

Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: EAST BRUSH CREEK

Water Body Identification #: 0811

Completed UAA Checklist:

- Pre-Field Preparatory Data Sheet
- Maps with actual survey sites marked
- Data Sheet A
- Data Sheet B – 3 of 3 pages for each site
 - o Number of Sites: 6 + 3 REVISITS
- Data Sheet C (if applicable)
 - o Number of Interviews: N/A
- Photographs
 - o Quantities
 - Upstream 9
 - Downstream 9
 - Other 22

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.

Signed: AC Gallardo Date: 10/16/2006

Printed Name: carolina gallardo Telephone #: 410-356-8993

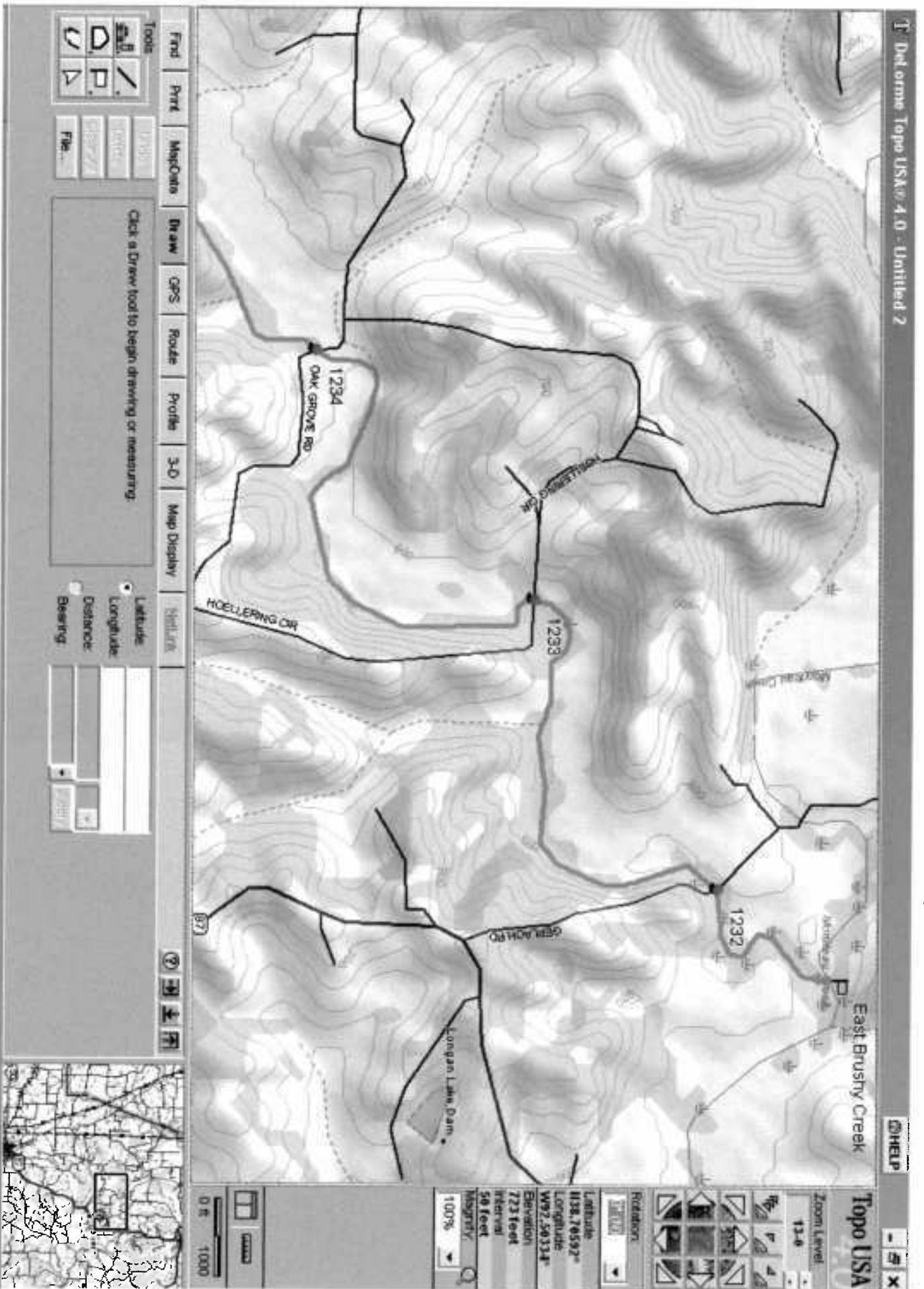
Organization: Tetra Tech, Inc. Position: scientist

East Brushy Creek

WBID:0811

Monteau County

10300102



East Brushy Creek

WBID:0811

Monteau County

10300102

Topo USA 4.0 - Unlited 2

HELP

Topo USA

Zoom Level

13.0

Navigation icons: Home, Previous, Next, Stop, Refresh, Full Screen, Print, Measure, Rotate, etc.

