

Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Honey Creek

Water Body Identification #: 1002

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: 12
- Data Sheet C (if applicable)
  - o Number of Interviews: \_\_\_\_\_
- Photographs
  - o Quantities
    - Upstream 12
    - Downstream 12
    - Other 4

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

Signed:  Date: 6/24/06  
Printed Name: Jonathan S. Beers Telephone #: 410-356-8793  
Organization: Tetra Tech Position: Scientist

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

Water Body Name: (from USGS 7.5' quad) Honey Creek	
8-digit HUC: 10300102	Missouri Water Body Identification (WBID) #: 1002
County: Cole	
Upstream Legal Description:	
Downstream Legal Description:	
Discharger Facility Name(s): Horizon Subdivisions	
Discharger Permit Number(s): MO 0088498	
Weather Conditions for Past 7 days:	

**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 # 1002

Date: 06/24/2006

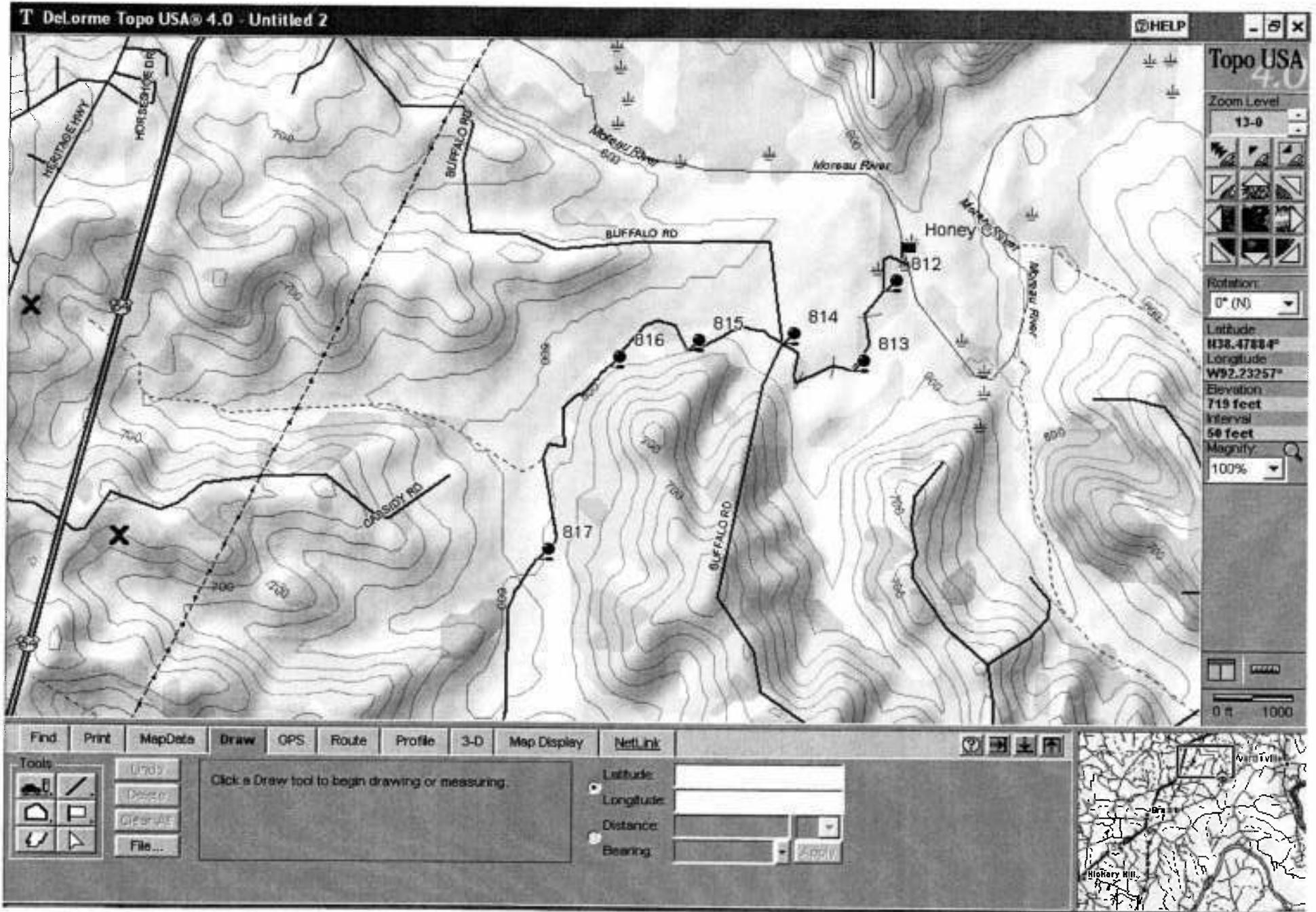
**Field Data Sheets for Recreational Use Stream Surveys**

