

## Recreational Use Attainability Analysis

### Cover Sheet

Water Body Name: Double Br

Water Body Identification #: 1298

#### 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: 3
- Data Sheet C (if applicable)
  - o Number of Interviews: 0
- Photographs
  - o Quantities
    - Upstream 3
    - Downstream 3
    - Other 3

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

Signed: John Roberts Date: 07-28-06

Printed Name: John Roberts Telephone #: 410-356-8993

Organization: Tetra tech, Inc Position: Scientist

**Pre-Field Preparatory Data Sheet**  
**for Recreational Use Stream Surveys**

|   |   |
|---|---|
| Water Body Name:<br>(from USGS 7.5' quad) Double Br |   |
| 8-digit HUC: NA                                     | Missouri Water Body Identification (WBID) #: 1298 |
| County: Bates                                       |   |
| Upstream Legal Description:                         |   |
| Downstream Legal Description:                       |   |
| Discharger Facility Name(s):                        |   |
| Discharger Permit Number(s):                        |   |
| Weather Conditions for Past 7 days:<br>Hot Clear    |   |

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # 1298

Date: 07/22/2006

**Field Data Sheets for Recreational Use Stream Surveys**

**Data Sheet A - Water Body Identification**

|  |                           |
|--|---------------------------|
| Water Body Name:                               | Double Br                 |
| WBID #:  | 1298                      |
| Upstream Coordinates:<br>(WGS 84, ddd.ddddd)   | (769) 38.14807, -94.27541 |
| Downstream Coordinates:<br>(WGS 84, ddd.ddddd) | (767) 38.14934, -94.27537 |
| Current Weather Conditions:                    | Hot Clear                 |
| Number of Sites Evaluated:                     | 3                         |
| Name(s) of Surveyor(s):                        | Chad Barbour John Roberts |