Rockcolor

Rockcolor

Latitude

N38.68665°

Longitude

W92.53716°

Elevation

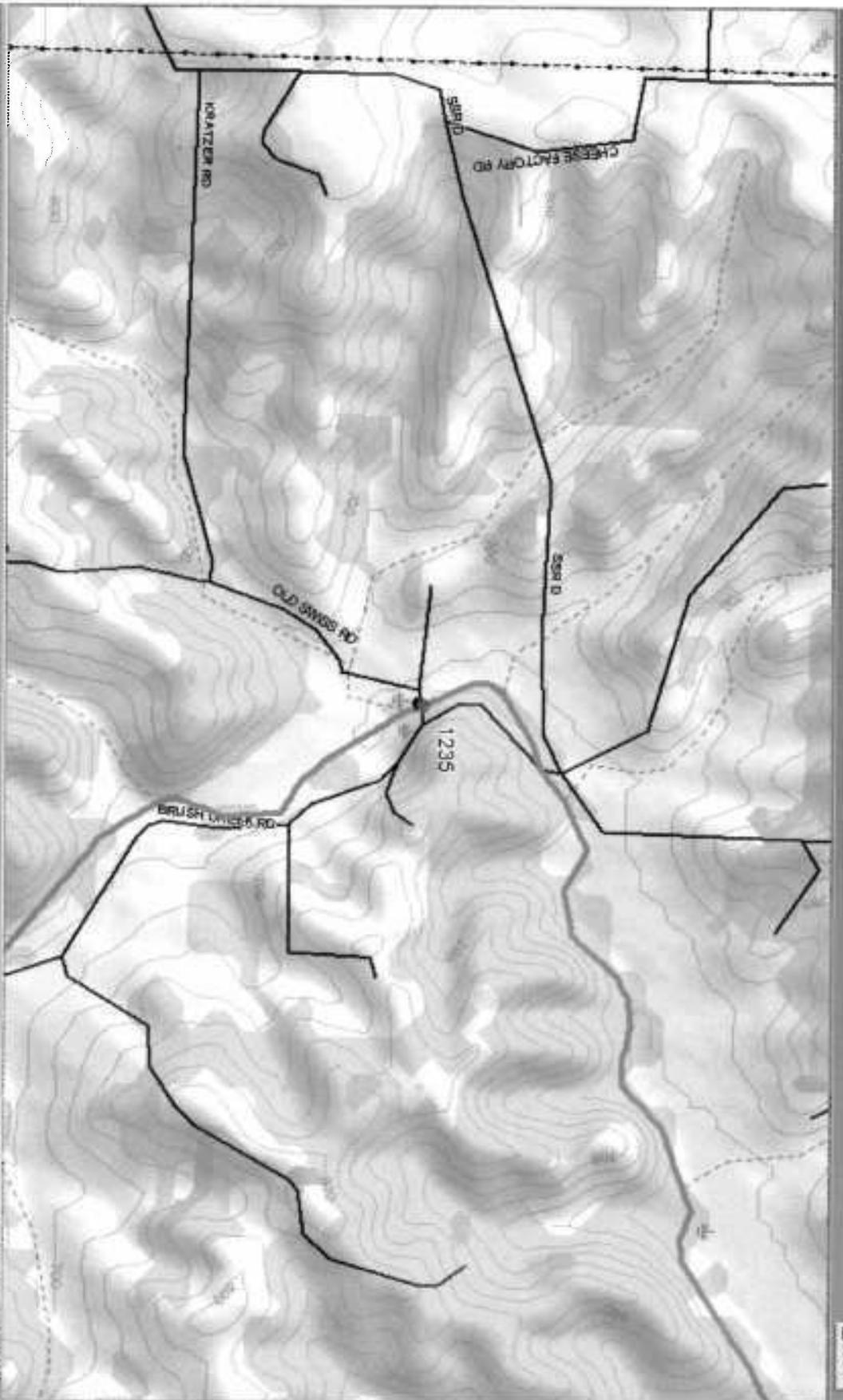
758 Feet

Interval

50 Feet

Magnify

100%



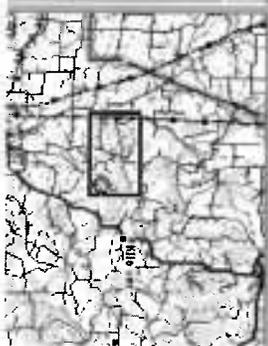
0 ft 1000

Tools: Erase, Copy, Paste, Undo, Redo, Select, Lasso, Polygon, Line, Arrow, Text, etc.

File: Open, Save, Print, MapData, Draw, GPS, Route, Profile, 3-D, Map Display

Click a Draw tool to begin drawing or measuring.

Latitude:
 Longitude:
 Distance:
 Bearing:



East Brushy Creek

WBID:0811

Monteau County

10300102

T: Delorme Topo USA v4.0 - Untitled 2

HELP

Topo USA

Zoom Level

13.0



Position

Latitude

N38.43330°

Longitude

W92.54467°

Elevation

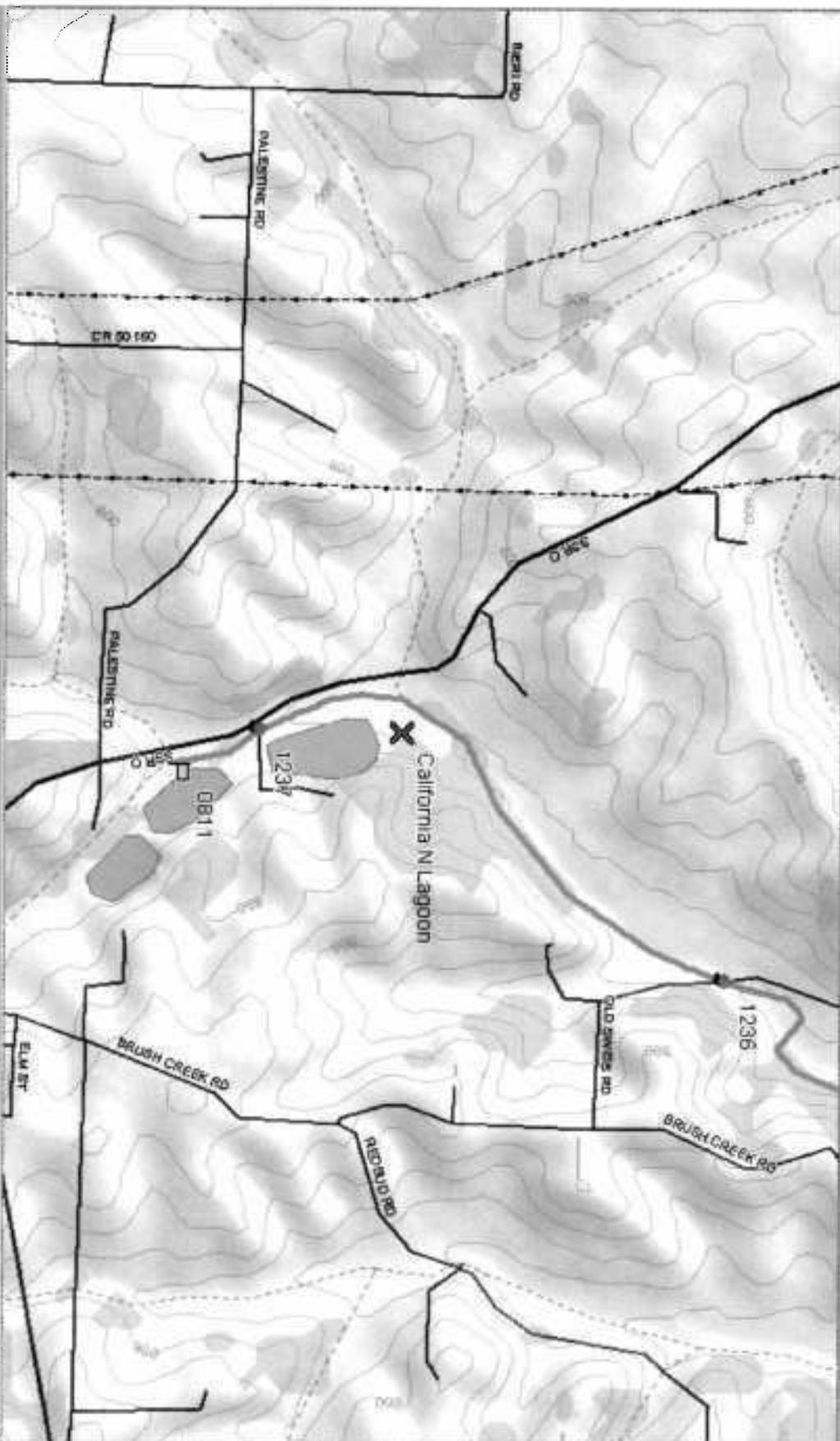
858 feet

Interval

50 feet

Magnify

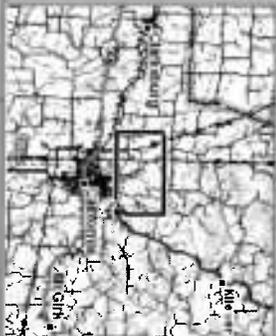
100%



File

Click a Draw tool to begin drawing or measuring

Latitude:
Longitude:
Distance:
Bearing:



WBID # 0811 Site # 1237

Date: 10/10/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3
(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-----------------|-------------------------|
| Latitude (ddd.dddd): <u>38.65029</u> | EPE 4m | Arrival Time: |
| Longitude (ddd.dddd): <u>92.57203</u> | <u>92.57203</u> | <u>1558</u> |
| Photo Ids: Upstream: <u>10/10/06</u> | Downstream: | Other: |
| <u>1016</u> | <u>1017</u> | <u>1018, 1019, 1020</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at unnamed Rd bridge crossing off of Hwy 0.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Fields (1018)</u> | |

Human Uses Observed*:

| | | | | |
|--|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) | | | | |

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads (<u>1020</u>) | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>Trash (1019)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Trash (1019)

QC
CEB 10/10/06

WBID # 0811 Site # 1237

Date: 10/10/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | DRY | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Velocity (ft/sec): | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 11 | 3 | 11 | 0.15 | 0.25 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Velocity (ft/sec): | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|------------|----------|--------|------------|--------------|
| 30 % Cobble | 5 % Gravel | 5 % Sand | % Silt | % Mud/Clay | 60 % Bedrock |
|-------------|------------|----------|--------|------------|--------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/A

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---------------------------------|--|--|---|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input checked="" type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: sheen |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 0811 Site # 1237

Date: 10/10/2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 0811 Site # 1237

Date: 10 / 10 / 2006

NONE
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No *NONE*
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1235

Date: 10/10/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

| | |