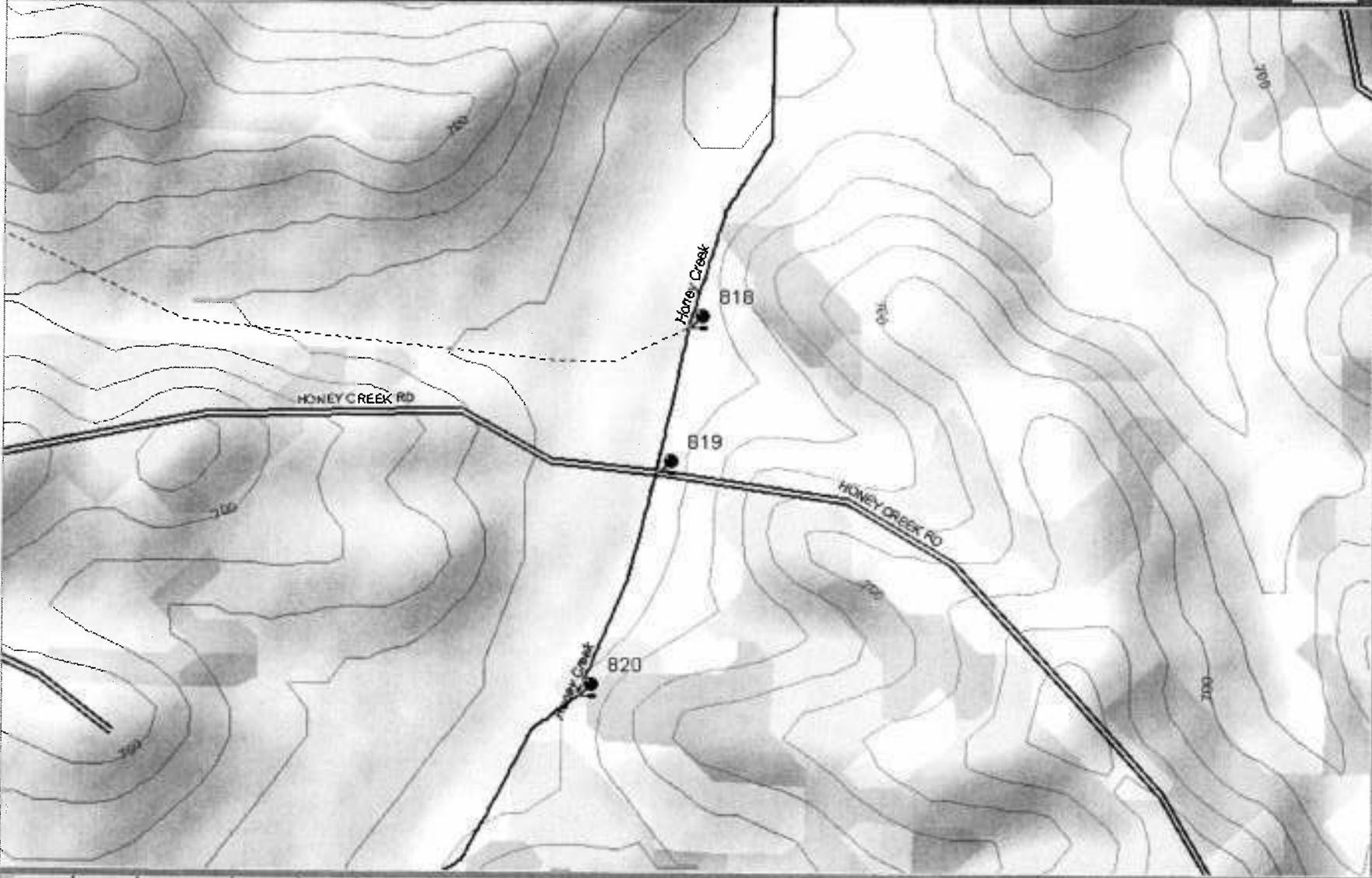
**Data Sheet A - Water Body Identification**

Water Body Name:	Honey Creek
WBID #:	1002
Upstream Coordinates: (WGS 84, ddd.ddddd)	38.49048, -92.23895
Downstream Coordinates: (WGS 84, ddd.ddddd)	38.45269, -92.26970
Current Weather Conditions:	
Number of Sites Evaluated:	12
Name(s) of Surveyor(s):	Jon Bearr , Alex Porteous

HONEY CK

pg 38





### Topo USA 4.0

Zoom Level  
14.0



Rotation:  
0°

Latitude  
N38.47700°

Longitude  
W92.24277°

Elevation  
678 feet

Interval  
20 feet

Magnify  
100%



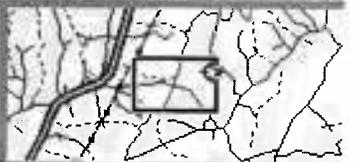
Find Print MapData Draw OPS Route Profile 3-D Map Display NetLink

