Maple | 1 | Tree | FAC | 9. | |
| 2. Baldpate Fir | 2 | Tree | FAC | 10. | |
| 3. Shining Clubmoss | 2 | Herb | FPCW | 11. | |
| 4. Tree Clubmoss | | Herb | FACU | 12. | |
| 5. | | | | 13. | |
| 6. | | | | 14. | |
| 7. | | | | 15. | |
| 8. | | | | 16. | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/4 = 75 | | | | | |
| Remarks: * Recently logged | | | | | |

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 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.): 0 Depth to Free Standing Water in Pit (in.): > 12 Depth to Saturated Soil (in.): > 12 | |
| Remarks: Poorly drained, shallow sward area | |

Wetland

Date: 7/18/06

Community ID:

Plot ID: 250 Disturbed

DB 094D A1-551

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. |
|--|-----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-8 | Ab | 10YR 3/1 | None | None | FSL |
| 8-16 | Bw ₁ | 2.5Y 5/2 | 2.5Y 5/6 | Ext, red, faint | FSL |
| | | | | | |
| | | | | | |
| | | | | | |

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

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

A-series - Upland

AR 940
 Shared Data Pt. W/P 28

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/18/06 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: PFO - Disturbed Transect ID: Plot ID: SS-2 | |

VEGETATION

Recently logging activity, UG AR 940 - Series-6

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 38.0 Herb: 38.0 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|------------|------------------------|---------|-----------|
| 1. Red Maple | 1 | Tree FAC | 9. | | |
| 2. Balsam Fir | 2 | Tree FAC | 10. | | |
| 3. Sugar Maple | | Tree FACU | 11. | | |
| 4. New York Fern | 3 | Herb FAC | 12. | | |
| 5. May Flower | | Herb FAC = | 13. | | |
| 6. Balsam Fir | " | Shrub FAC | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/6 = 66%

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.): 0 Depth to Free Standing Water in Pit (in.): >12" Depth to Saturated Soil (in.): >12" | |
| Remarks: | |

Upland

Date: 7/18/06
Community ID: P60 - Dist.
Plot ID:

UB PR 940 - A 6

SOILS

Map Unit Name
(Series and Phase): U/P

Taxonomy (SubGroup): U/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. |
| 0-5 | DP | 10YR 3/2 | none | none | FGL |
| 5-12 | Bw1 | 2.5Y 4/4 | none | none | FGL |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Yes No
Yes No
Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

Upland B - SWID
 NR 340
 Survey Data # w/ 102E

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|-----|---------------------------------------|-----|---------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/18/06 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.) | <table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No *</td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No *</td> </tr> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | Yes | <input checked="" type="radio"/> No * | Yes | <input checked="" type="radio"/> No * |
| <input checked="" type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No * | | | | | | |
| Yes | <input checked="" type="radio"/> No * | | | | | | |
| Community ID: PFO Disturbed Transect ID: Plot ID: UG AR 040-01 857 | | | | | | | |

VEGETATION

* Recently logged area (7/17/06)

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine: 6

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red maple 1 | Tree | FAC | 9. | | |
| 2. Yellow Birch 2 | Tree | FAC | 10. | | |
| 3. Balsam Fir 3 | Tree | FAC | 11. | | |
| 4. White Cedar 4 | Tree | FACW | 12. | | |
| 5. Bitter Cherry | Tree | FACW | 13. | | |
| 6. Sugar Maple | Tree | FACW | 14. | | |
| 7. Balsam Fir 5 | Shrub | FAC | 15. | | |
| 8. New York Fern 6 | Herb | FAC | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/8 = 75

Remarks: Recently logged forest

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.): 0.2 Depth to Free Standing Water in Pit (in.): >12 Depth to Saturated Soil (in.): >12 | |
| Remarks: | |

Upland

Date: 7/12/02
Community ID: PFD-DIST.
Plot ID:

UG- NR 940 A1 - 822

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 | Horizon | (Munsell Moist) | (Munsell Moist) | Abundance/Size/ Contrast | Structure, etc. |
| (Inches) | | | | | |
| 0-3 | top | 10YR 3/2 | None | None | FSL |
| 3-12 | Sub | 10YR 4/4 | None | None | FSL |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

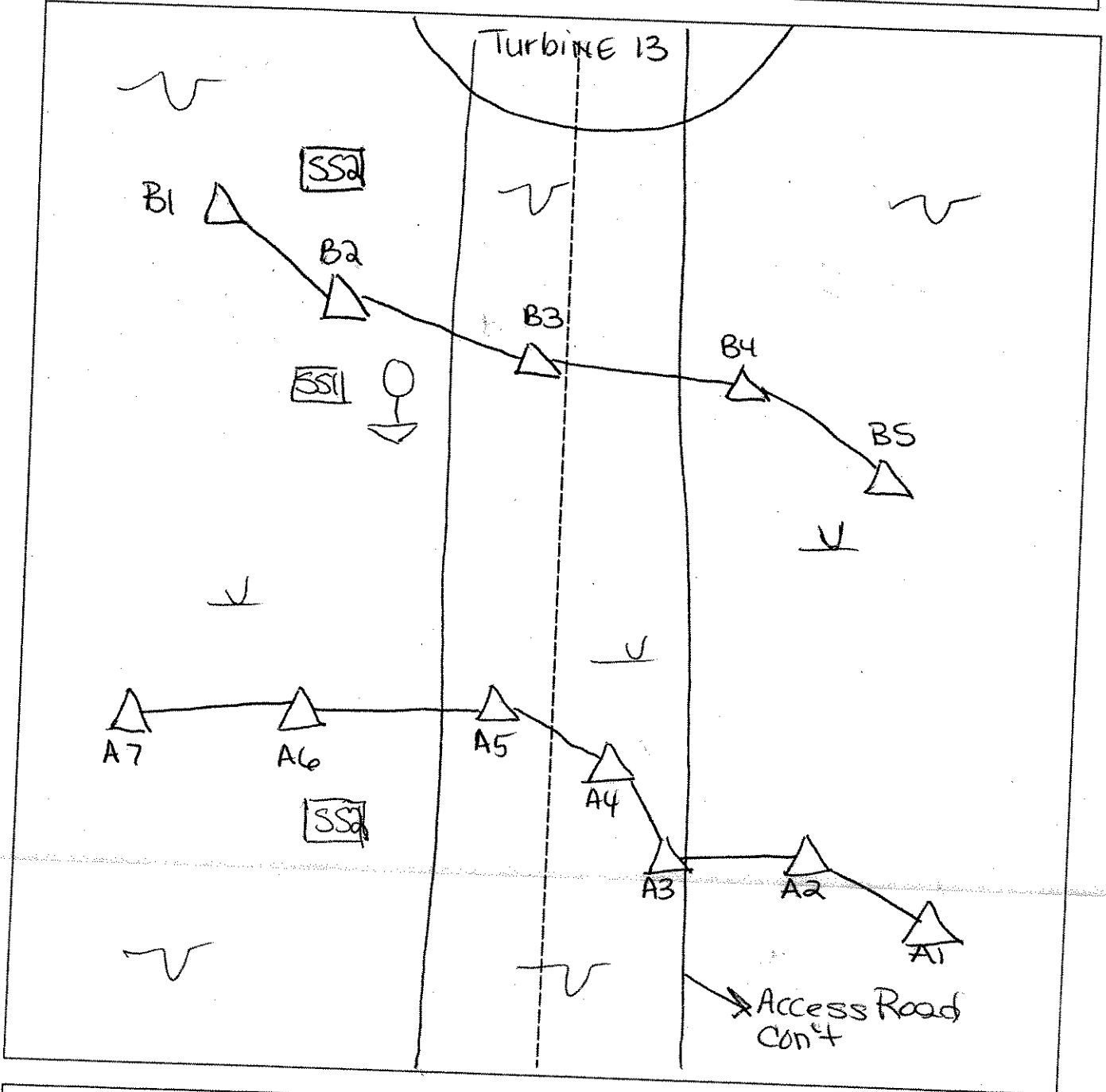
Is this Sample Station Point Within a Wetland? Yes No

Remarks

AR040A/B

SKETCH FORM

| | | | |
|---|---|-------------------------------------|-------|
| Wetland ID/Route #: AR040A/B | | Date: 7-18-06 | Time: |
| Initials of Delineators: BR | | Location: Access road to turbine 13 | |
| Roll #: | Frames: #107 #105 A/B SSI => SW | | |



Legend

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

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

Wetland A-series
D12 941 - 951
DG A-72A8

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BRZ | Date: 7/19/06 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: FAD Transect ID: Plot ID: D12 941 951 |

VEGETATION

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Balsam Fir 1 | Tree | FAC | 9. Sugar Maple | Shrub | FACW |
| 2. Hemlock * | Tree | FACV | 10. Red (Tun) 5 | Herb | FACW |
| 3. White Ash | Tree | FACV | 11. Sensitive Fern 6 | Herb | FACW |
| 4. Yellow Birch 2 | Tree | FAC | 12. Bugleweed 7 | Herb | FACW |
| 5. Red Maple 3 | Tree | FAC | 13. Nut Fern ← 8 | Herb | FAC |
| 6. Sugar Maple | Tree | FACV | 14. | | |
| 7. Hemlock * | Shrub | FACV | 15. | | |
| 8. Balsam Fir 4 | Shrub | FAC | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 8/13 | | | | | |
| Remarks: * Hemlock shallow root | | | | | |

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 <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): ___ 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.): 0 Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 6" | |
| Remarks: adjacent intermittent stream | |

Wetland

Date: 7/19/06
Community ID: PFO
Plot ID:

DR 941 - 881

SOILS

| | |
|--|---|
| Map Unit Name (Series and Phase): w/a | Drainage Class: PD |
| Taxonomy (SubGroup): U/X | 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 3/1 | none | none | FSL |
| 12-18" | Bw ₁ | 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 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

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

Upland A Series
 A 2 941 - 882
 UG A-7 2 D8

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u> | Date: <u>7/19/06</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>260</u> Transect ID: Plot ID: <u>A 2 941 - 882</u> |

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: 85.5 Shrub: 0 Herb: 10.5 Vine: 2

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------|-------------|-------------|------------------------|---------|-----------|
| 1. <u>Balsam Poplar</u> | <u>Tree</u> | <u>FAC</u> | 9. | | |
| 2. <u>Ash</u> | <u>Tree</u> | <u>FACU</u> | 10. | | |
| 3. <u>Yellow Birch</u> | <u>Tree</u> | <u>FAC</u> | 11. | | |
| 4. <u>Sugar Maple</u> | <u>Tree</u> | <u>FACU</u> | 12. | | |
| 5. <u>Christmas Fern</u> | <u>Herb</u> | <u>FACU</u> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/5 = 40

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 checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <u>> 0</u> Depth to Free Standing Water in Pit (in.): <u>> 10"</u> Depth to Saturated Soil (in.): <u>> 10"</u> | |
| Remarks: | |

Upland

Date: 7/19/06
Community ID: PFO
Plot ID:

D2941-852

SOILS

| | |
|--|---|
| Map Unit Name (Series and Phase): N10 | Drainage Class: WD |
| Taxonomy (SubGroup): N12 | 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 | FE |
| 4-10 | Bw1 | 10YR 4/6 | None | None | FE |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
Extremely Rocky

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input checked="" 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: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u> | Date: <u>7/19/06</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)? 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>250</u> Transect ID: Plot ID: <u>02941-551</u> |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 38.0 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Yellow Birch 1 | Tree | FAC | 9. | | |
| 2. Hemlock * | Tree | FACW | 10. | | |
| 3. Highbush | Tree | FACW | 11. | | |
| 4. Balsam fir 2 | Tree | FAC | 12. | | |
| 5. NY Fern 3 | Herb | FAC | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $3/5 = 60$

Remarks: * Hemlock Shallow Roots

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines <input checked="" type="checkbox"/> 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)</p> |
| <p>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.): <u>> 12"</u></p> | |
| Remarks: | |

Wetland

B Series

Date: 7/19/06
Community ID: R2 941-851
Plot ID:

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. |
| 0-6 | AD | 10YR 3/1 | None | None | FBL |
| 6-12 | Bm | 10YR 4/2 | 10YR 6/3 | Few/med/Dis | FBL |
| | | | | | |
| | | | | | |
| | | | | | |

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

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/19/06 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 <input type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> No (If needed, explain on reverse.) | Community ID: D50 Transect ID: Plot ID: AR941 582 |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 85.5 ^{Sap} Shrub: 3.0 Herb: 38.0 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Sugar Maple | Tree | FACU | 9. | | |
| 2. Baldpate | Tree | FAC | 10. | | |
| 3. Beech | Tree | FACU | 11. | | |
| 4. Hornbeam | Tree | FACU | 12. | | |
| 5. Black Cherry | Sap | FACU | 13. | | |
| 6. Canada Mayflower | Herb | FAC- | 14. | | |
| 7. NY Fern | Herb | FAC | 15. | | |
| 8. Tree-line Clubmoss | Herb | FACU | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/8 = 25

Remarks:

HYDROLOGY

| | |
|---|---|
| <p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators: none</p> <p>Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands</p> <p>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)</p> |
| <p>Field Observations: Depth of Surface Water (in.): > 0" Depth to Free Standing Water in Pit (in.): > 12" Depth to Saturated Soil (in.): > 12"</p> | |
| Remarks: | |

Upland B Series

Date: 7/19/06
 Community ID: PR 941-882
 Plot ID:

SOILS

| Map Unit Name (Series and Phase): <i>N/A</i> | | Drainage Class: <i>WWD</i> | | | |
|---|-----------------------|---|--|--|--|
| Taxonomy (SubGroup): <i>N/A</i> | | 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>0-6</i> | <i>A_p</i> | <i>10YR 3/2</i> | <i>None</i> | <i>None</i> | <i>ESL</i> |
| <i>6-12</i> | <i>B_{w1}</i> | <i>10YR 4/6</i> | <i>None</i> | <i>None</i> | <i>ESL</i> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input 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: | | | | | |

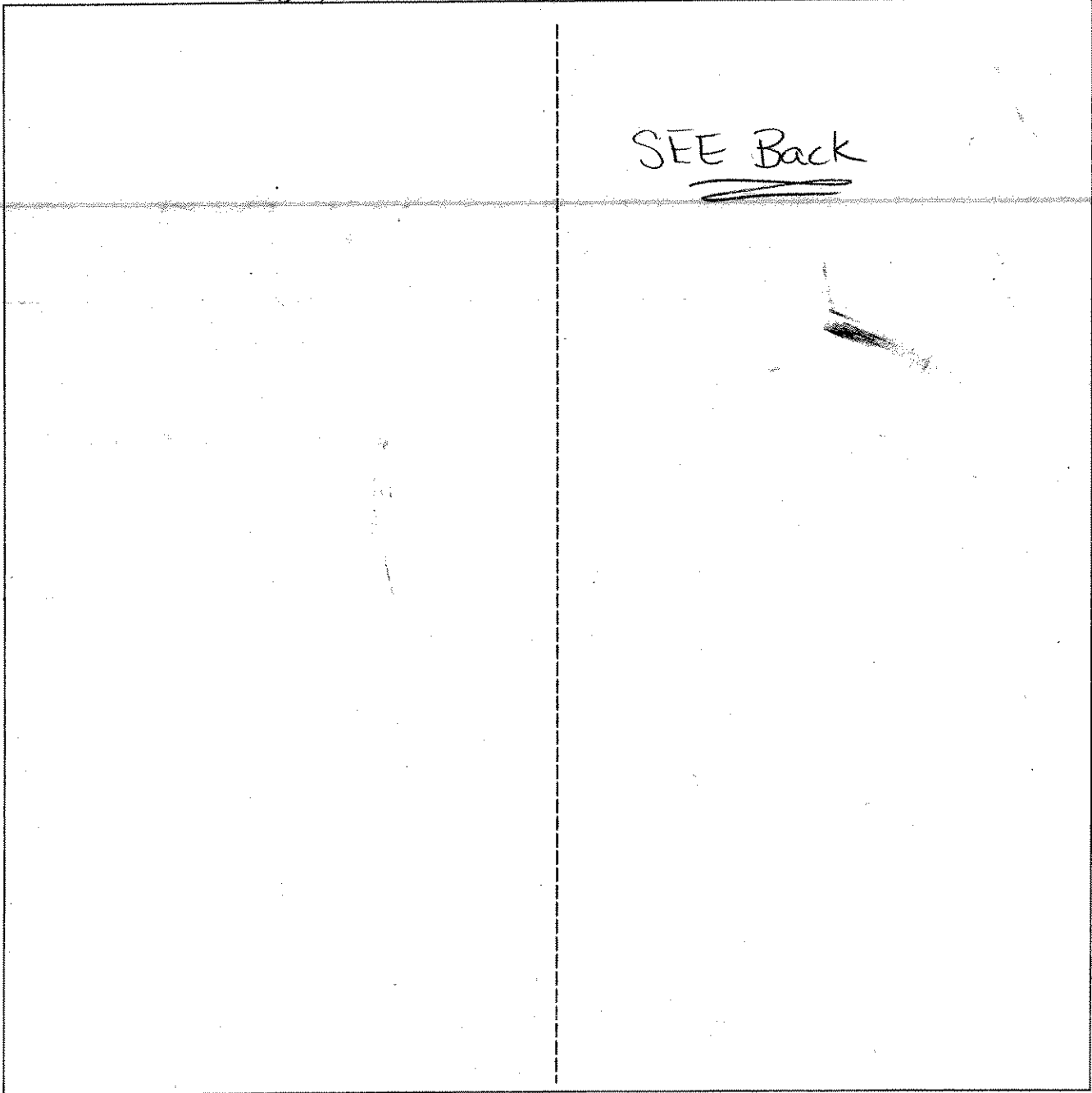
WETLAND DETERMINATION









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

AR941, IC942

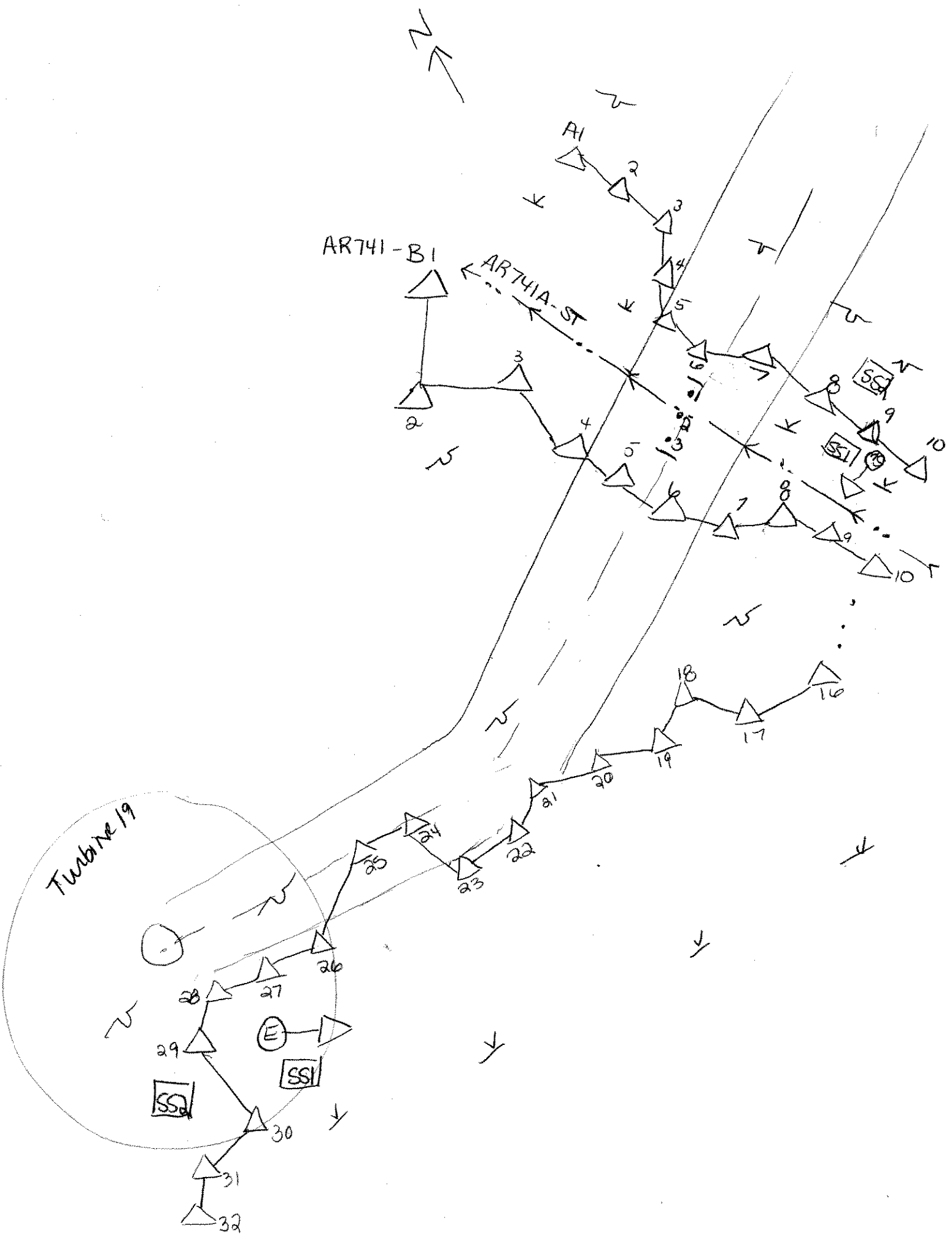
SKETCH FORM

| | | |
|---------------------------------|--|------------------|
| Wetland ID/Route #: AR941A/B | Date: 7-19-06 | Time: |
| Initials of Delineators: BR | Location: Access Road to turbine 19 | |
| Roll #: #106 => | Frames: SW at 941A SSI | #107 AR941B => E |
| #105 AR941S1 => NW | | |



| | |
|--|--|
| 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: <i>BT</i> | Date: <i>5/23/07</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>WETLAND</i> Transect ID: <i>AR941B</i> Plot ID: <i>SS5</i> |

VEGETATION *PFO ON EDGE OF PSS*

| Plant Community Classification: | | | | | |
|---|------------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>25</i> Herb: <i>80</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red Maple</i> | <i>T/S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Speckled Alder</i> | <i>S</i> | <i>FACW+</i> | 10. | | |
| 3. <i>Scribble fern</i> | <i>H</i> | <i>FACW</i> | 11. | | |
| 4. <i>Edible fern</i> | <i>H</i> | <i>FACW</i> | 12. | | |
| 5. <i>ASTER sp</i> | <i>H</i> | | 13. | | |
| 6. <i>NARAY sp</i> | <i>H</i> | | 14. | | |
| 7. <i>MEADOW Sweet (OBL)</i> | <i>S</i> | <i>FAC+</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>6/8 = 75%</i> | | | | | |
| Remarks: <i>SCATTERED BALSAM fir</i> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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 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>2" in places.</i> Depth to Free Standing Water in Pit (in.): <i>21"</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: | |

Date: 5/23/07
 Community ID: AR94173
 Plot ID: - 555

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|----------------|---------------------------------|----------------------------------|--|--|
| 0-5 | A | 7.5YR 3/1 | — | — | Silty loam |
| 5-10 | B ₁ | 10YR 6/1 | — | — | CLAY loam |
| 10-14 | B ₂ | 7.5Y 5/4 | — | — | 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:

(Recessed w/ Auger at 14")

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

NOT ISOLATED

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

| | | | | | | | |
|--|--|-----|----|-----|----|-----|----|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RAD</i> | Date: 5/23/07 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%; text-align: center;"> <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>UPLM</i> Transect ID: <i>AR941B</i> Plot ID: <i>SS6</i> | | | | | | | |

VEGETATION *UPLAND Decid/Conifer Mix FOREST*

| Plant Community Classification: | | | | | |
|--|------------|-----------|------------------------|----------|-----------|
| Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>45%</i> Herb: <i>60%</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>BALSAM FIR</i> | <i>T/S</i> | FAC | 9. <i>MOHAWK WOOD</i> | <i>S</i> | FAC+ |
| 2. <i>RED MAPLE</i> | <i>T/S</i> | FAC | 10. <i>ALB BIRCH</i> | <i>H</i> | NI |
| 3. <i>GRAY BIRCH</i> | <i>T/S</i> | FAC | 11. <i>BIRCH</i> | <i>S</i> | FACU |
| 4. <i>ASPEN QUAKING</i> | <i>T</i> | FACU | 12. | | |
| 5. <i>GOLD THREAD</i> | <i>H</i> | FACW | 13. | | |
| 6. <i>CANADA MAYFLOWER</i> | <i>H</i> | FAC- | 14. | | |
| 7. <i>WHITLED WOOD ASH</i> | <i>H</i> | UPL | 15. | | |
| 8. <i>SUGAR MAPLE</i> | <i>H</i> | FACU- | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>8/14 = 57%</i> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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 checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>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: 5/23/07
 Community ID: URA 101
 Plot ID: AR941B-556

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-6 | A | 10YR 2/1 | 10YR 5/2 | Few (med) Faint | LOAM |
| 6-12 | B | 10YR 3/2 | 60% 10YR 5/1 | | CLAY LOAM |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
Region of Ape 12"

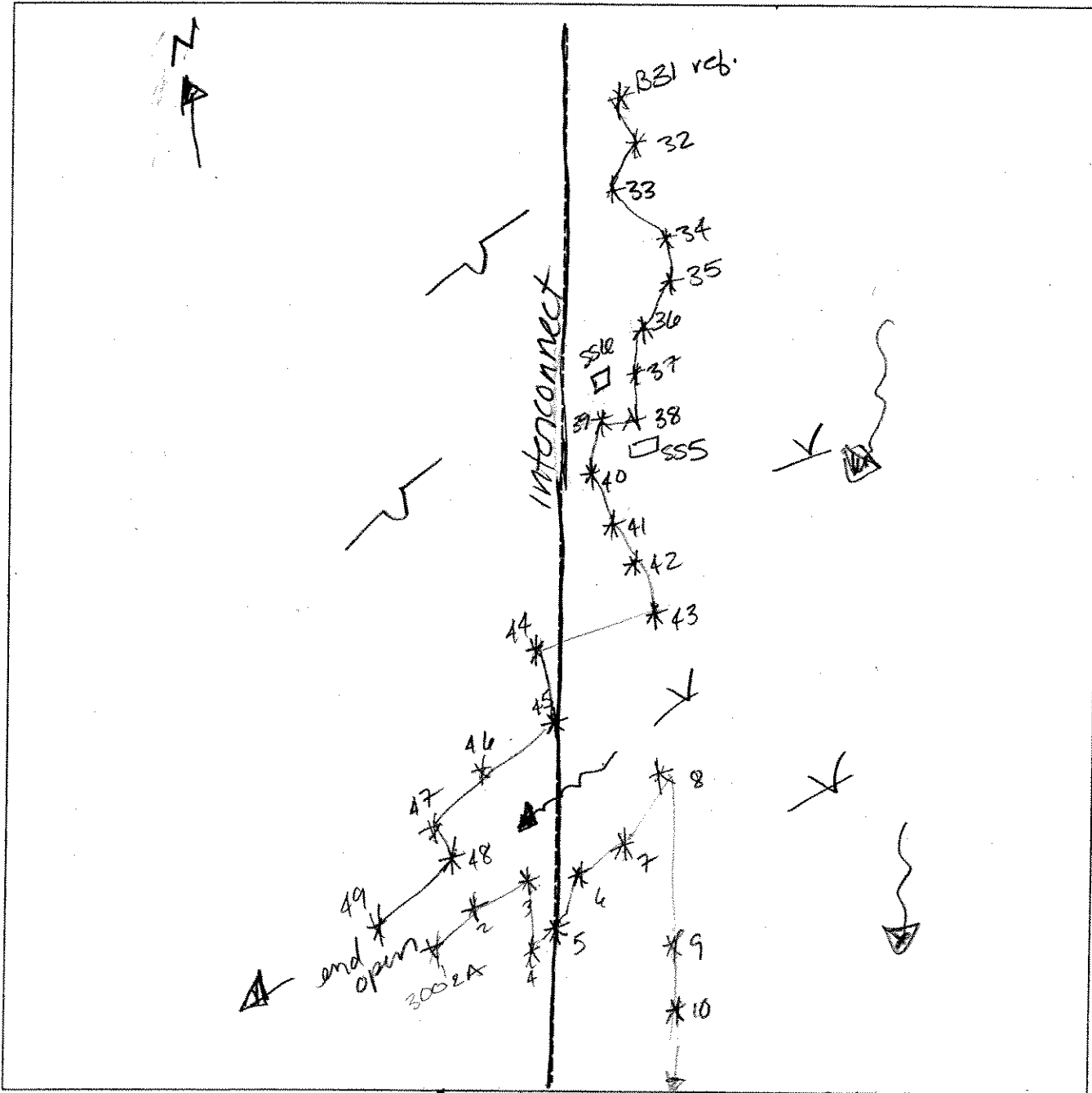
WETLAND DETERMINATION

| | |
|---|--|
| 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 #: AR941B | Date: 5/23/07 | Time: |
| Initials of Delineators: RD AP | Location: | |
| Roll #: | Frames: | |



+ Continue on 3002A sketch

| 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: <i>2200</i> | Date: <i>5/23/07</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 checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>WPLAND</i> Transect ID: <i>IC3000A</i> Plot ID: <i>SS2</i> |

VEGETATION

WPLAND FULCRUM

| Plant Community Classification: <i>WPLAND FULCRUM</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>79%</i> Shrub: <i>39%</i> Herb: <i>70%</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>RED APPLE</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>GRAPE</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>BELLA BELL</i> | <i>T</i> | <i>FACW</i> | 11. | | |
| 4. <i>MARSH WHEAT</i> | <i>S</i> | <i>FAC+</i> | 12. | | |
| 5. <i>CHERRY</i> | <i>S</i> | <i>FACU</i> | 13. | | |
| 6. <i>X-MARSH GRASS</i> | <i>H</i> | <i>FACU-</i> | 14. | | |
| 7. <i>IRRAWADDI</i> | <i>S</i> | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/7 = 57%</i> | | | | | |
| Remarks: <i>VEG MARSHAL - TRANSITION</i> | | | | | |

HYDROLOGY

| | |
|--|---|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ 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 ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>10"</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: | |

Date: 5/23/07
 Community ID: UPLAND
 Plot ID: IC 3000A-SS2

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 10YR 2/1 | — | — | LOAM |
| 8-12 | A | 10YR 2/1 | 2.5Y 5/4 | com/med/fine | SILT LOAM |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

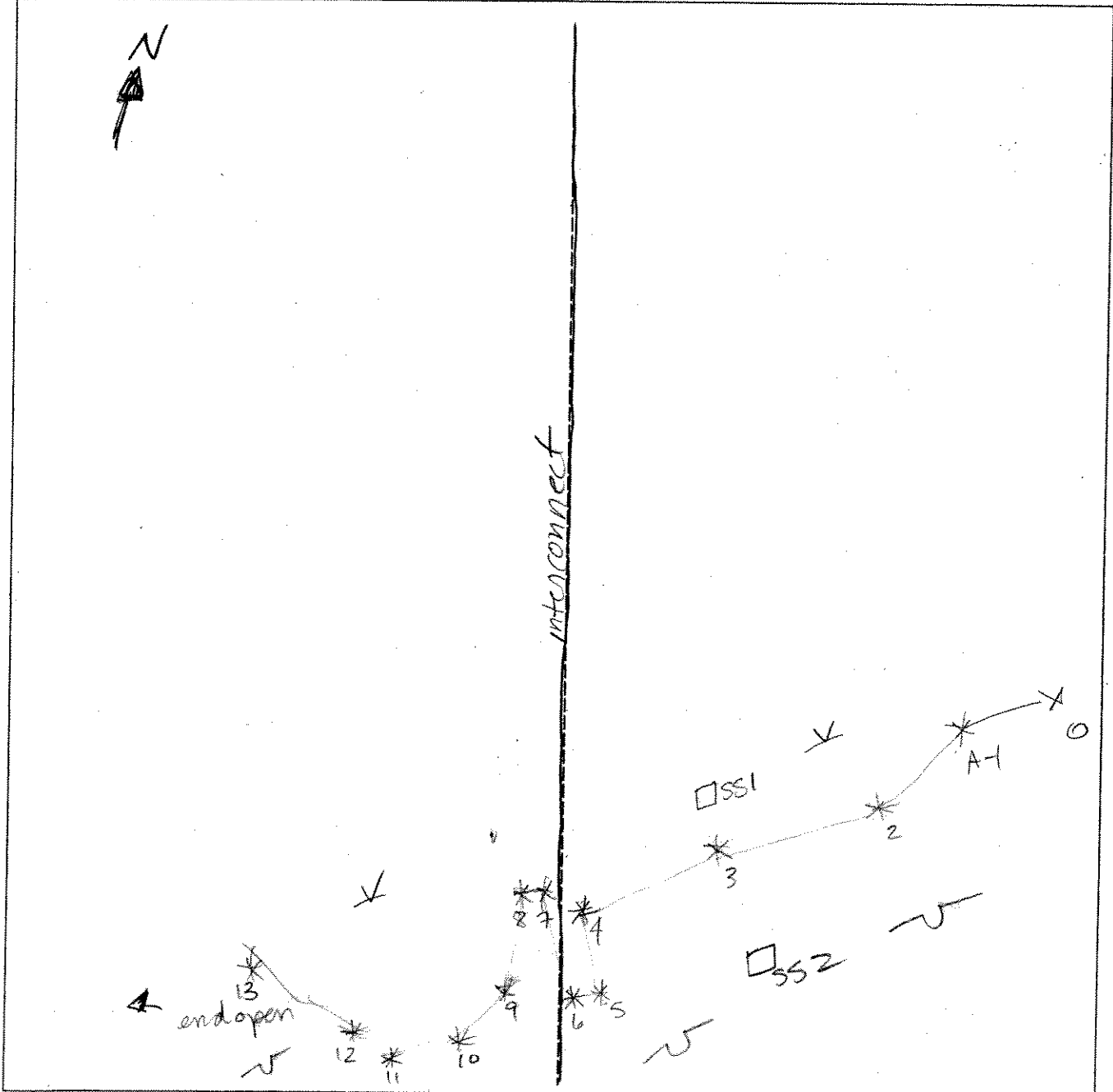
| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Wetlands Hydrology Present?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

Remarks: Transition Area

SKETCH FORM

PART OF AR941, IC942

| | | |
|-----------------------------------|------------------|-------|
| Wetland ID/Route #: IC3000A | Date: 5/28/07 | Time: |
| Initials of Delineators: RD 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: <i>ATD</i> | Date: <i>8/3/07</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 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: <i>IC 3001A</i> Plot ID: <i>SS1</i> |

VEGETATION *PSS*

| Plant Community Classification: | | | | | |
|--|------------|--------------|-------------------------|----------|-------------|
| 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>RED OAK</i> | <i>S</i> | <i>FACW+</i> | 9. <i>SILKY WILLOW</i> | <i>S</i> | <i>OBL</i> |
| 2. <i>MORNING GLORY</i> | <i>H</i> | <i>OBL</i> | 10. <i>MEADOW SWEET</i> | <i>S</i> | <i>FAC+</i> |
| 3. <i>ADIX SP</i> | <i>H-1</i> | | 11. <i>SPRING BURN</i> | <i>T</i> | <i>FAC</i> |
| 4. <i>Sensitive Fern</i> | <i>H</i> | <i>FACW</i> | 12. <i>RED MAPLE</i> | <i>T</i> | <i>FAC</i> |
| 5. <i>SPRING (PERITHON)</i> | <i>H</i> | | 13. | | |
| 6. <i>JEWEL WOOD</i> | <i>H</i> | <i>FACW</i> | 14. | | |
| 7. <i>ASTER SP</i> | <i>H</i> | | 15. | | |
| 8. <i>TRAIL WILLOW</i> | <i>S</i> | <i>FACW</i> | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *9/12 = 75%*

Remarks:

Undisturbed wetland / High Quality

HYDROLOGY

| | |
|--|---|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ 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): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>2" in places</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i> | |

Remarks:

Date: 5/23/07
 Community ID: WETA
 Plot ID: LC3002A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 10YR 2/1 | | | Silt loam |
| 8-14 | B | 5Y 5/3 | 80%L | | CLAY |
| | | 2.5Y 4/4 | 70%L | | |
| | | | | | |
| | | | | | |
| | | | | | |

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:

* Organic staining

WETLAND DETERMINATION

| | | |
|---------------------------------|---|---|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes <input type="radio"/> No | NOT WETLAND 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: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i> | Date: <i>5/23/07</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table> | Yes <input checked="" type="radio"/> | No <input type="radio"/> | Yes <input type="radio"/> | No <input checked="" type="radio"/> | Yes <input type="radio"/> | No <input type="radio"/> |
| Yes <input checked="" type="radio"/> | No <input type="radio"/> | | | | | | |
| Yes <input type="radio"/> | No <input checked="" type="radio"/> | | | | | | |
| Yes <input type="radio"/> | No <input type="radio"/> | | | | | | |
| Community ID: <i>UPLAND</i> Transect ID: <i>IC 3001 A</i> Plot ID: <i>SS2</i> | | | | | | | |

VEGETATION

UPLAND Decid / Conifer Mix

| Plant Community Classification: | | | | | |
|--|--------------|------------------|------------------------|------------------|----------------|
| Percent Canopy Cover: | | Tree: <i>65%</i> | Shrub: <i>50%</i> | Herb: <i>50%</i> | Vine: <i>X</i> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>RED maple</i> | <i>T/S/H</i> | <i>FAC</i> | 9. | | |
| 2. <i>TALLEN FR</i> | <i>T/H/H</i> | <i>FAC</i> | 10. | | |
| 3. <i>Black cherry</i> | <i>T</i> | <i>FACU</i> | 11. | | |
| 4. <i>S. aspen</i> | <i>T/S</i> | <i>FACU</i> | 12. | | |
| 5. <i>Serviceberry</i> | <i>S</i> | <i>FAC</i> | 13. | | |
| 6. <i>MEADOW Sweet</i> | <i>S</i> | <i>FAC+</i> | 14. | | |
| 7. <i>ADONIS</i> | <i>H</i> | <i>FAC-</i> | 15. | | |
| 8. <i>Buckberry</i> | <i>H</i> | <i>FAC-</i> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>7/13 = 54%</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.): <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: | |

2002. 11. 10. 17. 1991

Date: 5/23/07
Community ID: Uplands
Plot ID:

IC300 1-SSQ

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | A | 10YR 2/1 | — | — | Silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: *Referral of Azon at 6"*

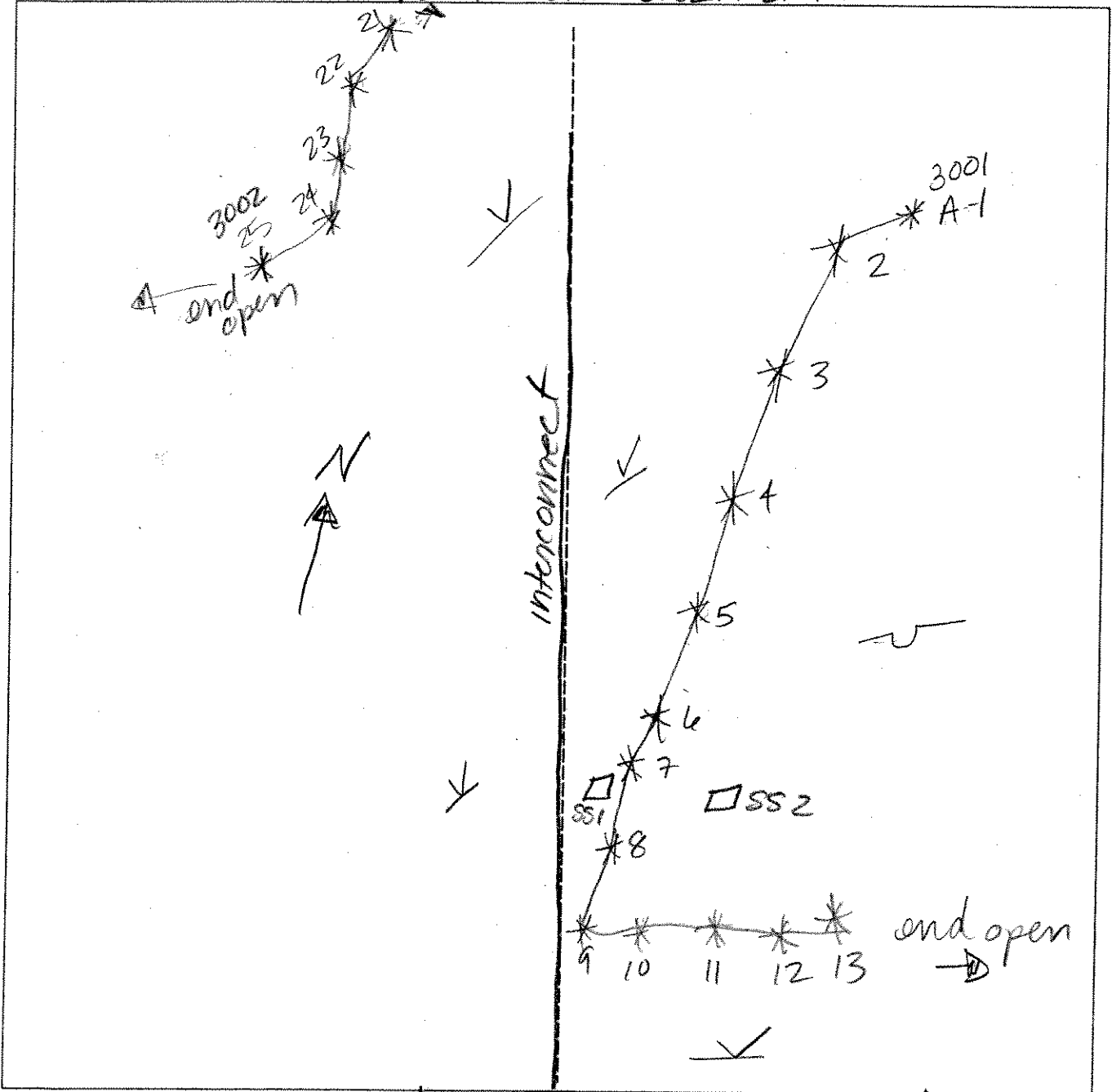
WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|----|---|
| 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: *Wetland*

| | | |
|------------------------------------|------------------|-------|
| Wetland ID/Route #: IC3001A | Date: 5/23/07 | Time: |
| Initials of Delineators: RID AP | Location: | |
| Roll #: | Frames: | |