Topo USA

Zoom Level

13.4

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

Coordinates

Latitude

N38.14178°

Longitude

W94.27224°

Elevation

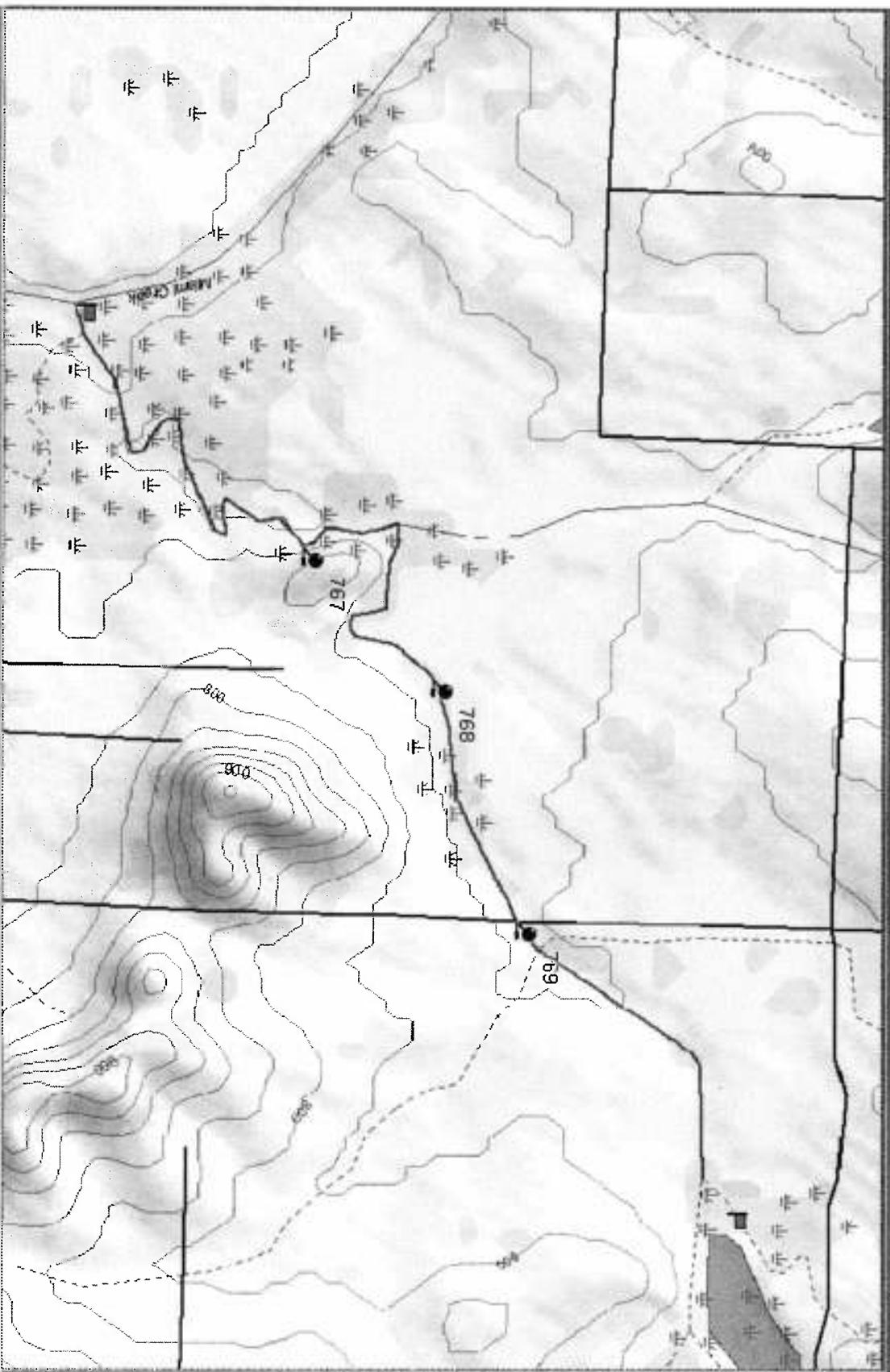
789 feet

Interval

50 Feet

Magically

100%



- Find
- Print
- MapData
- Draw
- GPS
- Route
- Profile
- S.D
- Map Display
- Wellmark

Tools

- Line
- Circle
- Rectangle
- Triangle
- Eraser
- Wipe

Jobs

- Print
- Clear All
- File...

Click a Draw tool to begin drawing or measuring

Latitude:

Longitude:

Distance:

Bearing:

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



0 ft 1000

WBID # 1298 Site # 767

Date: 07 / 20 / 2016

**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>38.14934</u>                        | Arrival Time: |
| Longitude (ddd.dddd): <u>094.27537</u> ACC: <u>17.2 FT.</u> | <u>1030</u>   |
| Photo Ids: Upstream: <u>0797</u> Downstream: <u>0798</u>    | Other:        |

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

150M UPSTREAM OF 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 checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - PHOTO 0795</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 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>NONE</u> |  |  |   |  |

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

AGRICULTURE - PHOTO 0795

QL: 07-20-06  
*[Signature]*

Date: 07/20/2006

**Data Sheet B - Site Characterization – 2 of 3**

**Stream Morphology:**

**Upstream View Physical Dimensions:** 0.25, 0.25, 0.24m

|  | 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 | <u>150</u>  | <u>55</u> | <u>12</u>          | <u>0.25</u>    | <u>0.25</u>   |
| <input type="checkbox"/> Flow Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |           | Velocity (ft/sec): |                |               |

**Downstream View Physical Dimensions:** 0.39, 0.42, 0.42m

|  | 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 | <u>150</u>  | <u>6.2</u> | <u>25</u>          | <u>0.41</u>    | <u>0.42</u>   |
| <input 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 | <u>70</u> | % Gravel | <u>20</u> | % Sand | <u>5</u> | % Silt | <u>5</u> | % Mud/Clay |  | % 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 type="checkbox"/> Clear  | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input checked="" type="checkbox"/> Other: <u>TURB TO DOWN</u> |
| 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 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.

WBID # 1218 Site # 767

Date: 07 / 28 / 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).