|---------------------------------------|---------------|
| Latitude (ddd.dddd): <u>38.69264</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>92.55638</u> | <u>1616</u> |
| Photo Ids: Upstream: | Downstream: |
| <u>1021</u> | <u>1022</u> |
| Other: <u>1023, 1024, 1025, 1026</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at Old Swiss Rd bridge crossing.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Fields (1026)</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads (<u>1024</u>) | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>Trash (1023), dredging (road) (1025)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Trash (1023)

OC
CEL 10/10/06

WBID # 0811 Site # 1235

Date: 10/10/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|---|-----------|--------------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 40 | 8.8 | 40 | 0.35 | 0.45 |
| <input checked="" type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Velocity (ft/sec): | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|---|-----------|--------------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 70 | 5.8 | 70 | 0.4 | 0.55 |
| <input checked="" type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Velocity (ft/sec): | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|---------------------------|-------------|--------|--------|------------|-------------|
| 20 45 % Cobble | 75 % Gravel | % Sand | % Silt | % Mud/Clay | 5 % Bedrock |
|---------------------------|-------------|--------|--------|------------|-------------|

CG 10/10/06

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/A

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|--|--|--|---|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: leaves |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: sheen |

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Date: 10/10/2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1236

Date: 10/10/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3
(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-------------------------|-----------------------------------|
| Latitude (ddd.dddd): <u>38.66388</u> | EPE 8 m | Arrival Time: |
| Longitude (ddd.dddd): <u>92.56286</u> | | <u>1642</u> |
| Photo Ids: Upstream: <u>1028</u> | Downstream: <u>1029</u> | Other: <u>1030</u> <u>1031</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at Old Swiss Rd bridge crossing.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence <u>L1030</u> | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Fields, PASTURES</u> <u>L1031</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