+ continue on IC3002A sketch



+ continue on IC3000A sketch

| 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: <i>BTJ</i> | Date: <i>5/23/07</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 checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>WORMJ</i> Transect ID: <i>IC3002A</i> Plot ID: <i>SS1</i> |

VEGETATION *PSS*

| Plant Community Classification: | | | | | |
|--|----------|--------------|----------------------------|----------|--------------|
| Percent Canopy Cover: Tree: <i>10%</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>Aspen Elm</i> | <i>T</i> | <i>FACW-</i> | 9. <i>ASTEL SP</i> | <i>H</i> | |
| 2. <i>SPECKLED ALDER</i> | <i>S</i> | <i>FACW+</i> | 10. <i>ALDER SP</i> | <i>H</i> | |
| 3. <i>MEADOW SWEET</i> | <i>S</i> | <i>FAC+</i> | 11. <i>WILLOW</i> | <i>S</i> | <i>FACW</i> |
| 4. <i>GRAY DITCH</i> | <i>T</i> | <i>FAC</i> | 12. <i>RED OILY DYERUS</i> | <i>S</i> | <i>FACW+</i> |
| 5. <i>SILVER WILLOW</i> | <i>S</i> | <i>OBL</i> | 13. | | |
| 6. <i>SENSITIVE FERN</i> | <i>H</i> | <i>FACW</i> | 14. | | |
| 7. <i>MORNING GLORY</i> | <i>H</i> | <i>OBL</i> | 15. | | |
| 8. <i>EQUISETUM</i> | <i>H</i> | <i>FACW</i> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>10/12 = 83%</i> | | | | | |
| Remarks: <div style="font-size: 1.2em; font-family: cursive;"> NO EVIDENCE RECENT DISTURBANCE - HIGH DENSITY WETLAND </div> | | | | | |

HYDROLOGY

| | |
|--|---|
| ___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ 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 <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.): <i>6" in places</i> Depth to Free Standing Water in Pit (in.): <i>0" ill</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: | |

Date: 5/23/07
 Community ID: JC 3002 A
 Plot ID: SSI

SOILS

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

| Profile Description Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|---------------------------------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-3 | O | 10YR 2/1 | — | — | ORGANICS |
| 3-7 | A | 2.5Y 4/1 | — | — | CLAY * |
| 7-14 | B | 2.5Y 5/1 | — | — | 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:
 Replication of Auger AT 14"
 * includes chunks of reddish organics

WETLAND DETERMINATION

| | | | |
|---------------------------------|--------|--------------|---|
| Hydrophytic Vegetation Present? | Yes No | NOT ISOLATED | 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>ADD</u> | Date: <u>5/23/07</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>WETLAND</u> Transect ID: Plot ID: <u>IC3000A</u> <u>551</u> |

VEGETATION PDFI

| Plant Community Classification: | | | | | |
|--|------------|--------------|------------------------|----------|-------------|
| Percent Canopy Cover: Tree: <u>75%</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>RED MAPLE</u> | <u>T/S</u> | <u>FAC</u> | 9. <u>TELEWOOD</u> | <u>H</u> | <u>FACW</u> |
| 2. <u>TUPLO (sylvatica)?</u> | <u>T/S</u> | <u>FAC</u> | 10. | | |
| 3. <u>SPECIFIED AIDER</u> | <u>S</u> | <u>FACW+</u> | 11. | | |
| 4. <u>HOP HORN BEAN</u> | <u>T</u> | <u>FACU-</u> | 12. | | |
| 5. <u>SCORPION TERN</u> | <u>H</u> | <u>FACW</u> | 13. | | |
| 6. <u>MAPLE SP</u> | <u>H</u> | | 14. | | |
| 7. <u>ASPER SP</u> | <u>H</u> | | 15. | | |
| 8. <u>BROADW SWEET</u> | <u>S</u> | <u>FAC+</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>6/11 = 54%</u> | | | | | |
| Remarks: <u>GOOD Quality FOCUSED WETLAND</u> <u>NO EVIDENCE OF RECENT LOGGING - TREES 4-12" DBH</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 checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks - <u>on TREES.</u> <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>1"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u> | |
| Remarks: | |

Date: 5/23/02
 Community ID: PFO1
 Plot ID: IC3000A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 7.5YR2/2.5/1 | — | — | Silty Clay lam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

- | | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor (slight) | <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:

— Very Rocky
 — Refusal of Ager at 48"

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes <input type="radio"/> No | NOT ISOLATED <hr/> 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: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>AS</i> | Date: <i>5/23/07</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 checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>UPLAD</i> Transect ID: <i>IC3002A</i> Plot ID: <i>552</i> |

VEGETATION *UPLAD Conifer/Decid mix Forest*

Plant Community Classification: _____
 Percent Canopy Cover: Tree: *85%* Shrub: *40%* Herb: *40%* Vine: *8*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------|------------|-------------|------------------------|---------|-----------|
| <i>1. TORSEUM TIN</i> | <i>T/S</i> | <i>FAC</i> | <i>9.</i> | | |
| <i>2. GRAY BIRCH</i> | <i>T/S</i> | <i>FAC</i> | <i>10.</i> | | |
| <i>3. RED MAPLE</i> | <i>T</i> | <i>FAC</i> | <i>11.</i> | | |
| <i>4. SPOONBUSH</i> | <i>H</i> | <i>FAC</i> | <i>12.</i> | | |
| <i>5. BURNING BUSH</i> | <i>H</i> | | <i>13.</i> | | |
| <i>6. ROUGH STEMMED BURNING BUSH</i> | <i>H</i> | <i>FAC</i> | <i>14.</i> | | |
| <i>7. DOGWOOD</i> | <i>H</i> | <i>FACU</i> | <i>15.</i> | | |
| <i>8. WHITE WOOD ASTER</i> | <i>H</i> | <i>UPL</i> | <i>16.</i> | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *T/10 = 70%*

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 ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks) |
| 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: | |

Soil ID: 100247 100248

Date: 5/23/07
 Community ID: upland
 Plot ID: JC 3002A - S52

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-5 | A | 7.5YR 7/1 | 2.5YR 6/3 | Dist/Few/Fine | Silt loam |
| 5-16 | B | 10YR 5/6 | 5Y 9/1 mix | | Sandy clay loam |
| | | 2.5Y 5/4 | 5Y 9/1 | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input 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:

Refract of Bgr A7 16"

WETLAND DETERMINATION

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

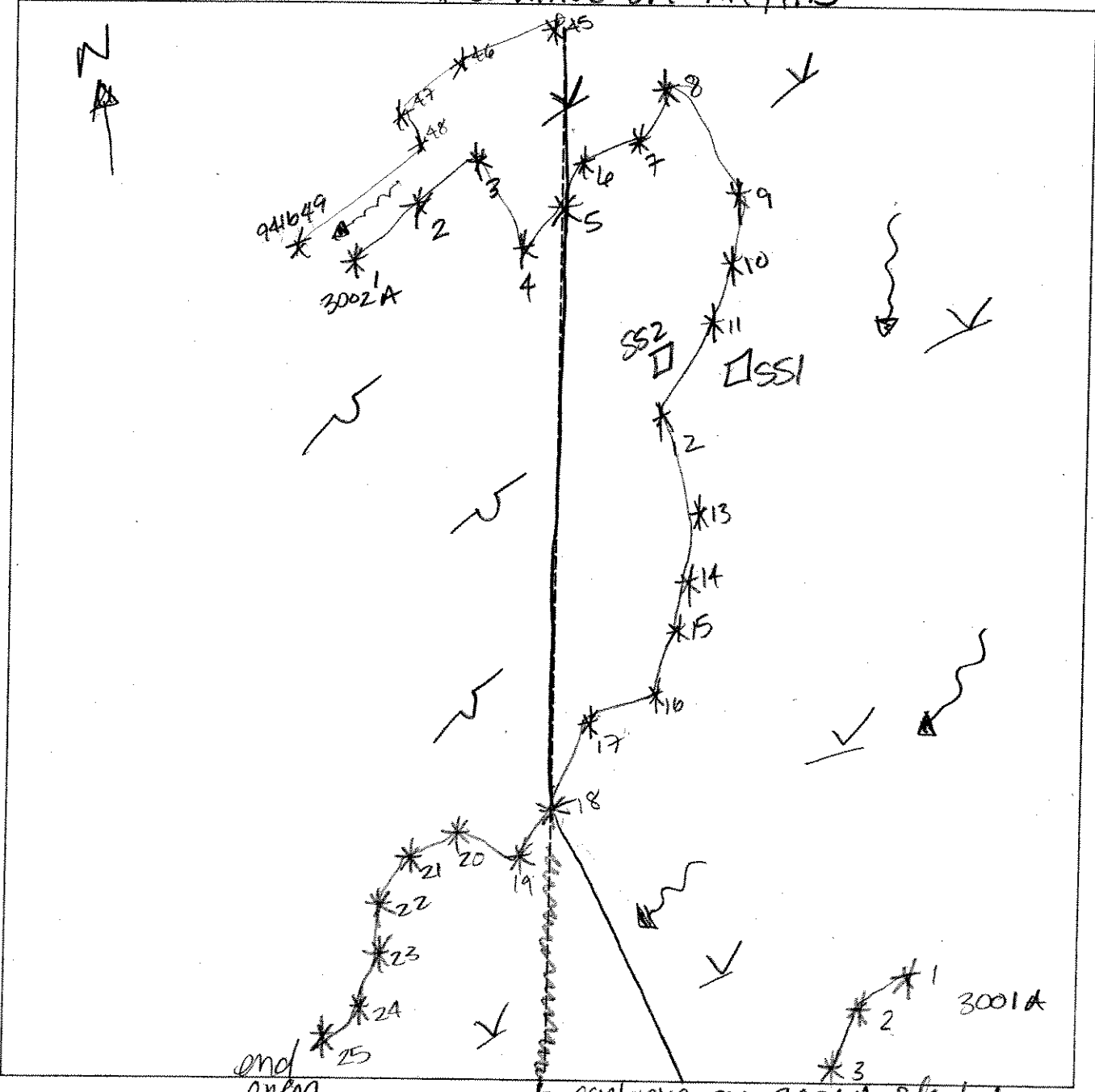
Remarks

SKETCH FORM

PART OF AR94H, IC942

| | | |
|---|----------------------|-------|
| Wetland ID/Route #: IC3002A | Date: 5/23/07 | Time: |
| Initials of Delineators: RD APD | Location: | |
| Roll #: | Frames: | |

+ continue on AR941B



+ continue on 3001A sketch

| 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: BZ | Date: 7/20/06 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 type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) | Community ID: 750 Transect ID: Plot ID: IC 942 A/B Shared |

PG BZ/A9 wetland Plate

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 85.6 Shrub: 0 Herb: 38.0 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Red Maple | Tree | FAC | 9. | | |
| 2. Sugar Maple | Tree | FAC | 10. | | |
| 3. Balsam Fir | Tree | FAC | 11. | | |
| 4. Dm. Elm | Tree | FAC | 12. | | |
| 5. NY Fern | Herb | FAC | 13. | | |
| 6. Sensitive Fern | Herb | FAC | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/6 = 83

Remarks:

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ 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): ___ 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)</p> |
| <p>Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): > 12" Depth to Saturated Soil (in.): > 12"</p> | |
| <p>Remarks: wetland associated w/ intermittent stream</p> | |

Date: 7/20/06
 Community ID: PD
 Plot ID:

SSI Wetland Shared Data Pt w/ IC94210/B

SOILS

Map Unit Name (Series and Phase): N/A
 Taxonomy (SubGroup): N/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. |
|----------------|-----------------|------------------------------|-------------------------------|----------------------------------|---------------------------------------|
| 0-6 | BP | 10YR2/3.1 | none | none | FSL |
| 6-12 | BW ₁ | 10YR2/4.2 | 10YR2/6.5 | Few/med/Dist. | 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 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: Extremely Rocky.

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: Stream w/ bordering wetland

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR | Date: 7/20/06 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.) | <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 checked="" type="radio"/> NO</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><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: PFO Transect ID: Plot ID: IC 942 A - Series | | | | | | | |

VEGETATION

U.G A9 852A-upland

Plant Community Classification:

Percent Canopy Cover: Tree: 85.5 Shrub: 0 Herb: 10.5 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Beech | Tree | FACW | 9. | | |
| 2. Sugar Maple | Tree | FACU | 10. | | |
| 3. Baldwin Elm | Tree | FAC | 11. | | |
| 4. Canadian Mayflower | Herb | FAC | 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

| | |
|--|---|
| <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.): 0 Depth to Free Standing Water in Pit (in.): >14' Depth to Saturated Soil (in.): >14" | |
| Remarks: | |

Date: 7/20/06
 Community ID: PFO
 Plot ID: 861A
 I2942A Series Upland

SOILS

Map Unit Name _____ Drainage Class: **WD**
 (Series and Phase): **N/A**
 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. |
| 0-6 | top | 10YR 3/1 | None | None | EBL |
| 6-14 | Bw ₁ | 10YR 4/4 | 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="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

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

Upland -
Shared Data Point
IC 942A & B sub
562-B

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u> | Date: 7/20/06 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.) | 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>DE</u> Transect ID: Plot ID: <u>IR 942 B Series</u> |

VEGETATION

U.6-B2

SS-2 Upland B

Plant Community Classification:
Percent Canopy Cover: Tree: 85.5 Shrub: 16.5 Herb: 10.5 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Sugar Maple | Tree | FACV | 9. | | |
| 2. Baldwins Elm | Tree | FAC | 10. | | |
| 3. Canada Mayflower | Shrub | FAC | 11. | | |
| 4. Hornbeam | Tree | FACV | 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

| | |
|--|--|
| <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>0</u> Depth to Free Standing Water in Pit (in.): <u>> 12"</u> Depth to Saturated Soil (in.): <u>> 12"</u> | |
| Remarks: | |

Upland

Date: 2/20/06
Community ID:
Plot ID: 931-B

IC942B *Upland*

SOILS

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

Drainage Class: *WD*
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 | <i>Ap</i> | <i>10Y2 3/2</i> | <i>none</i> | <i>none</i> | <i>Fol</i> |
| 6-12 | <i>Bw₁</i> | <i>10Y2 6/8</i> | <i>none</i> | <i>none</i> | <i>Fol</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:

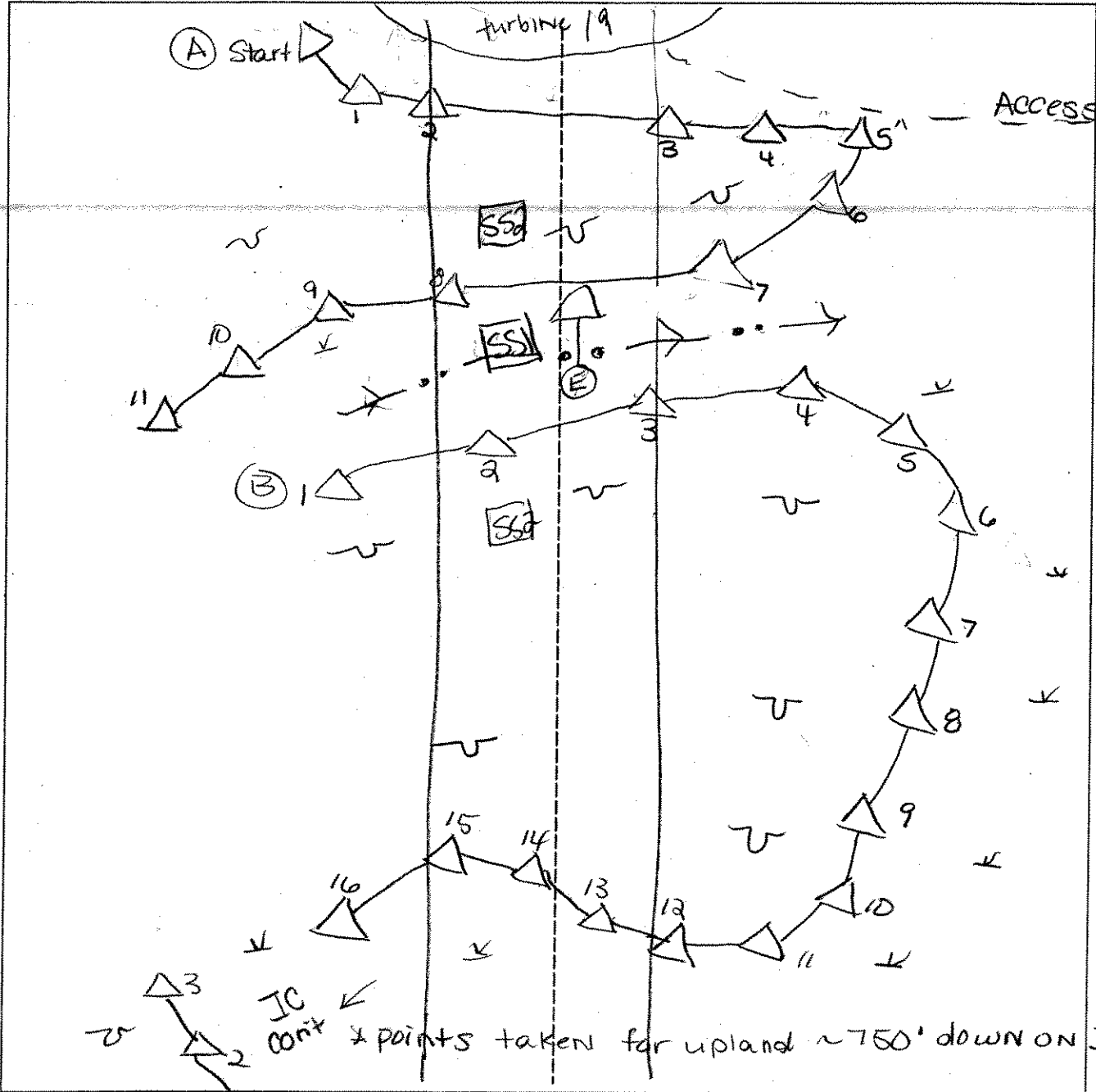
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input type="radio"/> 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 <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 #: IC942A/B | Date: 7-20-06 | Time: |
| Initials of Delineators: BR | Location: Interconnect to turbine 17A+18 | |
| Roll #: | Frames: IC942A/B - SSI => E | |



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

N →

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

LINE EXTENSION

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u> | Date: <u>5/8/07</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)? 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>PF04</u> Transect ID: Plot ID: <u>AR942 AB 551</u> |

AR941, IC942

VEGETATION

| Plant Community Classification: <u>FIR</u> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>45</u> Herb: <u>60</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Picea abies</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>NW Cedar</u> | <u>T</u> | <u>FACW</u> | 10. | | |
| 3. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 11. | | |
| 4. <u>Masanthemum Canadense</u> | <u>H</u> | <u>FAC</u> | 12. | | |
| 5. <u>Carex sp</u> | <u>H</u> | <u>FACW</u> | 13. | | |
| 6. <u>Sphagnum moss</u> <u>>50%</u> | <u>H</u> | <u>OBL</u> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>Can not v-d to to time of year</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 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>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>1"</u> | |
| Remarks: | |

Date: 5/18/07
 Community ID: AR 942 AB 55
 Plot ID: SSI

SOILS

Map Unit Name AR942
 (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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-1 | O | 10YR 2/1 | | | |
| 1-3 | A | 10YR 2/1 | 10YR 5/1 | prom. fine, md. | silt |
| 3-5 | B | 2.5Y 5/2 | | | sandy clay loam |
| 5-15 | C | 5Y 6/4 | 2.5Y 5/4 | distinct, common, md | clay |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: organic streaking in C, saturated @ 1'

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 G = S Q DEC WL

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

LINE EXTENSION

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u> | Date: <u>5/8/07</u> County: Clinton State: NY |
| 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>UPL</u> Transect ID: Plot ID: <u>AR 94A AB 552</u> |

(AR 941, IC 942)

VEGETATION

Plant Community Classification: Balsam Flats
 Percent Canopy Cover: Tree: 80 Shrub: 15 Herb: 45 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------------|----------|-------------|------------------------|---------|-----------|
| 1. <u>Diels balsemae</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Betula papyrifera</u> | <u>T</u> | <u>FACU</u> | 10. | | |
| 3. <u>Thalictrum canadense H.</u> | | <u>FAC</u> | 11. | | |
| 4. <u>Populus grandidentata</u> | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks: Acer rubrum litter observed

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: 5/8/07
 Community ID: AR942 AB 552
 Plot ID: 552

SOILS

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

| Profile Description: | | | | | |
|----------------------|----------------|---------------------------------|----------------------------------|--|--|
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-4 | O | 7.5YR 2.5/3 | | | |
| 4-5 | A | 10YR 2/1 | | | silty clay |
| 5-7 | B ₁ | 5YR 2.5/2 | 10YR 5/2 | common, distinct, md | silty clay loam |
| 7-12 | B ₂ | 10YR 4/6 | 10YR 5/6 | many, distinct, fine | clay loam |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: organic streaking in B₁C

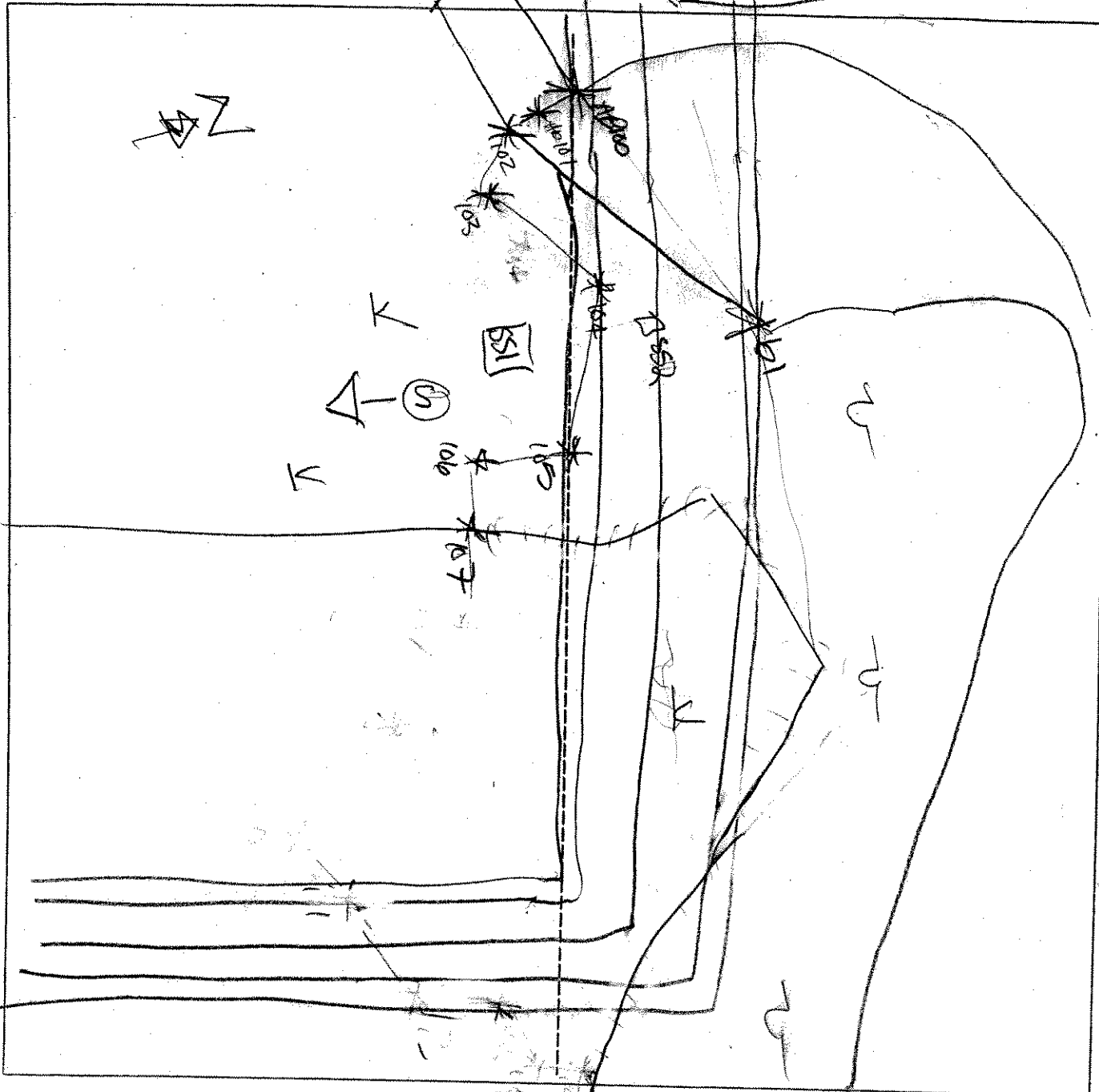
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | | |
|--|---------|------------------------|-------|
| Wetland ID/Route #: AR941, 16942 LINE EXTENSION | | Date: 5/8/07 | Time: |
| Initials of Delineators: JV AP | | Location: T. 19 | |
| Roll #: | Frames: | | |



Legend

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

E. Woods 9/11/07

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

| | | | |
|---|--|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i> | Date: <i>7/24/06</i> County: Clinton State: NY | | |
| <input type="checkbox"/> Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> 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%; border: none;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </td> <td style="text-align: center; width: 50%; border: none;"> <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: <i>wetland</i> Transect ID: Plot ID: <i>AR-943A-551</i> | | | |

VEGETATION

| Plant Community Classification: <i>PFO1</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>75</i> Herb: <i>85</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>Gray Birch</i> | <i>T</i> | <i>FAC</i> | 10. | | |
| 3. <i>Acer Rubrum</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Sphagnum Sp</i> | <i>H</i> | <i>OBL*</i> | 12. | | |
| 5. <i>Grass Sp.</i> | <i>H</i> | <i>-</i> | 13. | | |
| 6. <i>Acer Rubrum</i> | <i>H</i> | <i>FAC</i> | 14. | | |
| 7. <i>Moss Sp</i> | <i>H</i> | <i>-</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/7 71%</i> | | | | | |
| Remarks: <i>* NI - assumed OBL</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 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>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: <i>pit #2 - looks N</i> | |

Date: 7/24/06
 Community ID: wetland
 Plot ID: AR 943A-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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-4 | A | 10YR-2/1 | 7.5YR-3/4 | Common/Fine/Medium | stH, lean |
| 4-6 | E | 10YR-5/2 | | | sandy lean |
| | | | | | |
| | | | | | |
| | | | | | |

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:

shallow bedrock - refusal at 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

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i> | Date: <i>7/24/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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 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: <i>upland</i> Transect ID: Plot ID: <i>AA993-A-552</i> | | | | | | | |

VEGETATION

| Plant Community Classification: <i>Deciduous - Barky/Moist Forest</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| <i>1. Acer Rubrum</i> | <i>T</i> | <i>FAC</i> | <i>9.</i> | | |
| <i>2. American Beech</i> | <i>T</i> | <i>FACU</i> | <i>10.</i> | | |
| <i>3. Striped Maple</i> | <i>S</i> | <i>FACU</i> | <i>11.</i> | | |
| <i>4. Quaking Aspen</i> | <i>T</i> | <i>FACU</i> | <i>12.</i> | | |
| <i>5. Acer Rubrum</i> | <i>S</i> | <i>FAC</i> | <i>13.</i> | | |
| <i>6. Bracken Fern</i> | <i>H</i> | <i>FACU</i> | <i>14.</i> | | |
| <i>7. Canada-maid Plover</i> | <i>H</i> | <i>FAC</i> | <i>15.</i> | | |
| <i>8. Staghorn Clubmoss</i> | <i>H</i> | <i>FAC</i> | <i>16.</i> | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/8 37%</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.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i> | |
| Remarks: | |

Date: 7/24/06
 Community ID: upland
 Plot ID: AR-943A-SS2

SOILS

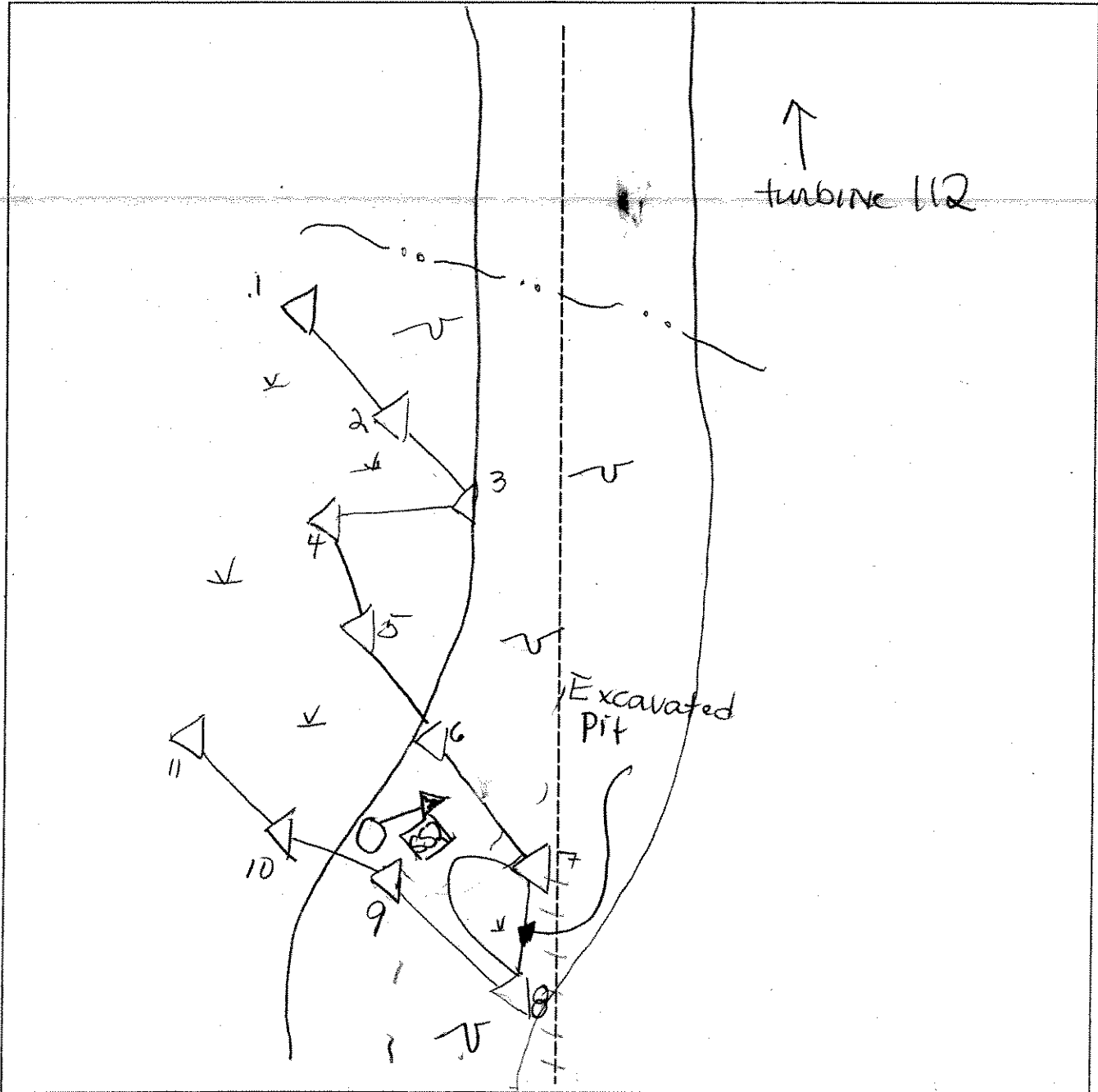
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|--|----------------------------------|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) |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

SKETCH FORM

| | | |
|--------------------------------|---|--------------|
| Wetland ID/Route #: AR 943A | Date: 7-24-00 | Time: |
| Initials of Delineators: | Location: Access Road between Turbines S | |
| Roll #: KH | Frames: | 112 and 114. |



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

N ↑

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

| | | | |
|--|---|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KIT, JV</i> | Date: <i>7/27/06</i> County: Clinton State: NY | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes <input type="radio"/> Yes <input type="radio"/> Yes </td> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/> No </td> </tr> </table> | <input type="radio"/> Yes <input type="radio"/> Yes <input type="radio"/> Yes | <input checked="" type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/> No |
| <input type="radio"/> Yes <input type="radio"/> Yes <input type="radio"/> Yes | <input checked="" type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/> No | | |
| Community ID: <i>wetland</i> Transect ID: Plot ID: <i>MR-945A-SSI</i> | | | |

VEGETATION

| Plant Community Classification: <i>PEM</i> | | | | | |
|--|----------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>10</i> Herb: <i>50</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer Rubrum</i> | <i>S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Redon Sweet</i> | <i>H</i> | <i>FAC</i> | 10. | | |
| 3. <i>MOSS sp.</i> | <i>H</i> | <i>-</i> | 11. | | |
| 4. <i>Grass sp.</i> | <i>H</i> | <i>*</i> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i> | | | | | |
| Remarks: <i>* see bag</i> <i>Appears to be man-made ditch-</i> | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>4</i> | |
| Remarks: <i>pix #5 looks N C SSI</i> | |

Date: 7/24/06
 Community ID: wetland
 Plot ID: PR-945A-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. |
| 0-1 | O | 10YR-2/1 | | | loam |
| 1-8 | A | 7.5YR-3/3 | | common / well / fine | sandy loam |
| 8-18 | E | 10YR-5/2 | 7.5YR-7/6 | Few / coarse / distinct | sand |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: - depleted matrix in A layer | | | | | |

WETLAND DETERMINATION

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

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

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i> | Date: <i>7/14/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>upland</i> Transect ID: Plot ID: <i>AM-945A-SSA</i> | | | | | | | |

VEGETATION

| | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Plant Community Classification: <i>Beach-Maple Forest</i> | | | | | |
| Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>70</i> Herb: <i>20</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>Representative Plot - see AM-943A-SSA - similar data.</i> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i> | |
| Remarks: | |

Date: 7/24/06
 Community ID: upland
 Plot ID: AA-945A-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

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:

Representative plot - ~~AA-943A-SS2~~
 data sheet

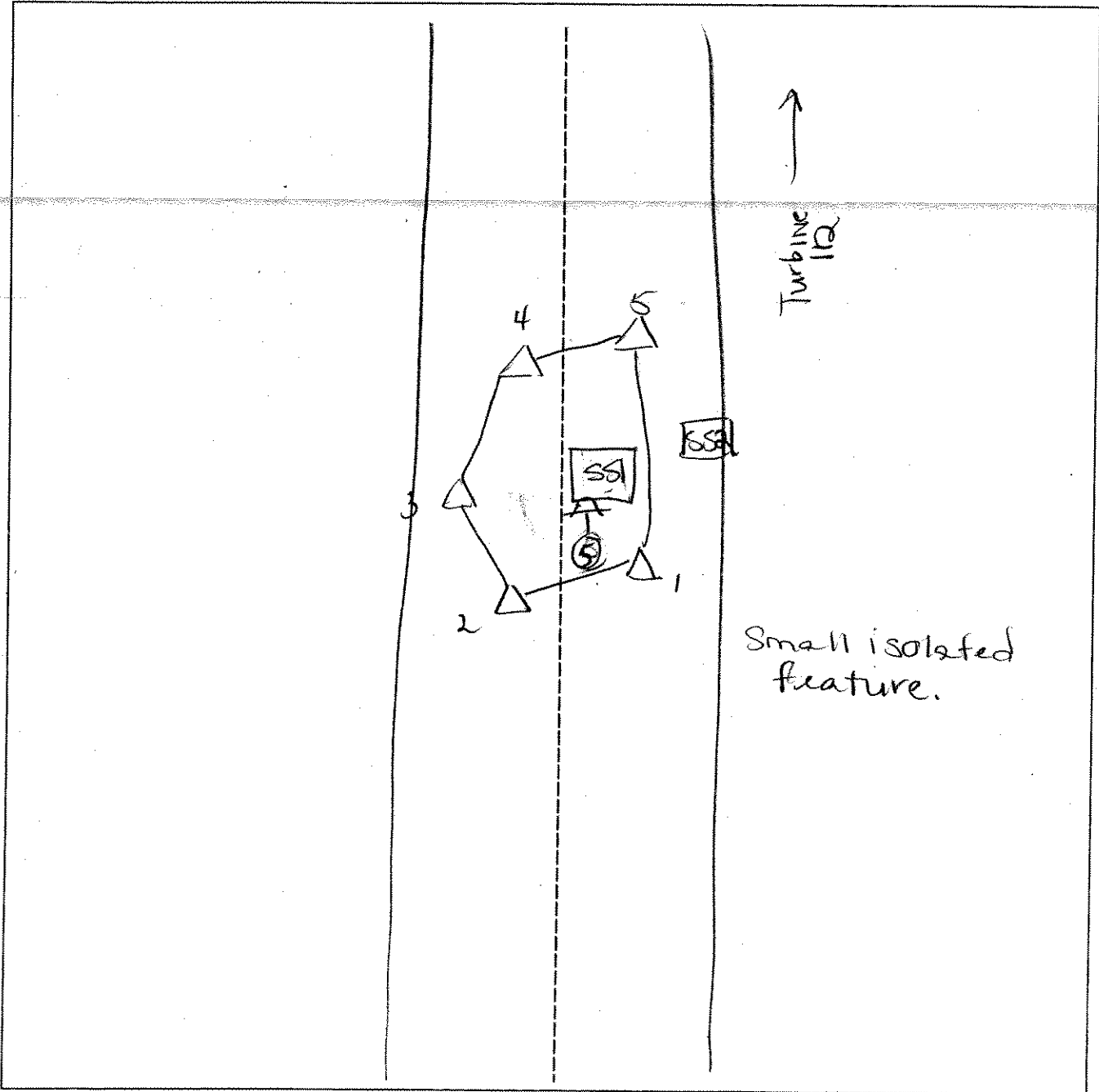
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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 #: AR945A | Date: 7-24-06 | Time: |
| Initials of Delineators: KH JV | Location: AR to turbine 12 | |
| 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: KH, J | Date: 7/24/06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.) | Community ID: wetland Transect ID: Plot ID: AR-946B-SS1 |

VEGETATION

| Plant Community Classification: PEM1PT01 | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 10 Shrub: 10 Herb: 95 Vine: 5 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Grey Birch | S | FAC | 9. | | |
| 2. Spring Club Moss | H | FACW | 10. | | |
| 3. Grey Birch | H | FAC | 11. | | |
| 4. Sphagnum | H | OBL | 12. | | |
| 5. Acid Rubus | T | FAC | 13. | | |
| 6. Gray Dogwood | S | FAC | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: * NI - assured OBL | | | | | |

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 places <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 checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): 10 Depth to Saturated Soil (in.): 0 | |
| Remarks: PIX#6 @ SSI - NE | |

Date: 7/24/06
 Community ID: wetland
 Plot ID: AA-946B-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-7 | A | 7.5YR-5/3 | | | Silty sand |
| 7-12 | E | 10YR-5/2 | 10YR-5/6 | Few/Fine/Faint | 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:

- Reduced Matrix in A + E layers
 - Soils highly disturbed - Man made ditch holding water

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JKA, JV</i> | Date: <i>7/24/26</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR-946B-550</i> |

VEGETATION

| | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: | | | | | |
| | Tree: | | Shrub: | | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>Use upland plot for wB-112B-552 - shaded plot</i> <i>wetland wB-112B-drains into AR-946B-C connected</i> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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: 7/24/06
 Community ID: upland
 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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: *shaded plot with WTG-112B-SS2*