SITE RELOCATED TO AREA WITH EASIER ACCESS.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WBID # 1298 Site # 767

Date: 67 / 20 / 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 # 1298 Site # 768

Date: 07 / 20 / 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>39.14771</u>                            | Arrival Time:<br><u>1010</u> |
| Longitude (ddd.dddd): <u>094.27636</u> <u>ACC: 17.8 FT.</u>     |                              |
| Photo Ids: Upstream: <u>0799</u> Downstream: <u>0800</u> Other: |                              |
| <u>0801- CAR DUMP ON STAGANBANK</u>                             |                              |

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

150 m DOWNSTREAM OF 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 checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - PHOTO 0795</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 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>CAR DUMP ON STAGANBANK - PHOTO 0801</u> |  |  |   |  |

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

CAR DUMP - PHOTO 0801  
AGRICULTURE - PHOTO 0795

QL107-2006  
*[Signature]*

WBID # 1298 Site # 763

Date: 07 / 20 / 2006

**Data Sheet B - Site Characterization – 2 of 3**

**Stream Morphology:**

**Upstream View Physical Dimensions:** 0.26, 0.26, 0.29m

|  | 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 | <u>150</u>  | <u>6.2</u> | <u>25</u>          | <u>0.27</u>    | <u>0.29</u>   |
| <input type="checkbox"/> Flow Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |            | Velocity (ft/sec): |                |               |

**Downstream View Physical Dimensions:** 0.9, 0.96, 0.94m

|  | 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 | <u>150</u>  | <u>7.7</u> | <u>8</u>           | <u>0.93</u>    | <u>0.96</u>   |
| <input 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 | <u>60</u> | % Gravel | <u>20</u> | % Sand | <u>10</u> | % Silt | <u>10</u> | % Mud/Clay | % 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 type="checkbox"/> Clear  | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input checked="" type="checkbox"/> Other: <u>Turbid Brown</u> |
| 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 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.

WBID # 1298 Site # 768

Date: 07 / 20 / 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).

SITE RELOCATED TO AREA WITH EASIER ACCESS.

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---

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---

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Date: 07 / 20 / 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 # 1298 Site # 769

Date: 07 / 20 / 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>38.14807</u>                            | Arrival Time: <u>0945</u> |
| Longitude (ddd.dddd): <u>094.27541</u> Acc: <u>190PT</u>        |                           |
| Photo Ids: Upstream: <u>0793</u> Downstream: <u>0794</u> Other: |                           |
| <u>0795 - AGRICULTURE</u> <u>0796 - FOOTPRINTS IN STREAM</u>    |                           |

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

|                            |
|----------------------------|
| <u>AT</u> <u>CROSSING.</u> |
|----------------------------|

**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 checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - PHOTO 0795</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\*:** PHOTO 0796

|   |   |  |   |  |
|---|---|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input checked="" 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.)

|                                 |
|---------------------------------|
| <u>AGRICULTURE - PHOTO 0795</u> |
|---------------------------------|

*QL:07-20-06*  
*Jm J...*

WBID # 1218 Site # 769

Date: 07/20/2016

**Data Sheet B - Site Characterization – 2 of 3**

**Stream Morphology:**

**Upstream View Physical Dimensions:** 0.53, 0.61, 0.59m

|  | 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 | 18  | 5.7       | 18                 | 0.54           | 0.59          |
| <input type="checkbox"/> Flow Present?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |           | Velocity (ft/sec): |                |               |

**Downstream View Physical Dimensions:** 0.45, 0.61, 0.48m

|  | 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   | 5.2       | 8                  | 0.56           | 0.61          |
| <input 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 | 60 | % Gravel | 20 | % Sand | 10 | % Silt | 10 | % Mud/Clay | % 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 type="checkbox"/> Clear  | <input type="checkbox"/> Green  | <input type="checkbox"/> Gray                      | <input type="checkbox"/> Milky           | <input checked="" type="checkbox"/> Other: TURBID BROWN |
| 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 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.

WBID # 1298 Site # 769

Date: 07 / 20 / 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

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Date: 07 / 28 / 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# 1298**



**Site# 767 Photo ID# 0797, Upstream**



**Site# 767 Photo ID# 0798, Downstream**



**Site# 768 Photo ID# 0799, Upstream**



**Site# 768 Photo ID# 0800, Downstream**

**WBID# 1298**



**Site# 768 Photo ID# 0801, Car dump**



**Site# 769 Photo ID# 0793, Upstream**



**Site# 769 Photo ID# 0794, Downstream**



**Site# 769 Photo ID# 0795, Agriculture**

**WBID# 1298**



**Site# 769 Photo ID# 0796, Footprints**