AGRICULTURE - 1031

QC
ceb 10/10/06

WBID # 0311 Site # 1236

Date: 10 / 10 / 2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

*

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | DRY | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Velocity (ft/sec): | | | |

Downstream View Physical Dimensions:

*

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | DRY | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Velocity (ft/sec): | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|-------------|--------|--------|------------|-----------|
| 10 % Cobble | 90 % Gravel | % Sand | % Silt | % Mud/Clay | % Bedrock |
|-------------|-------------|--------|--------|------------|-----------|

DRY

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

Water Characteristics*: (Mark all that apply.)

*

| | | | | | |
|------------------|---------------------------------|---------------------------------|---|--------------------------------|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input type="checkbox"/> Other: |

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WBID # 0811 Site # 1236

Date: 10 / 10 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 0811 Site # 1236

Date: 10/10/2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1234

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-------------------------|---|
| Latitude (ddd.dddd): <u>38.70583</u> | EPE <u>8m</u> | Arrival Time: <u>1145</u> |
| Longitude (ddd.dddd): <u>92.52825</u> | | |
| Photo Ids: Upstream: <u>1109</u> | Downstream: <u>1110</u> | Other: <u>1111 - No TRCP SIGN</u> <u>1112 - AG FIELD</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at oak grove rd bridge crossing

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input checked="" type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - 1112</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

AGRICULTURE - 1112

QC
CEB 10/12/06

WBID # 0811 Site # 1234

Date: 10/12/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 30 | 5.3 | 30 | 0.4 | 0.49 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 5 | 6.5 | 5 | 0.45 | 0.98 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|-------------|-----------|--------|------------|-----------|
| 40 % Cobble | 50 % Gravel | 10 % Sand | % Silt | % Mud/Clay | % Bedrock |
|-------------|-------------|-----------|--------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

~5% attached algae

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|--|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>leaves</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>sheen</u> |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC
ceb 10/12/06

WBID # 0811 Site # 1234

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

none

WBID # 0811 Site # 1234

Date: 10/12/2006

None

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1233

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-------------------------|---|
| Latitude (ddd.dddd): <u>38.71308</u> | <u>EPE 9m</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>92.51530</u> | | <u>1215</u> |
| Photo Ids: Upstream: <u>1113</u> | Downstream: <u>1114</u> | Other: <u>1115 - FIELD AG.</u> <u>1116 - ACCESS ROAD</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

CEB 10/12/06
AT HOELLERING RD. CROSSING.
Cr.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Ag. Fields. - 1115</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads - <u>1116</u> | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

AGRICULTURE - 1115

CEB
10/12/06

WBID # 0811 Site # 1233

Date: 10/12/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 10 | 8.8 | 10 | 0.68 | >1.5 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | 5 | 12.5 | 5 | 1 | >1.5 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|-------------|-----------|-----------|------------|-----------|
| 10 % Cobble | 70 % Gravel | 10 % Sand | 10 % Silt | % Mud/Clay | % Bedrock |
|-------------|-------------|-----------|-----------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/A

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>LEAVES</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

OL
ceb 10/12/06

WBID # 0811 Site # 1233

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 0811 Site # 1233

Date: 10 / 12 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1232

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
 (A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|----------------------------|-----------------------|
| Latitude (ddd.dddd): <u>36.71936</u> | <u>EPE Fm</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>92.50461</u> | | <u>1235</u> |
| Photo Ids: Upstream: <u>1117</u> | Downstream: <u>1118</u> | Other: <u>1119</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at Gerlach Rd. bridge crossing.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Fields - AGRICULTURE</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads (<u>1119</u>) | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

AGRICULTURE

QC
 Ceb 10/12/06

WBID # 0811 Site # 1232

Date: 10/12/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 30 | 8.4 | 30 | .85 | >1.5 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 25 | 4.3 | 25 | 0.20 | 0.24 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | | | | | | |
|----------|----|----------|----|--------|---|--------|---|------------|--|-----------|
| % Cobble | 80 | % Gravel | 10 | % Sand | 5 | % Silt | 5 | % Mud/Clay | | % Bedrock |
|----------|----|----------|----|--------|---|--------|---|------------|--|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/A

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|---|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: leaves |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: sheen |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC
CEB 10/12/06

WBID # 0811 Site # 1232

Date: 10/12/2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 0811 Site # 1232