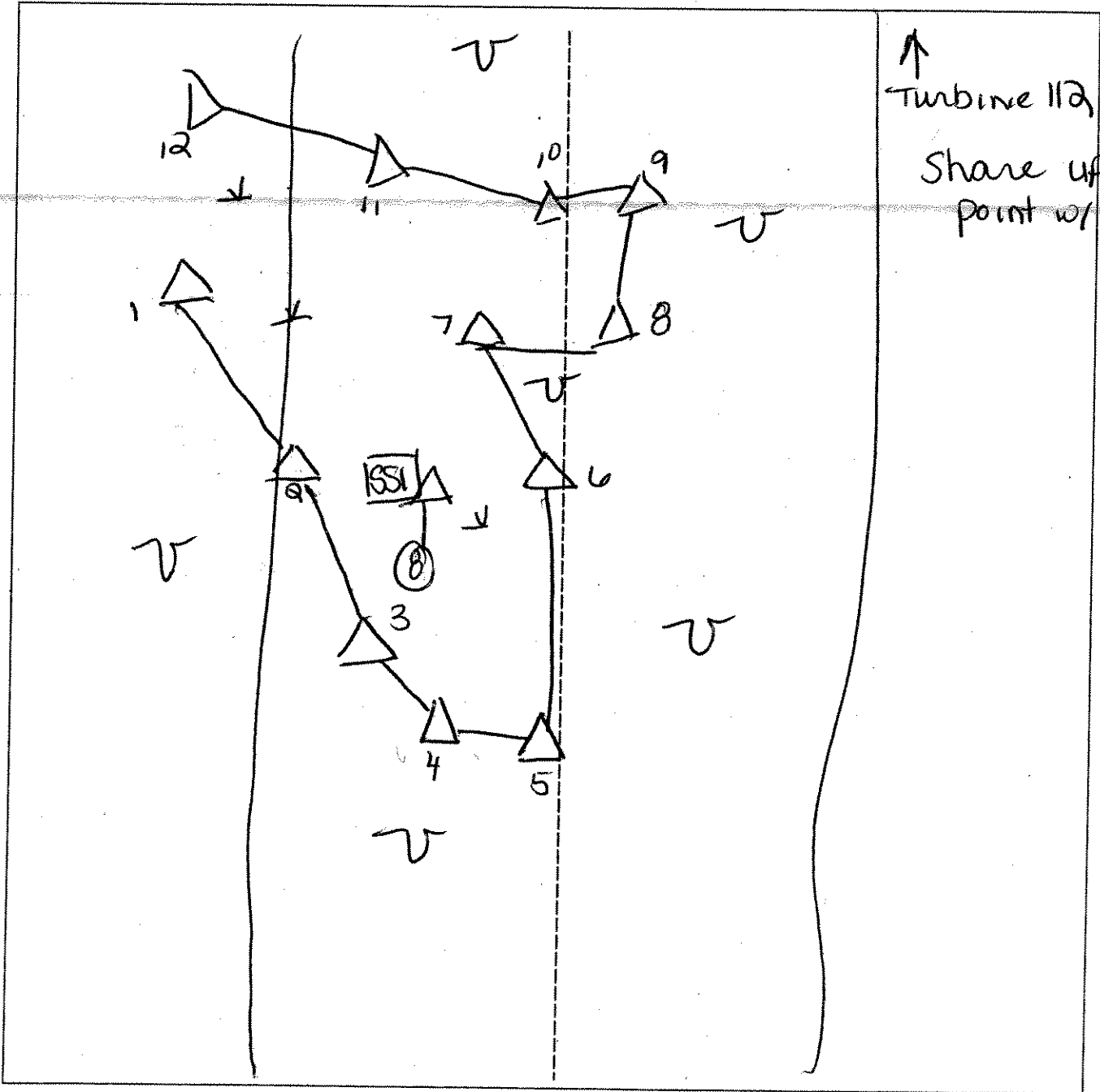
WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|-------------------------------------|--|
| 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 #: AR946B | Date: 7-24-06 | Time: |
| Initials of Delineators: RH N | Location: AR to turbine 11a | |
| Roll #: RH | Frames: | |



| | | | |
|--|---------------|--|--|
| <ul style="list-style-type: none"> Photo Location/Direction Sample Station Centerline Flag | Legend | <ul style="list-style-type: none"> 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: <i>KH, JV</i> | Date: <i>7/25/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>wetland</i> Transect ID: Plot ID: <i>AR947A-551</i> | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: | | | | | |
| Tree: | | Shrub: | | Herb: | |
| Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>Same wetland as AR218 A/B - see existing data sheets</i> <div style="text-align: center; margin-top: 10px;"><i>shored point</i></div> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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: 7/25/86
 Community ID: wetland
 Plot ID: AR947A

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

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? <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: SEE AR 218A/B data sheets

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH JV</i> | Date: <i>7/25/06</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR 947A-SS2</i> |

VEGETATION

| Plant Community Classification: <i>Deciduous Forest</i> | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>Some forest as AR 218A/B-SS2 with sheet shared point with AR 218A/B</i> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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: 7/25/06
 Community ID: upland
 Plot ID: AR 947 A-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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| | | | | | |
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| | | | | | |

Hydro Soil Indicators

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

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

Remarks:

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

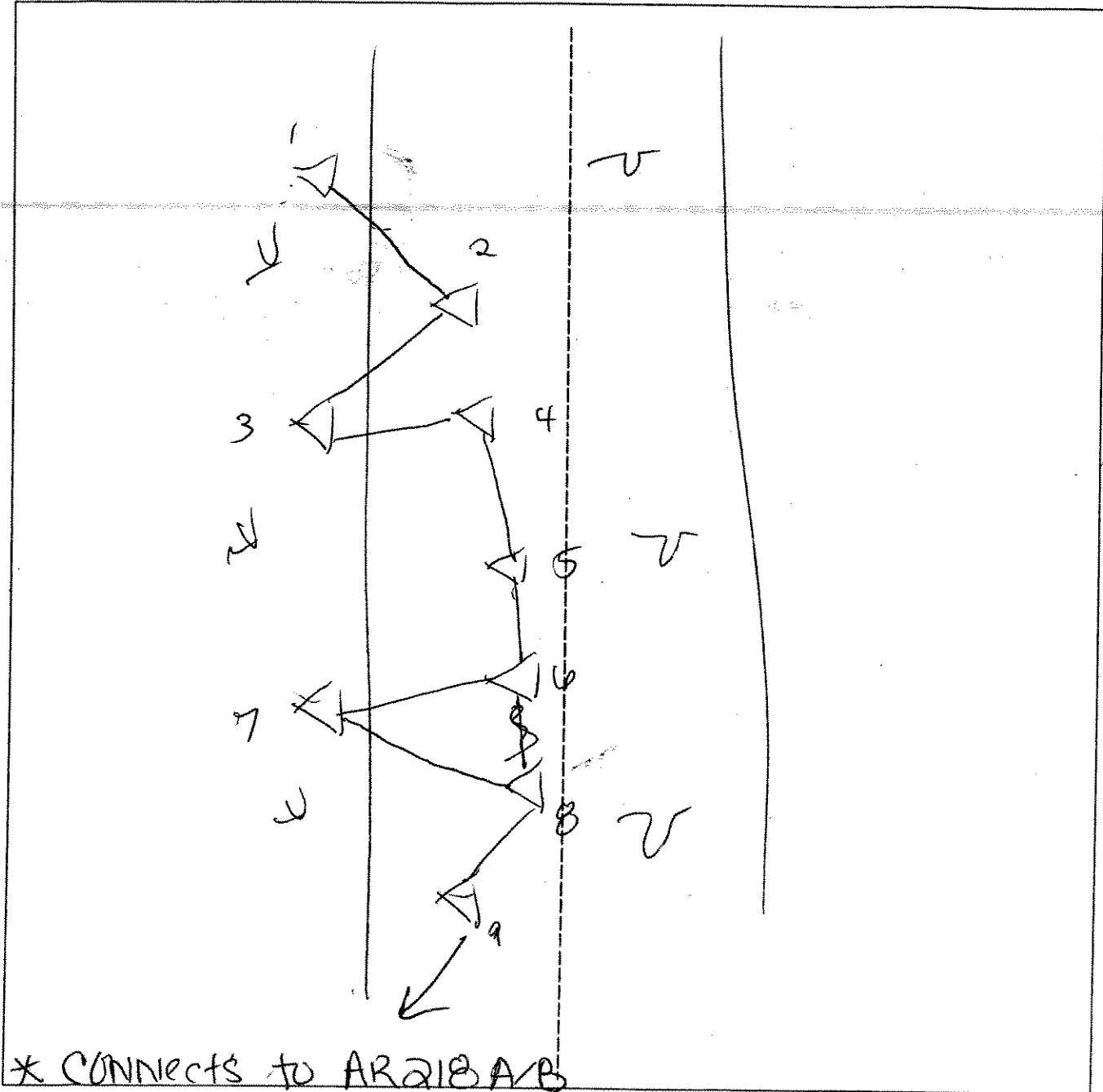
Is this Sample Station Point Within a Wetland? Yes No

Remarks

SEE AR 218 A/B-SS2 (upL) data sheet
 Same wetland features
 upland

SKETCH FORM

| | | |
|---------------------------------------|---------------------------------------|-------|
| Wetland ID/Route #: AR947A | Date: 7-25-00 | Time: |
| Initials of Delineators: KH | Location: AR to turbine 116 | |
| 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)**

AR947A EXTENSION

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i> | Date: <i>5/10/07</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <i>Yes</i> No Is the site significantly disturbed (Atypical Situation)? Yes <i>No</i> Is the area a potential Problem Area? Yes <i>No</i> (If needed, explain on reverse.) | Community ID: <i>AR 210B</i> Transect ID: <i>AR947A</i> Plot ID: <i>PF01</i> |

VEGETATION

| Plant Community Classification: | | | | | |
|--|------------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>100</i> Shrub: <i>30</i> Herb: <i>60</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Chowcherry</i> | <i>T</i> | <i>FAC</i> | 9. | | |
| 2. <i>Acer rubrum</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>Ash sp</i> | <i>SAP</i> | <i>-</i> | 11. | | |
| 4. <i>Maianthemum canadense</i> | <i>H</i> | | 12. | | |
| 5. <i>Sphagnum moss</i> | <i>H</i> | <i>OBC</i> | 13. | | |
| 6. <i>Lythrum americanum</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>750%</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 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>6"</i> Depth to Saturated Soil (in.): <i>0"</i> | |
| Remarks: | |

Date: 5/10/07
 Community ID: wetland 581
 Plot ID: AR218B
 AR947A 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 | 10YR 2/1 | | | silt |
| 4-12 | A | 10YR 2/2 | 7.5YR 3/4 | faint, common, fine | clay lam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: refusal @ 12", saturation @ 0", water in pit @ 6"

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 mapped NW1 SW
 9 = E
 area has been disturbed. Pits throughout 551.

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV NP</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>WR</i> Transect ID: Plot ID: <i>AR 218 A 552</i> <div style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;"><i>AR 947A</i> EXT</div> |

VEGETATION

| Plant Community Classification: <i>Mixed deciduous</i> Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>20</i> Herb: <i>65</i> Vine: <i>0</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| <i>1. Gray Birch</i> | <i>T</i> | <i>FAC</i> | <i>9.</i> | | |
| <i>2. Red maple</i> | <i>T</i> | <i>FAC</i> | <i>10.</i> | | |
| <i>3. Red maple</i> | <i>S</i> | <i>FAC</i> | <i>11.</i> | | |
| <i>4. hobble bush</i> | <i>S</i> | <i>FACU</i> | <i>12.</i> | | |
| <i>5. Rudbeckia canadensis</i> | <i>H</i> | <i>FAC</i> | <i>13.</i> | | |
| <i>6. Whorled wood aster</i> | <i>H</i> | <i>FAC</i> | <i>14.</i> | | |
| <i>7. Rhyssolium complanatum</i> | | <i>FAC</i> | <i>15.</i> | | |
| <i>8.</i> | | | <i>16.</i> | | |
| 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: 5/10/07
 Community ID: UPL
 Plot ID: AR 821 A-88a
 AR 947 A

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 | | | sandy clay loam |
| 4-12 | A | 7.5YR 5/2 | 7.5YR 3/1 | fair, fine, fine | 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: soil sandy, dry, crumbles easily

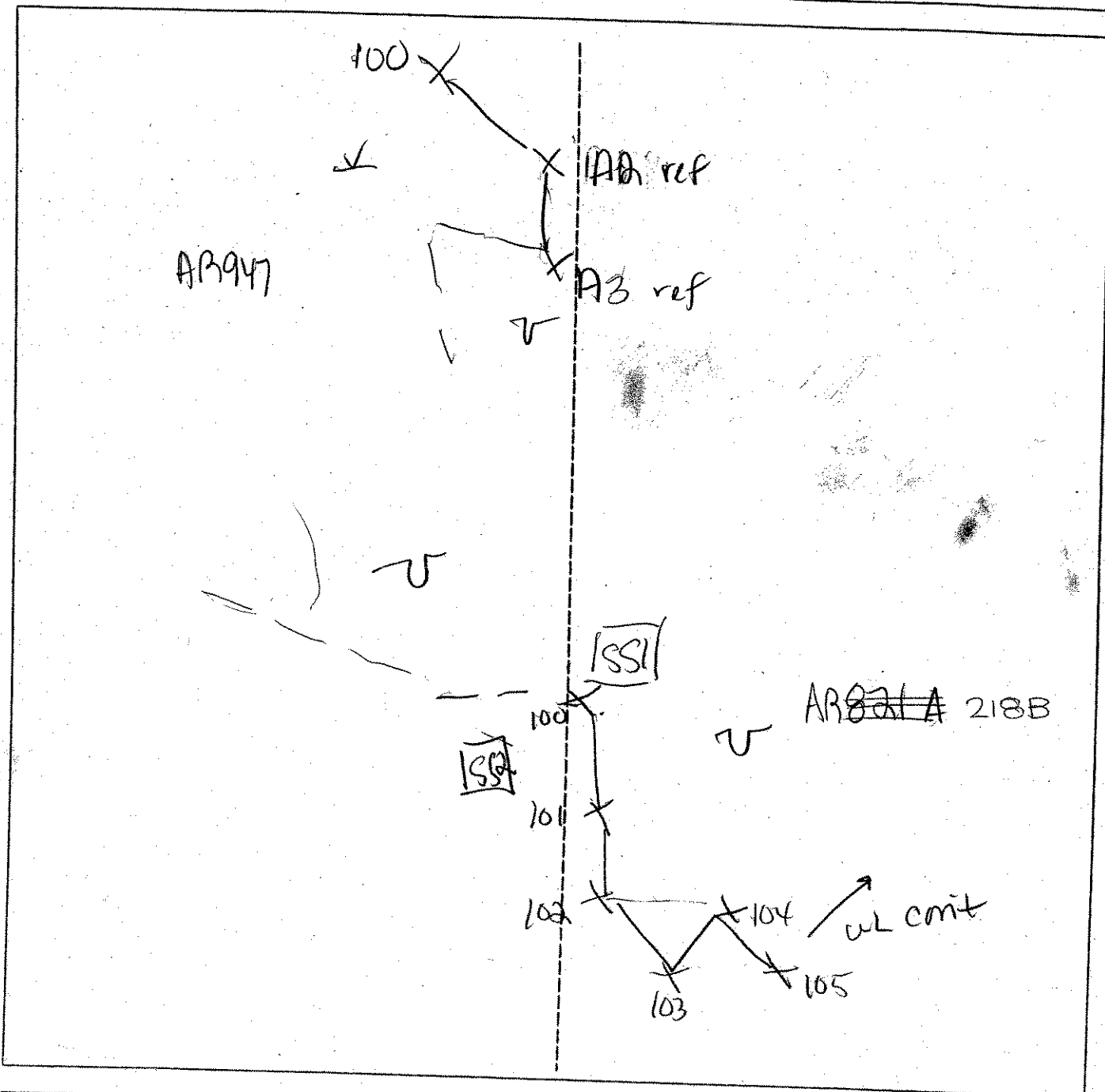
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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 #: AR210B + AR947A | | Date: 5/10/07 | Time: |
| Initials of Delineators: JV AP | | Location: T.100 | |
| 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: <i>KK, JV</i> | Date: <i>7/25/06</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR-949A-551</i> |

VEGETATION

| Plant Community Classification: <i>PEM</i> | | | | | |
|--|------------|-------------|----------------------------|----------|------------|
| Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red Maple</i> | <i>T</i> | <i>FAC</i> | 9. <i>Grass sp</i> | <i>H</i> | <i>-</i> |
| 2. <i>Groenland Birch</i> | <i>S</i> | <i>FAC</i> | 10. <i>Hatchers Grassy</i> | <i>H</i> | <i>OBL</i> |
| 3. <i>Wood Grass</i> | <i>H</i> | <i>OBL</i> | 11. | | |
| 4. <i>Syringia Biflora</i> | <i>I-H</i> | <i>OBL</i> | 12. | | |
| 5. <i>Sphagnum</i> | <i>H</i> | <i>OBL*</i> | 13. | | |
| 6. <i>Vernic Leaf Golden Rod</i> | <i>H</i> | <i>FACW</i> | 14. | | |
| 7. <i>Steeple Rush</i> | <i>I-H</i> | <i>FACW</i> | 15. | | |
| 8. <i>Moss sp.</i> | <i>I-H</i> | <i>-</i> | 16. | | |
| Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i> | | | | | |
| Remarks: <i>*NB - presumed OBL</i> | | | | | |

HYDROLOGY

| | |
|--|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input 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>< 1</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i> | Remarks: <i>pit # 6 w c 551</i> |

Date: 7/25/06
 Community ID: wetland
 Plot ID: AH-949A-551

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | O | 10YR 5/1 | | | organics/roots |
| 2-8 | A | 10YR 5/1 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 of auger 6 inches
 - soils all organics - undecomposed plant matter

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: Marble River Applicant/Owner: Marble River, LLC Investigator: | Date: <u>7/25/06</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; 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: Transect ID: Plot ID: <u>AR-949A-552</u> | | | |

VEGETATION

| | | | | | |
|--|--|------------------------|-----|-----------|--|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: | | | | | |
| Tree: | | Shrub: | | Herb: | |
| Stratum | | Indicator | | Vine: | |
| Dominant Plant Species | | Dominant Plant Species | | Stratum | |
| Indicator | | Indicator | | Indicator | |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>Shared 552 with AA948A-552</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 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: 7/25/08
 Community ID: ~~AA-949A~~ upland
 Plot ID: AA-949A-552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

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

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?

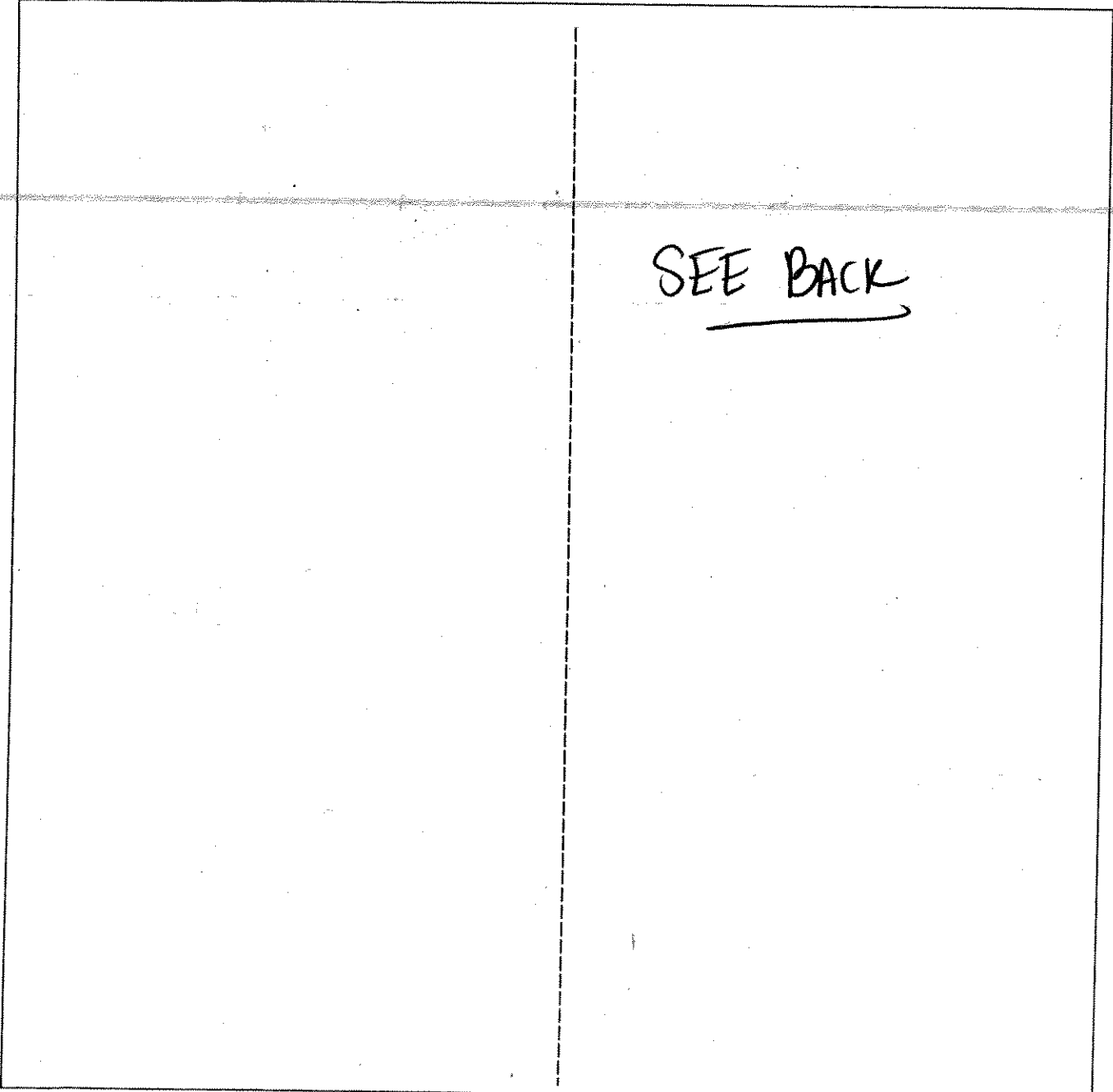
Yes No
 Yes ~~No~~
 Yes ~~No~~

Is this Sample Station Point Within a Wetland? Yes ~~No~~

Remarks

SKETCH FORM

| | | |
|------------------------------------|---|-------|
| Wetland ID/Route #: AR948/AR949 | Date: 1-25-06 | Time: |
| Initials of Delineators: KH JV | Location: AR between turbine 137 + 138 | |
| 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: KH, J | Date: 7/25/06 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.) | <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: wetland Transect ID: Plot ID: A02950A-SS1 | | | | | | | |

VEGETATION

| Plant Community Classification: PFO1 | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 70 Shrub: 30 Herb: 95 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Red Maple | T | FAC | 9. Golden Rod sp | H | - |
| 2. Green Birch | T | FAC | 10. Sphagnum | H | OBL* |
| 3. Red Maple | S | FAC | 11. | | |
| 4. Green Birch | S | FAC | 12. | | |
| 5. Speckled Alder | S | FACW | 13. | | |
| 6. Nanny Berry | S | FAC | 14. | | |
| 7. Grass sp | H | - | 15. | | |
| 8. Scaepé Bush | H | FACW | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: * ND - assumed OBL | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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 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.): 3 Depth to Saturated Soil (in.): 0 | |
| Remarks: pix #7 looks w @ SSI | |

Date: 7/25/06
 Community ID: wetland
 Plot ID: AR 950A-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. |
|--|--------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-1 | A | 10YR-2/1 | | | organic/silt/loam |
| 1-5 | A | 2.5Y-4/1 | | | sandy loam |
| 5-6 | B | 2.5Y-5/3 | 2.5Y-5/6 | fine/coarse/paint | 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 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: *Refusal auger at 6 inches*

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: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>W.H. JV</i> | Date: <i>7/25/06</i> County: Clinton State: NY | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>Upland</i> Transect ID: Plot ID: <i>AR 950A-552</i> | | | |

VEGETATION

| Plant Community Classification: <i>Deciduous Forest</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>50</i> Herb: <i>70</i> Vine: <i>0</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>Big Toad Aspen</i> | <i>T</i> | <i>FACV</i> | 10. | | |
| 3. <i>Grey Birch</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Sugar Maple</i> | <i>S</i> | <i>FACV</i> | 12. | | |
| 5. <i>Bracken fern</i> | <i>H</i> | <i>FACV</i> | 13. | | |
| 6. <i>Canada Mayflower</i> | <i>H</i> | <i>FAC</i> | 14. | | |
| 7. <i>Low Bush Blueberry</i> | <i>H</i> | <i>FACV</i> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/7 28%</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.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i> | |
| Remarks: | |

Date: 7/25/06
 Community ID: upland
 Plot ID: AR 950A-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 | | | loam / roots |
| 2-5 | E | 2.5Y-5/2 | | | Sand |
| 5-6 | B | 2.5Y-5/4 | | | 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: refusal auger at 8 inches

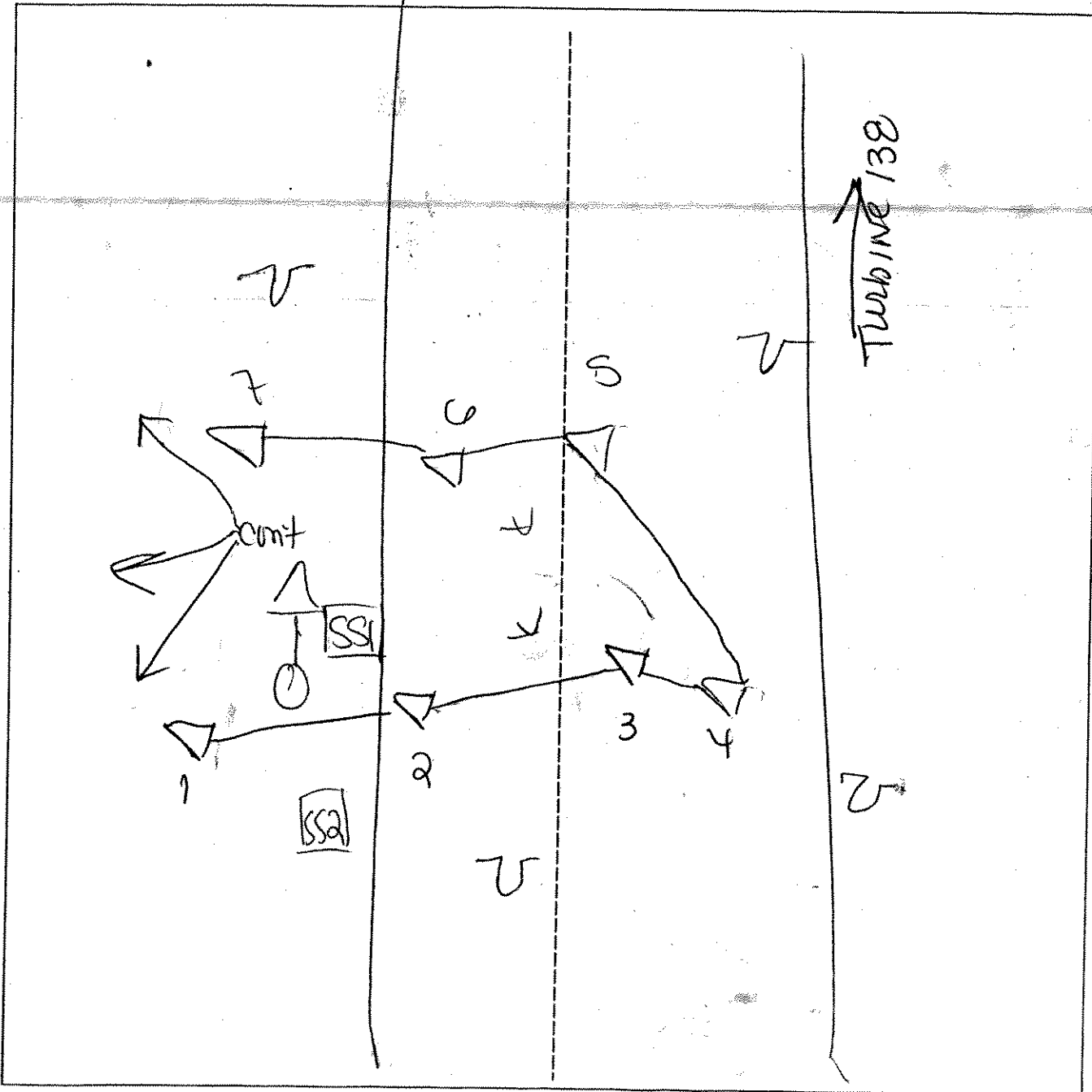
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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 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 #: AR950A | Date: 7.25.06 | Time: |
| Intials of Delineators: KH JV | Location: AB TO turbine 138 | |
| Roll #: | Frames: | |



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

N

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

| | | | |
|--|---|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KA, JV</i> | Date: <i>7/25/08</i> County: Clinton State: NY | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>Wetland</i> Transect ID: Plot ID: <i>AD-951A-SS1</i> | | | |

VEGETATION

| Plant Community Classification: <i>PFOL/PEM</i> | | | | | | |
|---|----------|------------|------------------------|---------|-----------|--|
| Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>10</i> Herb: <i>95</i> Vine: <i>0</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>Yellow Birch</i> | <i>T</i> | <i>FAC</i> | 10. | | | |
| 3. <i>Golden Rod sp</i> | <i>H</i> | <i>-</i> | 11. | | | |
| 4. <i>Rubus sp</i> | <i>H</i> | <i>-</i> | 12. | | | |
| 5. <i>Fern - wood</i> | <i>H</i> | <i>FAC</i> | 13. | | | |
| 6. <i>Grass sps</i> | <i>H</i> | <i>-</i> | 14. | | | |
| 7. | | | 15. | | | |
| 8. | | | 16. | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i> | | | | | | |
| Remarks: | | | | | | |

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available | 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>8 in</i> | |
| Remarks: | |

Date: 7/25/06
 Community ID: wetland
 Plot ID: AR95/A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-2 | O1A | 10YR-2/1 | | | lean/organics |
| 2-14 | B | 2.5Y-5/3 | 10YR-4/6 | Common/fine/finest | Sandy loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: Refusal 14 inches

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

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA, JV</i> | Date: <i>7/25/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; width: 50%;"><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: Transect ID: Plot ID: <i>AR-95/A-55a</i> | | | | | | | |

VEGETATION

| Plant Community Classification: <i>Deciduous Forest</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>10</i> Herb: <i>95</i> Vine: <i>0</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>Wood Fern</i> | <i>H</i> | <i>FACU</i> | 10. | | |
| 3. <i>Golden Rod sp</i> | <i>H</i> | <i>-</i> | 11. | | |
| 4. <i>Fern sp</i> | <i>H</i> | <i>-</i> | 12. | | |
| 5. <i>Wood Fern</i> | <i>H</i> | <i>FACU</i> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</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 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>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i> | |
| Remarks: <i>pH # 8 looks NE-C SS1</i> | |

Date: 7/25/06
 Community ID: upland
 Plot ID: AR-951A-550

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-6 | A | 7.5YR-3/4 | | | Silt loam |
| 6-8 | B | 7.5YR-4/4 | | | Silt loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: *refused auger @ 8 inches*

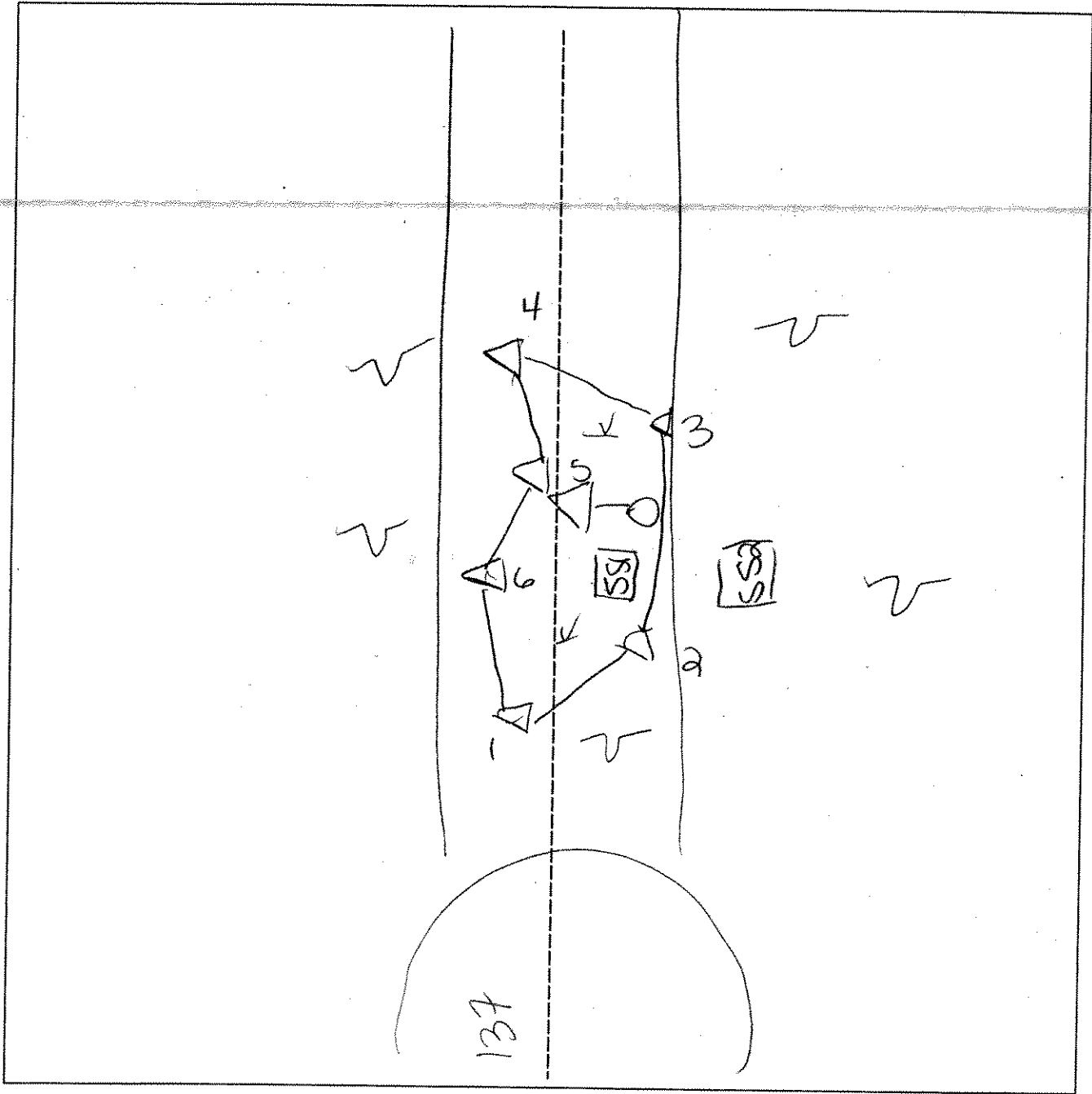
WETLAND DETERMINATION

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

SKETCH FORM

| | | |
|-----------------------------------|--------------------------------|-------|
| Wetland ID/Route #: AA951A | Date: 7-25-06 | Time: |
| Initials of Delineators: KH JV | Location: AR to turbine 138 | |
| Roll #: | Frames: | |



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

← N

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

| | | | | | | | |
|--|--|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|--------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JK, JV</i> | Date: <i>7/26/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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 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: <i>wetland</i> Transect ID: Plot ID: <i>AR90A-551</i> | | | | | | | |

VEGETATION

| Plant Community Classification: <i>PF01</i> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>20</i> Herb: <i>95</i> Vine: <i>0</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>Red Maple</i> | <i>S</i> | <i>FAC</i> | 10. | | |
| 3. <i>Nanny Berry</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Sphagnum</i> | <i>H</i> | <i>OBL*</i> | 12. | | |
| 5. <i>Moss Sp.</i> | <i>H</i> | <i>-</i> | 13. | | |
| 6. <i>Aster Sp.</i> | <i>H</i> | <i>-</i> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i> | | | | | |
| Remarks: <i>*NI-assumed OBL</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 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>-</i> Depth to Free Standing Water in Pit (in.): <i>2</i> Depth to Saturated Soil (in.): <i>0</i> | |
| Remarks: <i>photo 1 looks w c s s i</i> | |

Date: 7/26/06
 Community ID: wetland
 Plot ID: MA 952 A-551

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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-2 | D | | | | organics / Peat |
| 2-6 | A | 10YR-2/1 | | | sandy silt loam |
| 6-16 | B | 10YR-4/1 | 10YR-4/8 | Few / coarse / distinct | Sandy 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: refusal rough at 10 inches

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

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i> | Date: <i>7/26/08</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Community ID: <i>upland</i> Transect ID: Plot ID: <i>1A952A-552</i> | |

VEGETATION

Plant Community Classification: *Maple forest*
 Percent Canopy Cover: Tree: *50* Shrub: *60* Herb: *90* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------|----------|-------------|----------------------------|----------|-------------|
| 1. <i>Red Maple</i> | <i>T</i> | <i>FAC</i> | 9. <i>Canada Mayflower</i> | <i>H</i> | <i>FAC-</i> |
| 2. <i>American Beach</i> | <i>S</i> | <i>FACW</i> | 10. | | |
| 3. <i>Striped Maple</i> | <i>S</i> | <i>FACW</i> | 11. | | |
| 4. <i>Red Maple</i> | <i>S</i> | <i>FAC</i> | 12. | | |
| 5. <i>Broadleaf Fern</i> | <i>H</i> | <i>FACW</i> | 13. | | |
| 6. <i>Red Maple</i> | <i>H</i> | <i>FAC</i> | 14. | | |
| 7. <i>Tree Milk Chub Moss</i> | <i>H</i> | <i>FACW</i> | 15. | | |
| 8. <i>Moss sp</i> | <i>H</i> | <i>-</i> | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *3/8 37%*

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 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>2</i> | |
| Remarks: <i>Heavy extended rains causing (likely) false positive for saturation</i> | |

Date: 7/26/06
 Community ID: Upland
 Plot ID: AR-952A-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 | O/A | 10YR-3/2 | | | silt loam / roots |
| 3-6 | B | 10YR-4/6 | | | sandy silt loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

- Refusal auger 6 inches
 - some evidence of depleted matrix in B layer
 ~ 6 inches down.