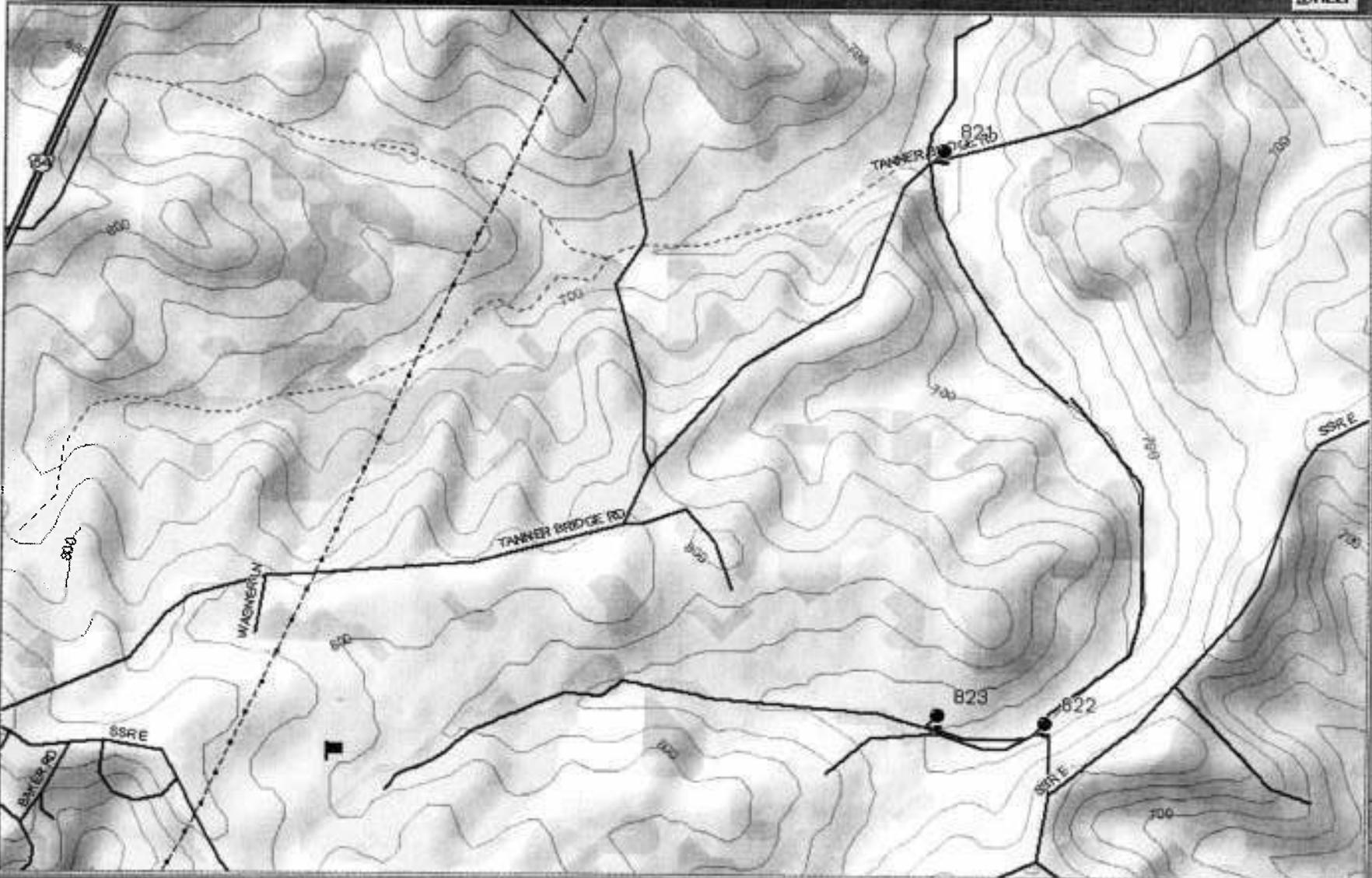


Undo  
Delete  
Copy/Paste

Click a Draw tool to begin drawing or measuring.