Date: 10 / 12 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No NONE
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- G More than 5 times per year
- G 1 – 5 times per year
- G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1235-R

Date: 10 / 12 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3
(A separate Data Sheet B must be completed for each site)

| | |
|--|---|
| Latitude (ddd.dddd): <u>38.69256</u> | Arrival Time: <u>1100</u> |
| Longitude (ddd.dddd): <u>092.55637</u> EPE-5M | |
| Photo Ids: Upstream: <u>1099</u> Downstream: <u>1100</u> | Other: <u>1101 - ROAD DRUGGING</u> <u>1102 - ROAD</u> <u>1104 - TRASH</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

AT OLD SWISS ROAD CROSSING.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>TRASH (1104) ROAD DRUGGING (1101)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

TRASH - (1104)

QC *AC Hallardo*
10/12/06

Date: 10/12/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 50 | 1.0 | 50 | 0.39 | 0.45 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 75 | 6.3 | 75 | 0.35 | 0.50 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|-------------|--------|--------|------------|--------------|
| 10 % Cobble | 80 % Gravel | % Sand | % Silt | % Mud/Clay | 10 % Bedrock |
|-------------|-------------|--------|--------|------------|--------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

None

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|--|---|--|---|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: LEAVES |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: OILY SHEEN |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC
 JCY Hollands
 10/12/06

WBID # 0811 Site # 1235-R

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

Date: 10 / 12 / 2006

None

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID # 0811 Site # 1236-A

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3
(A separate Data Sheet B must be completed for each site)

| | |
|--|--|
| Latitude (ddd.dddd): <u>38.66374</u> | Arrival Time: <u>1122</u> |
| Longitude (ddd.dddd): <u>092.56274</u> <u>EP-4m</u> | |
| Photo Ids: Upstream: <u>1105</u> Downstream: <u>1106</u> | Other: <u>1107 - PASTURES</u> <u>1108 - FENCE</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

OLD SWISS ROAD BRIDGE CROSSING

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence <u>L 1108</u> | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>PASTURE - 1107</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

PASTURES - 1107

QC - JC Hallardo
10/12/06

WBID # 0811 Site # 1236-A

Date: 10/12/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: * DRY STAGAMBED

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Velocity (ft/sec): | | | |

Downstream View Physical Dimensions: * - DRY STAGAMBED

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--|--------------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Velocity (ft/sec): | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|--------------------|--------|--------|------------|-----------|
| <u>10</u> % Cobble | <u>90</u> % Gravel | % Sand | % Silt | % Mud/Clay | % Bedrock |
|--------------------|--------------------|--------|--------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/A

Water Characteristics*: (Mark all that apply.) * DRY STAGAMBED

| | | | | | |
|------------------|---------------------------------|---------------------------------|---|--------------------------------|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

OC Ballardo
10/12/06

WBID # 0811 Site # 1236-R

Date: 10 / 17 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

N/A

Date: 10 / 2 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
 If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
 If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
 If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
 Address:
 Telephone #:

WBID # 0811 Site # 1237-R

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-------------------------|--|
| Latitude (ddd.dddd): <u>38.65034</u> | EPE 18 m | Arrival Time: |
| Longitude (ddd.dddd): <u>92.57201</u> | | <u>1037</u> |
| Photo Ids: Upstream: <u>1094</u> | Downstream: <u>1095</u> | Other: <u>1096 - TRASH</u> <u>1097 - PASTURE/FIELD</u> <u>1098 - ROAD ACCESS</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at unnamed Rd bridge crossing off of HWY0

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>Fields - 1097</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

TRASH - 1096

QC
CCB 10/12/06

WBID # 0811 Site # 1237-R

Date: 10/12/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:



| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------------------------|-----------------------------|--------------------|---------------|
| <input type="checkbox"/> Riffle | | DRY | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | | | | | |
| <input type="checkbox"/> Flow Present? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Velocity (ft/sec): | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------------------------|--|--------------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 8 | 3 | 8 | 0.20 | 0.26 |
| <input checked="" type="checkbox"/> Flow Present? | | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Velocity (ft/sec): | |

Substrate*: (These values should add up to 100%.)

| | | | | | | | | | | | |
|----|----------|---|----------|---|--------|---|--------|---|------------|----|-----------|
| 30 | % Cobble | 5 | % Gravel | % | % Sand | % | % Silt | % | % Mud/Clay | 65 | % Bedrock |
|----|----------|---|----------|---|--------|---|--------|---|------------|----|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|--|--|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: SHELV |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