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

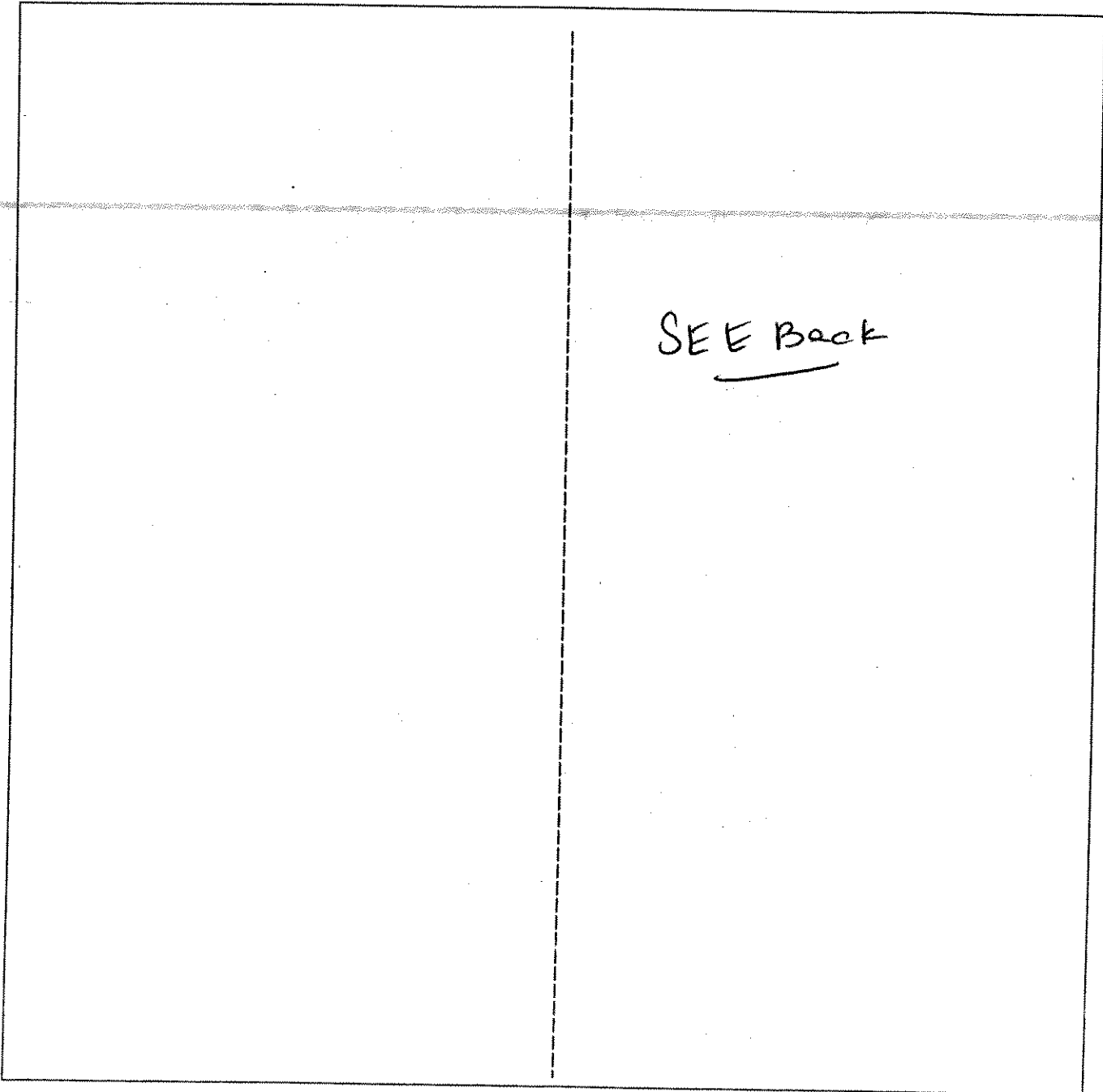
Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

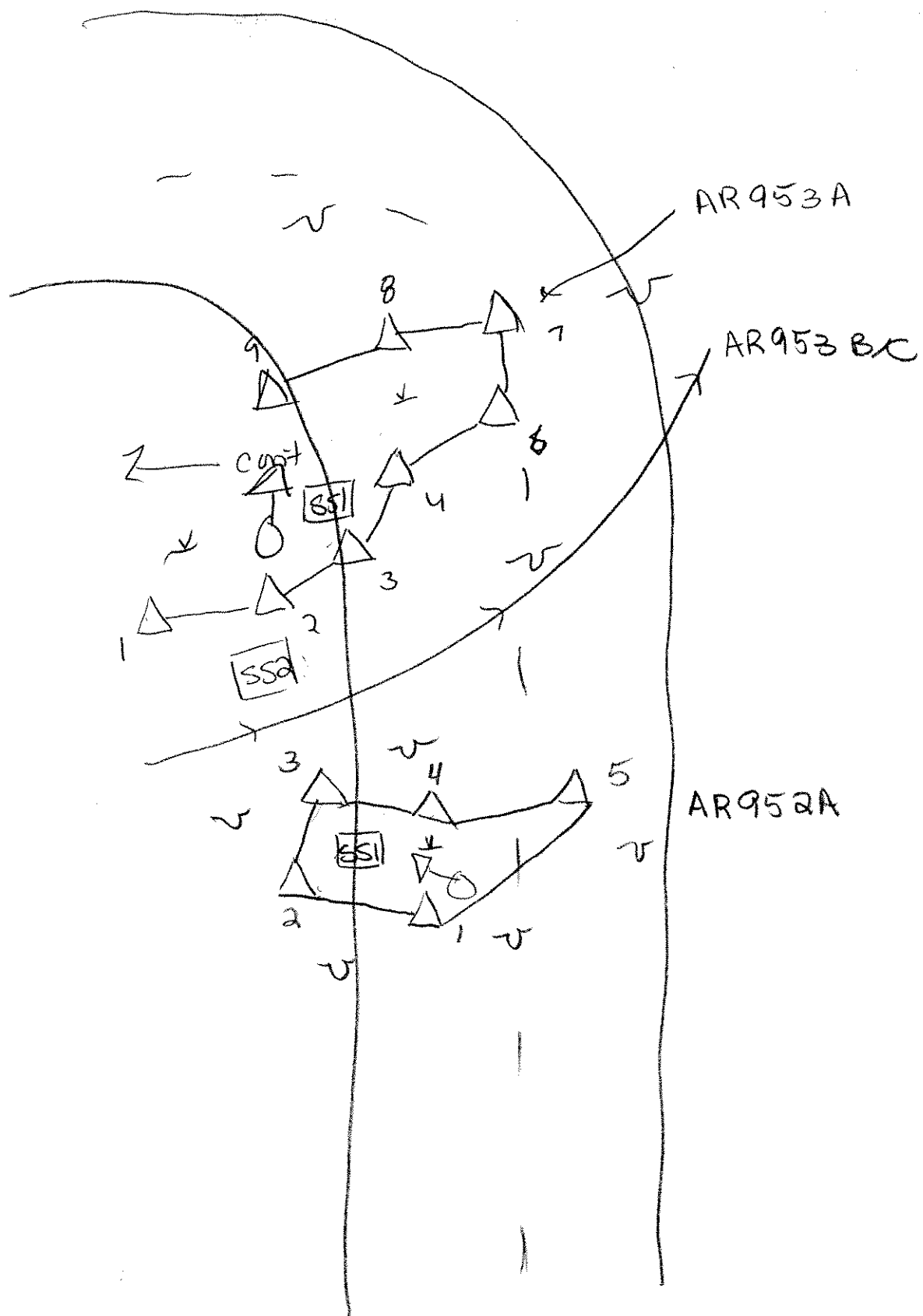
952

| | | |
|--|--------------------------------|-------|
| Wetland ID/Route #: AR953A & AR954A | Date: 7-26-06 | Time: |
| Initials of Delineators: KH OV | Location: AR to turbine 138 | |
| Roll #: 1 => 953A, 2 => AR954A | | |



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

57P



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

| | | | | | | | |
|--|---|--------------------------------------|--------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH JTV</i> | Date: <i>7/26/08</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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: <i>wetland</i> Transect ID: Plot ID: <i>MR954A-SSI</i> | | | | | | | |

VEGETATION

| Plant Community Classification: <i>PF01</i> | | | | | |
|---|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>40</i> Herb: <i>95</i> Vine: <i>0</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>Big Tooth Aspen</i> | <i>T</i> | <i>FACU-</i> | 10. | | |
| 3. <i>White Birch</i> | <i>S</i> | <i>FAC</i> | 11. | | |
| 4. <i>Red Maple</i> | <i>S</i> | <i>FAC</i> | 12. | | |
| 5. <i>Sphagnum</i> | <i>H</i> | <i>OBLX</i> | 13. | | |
| 6. <i>Aspen sp.</i> | <i>H</i> | | 14. | | |
| 7. <i>Green SW</i> | <i>H</i> | <i>FACW</i> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/6 66%</i> | | | | | |
| Remarks: <i>XMI - assumed OBL</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 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>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>1</i> | |
| Remarks: <i>pit #5 looks NE SSI</i> | |

Date: 7/26/06
 Community ID: wetland
 Plot ID: AR 954A-SS1

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. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-1 | O | | | | organics/Peat |
| 1-2 | A | 10YR-2/1 | | | Sandy loam |
| 2-4 | E | 10YR-5/1 | | | Sandy loam |
| 4-8 | B | 2.5Y-5/3 | 2.5Y-5/6 | Few/Fine/Faint | Sand 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: Refusal of auger @ 8 inches

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: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i> | Date: <i>7/26/06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | Yes | <input checked="" type="radio"/> No | Yes | <input checked="" type="radio"/> No |
| <input checked="" type="radio"/> Yes | <input type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Community ID: <i>Dipland</i> Transect ID: Plot ID: <i>AR 954A-SS2</i> | | | | | | | |

VEGETATION

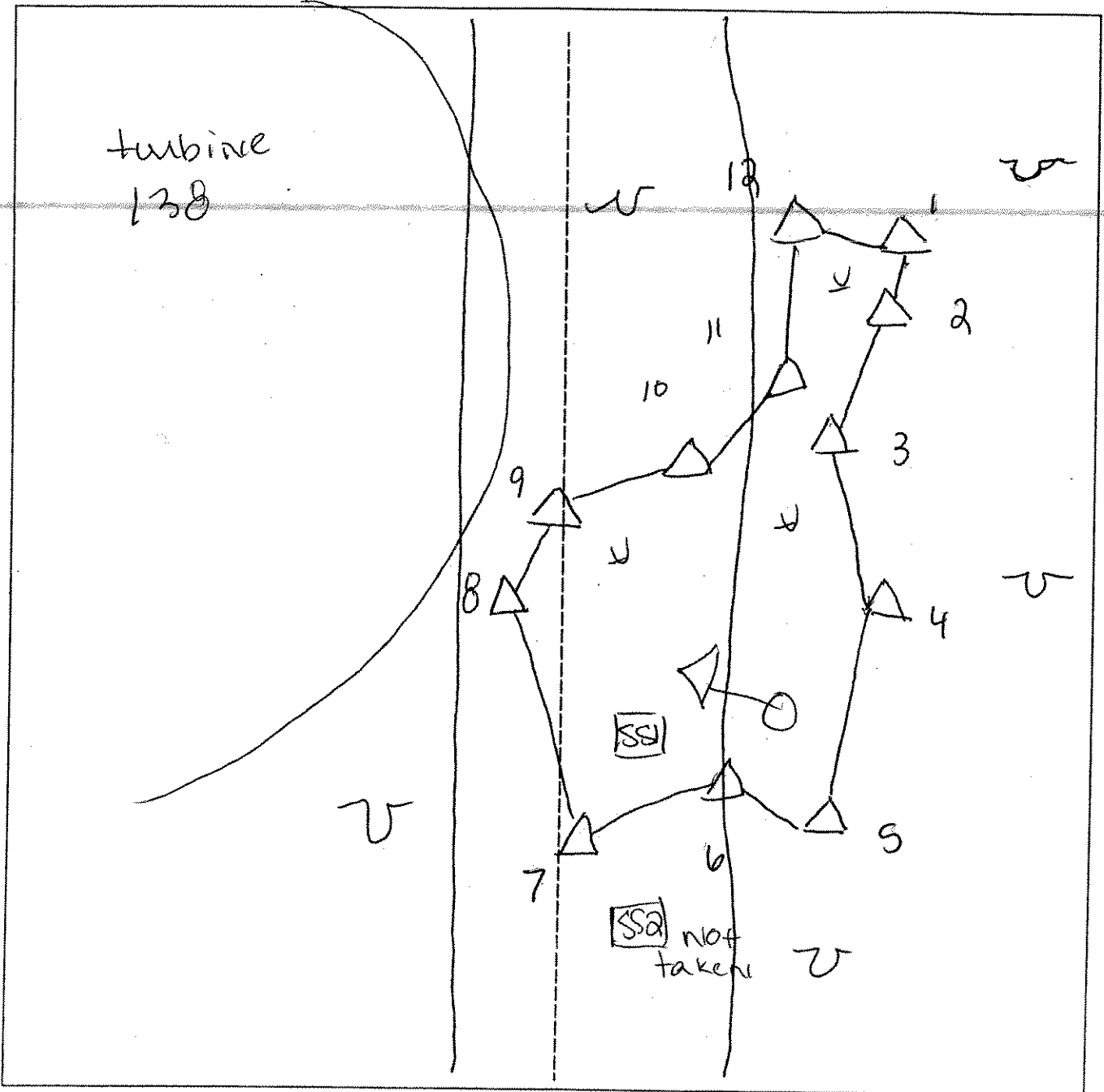
| | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: Tree: Shrub: Herb: Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <i>Shared point with AR103/A-SS2 (Cupland point)</i> | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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: | |

SKETCH FORM

| | | |
|---------------------------------------|--|-------|
| Wetland ID/Route #: AR958A | Date: 7-26-00 | Time: |
| Initials of Delineators: KH JV | Location: AR to turbine 138 @ close | |
| 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: KH JV | Date: 7/25/06 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.) | <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: wetland Transect ID: Plot ID: AR 955A-1 | | | |

VEGETATION

| Plant Community Classification: PEM | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Steeple Bush | H | FACW | 9. | | |
| 2. Juncus Effusus | H | FACW | 10. | | |
| 3. Meadow Sweet | H | FACW | 11. | | |
| 4. Banked willow | H | FACW | 12. | | |
| 5. Carex Sp. | H | FACW | 13. | | |
| 6. Carex sp. | H | - | 14. | | |
| 7. Silky willow | H | OBL | 15. | | |
| 8. Sensitive fern | H | FACW | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: Ag field - Ap layer - Evidence of logged trees CS trunks, wheel rts) | | | | | |

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 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.): 5 | |
| Remarks: Pit #6 looks SSSI | |

Date: 7/25/06
 Community ID: wetland
 Plot ID: AR 955A-551

SOILS

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

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|--|----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-5 | Ap | 2.5YR-2.5/1 | | | loam |
| 5-12 | B ^p | Gley - 6/10Y | 2.5Y-3/6 | Few / coarse / distinct | clay loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

| | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input 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 12 inches

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: Marble River Applicant/Owner: Marble River, LLC Investigator: | Date: 7/26/06 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: upland Transect ID: Plot ID: AR955A-SS2 | |

VEGETATION

Plant Community Classification: *open meadow*

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

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------|---------|-----------|------------------------|---------|-----------|
| 1. Green Birch | H | FAC | 9. | | |
| 2. Slender Golden Rod | H | FAC | 10. | | |
| 3. Hairy Golden Rod | H | UPL* | 11. | | |
| 4. Virginia Creeper | H | FAC | 12. | | |
| 5. Strawberry | H | FACW | 13. | | |
| 6. Green Leaf Golden Rod | H | FAC | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *4/6 66%*

Remarks: *Ag field - disturbed area
NI - assumed upland

HYDROLOGY

| | |
|--|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>2.2</i> | |
| Remarks: | |

Date: 7/26/06
 Community ID: upland
 Plot ID: AR955A-SS2

SOILS

Map Unit Name
 (Series and Phase):
 Taxonomy (SubGroup):

Drainage Class:
 Field Observations
 Confirm Mapped Type? Yes No

| Profile Description: Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|---|---------|---------------------------------|----------------------------------|--|--|
| 0-6 | AP | 7.5YR-3/2 | | | loam |
| 6-16 | B | 10YR-5/6 | | | sandy silt loam |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

Refusal auger at 10 inches

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

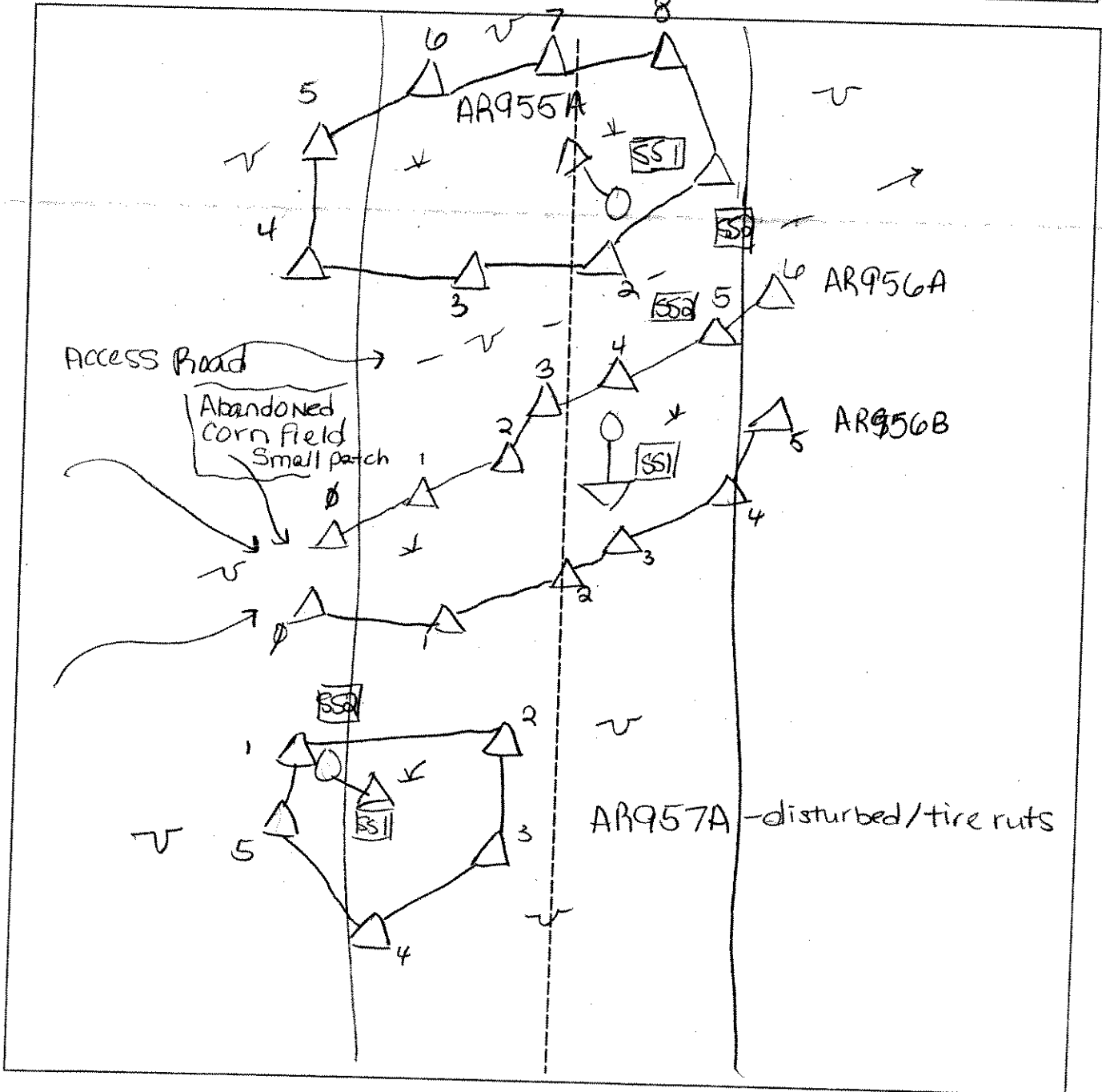
Is this Sample Station Point Within a Wetland? Yes No

Remarks

plants are disturbed after recent logging/agricultural use

SKETCH FORM

| | | | |
|---|---------|-------------------------------|-------|
| Wetland ID/Route #: AR955A, AR956A/B, AR957A | | Date: 7-27-06 | Time: |
| Initials of Delineators: KH | | Location: AR to turbine 4A | |
| Roll #: | Frames: | | |



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

N ↑

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RH JV</u> | Date: <u>7-28-06</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>PSS</u> Transect ID: <u>AR950A/B-SSI</u> Plot ID: |

VEGETATION

| Plant Community Classification: <u>PSS</u> | | | | | |
|--|----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>100%</u> Shrub: <u>5</u> Herb: <u>100</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Speckled Alder</u> | <u>T</u> | <u>FACW+</u> | <u>9.</u> | | |
| 2. <u>Grey Birch</u> | <u>T</u> | <u>FAC</u> | <u>10.</u> | | |
| 3. <u>Speckled Alder</u> | <u>S</u> | <u>FACW+</u> | <u>11.</u> | | |
| 4. <u>Juncus effusus</u> | <u>H</u> | <u>FACW+</u> | <u>12.</u> | | |
| 5. <u>Scirpus atrovirens</u> | <u>H</u> | <u>OBL</u> | <u>13.</u> | | |
| 6. <u>Carex scoparia</u> | <u>H</u> | <u>FACW</u> | <u>14.</u> | | |
| 7. <u>Carex sp.</u> | <u>H</u> | <u>—</u> | <u>15.</u> | | |
| 8 | | | <u>16.</u> | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: <u>Sphagnum moss observed on base of rock wall just outside of plot. patches Iris versicolor also observed.</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: <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>3"</u> | |
| Remarks: | |

Date: 7-28-06
 Community ID: PSS
 Plot ID: AR958A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-4 | Ap | 10YR 3/1 | — | — | fine silt loam |
| 4-8 | A | 10YR 3/1 | 10YR 5/4 | many/medium/distinct | fine silt loam |
| 8-12 | B | 10YR 5/3 | 10YR 4/6 | many/coarse/distinct | fine 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks:

Refusal @ 12" - observed gravel throughout horizons beneath Ap

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 => E P SSI

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RH JV | Date: 7-28-06 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: upland Transect ID: Plot ID: AR958A/B SSA |

VEGETATION

| Plant Community Classification: pasture | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Trifolium hybridum | H | FACU- | | | |
| 2. Trifolium repens | H | FACU- | | | |
| 3. Common plantain | H | FACU | | | |
| 4. Solidago sp. | H | — | | | |
| 5. Grass sp. | H | — | | | |
| 6. Carex sp. * | H | — | | | |
| 7. | | | | | |
| 8. | | | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0 | | | | | |
| Remarks: * ONLY few, single blades observed. Completely disappear beyond sample point. | | | | | |

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 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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 6" | |
| Remarks: Rain throughout the week and most recently in the morning. Possibly false positive | |

Date: 7-28-06
 Community ID: Upland
 Plot ID: AR958A-SSI

SOILS

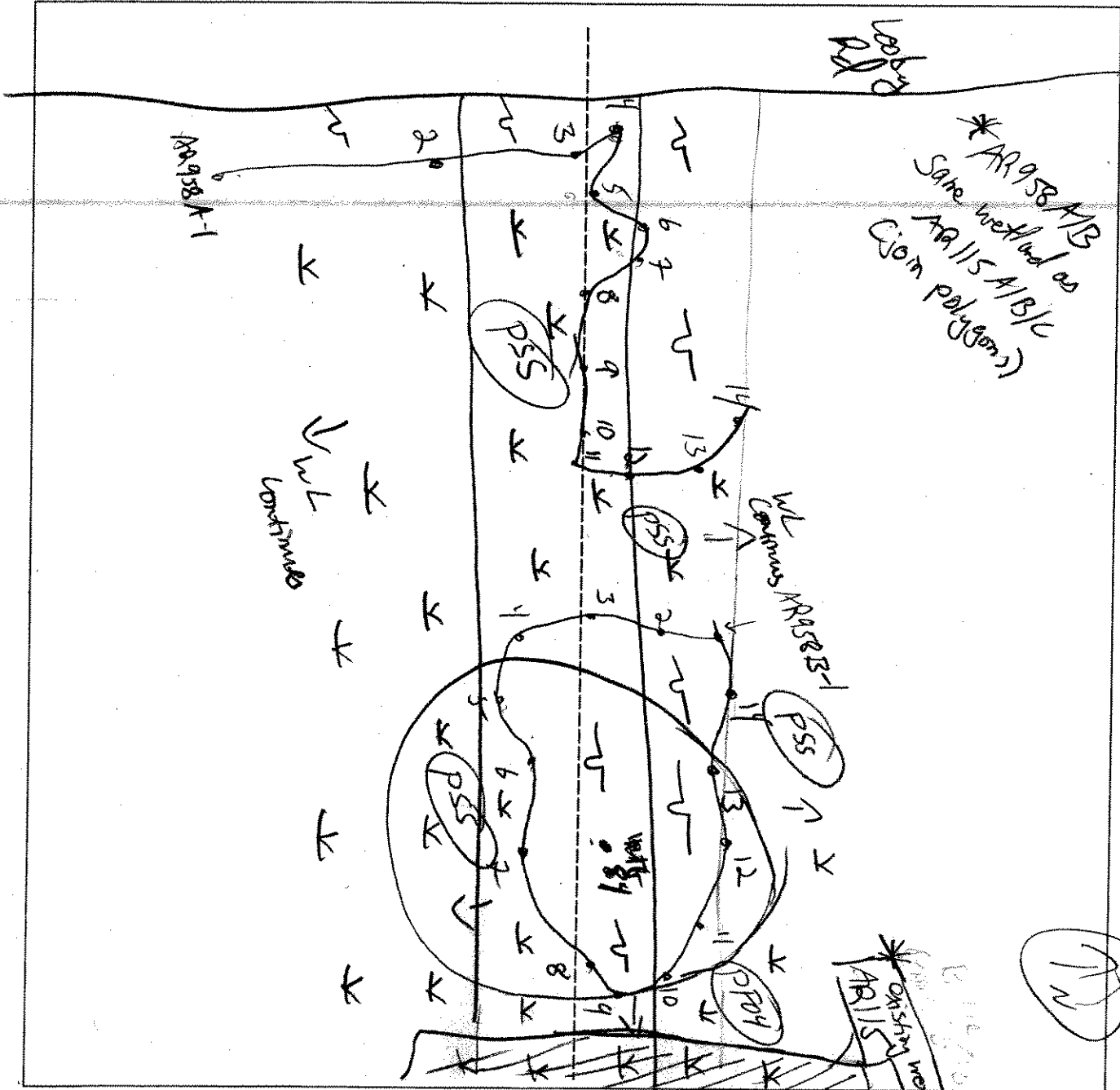
| Map Unit Name (Series and Phase): | | Drainage Class: | | | | |
|--|----------------|--|----------------------------------|--|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | | |
| Profile Description: | | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. | |
| 0-6 | A _p | 2.5Y 3/2 | — | — | fine sandy silt | |
| 6-10 | B _p | 2.5Y 5/3 | 10YA 4/6 | few/fine/distinct | fine sandy silt | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Hydro Soil Indicators | | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input 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 @ 10" | | | | | | |

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 | | | |

SKETCH FORM

| | | |
|--|-----------------------------------|-------|
| Wetland ID/Route #: <u>AR 958 A/B</u> | Date: <u>7/28/06</u> | Time: |
| Initials of Delineators: <u>KH, JV</u> | Location: <u>WB 84 - Lobby Rd</u> | |
| Roll #: <u>1514</u> | Frames: <u>1</u> | |



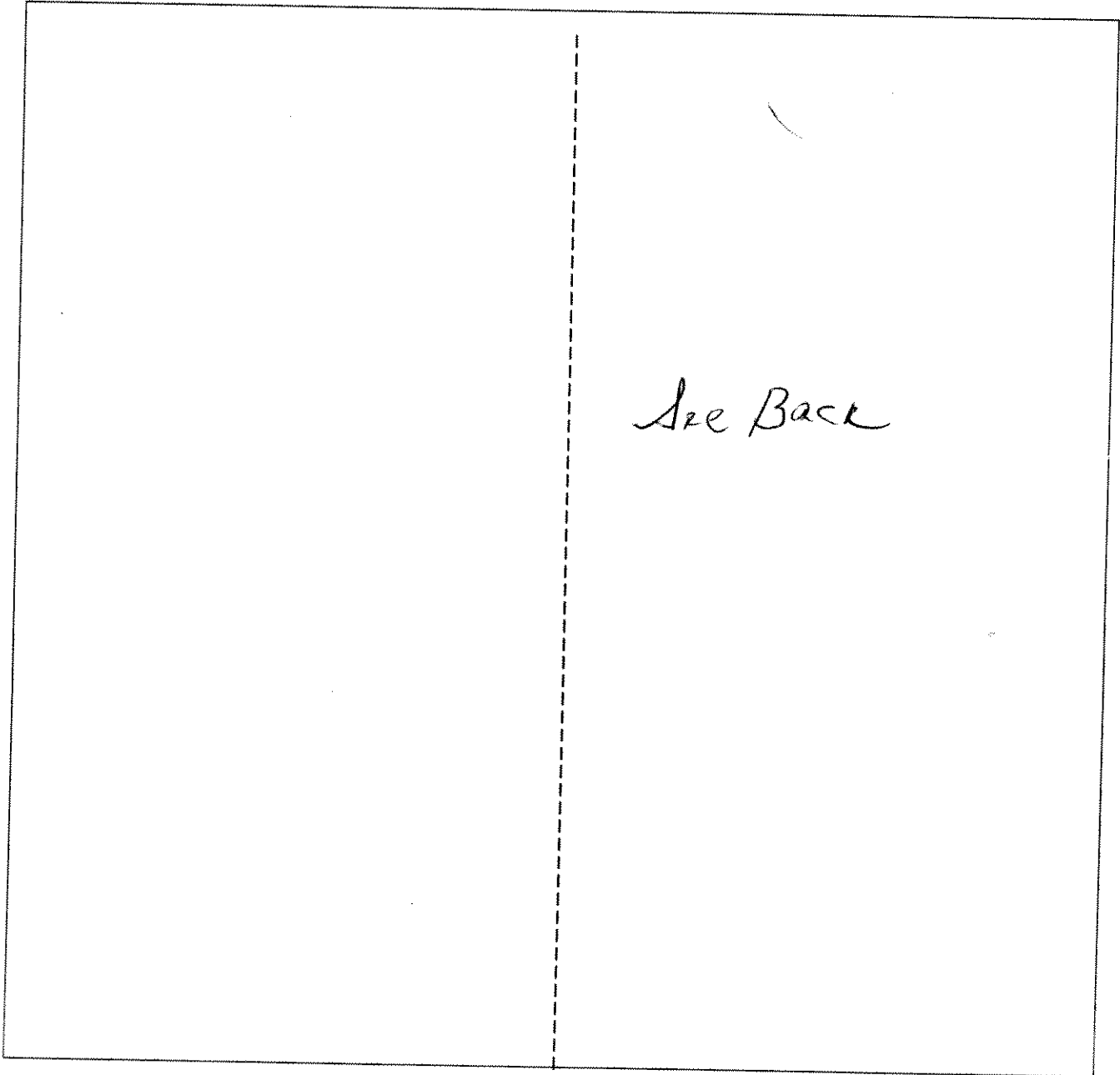
| Legend | |
|--------|--------------------------|
| | Photo Location/Direction |
| | Sample Station |
| | Centerline |
| | Flag |
| | Wetland |
| | Upland |
| | Stream |
| | Intermittent Stream |

AR958-A, IC962

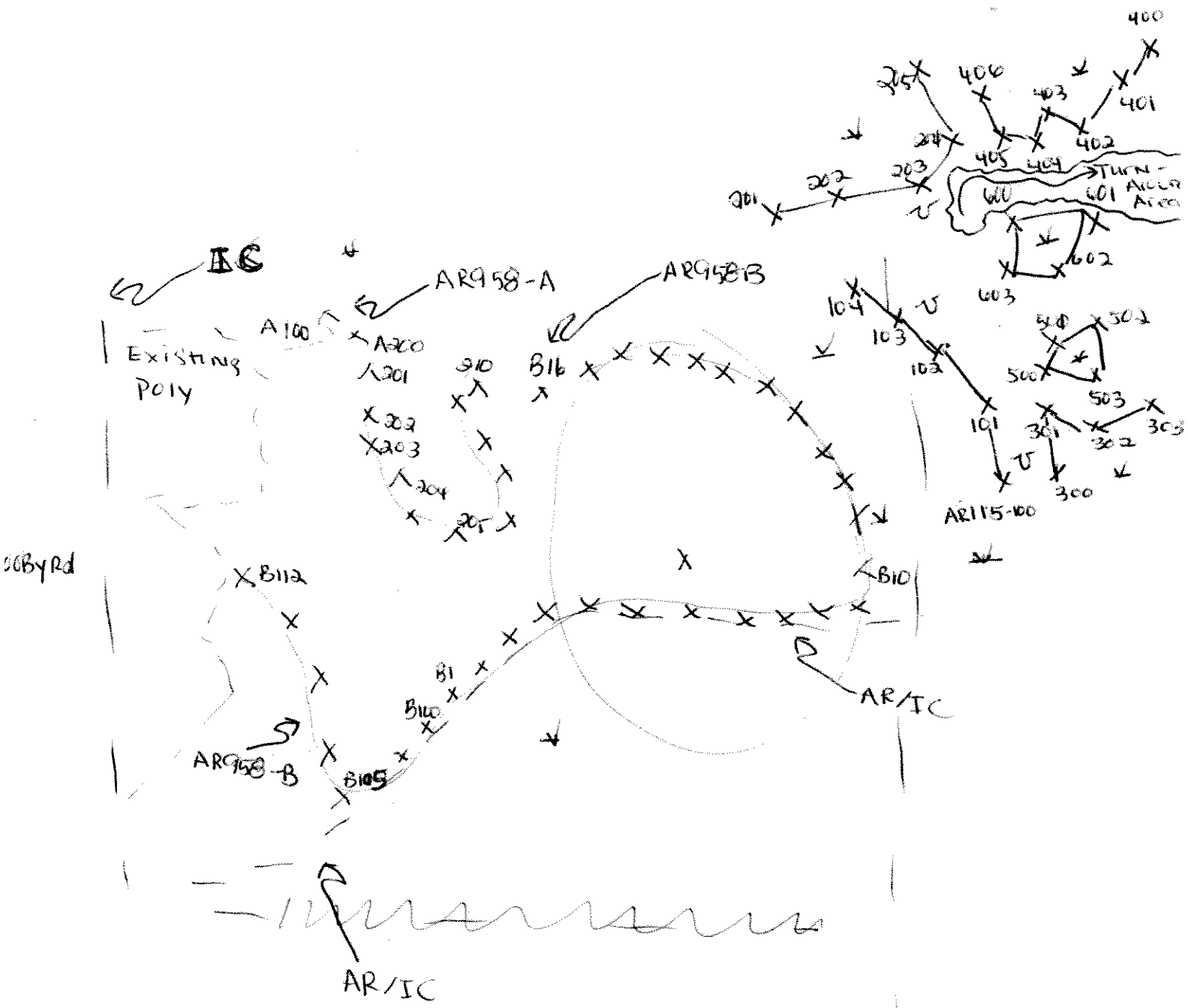
AR115-A/B/C

SKETCH FORM

| | | | |
|--|---------|---------------------------|-------|
| Wetland ID/Route #: AR 958-R-A/B+C | | Date: 10/26/06 | Time: |
| Initials of Delineators: RD JV | | Location: T 84A | |
| Roll #: | Frames: | | |



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



- AR115 A/B/C
- 100 Series open to W
 - 200 Series open to W
 - 300 Series open to E
 - 400 Series open to N
 - 500 Series close
 - 600 Series close

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JW | Date: 7-28-00 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: PSS Transect ID: Plot ID: IC962A-SS1 |

VEGETATION

| Plant Community Classification: PSS | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 10 Shrub: 70 Herb: 20 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Alnus rugosa</i> | T/S | FACW+ | 9. | | |
| 2. <i>Betula populifolia</i> | T/S | FAC | 10. | | |
| 3. <i>Impatiens capensis</i> | H | FACW | 11. | | |
| 4. Grass sp | H | — | 12. | | |
| 5. <i>Polygonum lapathifolium</i> | H | FACW+ | 13. | | |
| 6. <i>Solidago graminifolia</i> | H | FAC | 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: ___ 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 ___ 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.): 6" Depth to Saturated Soil (in.): 3" | |
| Remarks: | |

Date: 7-28-06
 Community ID: PSS
 Plot ID: IC962A-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. |
| 0-12 | A | 10YR 2/1 | — | — | Silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
 Refusal at 12"

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: KHJV | Date: 7-28-06 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: Transect ID: Upland Plot ID: IC962A-SS2 |

VEGETATION

| | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: | Tree: | Shrub: | Herb: | Vine: | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: | | | | | |
| Representative Plot: Refer to Data sheet I.d. AR958A/B-SS2 | | | | | |

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 ___ 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: Representative Plot: Refer to Data sheet I.d. AR958A/B-SS2 | |

Date: 7-28-06
 Community ID: Upland
 Plot ID: AC962A -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. |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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:

Representative Plot: Refer to Plot I.D. AR958 A/B-SS2

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 checked="" type="checkbox"/> No <input type="checkbox"/> | |

Remarks

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH W | Date: 7.28.06 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: PEM Transect ID: Plot ID: IC962A-553 |

VEGETATION

| Plant Community Classification: PEM | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Iris versicolor | H | OBL | 9. | | |
| 2. Scirpus atrovirens | H | OBL | 10. | | |
| 3. Juncus effusus | H | FACW+ | 11. | | |
| 4. Grass sp. | H | — | 12. | | |
| 5. Onoclea sensibilis | H | FACW | 13. | | |
| 6. Carex scoparia | H | FACW | 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: ___ 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 ___ 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.): 10" Depth to Saturated Soil (in.): 0 | |
| Remarks: | |

Date: 7.28.06
 Community ID: PEM
 Plot ID: AC 962A-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. |
| 0-8 | Ap | 10YR 2/1 | — | — | Silt clay |
| 8-16 | B ₁ | Gley1 5/10Y | | | Sandy silt |
| 16-18+ | B _a | Gley1 5/10Y | 10YR 4/4 | Many/coarse/distinct | Sandy silt |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: | | | | | |

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: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV | Date: 7-28-06 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: upland Transect ID: Plot ID: IC962A-SS4 |

VEGETATION

| | | | | | |
|--|----------------|------------------|-------------------------------|----------------|------------------|
| Plant Community Classification: | | | | | |
| Percent Canopy Cover: | | Tree: | | Shrub: | |
| Herb: | | Vine: | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. | | | 9. | | |
| 2. | | | 10. | | |
| 3. | | | 11. | | |
| 4. | | | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: | | | | | |
| Representative plot: Refer to Data ID: AR958A/B | | | | | |

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: | |
| Representative plot: Refer to Data ID: AR958A/B | |

Date: 7-28-06
 Community ID: Upland
 Plot ID: JC962A-SS4

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:

Representative plot: Refer to Data ID AR958A/B

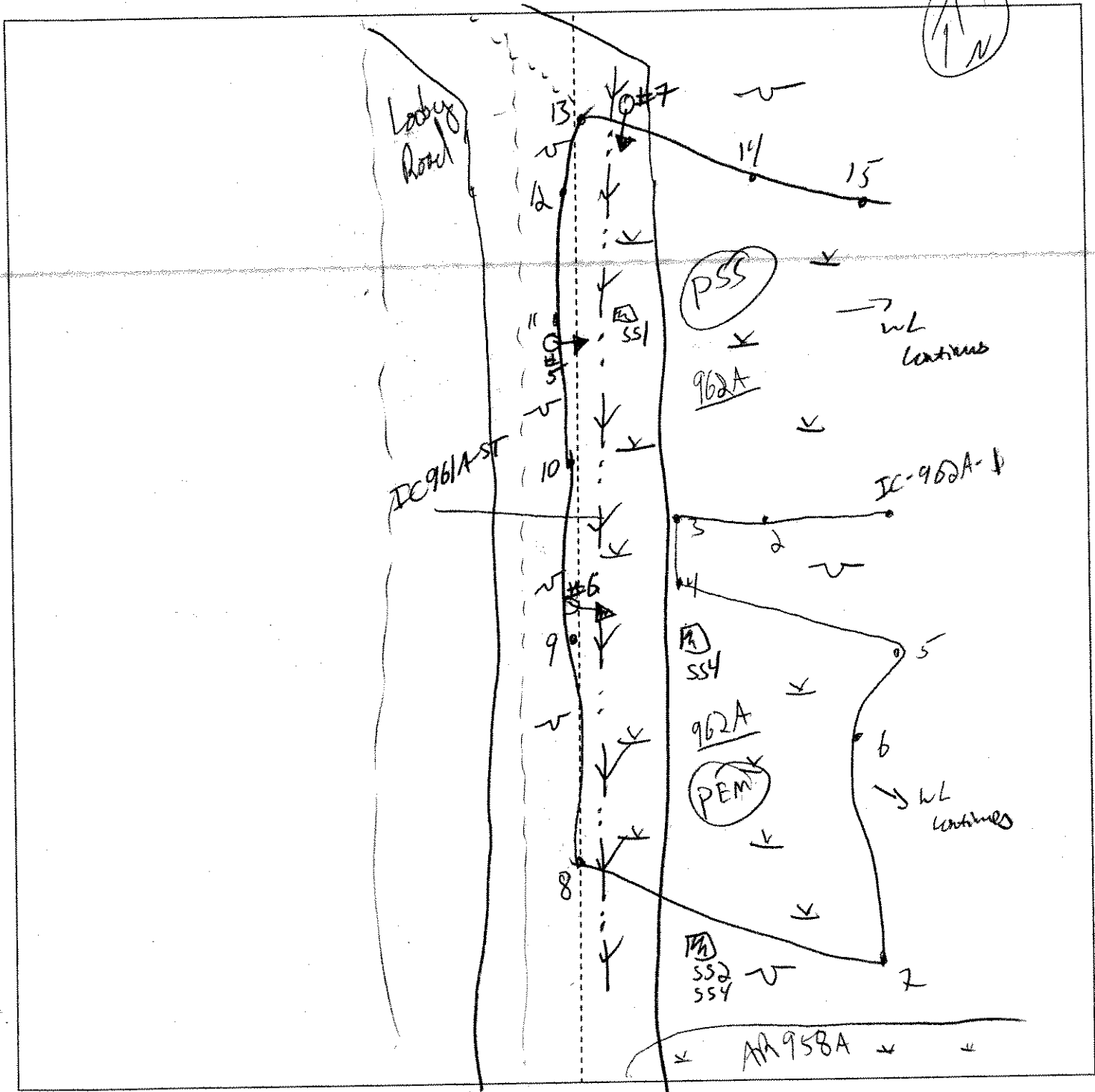
WETLAND DETERMINATION

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

Remarks

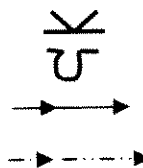
SKETCH FORM

| | | |
|---------------------------------|-----------------------|-------|
| WETLAND ID/ROUTE ID: IC-962A | PROJECT: Marble River | TIME: |
| INITIALS OF DELINEATORS: KH, JV | DATE: 7/28/06 | |
| PHOTO ID: KH, 5, 6, 7 | LOCATION: Looby Rd | |



LEGEND

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



- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

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

LINE EXTENSION

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u> | Date: <u>5/8/07</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>RF01</u> Transect ID: Plot ID: <u>AR965 A SSI</u> |

VEGETATION

| Plant Community Classification: <u>Red maple mesic</u> | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>85</u> Shrub: <u>40</u> Herb: <u>85</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>Alnus incana</u> | <u>T</u> | <u>FACW</u> | 10. | | |
| 3. <u>Alnus incana</u> | <u>S</u> | <u>FACW</u> | 11. | | |
| 4. <u>Thuja occidentalis</u> | <u>H</u> | <u>FAC</u> | 12. | | |
| 5. <u>Myrica americana</u> | <u>H</u> | <u>FAC</u> | 13. | | |
| 6. <u>Sparganium</u> | <u>H</u> | <u>FACW</u> | 14. | | |
| 7. <u>Potamogeton</u> | <u>H</u> | <u>—</u> | 15. | | |
| 8. <u>Sagittaria arifolia</u> | <u>H</u> | <u>FACW</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: <u>Cannot i.d. species due to time of year</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 type="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>10"</u> Depth to Saturated Soil (in.): <u>0"</u> | |
| Remarks: <u>Adjacent LPL field slopes south into WL. Discharges surface / groundwater</u> | |

Date: 5/18/07
 Community ID: DFO1
 Plot ID: AB 905 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. |
| 0-2 | o | 5YR 2.5/1 | | | |
| 2-8 | A | 10YR 2/1 | | | silty clay loam |
| 8-10 | b | 10YR 3/2 | | | silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: refusal @ ≤ 10", water @ 10", soil saturated | | | | | |

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? | <input checked="" type="checkbox"/> Yes | No | |
| Hydric Soils Present? | <input checked="" type="checkbox"/> Yes | No | |
| Remarks: photo 2 => NE DEC WL | | | |

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/8/07 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 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: UPL Transect ID: Plot ID: AR 965-A 552 |

VEGETATION

EXT

| Plant Community Classification: <i>open field / maintained</i> | | | | | |
|--|---------|-------------------|------------------------|-----------|-------------------|
| Percent Canopy Cover: | | Tree: \emptyset | Shrub: \emptyset | Herb: 100 | Vine: \emptyset |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Ranunculus</i> | H | FAC | 9. | | |
| 2. <i>Taraxicum officinale</i> | H | FACU | 10. | | |
| 3. <i>Dalium sp.</i> | H | FACU | 11. | | |
| 4. <i>Phalaris arundinacea</i> | H | FACW | 12. | | |
| 5. <i>Taraxicum autumnalis</i> | H | FACU | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>< 50%</i> | | | | | |
| Remarks: <i>* < 5% cover</i> | | | | | |

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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 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: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date:
 Community ID:
 Plot ID:

SOILS

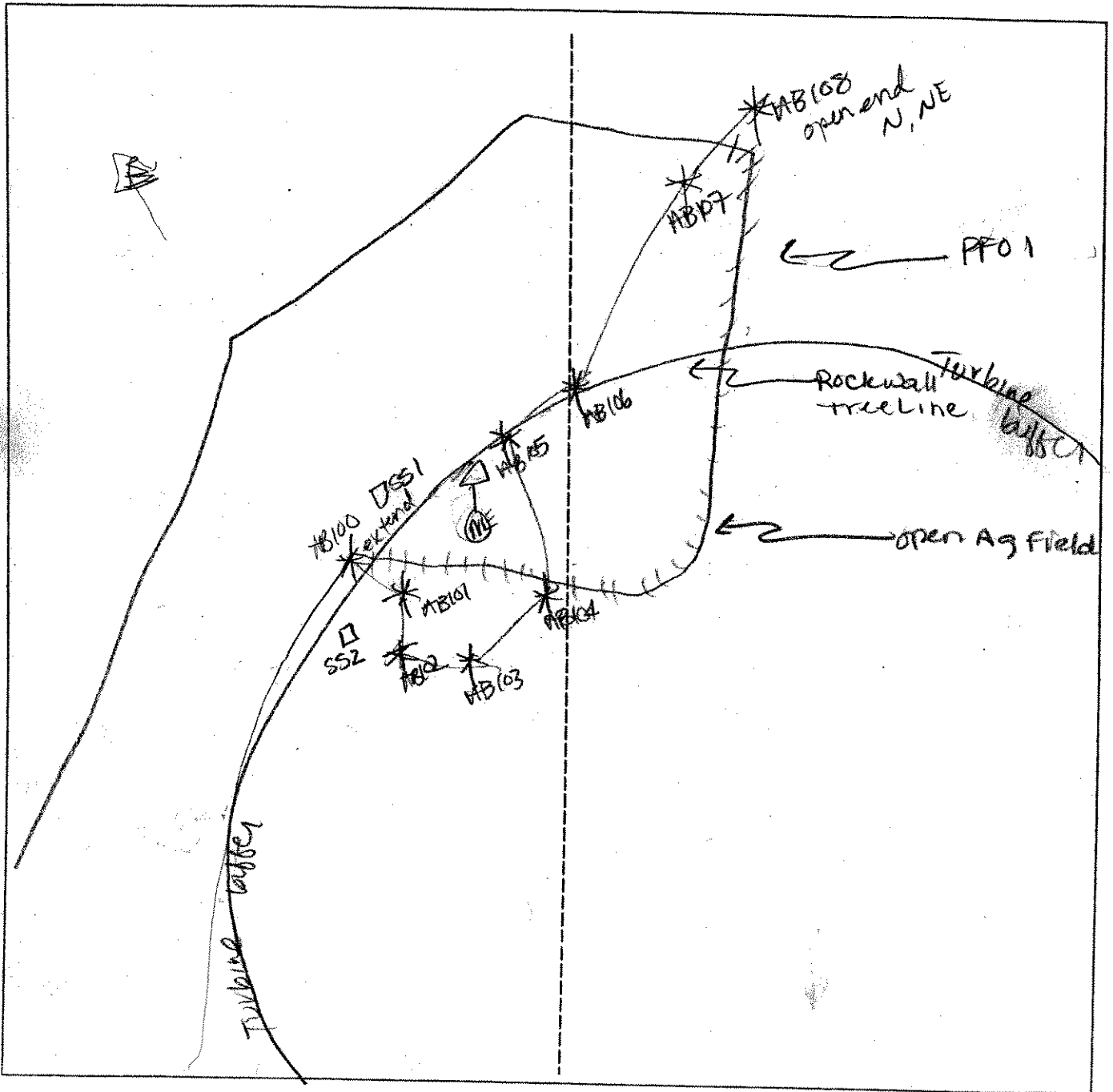
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|---|--|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-1 | O | 10YR 2/1 | | | silt |
| 1-15 | A | 7.5YR 3/1 | 10YR 5/8 | distinct, few, fine | silt |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: abundance of ARCS | | | | | |

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 | | | |

SKETCH FORM

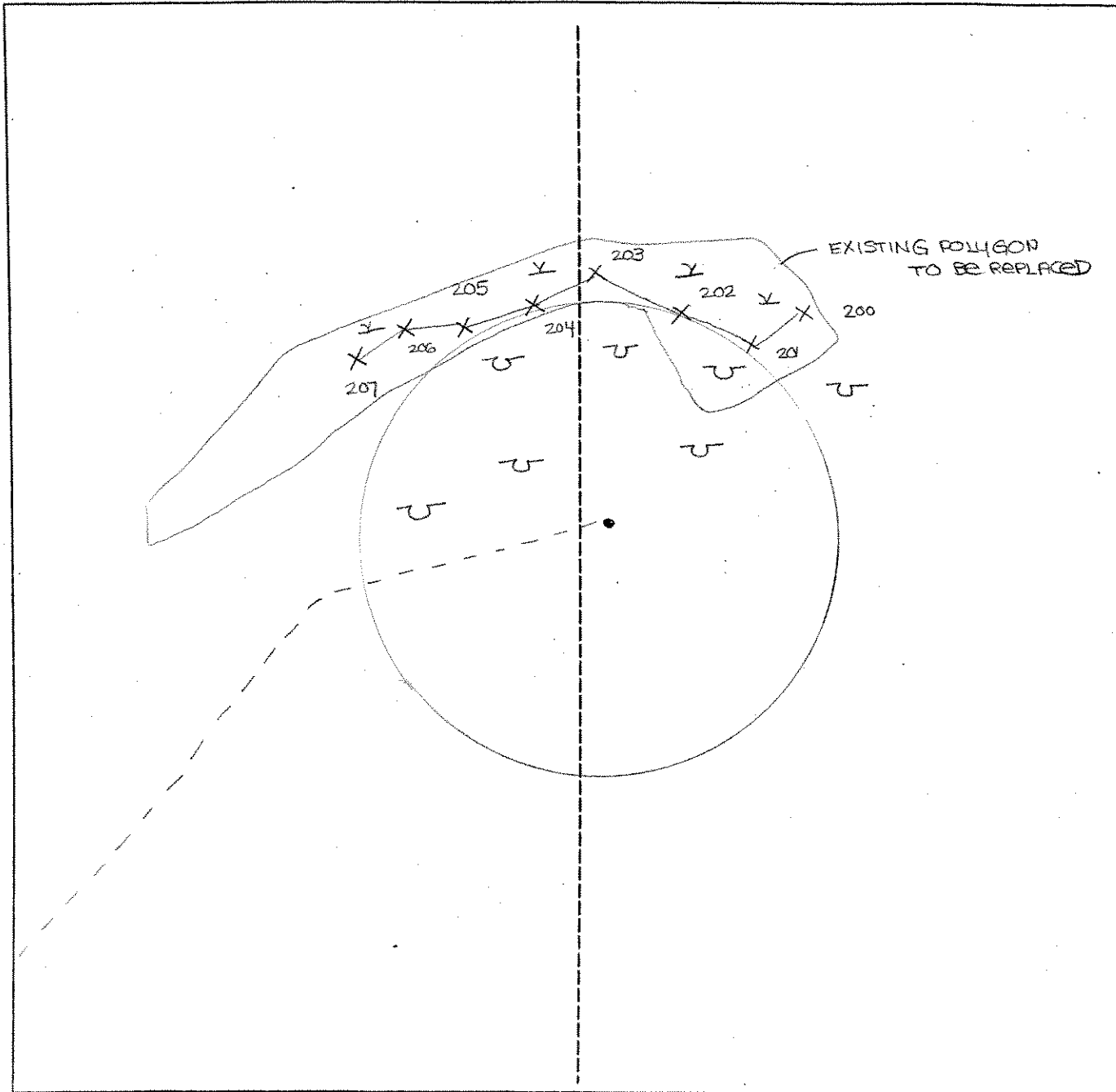
| | | |
|---|-----------------------|-------|
| Wetland ID/Route #: AR965A16 EXT | Date: 8 May 07 | Time: |
| Initials of Delineators: JV, AD | Location: | |
| Roll #: photo 2 | Frames: NE | |



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

SKETCH FORM

| | | |
|--|-----------------|-------|
| Wetland ID/Route #: AR 965-A1B | Date: 5/30/2007 | Time: |
| Initials of Delineators: RJD / SC / LP | 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: SM/JV | Date: 7/31/06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes 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 / PEM Transect ID: Plot ID: AR-967 A-3 SSI |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: 60 Shrub: 35 Herb: 100 Vine: - | | | | | |
|---|---------|-----------|---------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Populus sp | T | FACU | 9. PEM PORTION | | |
| 2. Betula populifolia | T/S | FAC | 10. Eupatorium maculatum | H | FACW |
| 3. Corylus coenuta | S | FACU | 11. Onoclea sensibilis | H | FACW |
| 4. Onoclea sensibilis | H | FACW | 12. Carex crinita | H | OBL |
| 5. Carex sp. | H | NFAC | 13. Spiraea latifolia | H | FAC |
| 6. Grass sp. | H | - | 14. Polygonum sagittatum | H | OBL |
| 7. Impatiens capensis | H | FACW | 15. Impatiens capensis | H | FACW |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10/13 = >50% | | | | | |
| Remarks: #3 on edge of WL boundary also mermaid weed, sphagnum > 20% Comp goldenrods. | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC Wetlands <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.): - Depth to Free Standing Water in Pit (in.): 3" Depth to Saturated Soil (in.): 0" | |
| Remarks: | |

Date: 7/31/06
 Community ID: PFO4
 Plot ID: AR-967 A -SS1

SOILS

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

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-4 | A | 2.5Y 3/2 | | | Coarse, 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: some gravel present @ 3" , 1.5 cm at longest axis.
 Consistent Refusal @ 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 DEC wetland
 Photo # 1 to NE Photo 2 to SE
 from SS1

Photo #5 PEM portion to NE

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

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV | Date: 8/31/06 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: Transect ID: Plot ID: AR-967A-SS2 |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: 25% Shrub: 15% Herb: 100% Vine: - | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Populus tremuloides</i> | T/S | FACU | 9. | | |
| 2. <i>Prunus</i> sp | T | FACU | 10. | | |
| 3. <i>Solidago canadensis</i> | H | FACU | 11. | | |
| 4. <i>Phleum pratense</i> | A | FACU | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0% | | | | | |
| Remarks: also raspberry sp, unknown grass, viccia, Fraxinus | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <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.): > 5" | |
| Remarks: Soil has no moisture, crumbles out of anger. | |

Date: 8/11/06
 Community ID:
 Plot ID: AR-967A-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. |
|----------------|----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-4 | A ₁ | 3.5Y 3/2 | - | | Fibric sandy silt loam |
| 4-5 | A ₂ | 2.5Y 3/3 | - | | Silt loam w/ coarse sand and 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 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:
 Refusal @ 5", shallow bedrock outcrop nearby

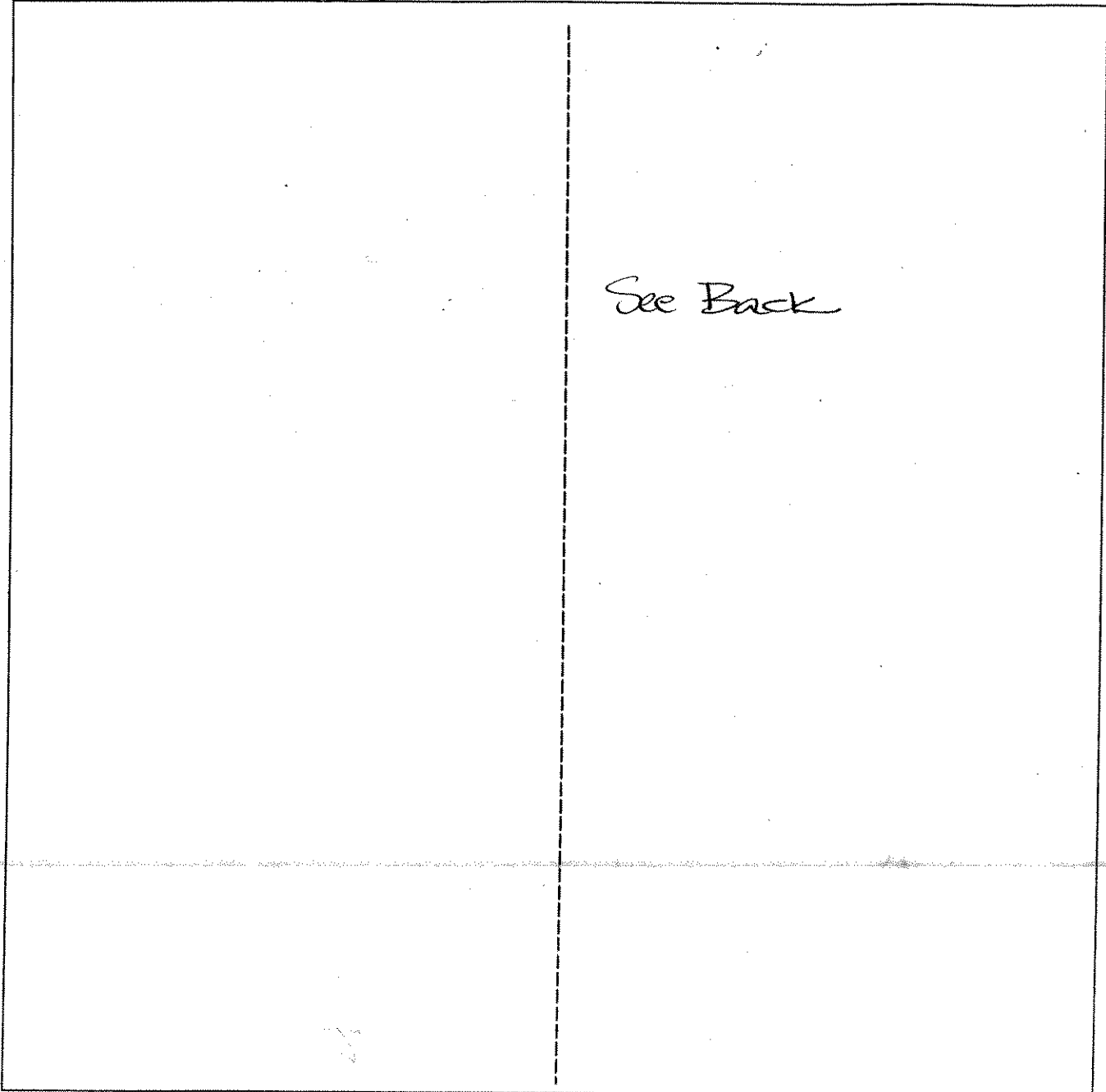
WETLAND DETERMINATION

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

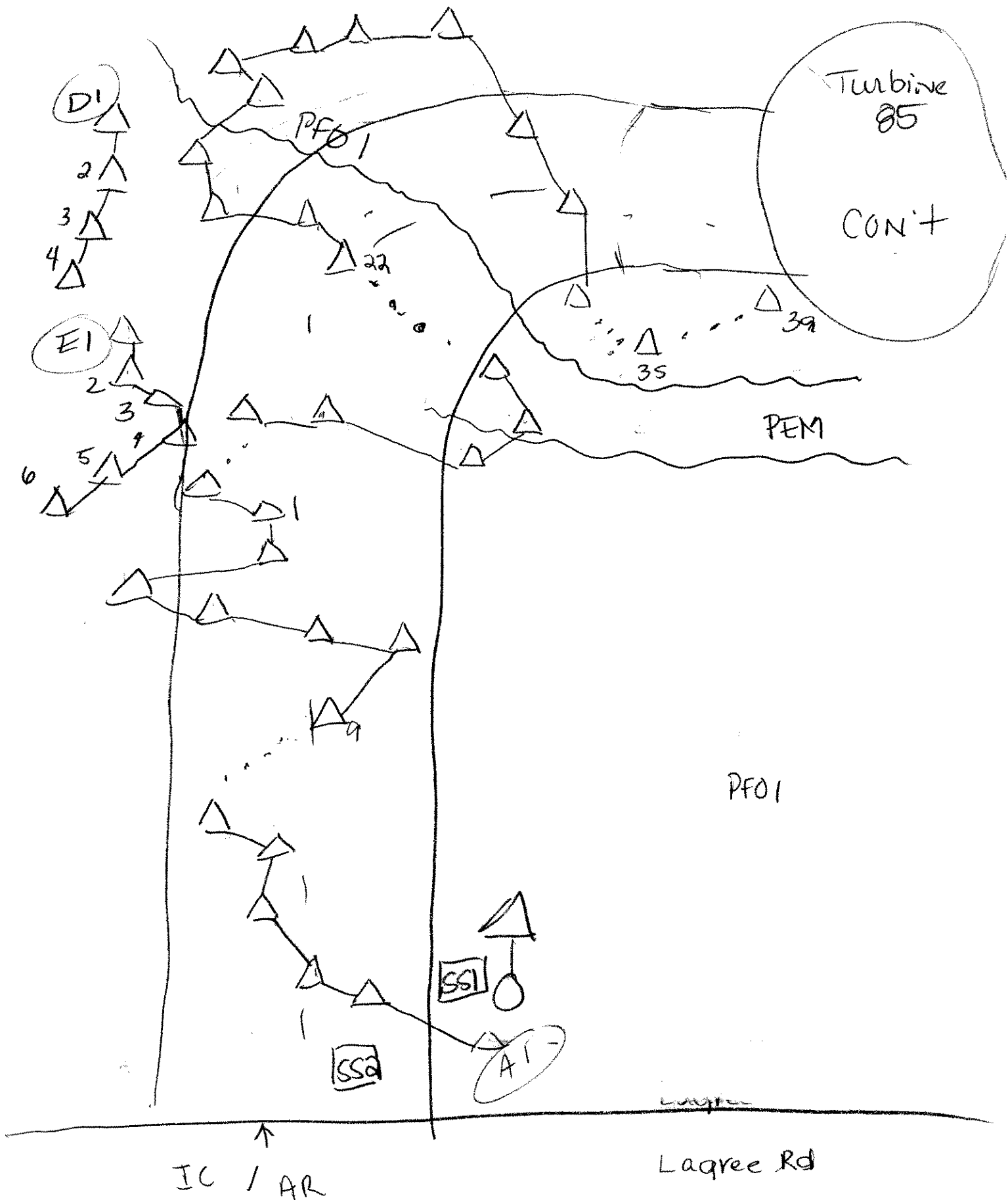
Remarks
 photo #3 to 5
 photo #4 to North

SKETCH FORM

| | | |
|-----------------------------------|---|-------|
| Wetland ID/Route #: AR967A/D/E | Date: 7-31-06 | Time: |
| Initials of Delineators: SM JV | Location: AR/IC from Lagree Rd to turbine OS | |
| Roll #: | Frames: => W | |

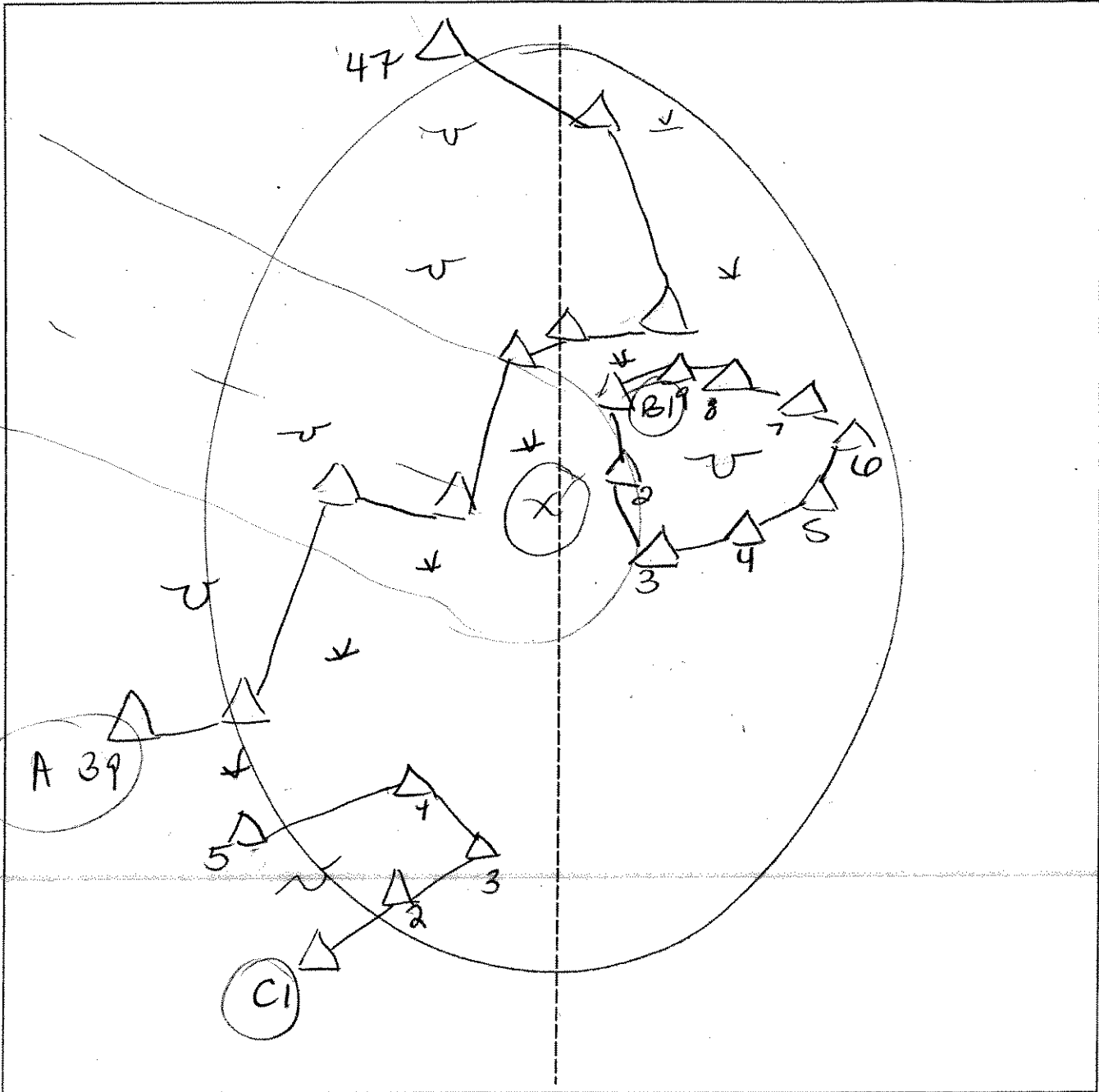


| | |
|--------------------------|---------------------|
| Legend | |
| Photo Location/Direction | Wetland |
| Sample Station | Upland |
| Centerline | Stream |
| Flag | Intermittent Stream |



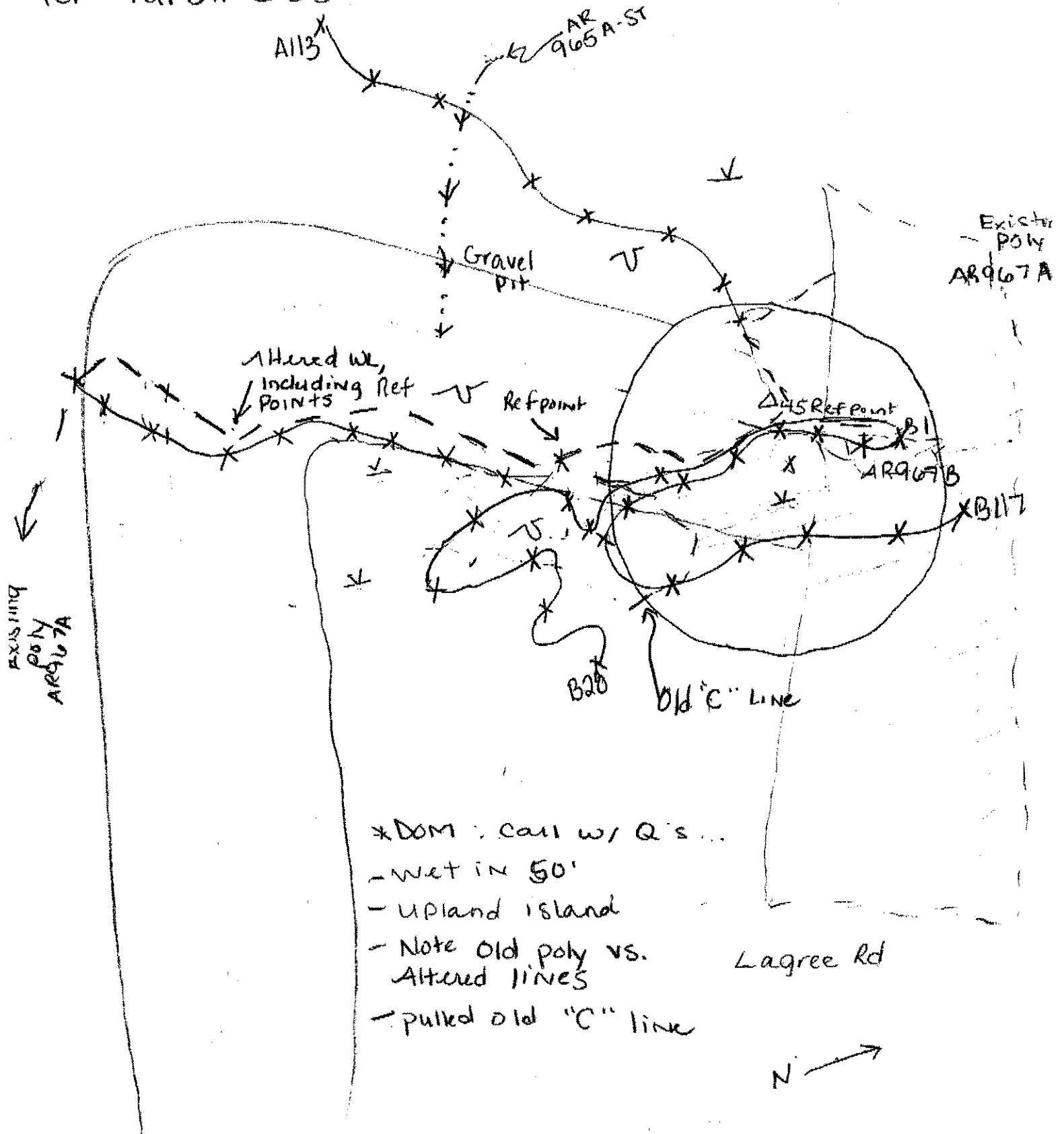
SKETCH FORM

| | | |
|----------------------------------|------------------------------|-------|
| Wetland ID/Route #: AR 96 TA/B/C | Date: 7-31-06 | Time: |
| Initials of Delineators: SM JV | Location: ARIC to turbine 85 | |
| Roll #: | Frames: | |



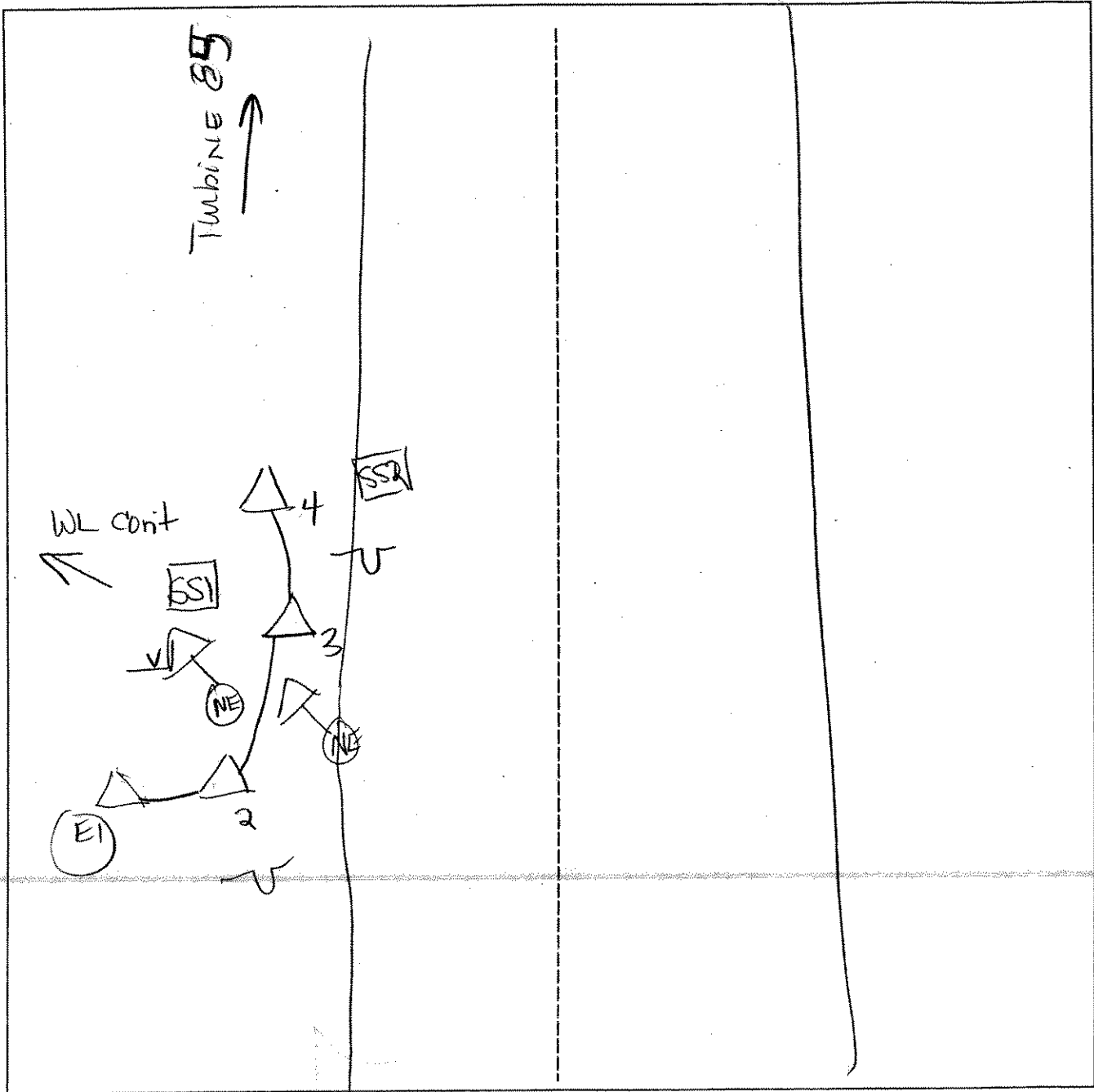
| Legend | |
|--------|--------------------------|
| ○▼ | Photo Location/Direction |
| □ | Sample Station |
| - - - | Centerline |
| △ | Flag |
| v | Wetland |
| u | Upland |
| — | Stream |
| - . . | Intermittent Stream |

AK967 including AK467 A ST
for turbine B5 + AR



SKETCH FORM

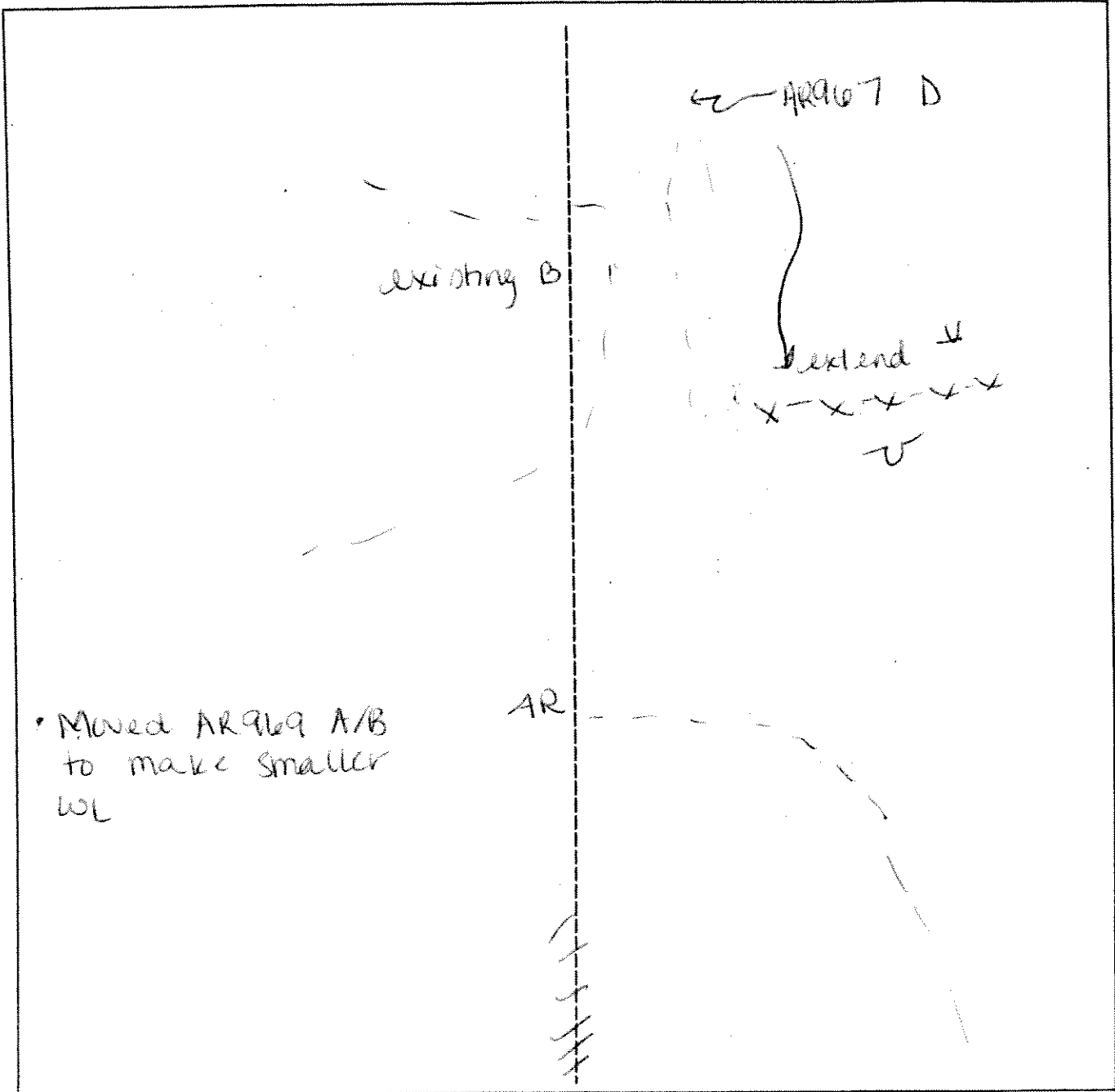
| | | |
|------------------------------------|--------------------------------------|----------------|
| Wetland ID/Route #: AR967E | Date: 8-1-06 | Time: |
| Initials of Delineators: SM | Location: AR/IC to Turbine 85 | |
| Roll #: 9 | Frames: ⇒ NE | ⇒ NE |



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

SKETCH FORM

| | | | |
|---|---------|--------------------------------------|---------------|
| Wetland ID/Route #: AR967D / AR1312A / AR969AB | | Date: 10/14/06 | Time: 0900 |
| Initials of Delineators: JV IB | | Location: Laque to IC/AR to T. 85 | |
| 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)

AA967D LINE EXTENSION

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AF | Date: 5/7/07 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.) | Community ID: PFO/PBM Transect ID: Plot ID: AA967D-SS1 |

AC969 AB

VEGETATION

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 00 Shrub: 50 Herb: 95 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Ulmus americana</i> | T | FACW | 9. | | |
| 2. <i>Betula populifolia</i> | T | FAC | 10. | | |
| 3. <i>Alnus incana</i> | T | FACW | 11. | | |
| 4. <i>Sparganium</i> sp. | S | FAC | 12. | | |
| 5. Marsh marigold | H | OBL | 13. | | |
| 6. <i>Impatiens capensis</i> | H | FACW | 14. | | |
| 7. Grass sp. | H | = | 15. | | |
| 8. Moss sp. | H | = | 16. | | |

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

Remarks: Cannot id species b/c flower heads missing and leaves have not emerged completely.