OC
CEB 10/12/06

WBID # 0811 Site # 1237-R

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

none

WBID # 0811 Site # 1237-R

Date: 10 / 12 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? Yes No
If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? Yes No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

- More than 5 times per year
- 1 – 5 times per year
- Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:
Address:
Telephone #:

WBID# 0811



Site# 1237 Photo ID# 1016, Upstream



Site# 1237 Photo ID# 1017, Downstream



Site# 1237 Photo ID# 1018



Site# 1237 Photo ID# 1019

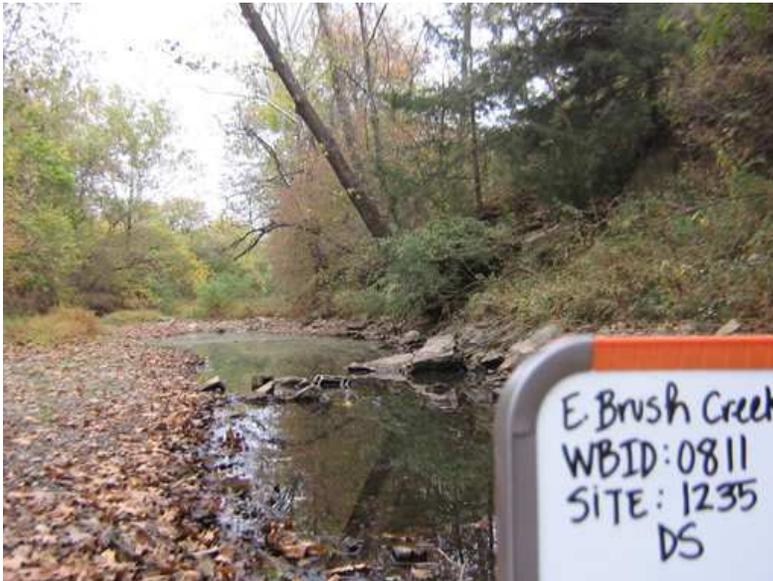
WBID# 0811



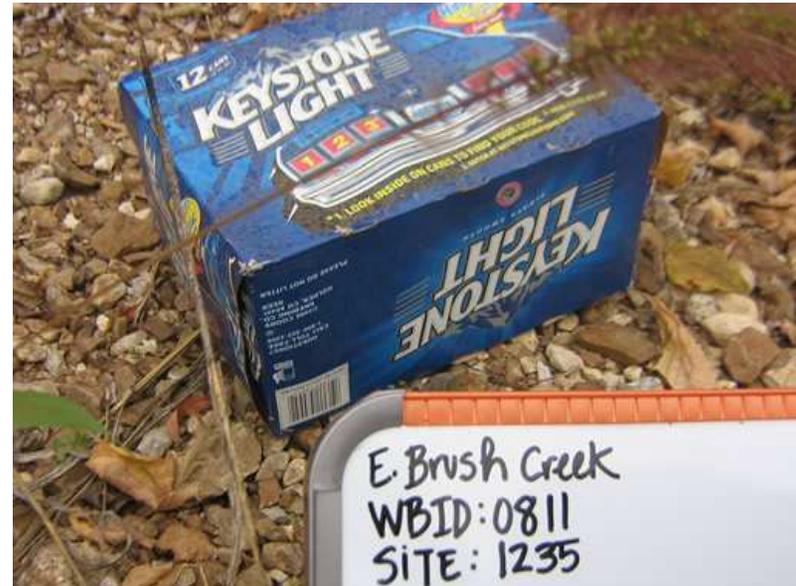
Site# 1237 Photo ID# 1020



Site# 1235 Photo ID# 1021, Upstream



Site# 1235 Photo ID# 1022, Downstream



Site# 1235 Photo ID# 1023

WBID# 0811



Site# 1235 Photo ID# 1024



Site# 1235 Photo ID# 1025



Site# 1235 Photo ID# 1026

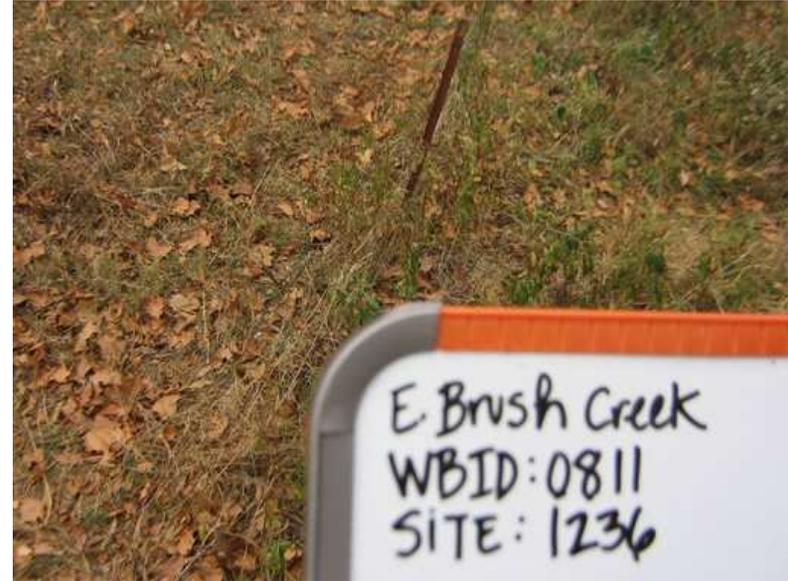


Site# 1236 Photo ID# 1028, Upstream

WBID# 0811



Site# 1236 Photo ID# 1029, Downstream



Site# 1236 Photo ID# 1030