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 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.): < 1" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 1" | |
| Remarks: | |

Date: 5/1/07
 Community ID: PFO/PBM
 Plot ID:

AR907 A SSI
 1C909 AB

SOILS

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

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-14 | A | 10YR 2/1 | | | silts |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: moist, saturated at surf, water surface, depth 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 Dec 02 photo 7 ZN, NW

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/7/07 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 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: UPL Transect ID: Plot ID: AR 967D SS2 |

1C969AD

VEGETATION

| Plant Community Classification: <i>Balsam Flats</i> | | | | | |
|--|---------|-----------|------------------------|----------|-----------|
| Percent Canopy Cover: | | Tree: 05 | Shrub: 20 | Herb: 30 | Vine: 0 |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Abies balsamea</i> | T | FAC | 9. | | |
| 2. <i>Betula populifolia</i> | T | FAC | 10. | | |
| 3. <i>A. balsamea</i> | S | FAC | 11. | | |
| 4. <i>Acer rubrum</i> | S | FAC | 12. | | |
| 5. <i>Fraxinus Virginiana</i> | H | FACU | 13. | | |
| 6. <i>Solidago sp</i> | H | — | 14. | | |
| 7. <i>Viburnum lentiginosides</i> | H | FAC | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>> 50%</i> | | | | | |
| Remarks: <i>cannot id species due to time of year</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: <i>NA</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: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/7/07
 Community ID: UPL
 Plot ID: AR907 A 852
 1C909 AB

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 | 7.5YR 2.5/2 | | | |
| 1-4 | A | 10YR 3/2 | | | loam |
| 4-14 | B | 10YR 3/2 | 10YR 4/3 | distinct, few, med. | sandy loam |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: slight organic streaking in B, soil dry to moist

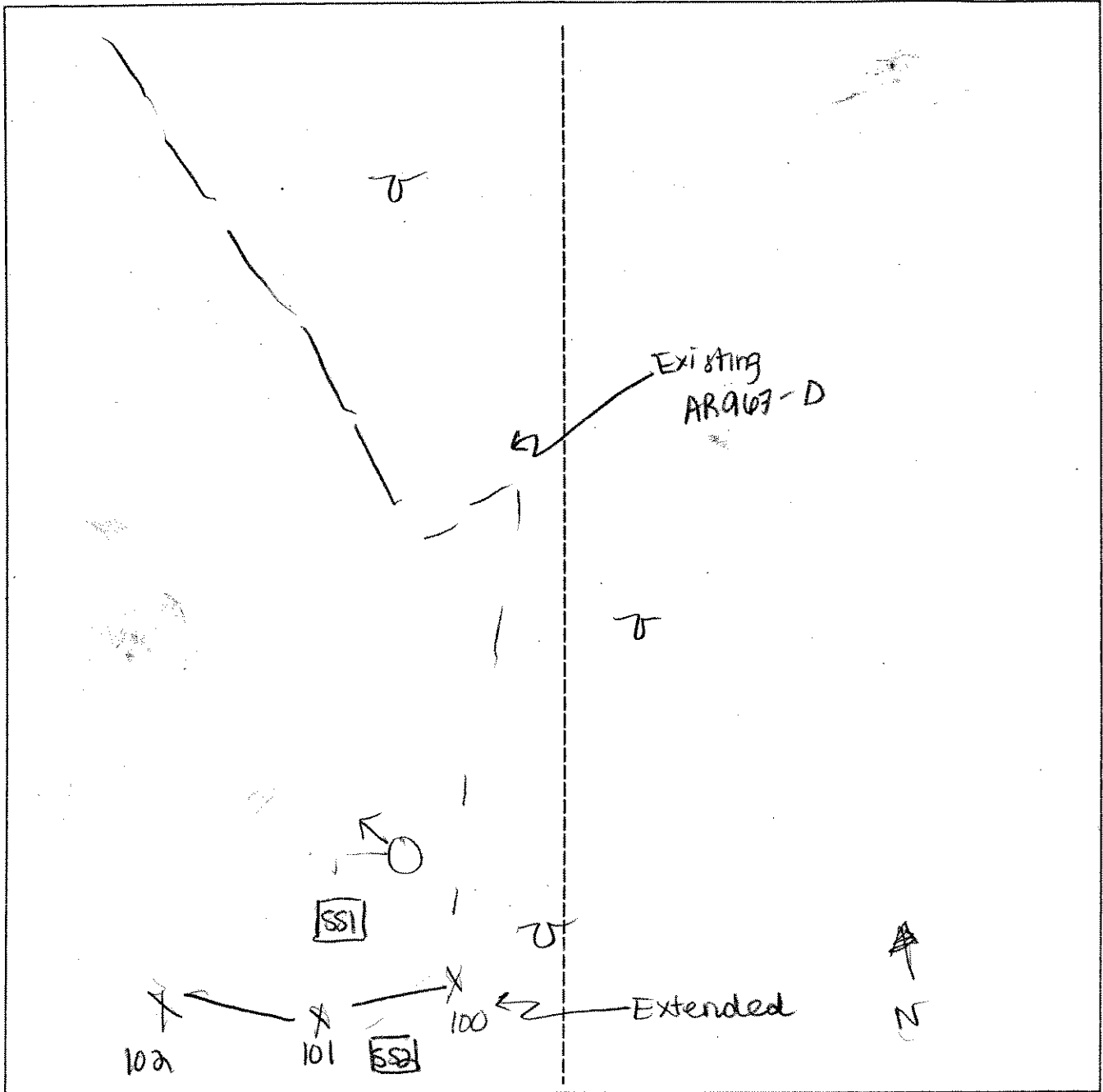
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|--|-----------------------------|-------|
| Wetland ID/Route #: AR967 D EXT | Date: 5/7/07 | Time: |
| Initials of Delineators: JV AP | Location: W of T. 85 | |
| Roll #: | Frames: 6 = N, NW | |



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

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

LINE EXTENSION

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/7/07 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: PSS / pem Transect ID: Plot ID: AR967E SSI |

EXT

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: <10 Shrub: 75 Herb: 99 Vine: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----------|------------------------|------------------------|-----------|-----------|------------------------|---|------|----|--|--|------------------------|---|------|-----|--|--|-----------------------|---|-----|-----|--|--|--------------------------|---|-----|-----|--|--|--------------------------------|---|------|-----|--|--|-------------|---|--|-----|--|--|----|--|--|-----|--|--|----|--|--|-----|--|--|
| <table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <i>Alnus incana</i></td> <td>T</td> <td>FACW</td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <i>Alnus incana</i></td> <td>S</td> <td>FACW</td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <i>Acer rubrum</i></td> <td>T</td> <td>FAC</td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. Marsh <i>Dracopis</i></td> <td>H</td> <td>OBL</td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <i>Proctoria tenuifolia</i></td> <td>H</td> <td>FACW</td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. Grass sp</td> <td>H</td> <td></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table> | Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator | 1. <i>Alnus incana</i> | T | FACW | 9. | | | 2. <i>Alnus incana</i> | S | FACW | 10. | | | 3. <i>Acer rubrum</i> | T | FAC | 11. | | | 4. Marsh <i>Dracopis</i> | H | OBL | 12. | | | 5. <i>Proctoria tenuifolia</i> | H | FACW | 13. | | | 6. Grass sp | H | | 14. | | | 7. | | | 15. | | | 8. | | | 16. | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. <i>Alnus incana</i> | T | FACW | 9. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. <i>Alnus incana</i> | S | FACW | 10. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. <i>Acer rubrum</i> | T | FAC | 11. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Marsh <i>Dracopis</i> | H | OBL | 12. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. <i>Proctoria tenuifolia</i> | H | FACW | 13. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. Grass sp | H | | 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 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 Scattered 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 type="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.): 0" Depth to Saturated Soil (in.): 0" | |
| Remarks: upland areas slope into WL to SW - WL receives surface and ground water discharge. UPL areas include woods and gravel access road. | |

Date: 5/7/07
 Community ID: PSS/PEM
 Plot ID: AR908 E 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. |
| 0-10 | A | 10YR 2/2 | 2.5Y 5/3 | rustnet, few med. | silt |
| 10-13 | B | 2.5Y 5/3 | | | silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: oxidized root channels in A, soil moist, saturated at 10" | | | | | |

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 to = SW ; DEC WL | | | |

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: AP JV | Date: 5/7/07 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 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: UPL Transect ID: Plot ID: AR967 E 552 |

EXT

VEGETATION

Plant Community Classification: *Mixed deciduous*

Percent Canopy Cover: Tree: 80 Shrub: 60 Herb: 40 Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|---------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Populus grandidentata</i> | T | FACU- | 9. | | |
| 2. <i>Acer rubrum</i> | T | FAC | 10. | | |
| 3. <i>A. rubrum</i> | S | FAC | 11. | | |
| 4. <i>Solidago sp</i> | H | — | 12. | | |
| 5. <i>Fraxinea Virginiana</i> | H | FACU | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks: *Cannot find species 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: <i>NA</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: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/7/07
 Community ID: AR967E
 Plot ID: 332

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 | 2.5Y 3/3 | | | 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: refusal @ 10", soil very gravelly & dry

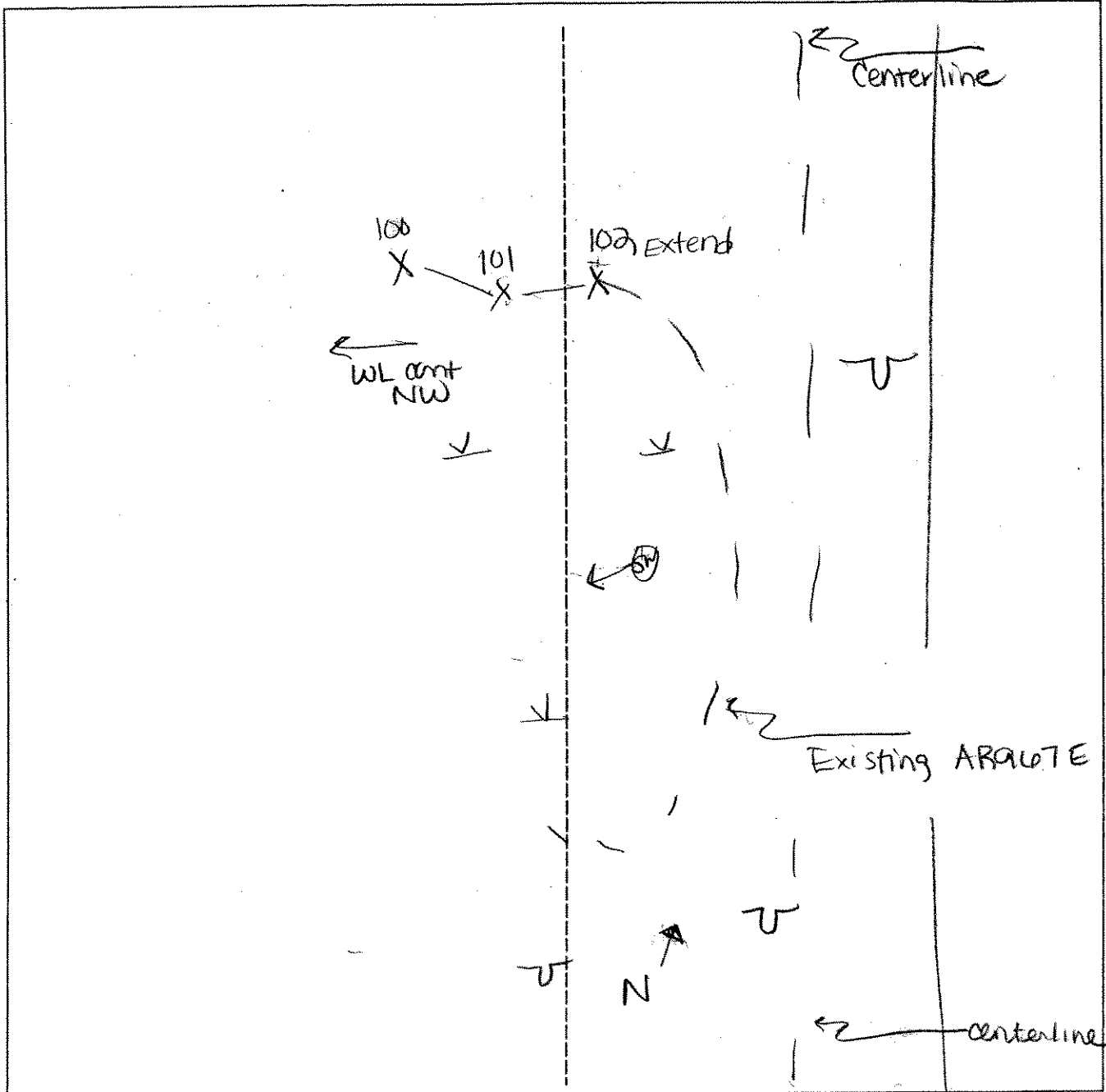
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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? | 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 #: AR967 E EXT | Date: 5/7/07 | Time: |
| Initials of Delineators: | Location: SW of T. 85 | |
| Roll #: | Frames: 6 = SW | |



| 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: SM/JV | Date: 7/31/06 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.) | <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: (PEM) Transect ID: Plot ID: AR-968A-551 | | | | | | | |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: 15 Shrub: 25 Herb: 100 Vine: - | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. Slippery Elm | S | FACW | 9. | | |
| 2. Gray birch | T | FAC | 10. | | |
| 3. Silky Willow | S | OBL | 11. | | |
| 4. Speckled Alder | S | FACW+ | 12. | | |
| 5. Lance leaf coldweed | H | FAC | 13. | | |
| 6. Solidago rigosa | H | FAC | 14. | | |
| 7. Canada Thistle | H | FACU | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 > 50% | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC Wetland <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 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 checked="" 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.): > 5" | Remarks: Photo # 8 to NE from Lagree Rd |

Date: 7/31/06
 Community ID:
 Plot ID: AR-968 A-SS1

SOILS

Map Unit Name (Series and Phase): Topknot - Crazy complex Drainage Class: Somewhat Poorly drained
 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. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-5 | A | 10YR 2/2 | - | | coarse sandy loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: Refusal @ 5"

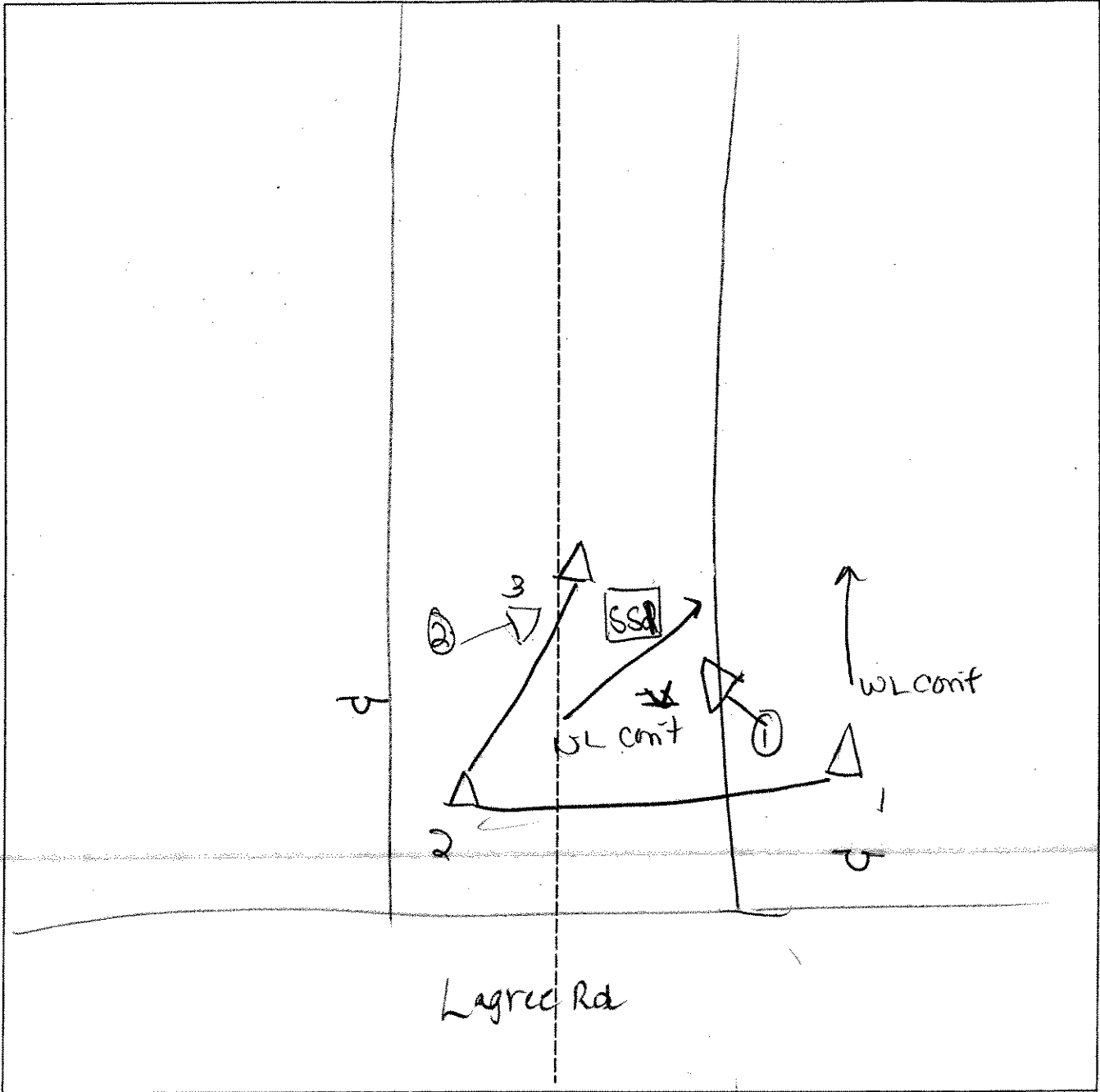
WETLAND DETERMINATION

| | | |
|---------------------------------|--------|---|
| 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: Shared upland station w/ AR-967 A-SS2

SKETCH FORM

| | | |
|-----------------------------------|---|----------|
| Wetland ID/Route #: AR960A | Date: 7-31-06 | Time: |
| Initials of Delineators: SM JV | Location: AR/IC from Lagree Rd to turbine 05 | |
| Roll #: | Frames: 1 => NW | 2 => NNE |



| | | |
|------------------------------|---------------------------|---|
| Legend | | |
| ○ ↗ Photo Location/Direction | ∇ Wetland | ↑ |
| □ Sample Station | U Upland | |
| - - - Centerline | — Stream | |
| ▷ Flag | - . . Intermittent Stream | |

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

LINE EXTENSION

| | | | | | | | |
|--|--|---------------------------|--------------------------|--------------------------------------|--------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP | Date: 5/7/07 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 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> </table> | 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 <input checked="" type="radio"/> | | | | | | |
| Community ID: PSS/PEM Transect ID: Plot ID: AR468-A SS | | | | | | | |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: 45 Shrub: 20 Herb: 100 Vine: 0 | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Betula populifolia</i> | T | FAC | 9. | | |
| 2. <i>Alnus incana</i> | B | FACW | 10. | | |
| 3. <i>Cornus alternifolia</i> | S | FACW | 11. | | |
| 4. <i>Arnica montana</i> | H | FACW | 12. | | |
| 5. Marsh Phlox | H | IBL | 13. | | |
| 6. <i>Ulmus americana</i> | T | FACW | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% | | | | | |
| Remarks: | | | | | |

HYDROLOGY

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

Date: 7 May 07
 Community ID: AR968A
 Plot ID: SSI

SOILS

| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|---------|---|--|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-12 | A | 5YR 3/1 | | | silt |
| 12-16 | B | 5Y 5/2 | 10YR 4/6 | many med., pram | 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: organic streaks in B. soil dry to moist, no saturation oxidized root channels in A. | | | | | |

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 6 = W Wetland vegetation OBL to FACW. Area appears to have been met over long periods of time. | | | |

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i> | Date: <i>5/7/07</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 checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>UPL</i> Transect ID: Plot ID: <i>AR96 @ A 552</i> |

EXT

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|-----------------|------------------------|------------------|----------------|
| Percent Canopy Cover: | | Tree: <i>25</i> | Shrub: <i>40</i> | Herb: <i>100</i> | Vine: <i>0</i> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Malus sp.</i> | T | FACU | 9. | | |
| 2. <i>Crataegus sp.</i> | T | FACU | 10. | | |
| 3. <i>Ulmus americana</i> | T | FACW | 11. | | |
| 4. <i>Spina latifolia</i> | S | FAC | 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: <i>cannot i.d due to time of year</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: <i>NA</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: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 5/7/07
 Community ID: UPL
 Plot ID: AR968 A 552

SOILS

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

| Profile Description: | | | | | |
|----------------------|---------|---------------------------------|----------------------------------|--|--|
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-8 | A | 10YR 2/2 | | | silt loam |
| 8-14 | B | 5Y 6/3 | 2.5Y 7/2 | faint, common, med | sandy clay |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: organic streaks in B, soil dry to. Mighthy moist

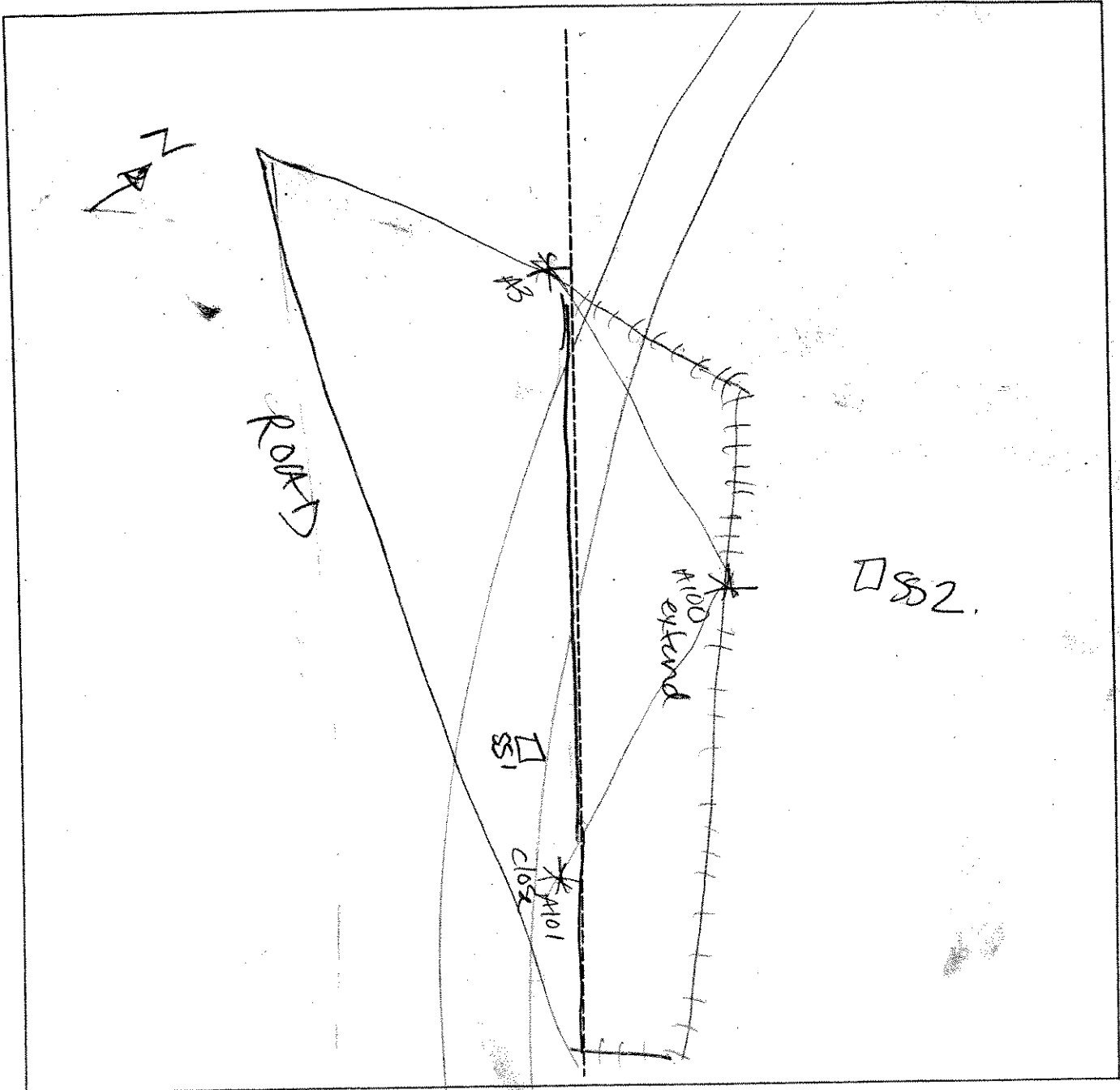
WETLAND DETERMINATION

| | | | |
|---------------------------------|-----|-------------------------------------|--|
| 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 #: AR968A EXT | Date: 17 May 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: SM JV RA SC | Date: 8.16.06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> (If needed, explain on reverse.) | Community ID: PFO1 Transect ID: Plot ID: AR986AB-SS1 |

VEGETATION

| Plant Community Classification: PFO1 | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 20 Shrub: 50 Herb: 30 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>A. Rubrum</i> | T | FAC | 9. <i>Vib. lentago</i> | H | FAC |
| 2. <i>B. populifolia</i> | T | FAC | 10. | | |
| 3. <i>A. rubrum</i> | S | FAC | 11. | | |
| 4. <i>V. Lentago</i> | S | FAC | 12. | | |
| 5. <i>Alnus rugosa</i> | S | FACW+ | 13. | | |
| 6. <i>Sphagnum</i> | H | OBL* | 14. | | |
| 7. <i>Coptis groenlandica</i> | H | FACW | 15. | | |
| 8. <i>A. rubrum</i> | H | FAC | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: other vege includes various <i>Carex</i> sp., <i>Osmunda</i> sp., and include <i>Vaccinium</i> sp. on high spot. vegetation has not yet fully recovered from logging *NIT, presume OBL | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <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.): ∅ Depth to Free Standing Water in Pit (in.): ∅ Depth to Saturated Soil (in.): ∅ | |
| Remarks: Frequent ponded areas within wetland include tire tracks from recent logging Hydrology interrupted with overland flow. Surface water flows North. | |

Date: 8.16.06
 Community ID: upland
 Plot ID: AR986A/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. |
|--|---------|---------------------------------|----------------------------------|--|--|
| 0-4 | O | | | | organics |
| 4-6 | E | 10YR 4/2 | | | coarse sand |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: O Horizon was 4" layer of sphagnum and peat moss over bedrock. Inclusions of decaying leaf litter. Surface water flow contributes to erosional problems

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: Problem area due to high disturbance as a result from logging activities

Photo P081604 includes skidder trail w/ wetland continuing beyond.

Photo: P08160013 + 0014
 (W) (N)

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD SM SO JV</u> | Date: <u>8-16-06</u> County: Clinton State: NY |
| 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 checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <u>upland</u> Transect ID: Plot ID: <u>AR906A/B-552</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|--|----------|-----------------|--------------------------------|-----------------|----------------|
| Percent Canopy Cover: | | Tree: <u>40</u> | Shrub: <u>50</u> | Herb: <u>50</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. <u>Vaccinium corymbosum</u> | <u>H</u> | <u>FACU</u> |
| 2. <u>F. grandifolia</u> | <u>T</u> | <u>FAC</u> | 10. <u>Aster acuminatus</u> | <u>H</u> | <u>UPL*</u> |
| 3. <u>B. populifolia</u> | <u>T</u> | <u>FAC</u> | 11. | | |
| 4. <u>A. rubrum</u> | <u>S</u> | <u>FAC</u> | 12. | | |
| 5. <u>V. lentago</u> | <u>S</u> | <u>FAC</u> | 13. | | |
| 6. <u>P. grandidentata</u> | <u>S</u> | <u>FACU</u> | 14. | | |
| 7. <u>Pteridium aquilinum</u> | <u>H</u> | <u>FACU</u> | 15. | | |
| 8. <u>Menthenum canadense</u> | <u>H</u> | <u>FAC-</u> | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/10 - 50%</u> | | | | | |
| Remarks: | | | | | |
| * NI - assume UPL | | | | | |

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 checked="" type="checkbox"/> Other <u>DEC/TOPO</u></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 checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p> |
| <p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>4"</u></p> | |
| Remarks: | |

Date: 8-16-06
 Community ID: Upland
 Plot ID: AR986A/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 | | - | - | organics |
| 2-4 | A | 10YR 2/1 | - | - | Sandy loam |
| 4-10 | E | | | | Coarse sandy silt |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes <input 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 | |

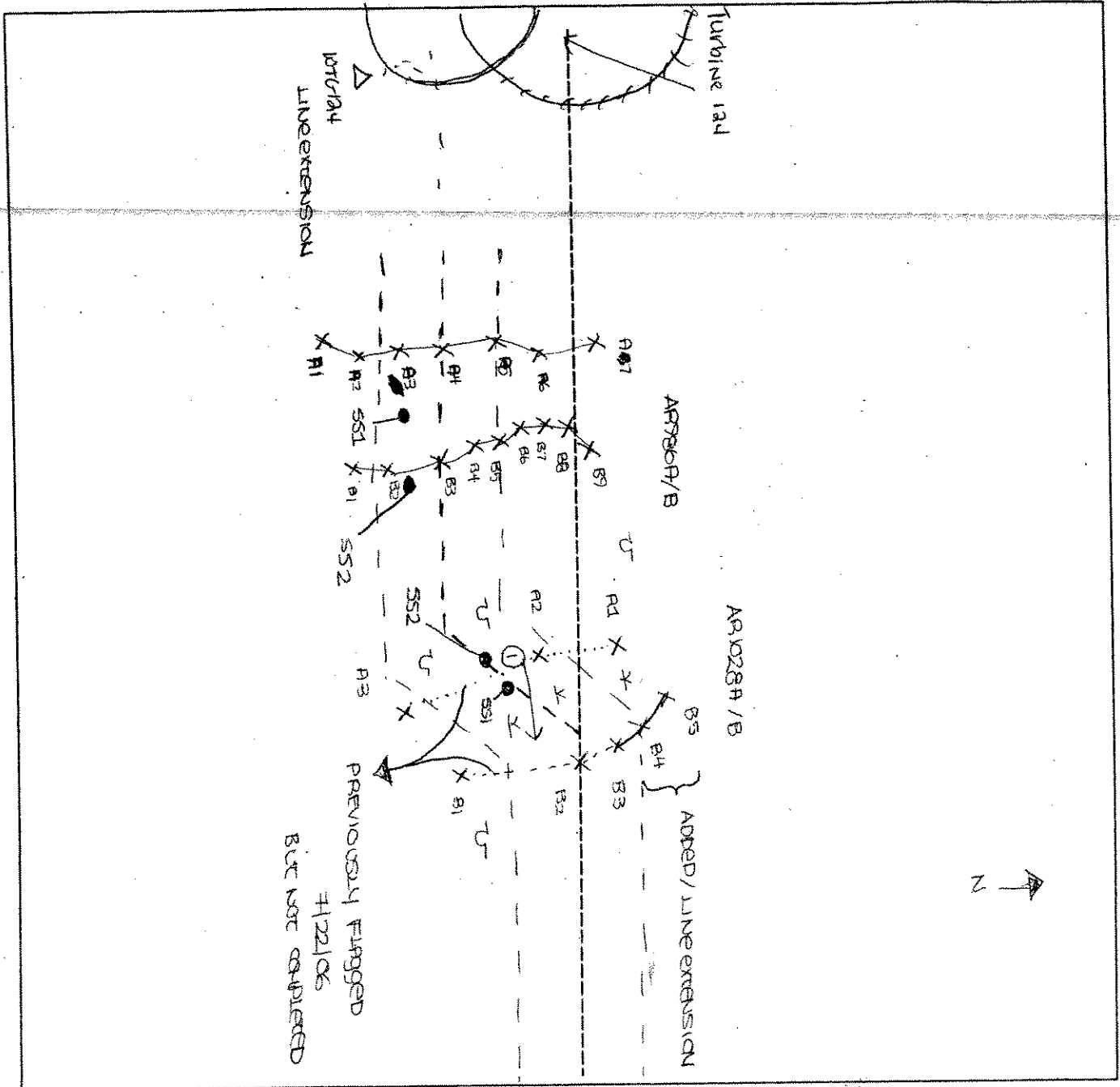
Remarks: Heavily logged area with major disturbance resulting in problem area.

P 08160115 = E

AR986 A/B

SKETCH FORM

| | | | |
|---|-----------------------------|--------------------------------|----------|
| Wetland ID/Route #: AR1028 A/B (COMPLETION OF) * SEE 7122106 | | Date: 8/16/06 05 | Time: PM |
| Initials of Delineators: RD / SC | | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO ① FACING EAST | | |



| 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: RD / SC | Date: 7/13/06 County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" 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: AR1008A Plot ID: SSI |

VEGETATION

| Plant Community Classification: PALUSTRINE FORESTED M/R (DECID + CONIF) | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: 80 Shrub: 20 Herb: 50 Vine: 0 | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. BALSAM FIR | C/S/H | FAC | 9. | | |
| 2. RED MAPLE | T/S | FAC | 10. | | |
| 3. SERVICE BERRY | S | FAC | 11. | | |
| 4. GRAY BIRCH | T | FAC | 12. | | |
| 5. CINNABON FERN | H | FACW | 13. | | |
| 6. CANADA MAPLE MAYFLOWER | H | FAC | 14. | | |
| 7. SPHAGNUM | H | OBL | 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 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 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.): 2" Depth to Saturated Soil (in.): 0 IN | |
| Remarks: photo F -> SE AT SSI | |

Date: 7/13/06
 Community ID: WERNIS
 Plot ID: AR1008A-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. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-3 | O | - | - | - | PEAT (sphagnum) |
| 3-6 | A | 10YR 2/1 | - | - | Silt loam (sandy) |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

| | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input 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:
 - PERM to depth AT 6"
 - SHALLOW BEDROCK

WETLAND DETERMINATION

| | | | | | | |
|---------------------------------|-----|----|--|-----|-----|----|
| Hydrophytic Vegetation Present? | Yes | No | Is this Sample Station Point Within a Wetland? | Yes | No | |
| Wetlands Hydrology Present? | Yes | No | | | 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: <i>SC, BD</i> | Date: <i>7/13/06</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>Upland</i> Transect ID: <i>A21008A</i> Plot ID: <i>552</i> |

VEGETATION

Upland Forest Decid & Conifer mix

Plant Community Classification:
Percent Canopy Cover: Tree: *85%*, Shrub: *40%*, Herb: *20%*, Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------|------------|-------------|------------------------|---------|-----------|
| 1. <i>Sweet gum</i> | <i>T/S</i> | <i>FAC</i> | 9. | | |
| 2. <i>Red cherry</i> | <i>S</i> | <i>FACU</i> | 10. | | |
| 3. <i>Red maple</i> | <i>T/S</i> | <i>FAC</i> | 11. | | |
| 4. <i>O. maple</i> | <i>T</i> | <i>FACU</i> | 12. | | |
| 5. <i>Canada Yellow</i> | <i>N</i> | <i>FAC</i> | 13. | | |
| 6. <i>Mayflower</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 type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i> | |
| Remarks: | |

Date: 7/13/06
 Community ID: Upland
 Plot ID: AR1008A-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 | - | - | - | Organic (10% h. h.) |
| 2-6 | A | 10YR 2/1 | - | - | Silt clay |
| 6-8 | B | 7.5YR 4/2 | - | - | 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:
Revised depth at 8"

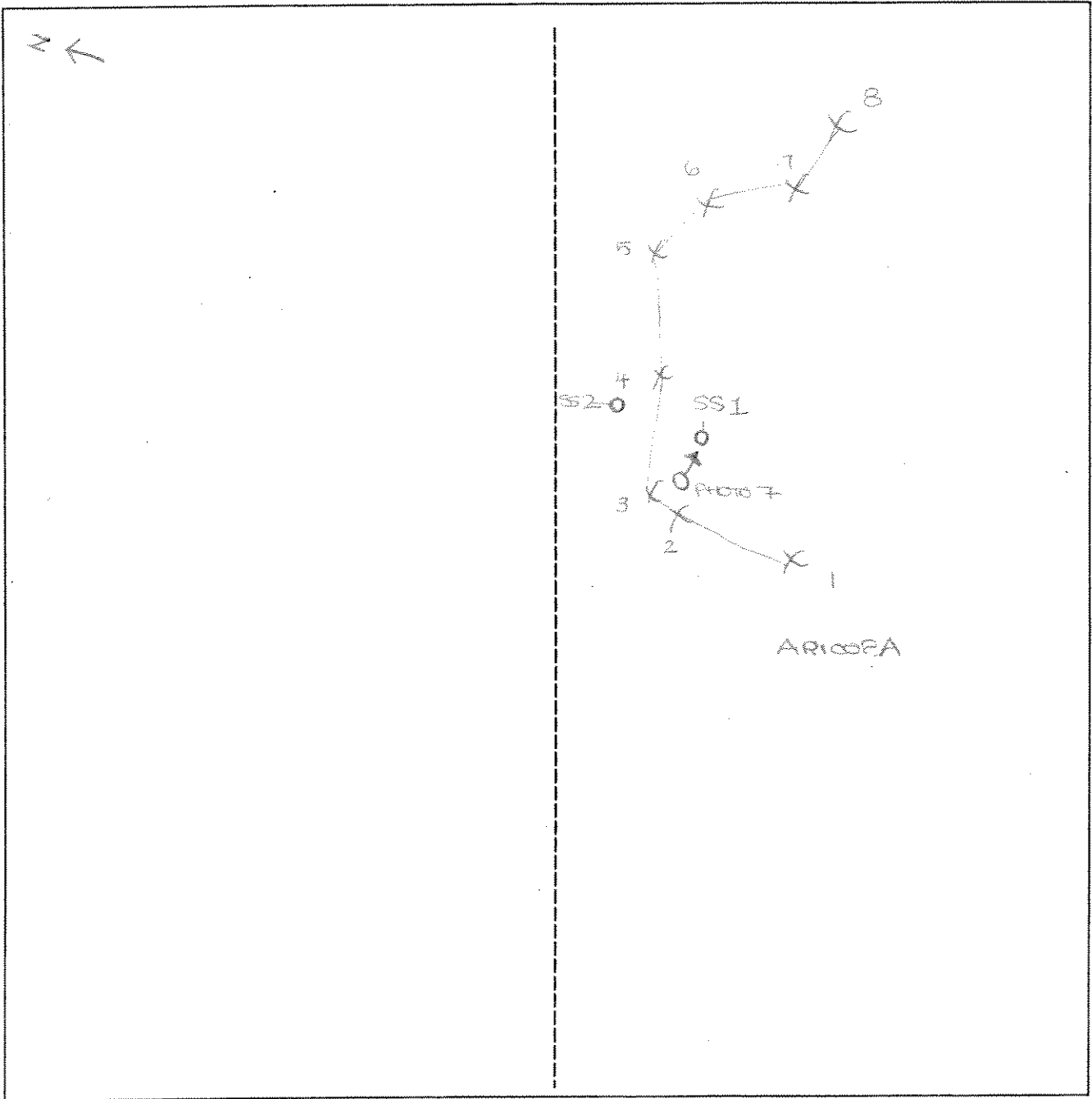
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

| | | |
|---|---|-------|
| Wetland ID/Route #: <i>ARI008A</i> | Date: <i>7/12/06</i> | Time: |
| Initials of Delineators: <i>RD / SC</i> | Location: <i>MARBLE RIVER</i> | |
| Roll #: | Frames: <i>PHOTO 7 FACING SOUTHWEST</i> | |



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

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

NOTE
IC WETLAND
NOT AIR

| | |
|--|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SC</i> | Date: 7/3/06 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: AR1009A Plot ID: 551 |

VEGETATION

PFO - Decid

Plant Community Classification: _____
Percent Canopy Cover: Tree: 75% Shrub: 20% Herb: 5% Vine: 0%

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|---|---------|-----------|------------------------|---------|-------------------------|
| 1. Red maple | T/S | FAC | 9. <i>CAREX sp</i> | H | <i>no less than 10%</i> |
| 2. Sugar maple | T/S | FACW- | 10. | | |
| 3. Green Ash | T/S | FACW | 11. | | |
| 4. American Elm | T/S | FACW- | 12. | | |
| 5. Water Birch | H | FAC | 13. | | |
| 6. <i>MORONA</i> <small>MORONIA</small> | H | FAC- | 14. | | |
| 7. Serviceberry | SH | FAC | 15. | | |
| 8. <i>Club moss</i> | H | FAC | 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 | 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 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 checked="" type="checkbox"/> Other (Explain in Remarks) |
| Field Observations: Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0" | |
| Remarks: H2O Drain to NE <i>BUTTERFLY</i> Photo 8 → N for AR1009A-5 towards 551 | |

Date: 7/13/06
 Community ID: WETLAND
 Plot ID: AR1009ASS1

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 | 10YR5/2 | — | — | Silt loam w/ org |
| 4-18 | B | 10YR4/2 | 10YR4/6 | Fine/Few/Faint | SANDY CLAY |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks:

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RMS, SC</u> | Date: <u>7/13/06</u> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <u>Yes</u> <input type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> <input type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? <u>Yes</u> <input type="radio"/> No <input type="radio"/> (If needed, explain on reverse.) | Community ID: <u>WETLAND</u> Transect ID: <u>AR1009A</u> Plot ID: <u>552</u> |

VEGETATION UPLAND DECIDUOUS FOREST

Plant Community Classification:
Percent Canopy Cover: Tree: 85% Shrub: 5% Herb: 70% Vine: 0

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|------------------------|---------|-----------|------------------------|---------|-----------|
| 1. SUGAR MAPLE | T/K/H | FACW- | 9. | | |
| 2. SWEETGUM | S | FAC | 10. | | |
| 3. WOOD BEECH | H | TAC | 11. | | |
| 4. CANADA LILLY | H | FAC- | 12. | | |
| 5. CLUB MOSS | H | FAC | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |

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

Remarks: Armor beech observed in close proximity

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.): <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: 7/13/06
 Community ID: Upland
 Plot ID: AR1009A-SSJ

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 |
| 8-18 | B | 10YR 4/3 | — | — | 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 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: | | | | | |

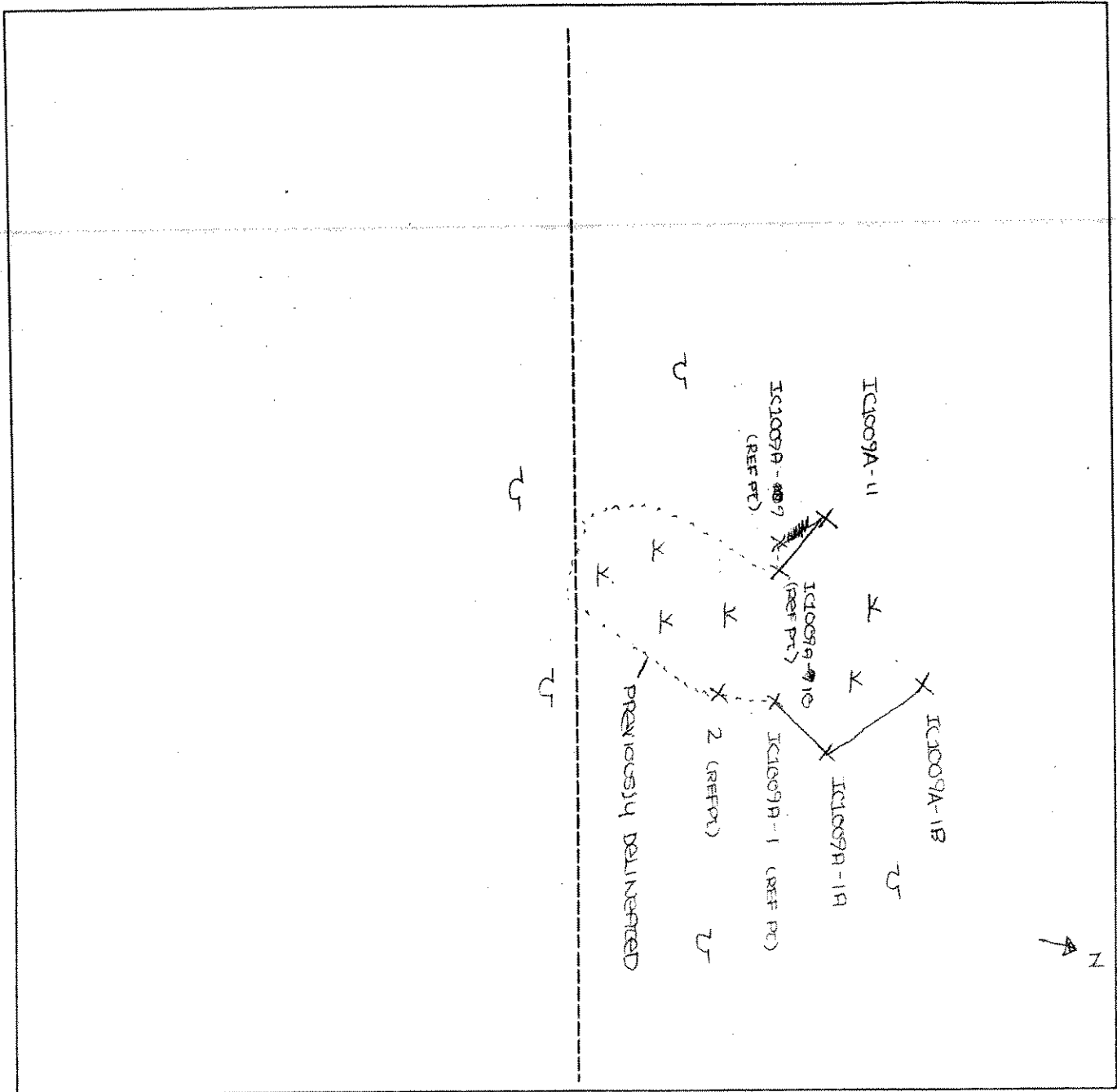
WETLAND DETERMINATION

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

Line extension

SKETCH FORM

| | | |
|--|------------------------|----------|
| Wetland ID/Route #: IC1009A (LINE EXTENSION) | Date: 8/19/06 | Time: AM |
| Initials of Delineators: JV / SM / SC | Location: MARBLE RIVER | |
| 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: <u>BL</u> | Date: <u>7-18-06</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>AR 1017-A-551</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|----------------|----------------------------|-----------------|----------------|
| Percent Canopy Cover: | | Tree: <u>0</u> | Shrub: <u>10</u> | Herb: <u>95</u> | Vine: <u>5</u> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Scirpus atrovirens</i> | H | OBL | 9. <i>Utricularia</i> | ABW | FACW |
| 2. <i>Sagittaria</i> | H | FACW | 10. <i>Water horehound</i> | H | OBL |
| 3. <i>Juncus effusus</i> | H | FACW | 11. | | |
| 4. <i>Carex scariosa</i> | H | FACW | 12. | | |
| 5. <i>Agrostis alba</i> | H | FACW | 13. | | |
| 6. <i>Tall buttercup</i> | H | FACW | 14. | | |
| 7. <i>Timothy</i> | H | FACW | 15. | | |
| 8. <i>Silene spaldingii</i> | SH | assumed | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | <u>90%</u> | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|--|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>2"</u> | Remarks: |

Date: 7-18-06
 Community ID: wetland
 Plot ID:

AR 1017-A-551

SOILS

| Map Unit Name (Series and Phase): | | Drainage Class: | | | | |
|--|---------|---|--|--|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | | |
| Profile Description: | | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. | |
| 0-12 | Ap | 2.5Y 3.5/1 | 7.5YR 3/3 | 75% | Sandy loam | |
| 12-16+ | Bw | 2.5Y 6/2 | 10YR 9/6 | 75% | 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | | | <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: | | | | | | |

WETLAND DETERMINATION

| | | | |
|---------------------------------|--------------------------------------|--------------------------|--|
| Hydrophytic Vegetation Present? | <input checked="" type="radio"/> Yes | <input type="radio"/> No | 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 | | | |
| PE #1 → w | | | |

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

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i> | Date: <i>7-18-06</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>Upland</i> Transect ID: Plot ID: <i>AR 1017-4-552</i> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|----------|-----------------------------|------------------------------|------------------|-----------------------------|
| 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>Timothy</i> | <i>H</i> | <i>FACU</i> | 9. | | |
| 2. <i>Agrostis alba</i> | <i>H</i> | <i>FACU</i> | 10. | | |
| 3. <i>Sweet vernal grass</i> | <i>H</i> | <i>FACU</i> | 11. | | |
| 4. <i>Agropyron repens</i> | <i>H</i> | <i>FACU</i> | 12. | | |
| 5. | | | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</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 <i>None</i> <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: <i>None</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date:
 Community ID:
 Plot ID:

SOILS

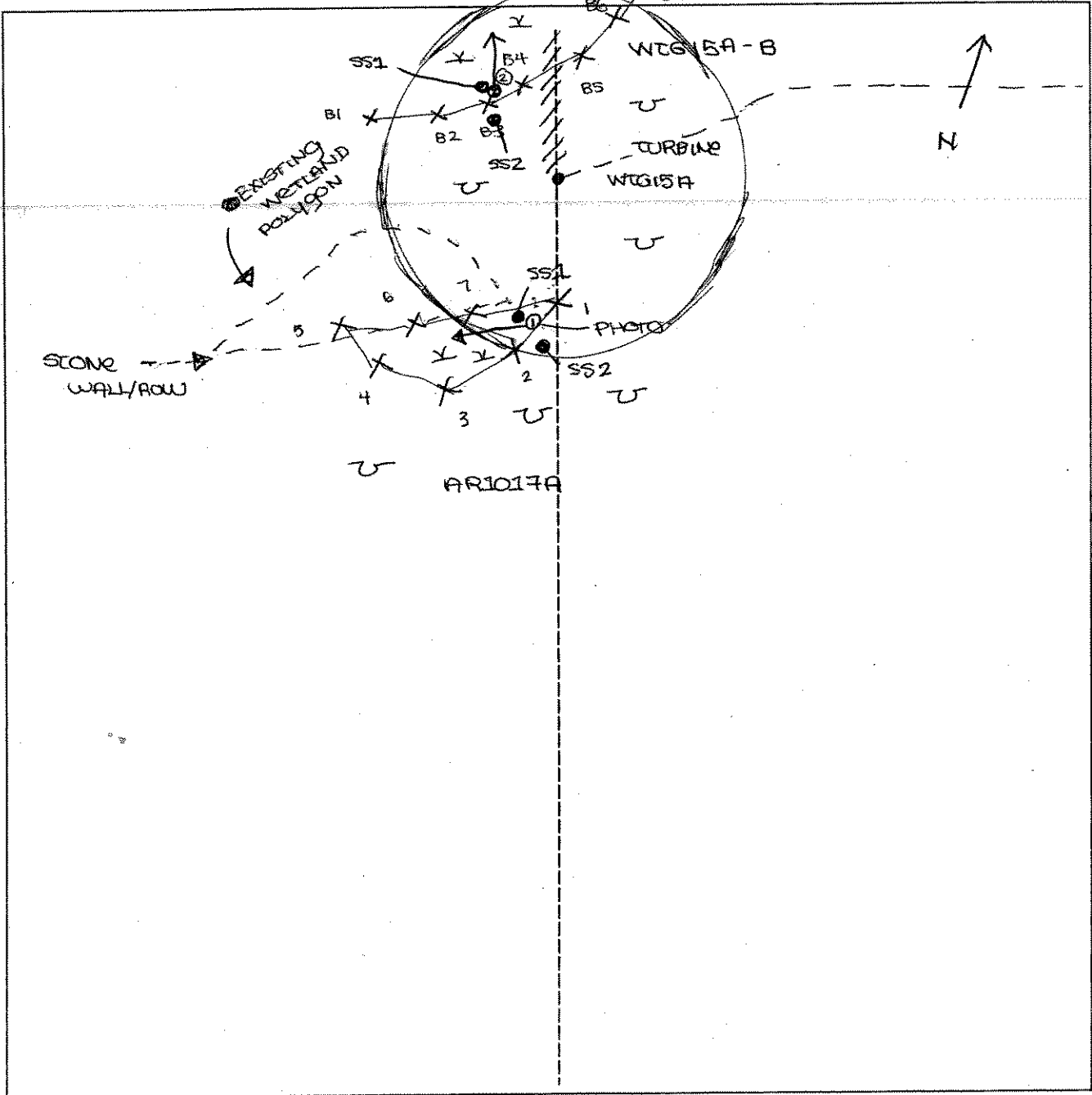
| | | | | | |
|---|---------|--|----------------------------------|--|--|
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-6 | Ap | 10YR 3/2 | None | — | — |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input 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 | | | |

SKETCH FORM

| | | |
|---|---|-------|
| Wetland ID/Route #: WEGISA-B AR1017A | Date: 7/18/08 | Time: |
| Initials of Delineators: BQ / SC | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO 1 FACING WEST PHOTO 2 FACING NORTH | |



| <u>Legend</u> | |
|---------------|--------------------------|
| | 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: <i>BC</i> | Date: <i>7-20-06</i> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>wet</i> Transect ID: Plot ID: <i>ARIC 1021-A-551</i> |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: *65* Shrub: *20* Herb: *30* Vine: *0*

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Populus populifolia</i> | T | FAC | 10. | | |
| 3. <i>Ulmus americana</i> | T | FACW | 11. | | |
| 4. <i>Cycas sp.</i> | H | Assumed | 12. | | |
| 5. <i>Spartina</i> | H | OBL | 13. | | |
| 6. <i>Strawberry</i> | H | FACU | 14. | | |
| 7. <i>Spina o latifolia</i> | H | FAC+ | 15. | | |
| 8 | | | 16. | | |

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *86%*

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 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 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: <i>NOT OBSERVED</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: <i>no surface water observed May 06</i> | |

Date: 7-20-06
 Community ID:
 Plot ID:

ARIC 1081-4851

SOILS

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

| Profile Description: | | | | | |
|----------------------|---------|---------------------------------|----------------------------------|--|--|
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-12 | A | 2.5 Y 3/1 | 7.5 YR 2/4 | 2% | |
| 12-16t | B | 2.5 6/2 | 7.5 YR 3/3 | 75% | |
| | | | 10 YR 5/6 | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Pic → w

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

| | |
|---|---|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u> | Date: <u>7-20-06</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>Upland</u> Transect ID: Plot ID: <u>ACIR 1021-ASS2</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|-----------|-----------------|------------------------|-----------------|-----------|
| Percent Canopy Cover: | | Tree: <u>80</u> | Shrub: <u>20</u> | Herb: <u>20</u> | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Acer idyrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Betula populifolia</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>Corylus cornuta</u> | <u>SH</u> | <u>FAC</u> | 11. | | |
| 4. <u>Corylus cornuta</u> | <u>SH</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>75%</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 checked="" 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 <u>None</u> <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.): Depth to Saturated Soil (in.): | Remarks: |

Date: 7-20-06
 Community ID:
 Plot ID:

ARIC

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 YR 3/5 | None | — | Sandy loam |
| 3-10 | B | 10 YR 4/4 | None | — | 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:

- extreme, stony @ 10"

WETLAND DETERMINATION

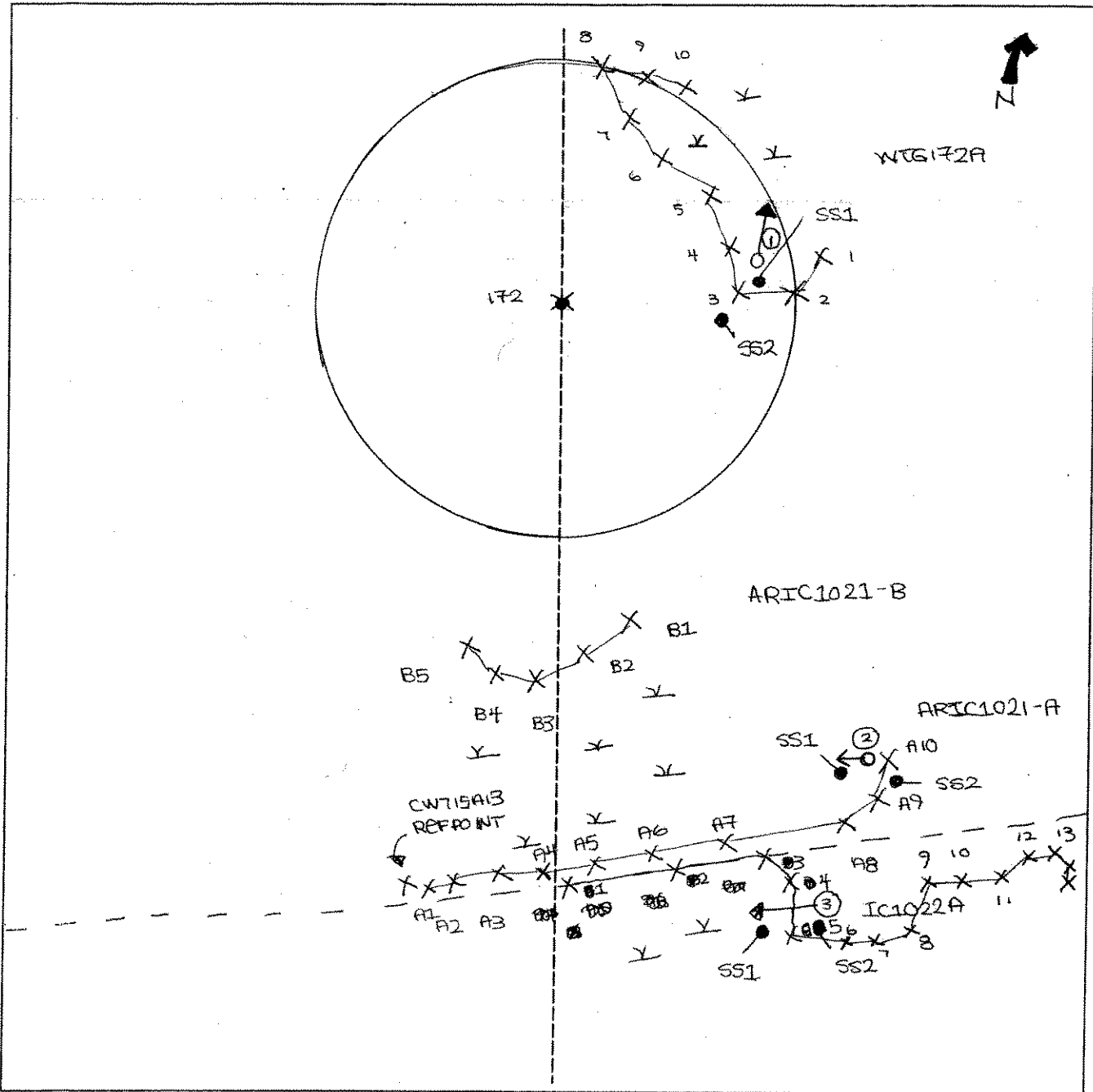
| | | |
|---------------------------------|---|--|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="radio"/> No <input type="radio"/> | Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Wetlands Hydrology Present? | Yes <input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

Remarks

ARIC1022A

SKETCH FORM

| | | |
|---|---|-------|
| Wetland ID/Route #: WGS172A ARIC1021 A/B | Date: 7/20/07 | Time: |
| Intials of Delineators: BG / SC | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO 1 → NORTH // PHOTO 2 FACING WEST // PHOTO 3 FACING WEST | |



| 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>MARIE River</u> Applicant/Owner: <u>Huron</u> Investigator: <u>RTJ</u> | Date: <u>5/23/07</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? (If needed, explain on reverse.) | Community ID: <u>WETLAND</u> Transect ID: <u>ARL1021 A10</u> Plot ID: <u>-555</u> |

VEGETATION (PFO)

| Plant Community Classification: Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>60%</u> Herb: <u>75%</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. <u>CANE SP</u> | <u>H</u> | |
| 2. <u>GRAY HERCIT</u> | <u>T/S</u> | <u>FAC</u> | 10. <u>RED OAK</u> | <u>S</u> | <u>FACW+</u> |
| 3. <u>AMERICAN ELM</u> | <u>T</u> | <u>FACW-</u> | 11. | | |
| 4. <u>MIDLAND SWAMP</u> | <u>S</u> | <u>FAC+</u> | 12. | | |
| 5. <u>BLACK WILLOW</u> | <u>S</u> | <u>FACW</u> | 13. | | |
| 6. <u>SPRING FERN</u> | <u>H</u> | <u>FACW</u> | 14. | | |
| 7. <u>EQUISETUM</u> | <u>H</u> | <u>FACW</u> | 15. | | |
| 8. <u>UNIDENTIFIED OI</u> | <u>H</u> | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>10/12 = 83%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

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

Date: 5/23/07
 Community ID: WERAD
 Plot ID:

ARLIE 021 A/B-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. |
| 0-8 | A | 10YR 2/1 | | | Silty clay LAM |
| 8-14 | B | 10YR 5/2 | 50/50 | | CLAY |
| | | 10YR 4/1 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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: Very Rocky. * Removal of A layer at 14" | | | | | |

WETLAND DETERMINATION

| | | | | | |
|----------------------------------|-----|----|--|-----|----|
| Hydrophytic Vegetation Present? | Yes | No | Isolated? | Yes | No |
| Wetlands Hydrology Present? | Yes | No | | | |
| Hydric Soils Present? | Yes | No | Is this Sample Station Point Within a Wetland? | Yes | No |
| Remarks: Line extends to east | | | | | |

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

| | |
|--|--|
| Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>HULTON</u> Investigator: <u>EDJ</u> | Date: <u>5/23/07</u> County: <u>CLATSOP</u> State: <u>OR</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>AR11C 1021A13</u> <u>556</u> |

VEGETATION UPLAND DECIDUOUS FOREST

| Plant Community Classification: | | | | | |
|---|----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>20%</u> Herb: <u>30%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>RED MAPLE</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>QUAKING ASPEN</u> | <u>T</u> | <u>FACU</u> | 10. | | |
| 3. <u>MEADOWSWEET</u> | <u>S</u> | <u>FAC+</u> | 11. | | |
| 4. <u>STRAWBERRY</u> | <u>H</u> | <u>FACU</u> | 12. | | |
| 5. <u>EQUISETUM</u> | <u>H</u> | <u>FACW</u> | 13. | | |
| 6. <u>R. STEMMED GOLDENROD</u> | <u>H</u> | <u>FAC</u> | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>6/8 = 75%</u> | | | | | |
| Remarks: | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators: Primary Indicators: <input 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>0"</u> | |
| Remarks: | |

Date: 8/23/07
 Community ID: UPLAND
 Plot ID:

PRIC 1021 A/B - 556

SOILS

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

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-8 | A | 10YR 2/1 | | | Heavy silt loam |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: *PERusal of Auger at 8"
 Very Rocky*

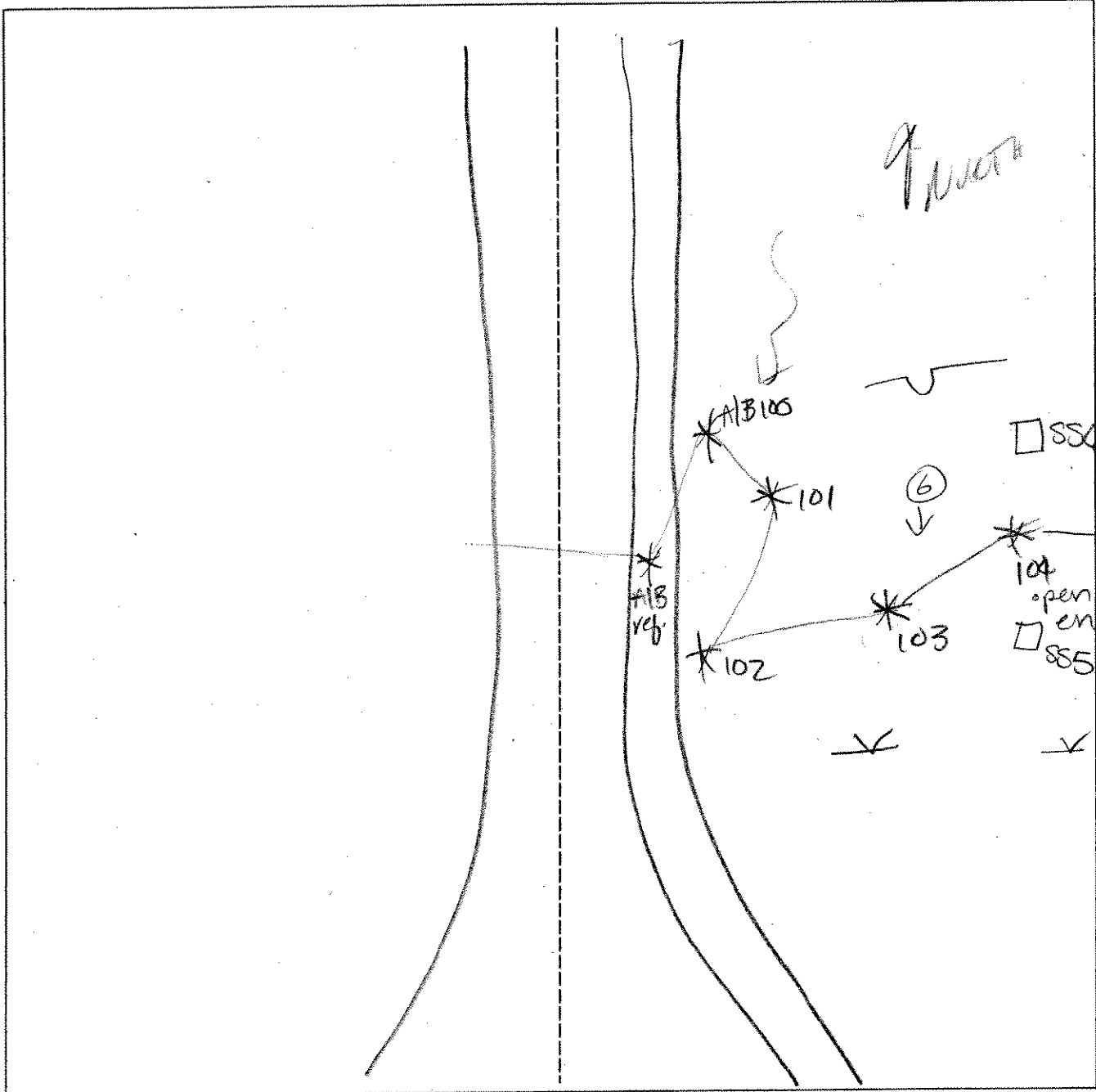
WETLAND DETERMINATION

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

Remarks: *WORMS.*

SKETCH FORM

| | | |
|---|----------------------|-------|
| Wetland ID/Route #: ARIC1021 A/B | Date: 5/23/07 | Time: |
| Initials of Delineators: RD 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: <u>BO</u> | Date: <u>7-21-06</u> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.) | Community ID: <u>Wet</u> Transect ID: Plot ID: <u>AR 1026-1-391</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|-----------|--------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>60</u> Herb: <u>25</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>Viburnum cassinoides</u> | <u>SH</u> | <u>FACW</u> | 10. | | |
| 3. <u>Alex verticillata</u> | <u>SH</u> | <u>FACW+</u> | 11. | | |
| 4. <u>Carex intumescens</u> | <u>H</u> | <u>FACW+</u> | 12. | | |
| 5. <u>Carex eriuca</u> | <u>H</u> | <u>OBL</u> | 13. | | |
| 6. <u>Sparganium angustifolium</u> | <u>H</u> | <u>FAC+</u> | 14. | | |
| 7. <u>Sphagnum</u> | <u>H</u> | <u>OBL</u> | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> | | | | | |
| Remarks: <u>logged but veg. still clear, not atyp situation</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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>2"</u> | |
| Remarks: | |

Date: 7-26-06
 Community ID: Wetland
 Plot ID:

AR 10+6 A-SS1

SOILS

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

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|----------------|----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-3 | O _e | 10YR 7/1 | - | | SAPIC |
| 3-12 | A | 5Y 3/1 | 7.5Y 3/3 | 2% | loamy loam |
| 12-15+ | B _w | 5Y 5/2 | 10YR 5/6 | 71% | 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 checked="" 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

pic → N

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u> | Date: <u>7-21-06</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>Upland</u> Transect ID: Plot ID: <u>AR 1026-A 552</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|---|-----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>30</u> Herb: <u>25</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Red Maple</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Betula populifolia</u> | <u>T</u> | <u>FAC</u> | 10. | | |
| 3. <u>Corylus cornuta</u> | <u>SH</u> | <u>FACW</u> | 11. | | |
| 4. <u>Black cherry</u> | <u>SH</u> | <u>FACW</u> | 12. | | |
| 5. <u>Black locust</u> | <u>T</u> | <u>FACW</u> | 13. | | |
| 6. | | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</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 <u>none</u> <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 observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 7-21-06
 Community ID: Upland
 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. |
| 0-6 | A | 10YR 2/2 | None | — | Sandy loam |
| 6-9 | B _{w1} | 10YR 7/3 | None | — | ↓ |
| 9-15+ | B _{w2} | 10YR 4/4 | 10YR 4/6 | < 2% | |
| | | | | | |
| | | | | | |

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:

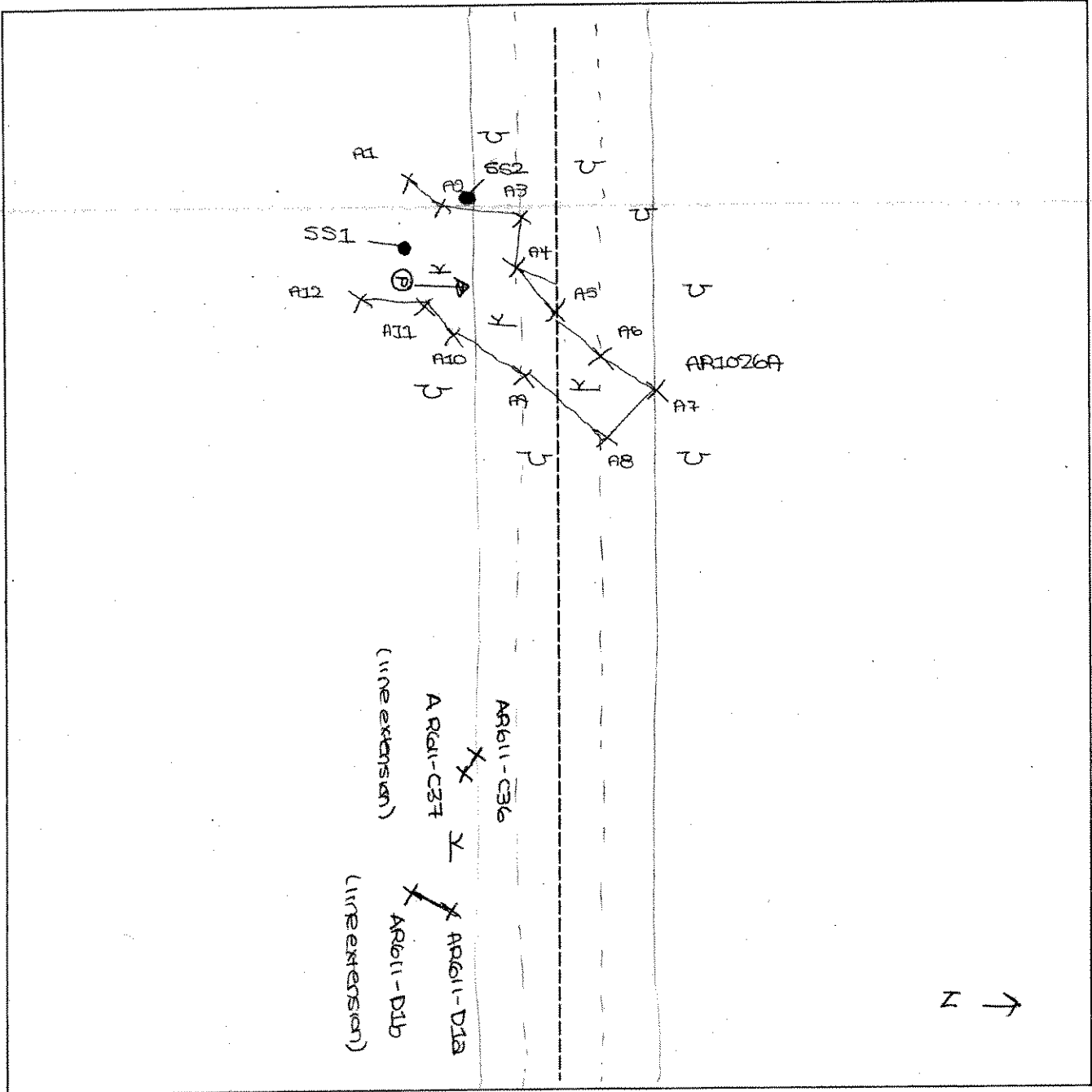
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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:

SKETCH FORM

| | | |
|----------------------------------|----------------------------|-------|
| Wetland ID/Route #: AR1026A | Date: 7/21/06 | Time: |
| Initials of Delineators: EQ / SC | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO FACING NORTH | |



| 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>BQ</u> | Date: <u>7-23-</u> County: Clinton State: NY |
| Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.) <u>see determination remarks</u> | Community ID: <u>wet</u> Transect ID: Plot ID: <u>AR 1027-A/B-591</u> |

VEGETATION

| Plant Community Classification: | | | | | |
|--|-----------|-------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>60</u> Herb: <u>25</u> Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Acer rubrum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Viburnum cassinoides</u> | <u>SH</u> | <u>FACW</u> | 10. | | |
| 3. <u>Acer rubrum</u> | <u>SH</u> | <u>FAC</u> | 11. | | |
| 4. <u>Carex crinita</u> | <u>H</u> | <u>OBL</u> | 12. | | |
| 5. <u>Solidago</u> | <u>H</u> | <u>OBL</u> | 13. | | |
| 6. <u>Rough goldenrod</u> | <u>H</u> | <u>FAC</u> | 14. | | |
| 7. <u>Wood aster ?</u> | <u>H</u> | <u>?</u> | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>- Veg in adj. undisturbed areas @ same topo</u> <u>- Red maple stumps in disturbed areas</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 checked="" type="checkbox"/> Inundated <u>Areas of ponding</u> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" 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>0"-4"</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>Surface</u> | |
| Remarks: <u>Hydrology in disturbed areas</u> | |

Date: 7-22-06
 Community ID:
 Plot ID:

SOILS

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

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|----------------|---------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-8 | O/A | 2.5Y 2.5/1 | 7.5Y 4/2 3/3 | 5% | much mineral |
| 8-16 | Bg | 2.5Y 5/1 | 2.5Y 6/1 7.5Y R 3/3 | 75% | Sandy loam |
| | | | | | |
| | | | | | |

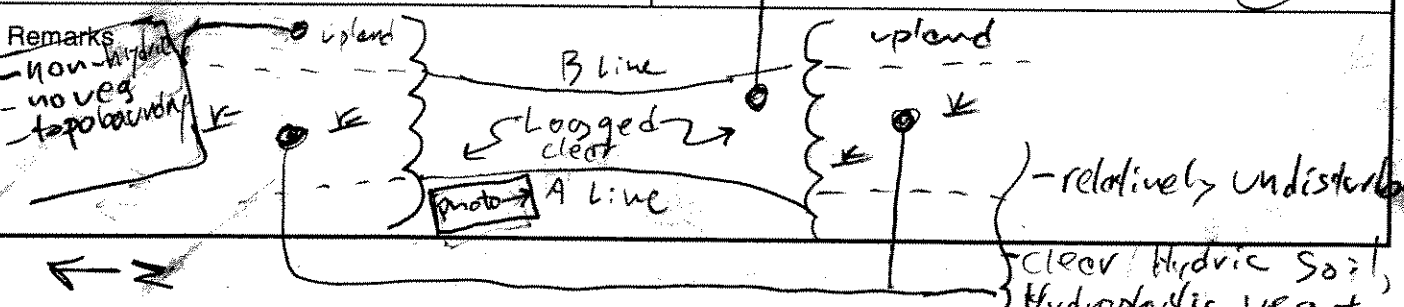
Hydro Soil Indicators

| | |
|--|---|
| <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: - Soil from adj. undisturbed area of same topo

WETLAND DETERMINATION Pic → S

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



- clear hydrology
 - All veg removed (Red maple stumps)
 - Soils heavily disturbed
 - relatively undisturbed
 - clear hydric soil, hydrophytic veg + hydrology
 - represents normal circumstances

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

| | |
|--|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BCQ</i> | Date: <i>7-22-06</i> County: Clinton State: NY |
| 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 checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.) | Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 10+7 A/B-552</i> |

VEGETATION

| Plant Community Classification: | | | | | |
|--|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: | | Tree: | Shrub: | Herb: | Vine: |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Populus tremula</i> (stumps) | T | FACU | 10. | | |
| 3. <i>Populus tremula</i> | SH | FACU | 11. | | |
| 4. <i>Black cherry</i> (<i>R. allegheniensis</i>) | SH | FACU | 12. | | |
| 5. <i>Black cherry</i> | H | FACU | 13. | | |
| 6. <i>Acer rubrum</i> | SH | FAC | 14. | | |
| 7. <i>Sorbarilla</i> (<i>A. nudicaulis</i>) | H | FACU | 15. | | |
| 8. <i>Choke cherry</i> | SH | FACU | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i> | | | | | |
| Remarks: <i>- vegetation from partially disturbed area - most sp. clearly identifiable</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 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: <i>none observed</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | <i>NOTE</i> |
| Remarks: <i>- hydrology in heavily disturbed area</i> | |

Date: 7-22-06
 Community ID:
 Plot ID:

AR 1027-A/B

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 _i | 2.5YR 2.5/2 | none | - | |
| 2-5 | A | 10YR 2/2 | none | - | Sandy loam |
| 5-7 | B _{u1} | 10YR 4/4 | none | - | ↓ |
| 7-15 ⁺ | B _{u2} | 10YR 8/6 | none | - | |
| | | | | | |
| | | | | | |

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:
 - soil is from relatively undisturbed location at same topo

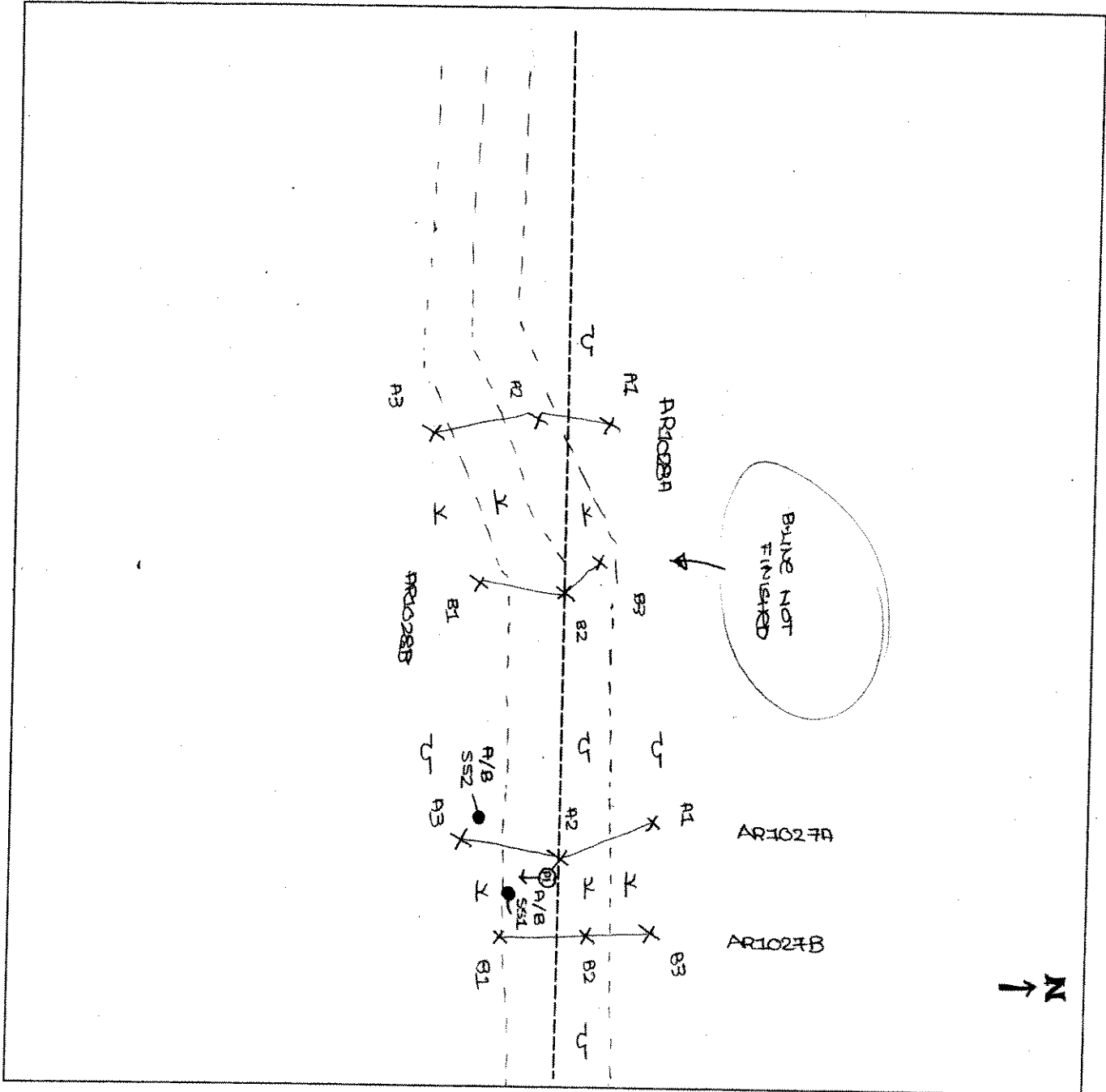
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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:
 see remarks of AR 1027-A/B-SS1

SKETCH FORM

| | | |
|--|------------------------|-------|
| Wetland ID/Route #: AR1027A | Date: 7/22/06 | Time: |
| Initials of Delineators: ESQ / SC | Location: MARBLE RIVER | |
| Roll #: Frames: PHOTO FACING SOUTH (AR1027A/B) | | |



| 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>W.D. Se</u> | Date: <u>8/16/06</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; 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 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 checked="" 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 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>wetland</u> Transect ID: <u>A21028 A/B</u> Plot ID: <u>551</u> | | | | | | | |

VEGETATION

PTD - Logged & Disturbed

| Plant Community Classification: | | | | | |
|--|------------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>30%</u> Shrub: <u>65%</u> Herb: <u>45%</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Red maple</u> | <u>T/S</u> | | 9. | | |
| 2. <u>Red bayberry</u> | <u>S</u> | | 10. | | |
| 3. <u>Aster sp</u> | <u>H</u> | | 11. | | |
| 4. <u>Spiral man</u> | <u>H</u> | | 12. | | |
| 5. <u>Club moss</u> | <u>H</u> | | 13. | | |
| 6. <u>Quercus sp</u> | <u>H</u> | | 14. | | |
| 7. | | | 15. | | |
| 8. | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): | | | | | |
| Remarks: <u>Site had not been logged - in high salt area</u> | | | | | |

HYDROLOGY

| | |
|---|--|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available | 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>N/A</u> Depth to Free Standing Water in Pit (in.): <u>4"</u> Depth to Saturated Soil (in.): <u>0"</u> | |
| Remarks: | |

Date: 8/16/06
 Community ID: wetland
 Plot ID: AC1028A13

02956
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, Structure, etc. |
|----------------------|---------|-----------------|-----------------|-------------------------|---------------------------------------|
| Depth (Inches) | Horizon | (Munsell Moist) | (Munsell Moist) | Abundance/Size/Contrast | |
| 0-6 | A | 10YR 2/1 | - | - | Silt/mud/clay/sand |
| 6-12 | B | 10YR 4/2-5/2 | 10YR 3/6 | many/coarse/dist | clay/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:
 Record of Hydr 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

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

| | |
|---|--|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i> | Date: <i>8/16/06</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>AR1028A13</i> Transect ID: Plot ID: <i>upland</i> <div style="text-align: right; margin-top: 10px;"><i>552</i></div> |

VEGETATION *upland* *acid trees*

| Plant Community Classification: Percent Canopy Cover: Tree: <i>40%</i> Shrub: <i>30%</i> Herb: <i>50%</i> Vine: <i>0</i> | | | | | |
|---|------------|-----------|--------------------------|----------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Red maple</i> | <i>T/S</i> | | 9. <i>Red Blackberry</i> | <i>S</i> | |
| 2. <i>Silkcherry</i> | <i>T</i> | | 10. <i>Maple</i> | <i>H</i> | |
| 3. <i>Towhee</i> | <i>S</i> | | 11. | | |
| 4. <i>Banana Fern</i> | <i>H</i> | | 12. | | |
| 5. <i>Blueberry</i> | <i>H</i> | | 13. | | |
| 6. <i>Amma</i> | <i>H</i> | | 14. | | |
| 7. <i>Amma</i> | <i>H</i> | | 15. | | |
| 8. <i>Wild Smokey</i> | <i>H</i> | | 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 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>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>8"</i> | |
| Remarks: | |

Date: 8/16/06
 Community ID: UPLAND
 Plot ID:

AR 1028 MB SSL

SOILS

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

| Profile Description: | | | | | |
|----------------------|---------|---------------------------------|----------------------------------|--|--|
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-6 | A | 10YR 2/1 | — | — | Silt loam w/ clay in |
| 6-12 | B | 10YR 4/2 | — | — | Sandy silt |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
 0-2" leaf litter & organic
 Rooting zone at 12" (Rooting)