Site# 1236 Photo ID# 1031



Site# 1234 Photo ID# 1109, Upstream

WBID# 0811



Site# 1234 Photo ID# 1110, Downstream



Site# 1234 Photo ID# 1111, No trespass sign



Site# 1234 Photo ID# 1112, Ag field



Site# 1233 Photo ID# 1113, Upstream

WBID# 0811



Site# 1233 Photo ID# 1114, Downstream



Site# 1233 Photo ID# 1115, Field



Site# 1233 Photo ID# 1116, Access road



Site# 1232 Photo ID# 1117, Upstream

WBID# 0811



Site# 1232 Photo ID# 1118, Downstream



Site# 1232 Photo ID# 1119



Site# 1235-R Photo ID# 1099, Upstream



Site# 1235-R Photo ID# 1100, Downstream

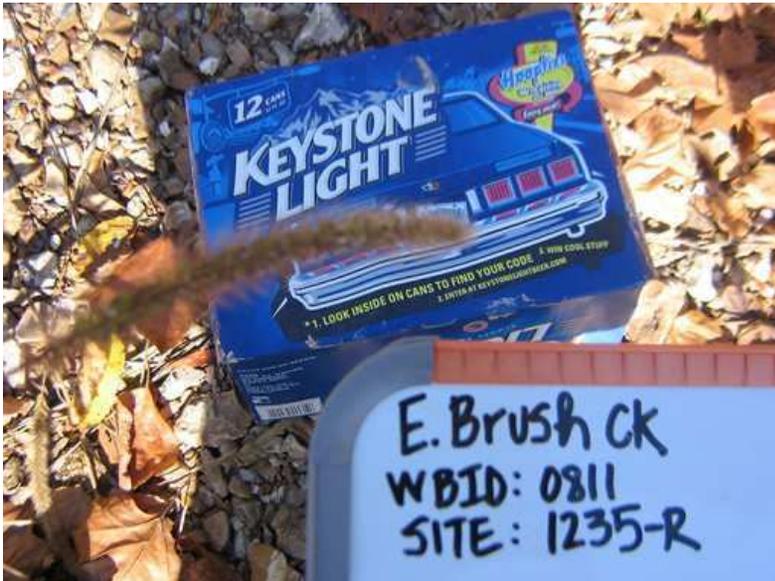
WBID# 0811



Site# 1235-R Photo ID# 1101, Road



Site# 1235-R Photo ID# 1103, Road



Site# 1235-R Photo ID# 1104, Trash



Site# 1236-R Photo ID# 1105, Upstream

WBID# 0811



Site# 1236-R Photo ID# 1106, Downstream



Site# 1236-R Photo ID# 1107, Pastures



Site# 1236-R Photo ID# 1108, Fence



Site# 1237-R Photo ID# 1094, Upstream

WBID# 0811



Site# 1237-R Photo ID# 1095, Downstream



Site# 1237-R Photo ID# 1096, Trash



Site# 1237-R Photo ID# 1097, Field



Site# 1237-R Photo ID# 1098, Road