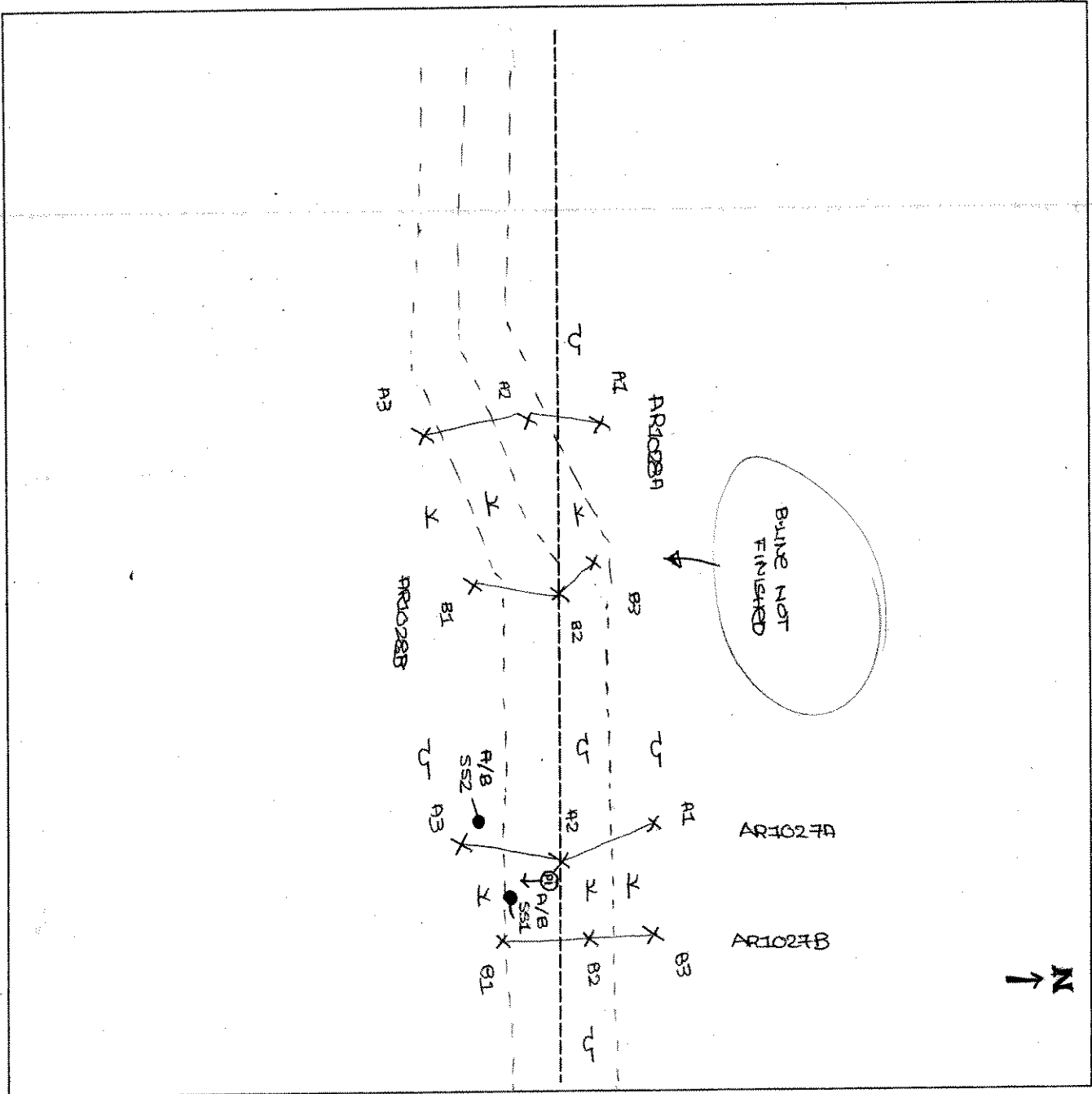
WETLAND DETERMINATION

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

SKETCH FORM

| | | |
|--|--|-------|
| Wetland ID/Route #: AR1027A + <u>AR1028A/B</u> | Date: 7/22/06 | Time: |
| Initials of Delineators: EQ / SC | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO 1 FACING SOUTH (AR1027A/B) | |



| Legend | |
|--------------------------|---------------------|
| Photo Location/Direction | Wetland |
| Sample Station (●) | Upland |
| Centerline | Stream |
| Flag | Intermittent Stream |
| (Symbol) | |

SKETCH FORM

AR986 A/B

Wetland ID/Route #: AR1028 A/B (COMPLETION OF)
* SEE 7122106

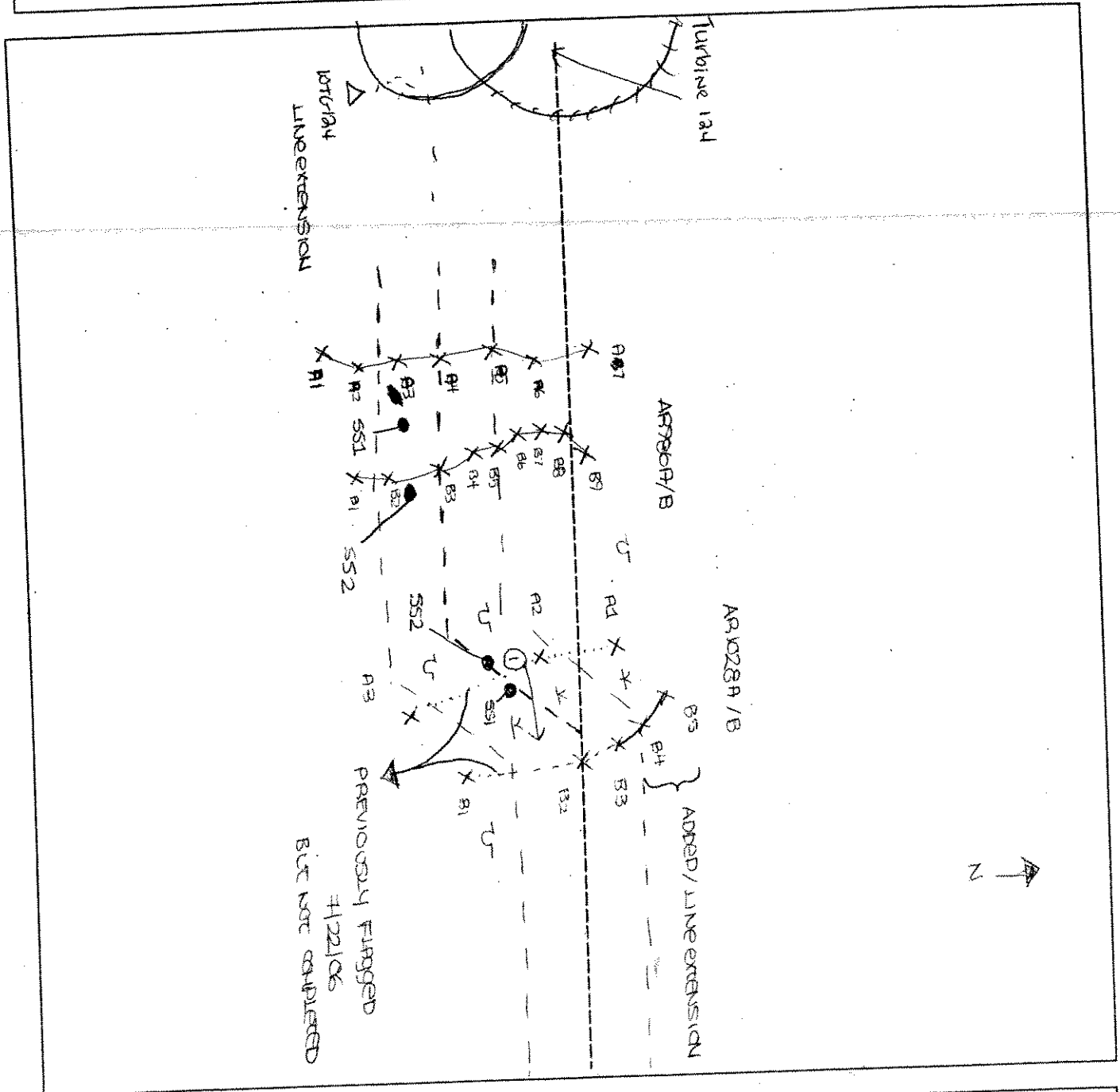
Date: 8/16/06
~~05~~

Time: PM

Initials of Delineators: RD I SC

Location: MARBLE RIVER

Roll #: Frames: PHOTO ① FACING EAST



Legend

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

- Wetland
- Upland
- Stream
- Intermittent Stream

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

AR1028AB 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? 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: PFO1 Transect ID: Plot ID: AR1028 AB SSI |

AR6VLABCD

VEGETATION

| Plant Community Classification: <i>Red maple mesic</i> | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>40</i> Shrub: <i>100</i> Herb: <i>75</i> Vine: <i>0</i> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Betula populifolia</i> | T | FAC | 10. | | |
| 3. <i>A. rubrum</i> | S | FAC | 11. | | |
| 4. <i>B. populifolia</i> | S | FAC | 12. | | |
| 5. <i>Carex sp</i> | H | — | 13. | | |
| 6. <i>Sphagnum moss >50%</i> | M | M | 14. | | |
| 7. <i>in split</i> | | | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>>50%</i> . | | | | | |
| Remarks: <i>Can not id due to season</i> | | | | | |

HYDROLOGY

| | |
|---|--|
| <p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p> | <p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</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><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p> |
| <p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>NA</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>NA</i></p> <p>Depth to Saturated Soil (in.): <i>0"</i></p> | |
| <p>Remarks:</p> | |

Date: 5/9/07
 Community ID: PFO1
 Plot ID:

AR1028 AB 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 | | | cliff face |
| 4-12 | B | 2.5Y 4/2 | 2.5Y 5/6 | prom. few, fine | clay face |
| | | | | | |
| | | | | | |
| | | | | | |

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 at 0", organic streaking in B

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 10 = N DECUE
 Area has recently been logged. soils have been disturbed, hydrology altered due to cuts and compaction. Mature trees have been harvested.

Area is significantly populated by wildlife. Several Bird species observed nesting and foraging.

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: <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>UPL</u> Transect ID: Plot ID: <u>AR1020 AB 882</u> <div style="text-align: right; margin-top: 5px;"><u>AR1011 ABCD EXT</u></div> |

VEGETATION

| Plant Community Classification: <u>PPD1</u> | | | | | |
|---|----------|------------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>40</u> Herb: <u>60</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>A. rubrum</u> | <u>S</u> | <u>FAC</u> | 10. | | |
| 3. <u>Viburnum lentago</u> | <u>S</u> | <u>FAC</u> | 11. | | |
| 4. <u>Pteridium aquilinum</u> | <u>H</u> | <u>FAC</u> | 12. | | |
| 5. <u>Goldthread</u> | <u>H</u> | <u>FAC</u> | 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 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: <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: URL
 Plot ID: AR1028 AB 550

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 | 2.5YR 2.5/3 | | | |
| 1-3 | O | 10YR 2/1 | | | silt |
| 3-12 | A | 5Y 5/2 | 10YR 7/6 | prom., few, fine | 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:

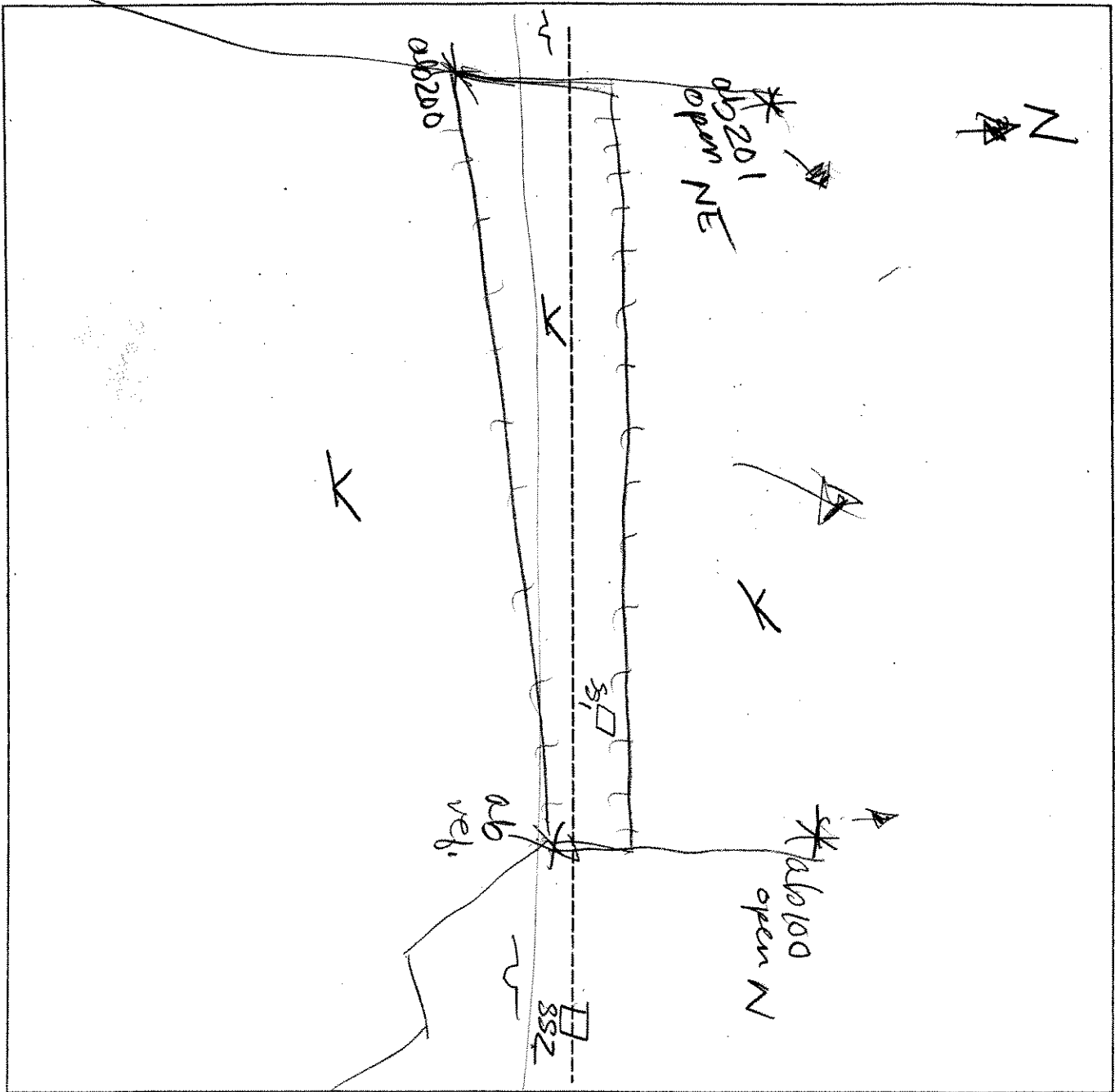
WETLAND DETERMINATION

| | | |
|---------------------------------|---|--|
| 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 checked="" type="radio"/> No <input type="radio"/> | |

Remarks: Area has been logged. Refer to AR1028 AB 551

SKETCH FORM

| | | |
|--|-----------------------|-------|
| Wetland ID/Route #: AR1028-ab EXT | Date: 9 May 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: <u>BR</u> | <i>see Remarks</i> | Date: <u>7-25-06</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.) | Yes <input checked="" type="radio"/> Yes <input type="radio"/> Yes <input type="radio"/> | No <input type="radio"/> No <input checked="" type="radio"/> No <input type="radio"/> |
| | | Community ID: <u>wetland</u> Transect ID: Plot ID: <u>AR1029-A/B-551</u> |

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 60 Shrub: 25 Herb: 70 Vine:

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------|-----------|-------------|------------------------|---------|-----------|
| 1. <u>Acer idarnum</u> | <u>T</u> | <u>FAC</u> | 9. | | |
| 2. <u>Acer idarnum</u> | <u>SH</u> | <u>FAC</u> | 10. | | |
| 3. <u>Yellow Birch</u> | <u>T</u> | <u>FAC</u> | 11. | | |
| → 4. <u>Moss. Fern (T. simulata)</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-):
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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>6"</u> | |
| Remarks: | |

Date: 7-25-06
 Community ID: Wetland
 Plot ID:

ATZ 1029 A/B - SS1

SOILS

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

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/Contrast | Texture, Concretions, Structure, etc. |
|----------------|-----------------|------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| 0-4 | A | 2.5Y 2.5/1 | 7.5YR 3/2 | 2% | SANDY LOAM |
| 4-13+ | B _{mn} | 2.5Y 6/1 | 10YR 5/6 | >10% | SANDY LOAM |
| | | | | | |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks:
 - extremely stony
 - could not get below 13"

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 crosses logging trail, fill evident in trail profile, clear hydrology, veg (Sphagnum) on either side of road. Hydrology in road as well

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

| | | | | | | | |
|--|--|-----|----|-----|----|-----|----|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SO</u> | Date: <u>7-25-06</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;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table> | Yes | No | Yes | No | Yes | No |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Yes | No | | | | | | |
| Community ID: <u>VPL end</u> Transect ID: Plot ID: <u>AR 1079-113-SS</u> | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>35</u> Herb: <u>15</u> Vine: <u>0</u> | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Acet. rubrum</u> | T | FAC | 9. | | |
| 2. <u>Betula populifolia</u> | T | FAC | 10. | | |
| 3. <u>Populus grandidentata</u> | T | FACW | 11. | | |
| 4. <u>Fraxinus americana</u> | SH | FACU | 12. | | |
| 5. <u>Lycopodium obscurum</u> | H | FACU | 13. | | |
| 6. <u>Podocarpus</u> | H | FACW | 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 type="checkbox"/> Aerial Photographs <input checked="" 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.): <u>None observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 7-25-06
 Community ID:
 Plot ID:

AR 1029 A/B-SS2

SOILS

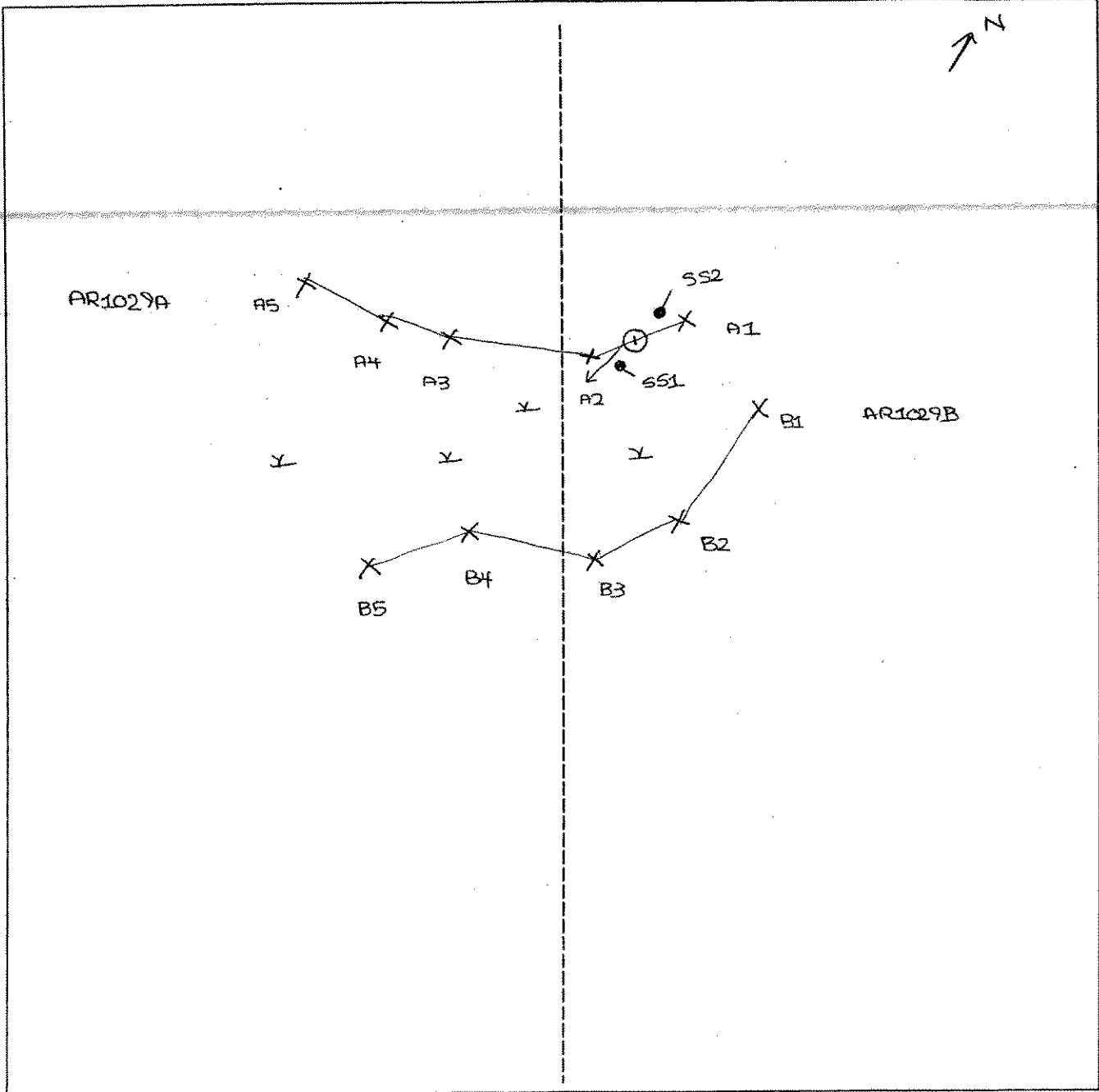
| Map Unit Name (Series and Phase): | | Drainage Class: | | | |
|---|-----------------|---|----------------------------------|--|--|
| Taxonomy (SubGroup): | | Field Observations Confirm Mapped Type? Yes No | | | |
| Profile Description: | | | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
| 0-4 | A | 10YR 7/1 | — | none | Sandy loam |
| 4-7 | B _{ms} | 7.5YR 7/6 | — | none | ↓ |
| 7-15 | B _{ws} | 10YR 5/6 | — | none | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hydro Soil Indicators | | | | | |
| <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors | | <i>none</i> | | <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 <input type="radio"/> |
| Wetlands Hydrology Present? | Yes | <input checked="" type="radio"/> No | |
| Hydric Soils Present? | Yes | <input checked="" type="radio"/> No | |
| Remarks | | | |

SKETCH FORM

| | | |
|----------------------------------|------------------------------|-------|
| Wetland ID/Route #: AR1029 A / B | Date: 7/25/06 | Time: |
| Initials of Delineators: BO | Location: MARBLE RIVER | |
| Roll #: | Frames: PHOTO 1 FACING SOUTH | |



| <u>Legend</u> | |
|---------------|--------------------------|
| | 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: <i>RL</i> | Date: <i>7/25/06</i> County: Clinton State: NY | | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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> <td rowspan="3" style="vertical-align: middle; padding-left: 20px;"><i>see Remarks</i></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 type="radio"/> No</td> </tr> </table> | <input checked="" type="radio"/> Yes | <input type="radio"/> No | <i>see Remarks</i> | <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 | <i>see Remarks</i> | | | | | | |
| <input type="radio"/> Yes | <input checked="" type="radio"/> No | | | | | | | |
| <input type="radio"/> Yes | <input type="radio"/> No | | | | | | | |
| Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 1030 A/B-551</i> | | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>65</i> Herb: <i>35</i> Vine: | | | | | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | |
| 2. <i>Viburnum cassinoides</i> | SH | FACW | 10. | | |
| 3. <i>Populus grandidentata</i> | SH | FACW | 11. | | |
| 4. <i>Corylus intumescens</i> | T | FACW | 12. | | |
| 5. <i>Sphagnum</i> | H | OBL | 13. | | |
| 6. <i>Aster sp.</i> | H | | 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 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 checked="" 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>Surface</i> | |
| Remarks: | |

Date: 7-25-06
 Community ID: wetland
 Plot ID: AR 1030 A/B-557

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 | A | 2.5YR 3/1 | 10YR 3/4 } 2.5YR 5/1 } | 75% | Sandy loam |
| 8-16 | BW | 2.5YR 5/2 | 10YR 5/6 | 75% | ↓ |
| | | | | | |
| | | | | | |

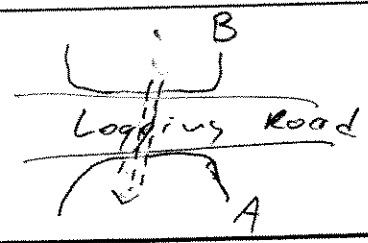
- Hydro Soil Indicators
- Histosol
 - Histic Epipedon
 - Sulfidic Odor
 - Aquic Moisture Regime
 - Reducing Conditions
 - Gleyed or Low-Chroma Colors
 - Concretions
 - High Organic Content, Surface Layer in Sandy Soils
 - Organic Streaking in Sandy Soils
 - Listed on Local Hydric Soils List
 - Listed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

Remarks: EXTREMELY STONY

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
 - Logging road built through wetland, culvert installed
 - Pic → east



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

| | | | | | | | | |
|--|---|--------------------------------------|--------------------------|--------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|
| Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i> | Date: <i>5/25/06</i> County: Clinton State: NY | | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <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> <td rowspan="3" style="vertical-align: middle; padding-left: 20px;"><i>see records</i></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 | <i>see records</i> | <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 | <i>see records</i> | | | | | | |
| <input type="radio"/> Yes | <input checked="" type="radio"/> No | | | | | | | |
| <input type="radio"/> Yes | <input checked="" type="radio"/> No | | | | | | | |
| Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1030-13-552</i> | | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | | |
|---|---------|-----------|------------------------|---------|-----------|--|
| Percent Canopy Cover: | | Tree: | Shrub: | Herb: | Vine: | |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator | |
| 1. <i>Acer rubrum</i> | T | FAC | 9. | | | |
| 2. <i>Lowbush Blueberry</i> | H | FACW | 10. | | | |
| 3. <i>Blackberry</i> | H | FACU | 11. | | | |
| 4. <i>Spiraea</i> | H | FACU | 12. | | | |
| 5. <i>Canada wildflower</i> | H | FAC- | 13. | | | |
| 6. | | | 14. | | | |
| 7. | | | 15. | | | |
| 8. | | | 16. | | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i> | | | | | | |
| Remarks: | | | | | | |

HYDROLOGY

| | |
|---|---|
| <input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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>None</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | |
| Remarks: | |

Date: 7-25-06
 Community ID:
 Plot ID:
 AR 1030 / B-SS7

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-4 | A | 10YR 2/1 | — | None | Sandy / clay |
| 4-6 | E | 10YR 6/2 | — | | |
| 6-7 | BHS | 7.5YR 2.5/3 | — | | |
| 7-13 | BS | 7.5YR 4/6 | — | | |
| | | | | | |
| | | | | | |

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) |

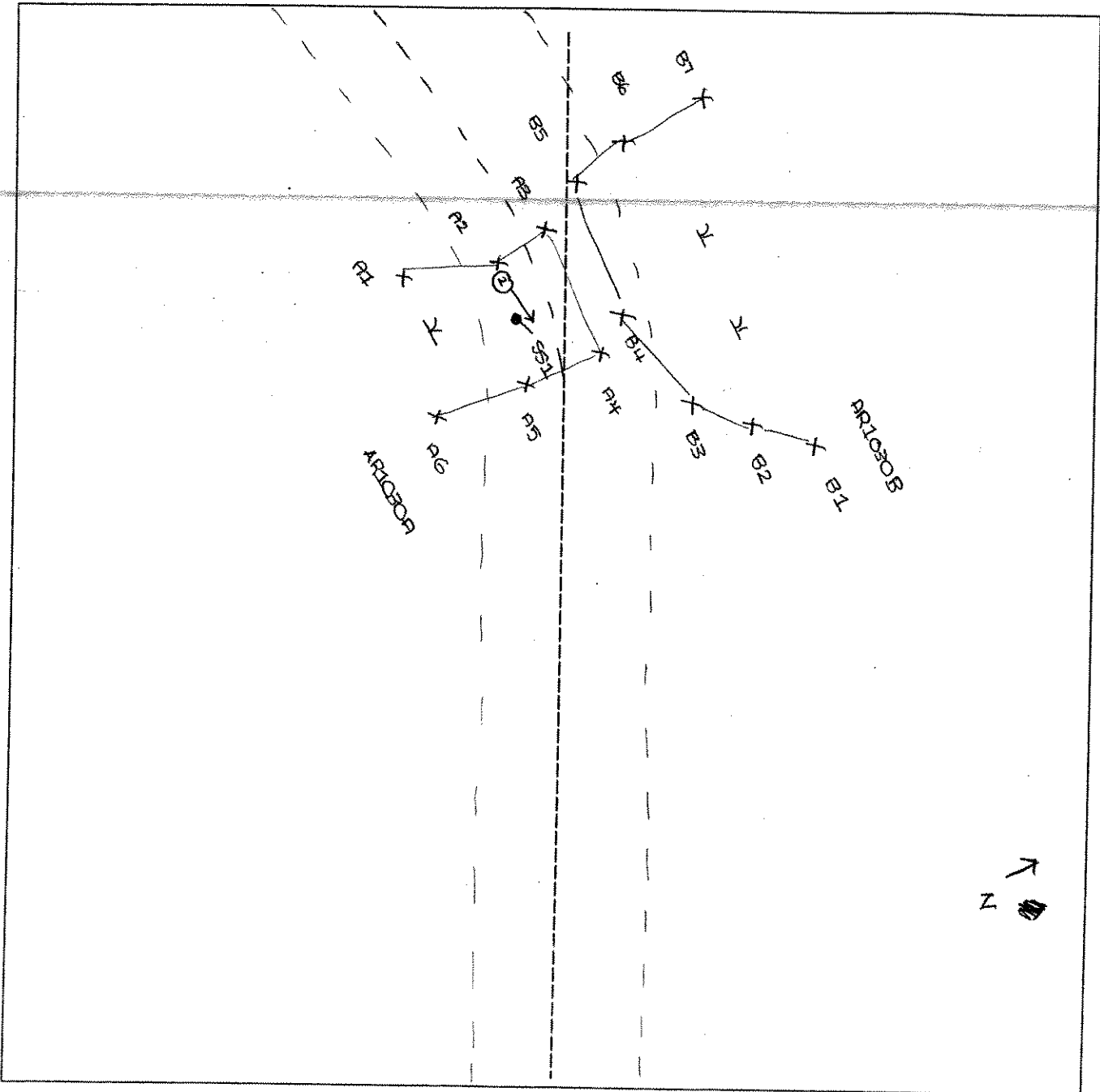
Remarks:

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 | | |

SKETCH FORM

| | | |
|--|----------------------------------|--------------|
| Wetland ID/Route #: AR1030 A/B | Date: 7/25/06 | Time: |
| Intials of Delineators: BQ | Location: HARBIE RIVER | |
| Roll #: Frames: PHOTO2 FACING EAST | | |



| <u>Legend</u> | |
|--------------------------|---------------------|
| 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>BC</u> | Date: <u>7-25-06</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>AR 1031-A-551</u> | | | | | | | |

VEGETATION

| Plant Community Classification: Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>65</u> Herb: <u>40</u> Vine: | | | | | |
|---|---------|-----------|------------------------|---------|-----------|
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <u>Acer rubrum</u> | T | FAC | 9. | | |
| 2. <u>Betula papyrifera</u> | T | FAC | 10. | | |
| 3. <u>Viburnum cassinoides</u> | SH | FACW | 11. | | |
| 4. <u>Hamamelis virginiana</u> | SH | FAC | 12. | | |
| → 5. <u>Cinnamon fern</u> | H | FACW | 13. | | |
| → 6. <u>Sphagnum</u> | H | OBL | 14. | | |
| 7. <u>Shining chlorophyll</u> | H | FACW | 15. | | |
| 8 | | | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>86%</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 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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>2"</u> | |
| Remarks: | |

Date: 7-25-00
 Community ID: Wetland
 Plot ID: 4R1031-A-551

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-5 | Oe | 7.5 YR 3/3 | — | — | peat |
| 5-10 | Oa | 10 YR 2/1 | — | — | sapric |
| | | | | | |
| | | | | | |
| | | | | | |

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:

Peat + organic over rock

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: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RCL</i> | Date: <i>7-25-06</i> County: Clinton State: NY | | | | | | |
| Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.) | <table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table> | Yes | No | Yes | <input checked="" type="radio"/> No | Yes | <input checked="" type="radio"/> No |
| Yes | No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Yes | <input checked="" type="radio"/> No | | | | | | |
| Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1031-A-952</i> | | | | | | | |

VEGETATION

| Plant Community Classification: | | | | | |
|---|---------|-----------------|------------------------|-----------------|----------------|
| Percent Canopy Cover: | | Tree: <i>75</i> | Shrub: <i>60</i> | Herb: <i>20</i> | Vine: <i>0</i> |
| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
| 1. <i>Acer rubrum</i> | T | FAC | 9. <i>wood</i> | | |
| 2. <i>Rhus glabra</i> | T | FAC- | 10. | | |
| 3. <i>Betula papyrifera</i> | T | FAC | 11. | | |
| 4. <i>Acer pensylvanicum</i> | SH | FAC | 12. | | |
| 5. <i>Hamamelis virginiana</i> | SH | FAC- | 13. | | |
| 6. <i>Viburnum cassinoides</i> | SH | FACW | 14. | | |
| 7. <i>Cornus canadensis</i> | H | FAC- | 15. | | |
| 8. <i>Canada mayflower</i> | H | FAC | 16. | | |
| Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>38%</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 checked="" type="checkbox"/> Water Marks <i>None</i> <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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): | Remarks: |

Date: 7-25-06
 Community ID: Upland
 Plot ID: AR 1031-A-552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) | Mottles Abundance/Size/ Contrast | Texture, Concretions, Structure, etc. |
|-------------------|---------|---------------------------------|----------------------------------|--|--|
| 0-4 | A | 10 YR 2/1 | NONE | | SANDY LOAM |
| 4-5 | E | 10 YR 6/2 | NONE | | SANDY LOAM |
| 5-12 | BS | 10 YR 4/4 | NONE | | SANDY LOAM |
| | | | | | |
| | | | | | |

Hydro Soil Indicators

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

Remarks: EXTREMELY STONY cant get soil below 12"

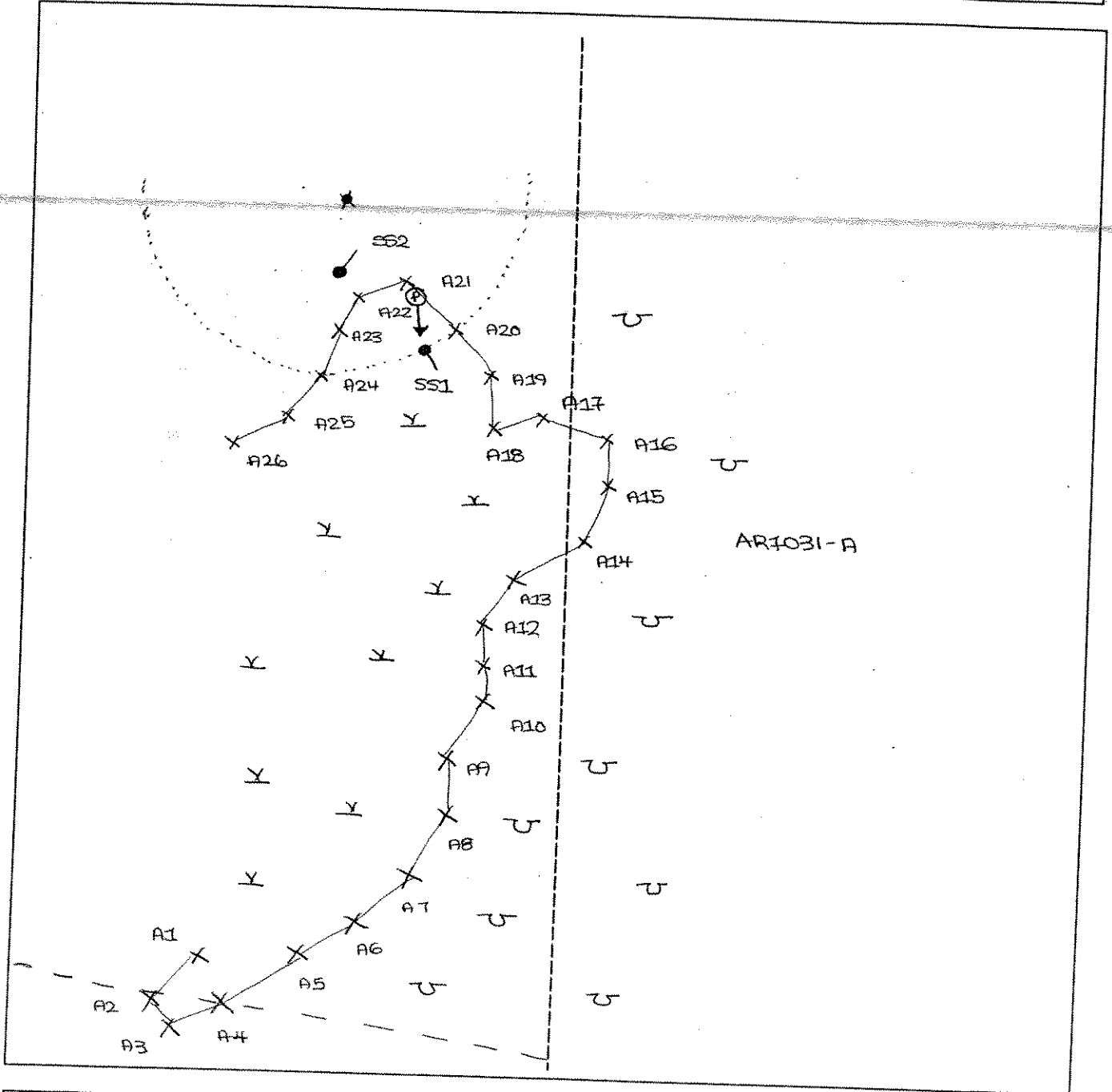
WETLAND DETERMINATION

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

SKETCH FORM

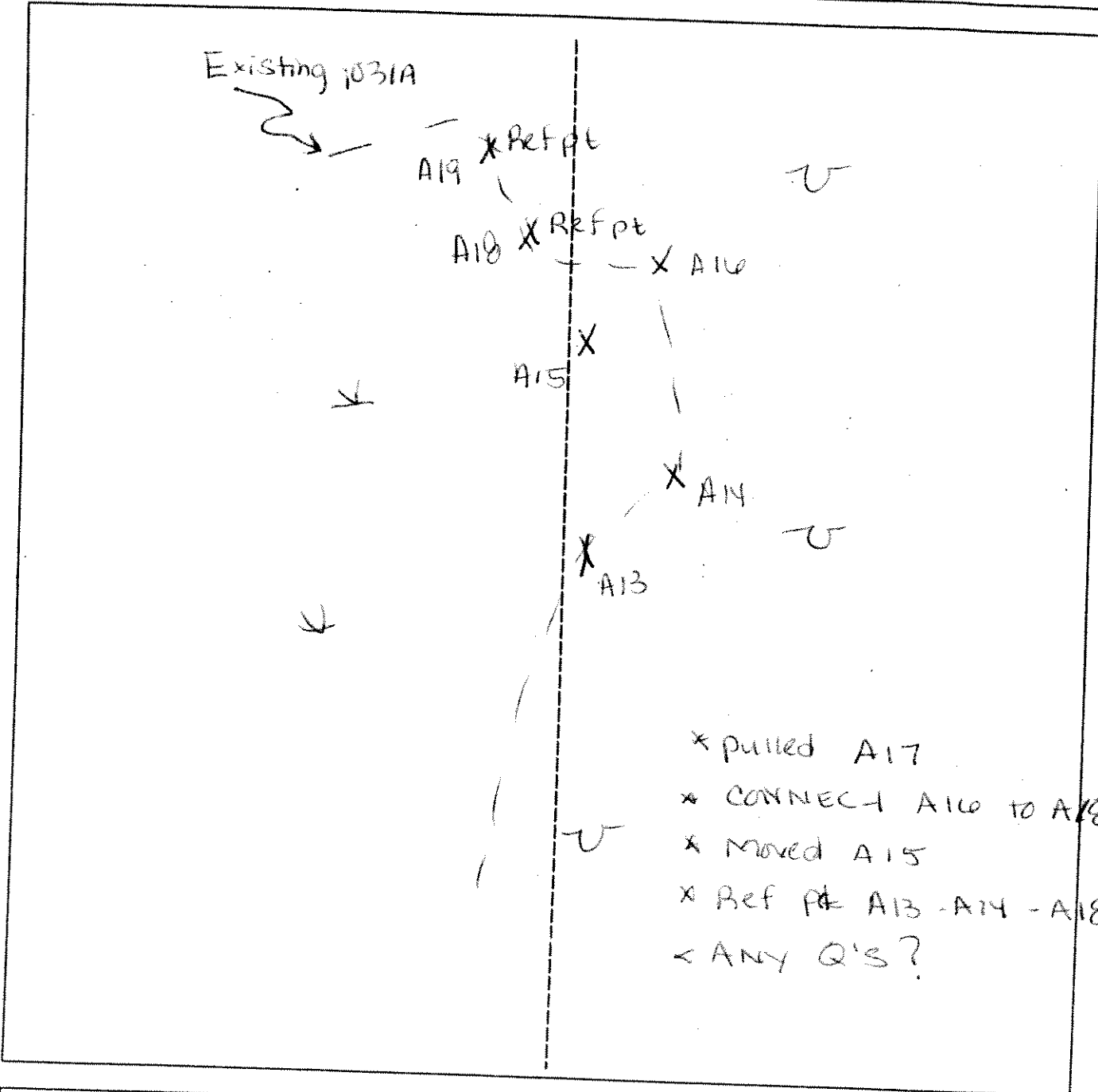
| | | | |
|----------------------------------|---------|------------------------|-------|
| Wetland ID/Route #: AR1031-A | | Date: 7/25/06 | Time: |
| Initials of Delineators: EG / SC | | Location: MARBLE RIVER | |
| Roll #: | Frames: | PHOTO FACING SOUTH | |



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

SKETCH FORM

| | | | |
|----------------------------------|---------|-------------------------------|-------|
| Wetland ID/Route #: AR1031A | | Date: 10/11/06 | Time: |
| Initials of Delinators: IB JV | | Location: AR bit T-38 +139 | |
| Roll #: | Frames: | | |



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