Latitude:   
Longitude:   
Distance:





### Topo USA 4.0

Zoom Level  
13-2



Rotation  
NAD 83

Latitude  
N38.44456°  
Longitude  
W92.25763°

Elevation  
723 feet  
Interval  
50 feet  
Magnify

100%



Find Print MapData Draw GPS Route Profile 3-D Map Display NetLink

Tools: Undo, Paste, Clear/Alt

Click a Draw tool to begin drawing or measuring

Latitude:   
Longitude:   
Distance:

WBID # 1002 Site # 812

Date: 06/24/06

**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>N. 38.49048</u>	Arrival Time:
Longitude (ddd.dddd): <u>w 092.23895</u>	<u>13:50</u>
Photo Ids: Upstream: <u>106 - 0747</u>	Downstream: <u>106 - 0746</u>
Other:	

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

50<sup>AP</sup> 20<sup>mb-24-06</sup> downstream from 817-A

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> Other:				

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

WBID # 1007 Site # 813

Date: 06/29/06

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 checked="" type="checkbox"/> Run	280	4.5	20m	0.48	.8
<input type="checkbox"/> Pool					
<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 checked="" type="checkbox"/> Run	295	10.5	20m	0.56	.85
<input type="checkbox"/> Pool					
<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%.)

5% Cobble	80% Gravel	15% Sand	% Silt	% Mud/Clay	% Bedrock
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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 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 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 # 1002 Site # 812

Date: 6/24 / 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).

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WBID # 1002 Site # 812

Date: 6 / 24 / 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  
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 # 1002 Site # 813

Date: 06/24/06

**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>N. 38.48986</u>	Arrival Time:
Longitude (ddd.dddd): <u>W092.29092</u>	<u>13:30</u>
Photo Ids: Upstream: <u>0741</u>	Downstream: <u>0742</u>
Other:	

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

50 <sup>AP 6-24-06</sup> downstream, stream access from 816-A.

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> Other:				

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

WBID # 1002 Site # 813

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	2.00 m	1 m	15 m	0.03	0.05
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1.5 m/s</u>					

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	215 m	5 m	15 m	0.77	1.0
<input type="checkbox"/> Pool					
<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	60 % Gravel	35 % Sand	5 % Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

None observed

**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 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 # 1002 Site # 813

Date: 6 / 24 / 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).

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**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 # 1002 Site # 814

Date: 06/24/06

**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>N. 38.49129</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092.24119</u>	<u>13:00</u>
Photo Ids: Upstream: <u>100 - 0737</u>	Downstream: <u>106 - 0735</u>
Other: <u>Barb wire fence 106 - 0736</u>	

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

First crossing Buffalo Rd.

**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 type="checkbox"/> Other:				

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

*JRB*

WBID # 1002 Site # 814

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	10 m	AP 6/24/06 4	0	0.53	AP 6/24/06 .75
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Velocity (ft/sec): .02 m/s	

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	5 m	4 m	15 m	0.38	.5
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Velocity (ft/sec): .03 m/s	

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

% Cobble	80 % Gravel	15 % Sand	5 % Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

50% 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 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 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 # 1002 Site # 814

Date: 6/24/2006

**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).

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WBID # 1002 Site # 814

Date: 6 / 24 / 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  
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 # 1002 Site # 815-A

Date: 06/24/06

**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>N 38.99137</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092.29067</u>	<u>13:10</u>
Photo Ids: Upstream: <u>106-0739</u>	Downstream: <u>106-0738</u>
Other:	

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

50 m. downstream access from 814.

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> Other:				

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

WBID # 1002 Site # 815-A

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	60 m	1.5	10	0.41	.5
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Velocity (ft/sec): <u>not measurable</u>	

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	100	4.5	10	0.53	.75
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Velocity (ft/sec): <u>not measurable</u>	

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

% Cobble	70 % Gravel	20 % Sand	10 % Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

60% 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 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 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 # 1002 Site # 815-A

Date: 6/24/2006

**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).

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WBID # 1002 Site # 815-A

Date: 6 / 24 / 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  
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 # 1002 Site # 816-A

Date: 06/24/06

**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>N. 38.49080</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092,24048</u>	<u>13:25</u>
Photo Ids: Upstream: <u>106-0741</u>	Downstream: <u>106-0740</u>
Other:	

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

50  
✓ m downstream from 815-A

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> Other:				

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

WBID # 1007 Site # 816-A

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	150 m	6 m	15	1.3	1.5
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Velocity (ft/sec): <u>not measurable</u>	

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	165	6 m	20 m	0.73	.95
<input type="checkbox"/> Pool					
<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%.)

<input checked="" type="checkbox"/> % Cobble	<input checked="" type="checkbox"/> 80% Gravel	<input checked="" type="checkbox"/> 20% Sand	<input type="checkbox"/> % Silt	<input type="checkbox"/> % Mud/Clay	<input type="checkbox"/> % Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

20% 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 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 checked="" 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.

*JRB*

WBID # 1002 Site # 816-A

Date: 6 / 24 / 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).

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Date: 6 / 24 / 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  
 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 # 1002 Site # 817-A

Date: 06/24/06

**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>N. 38.49001</u>	Arrival Time:
Longitude (ddd.dddd): <u>W. 092.23972</u>	<u>13:40</u>
Photo Ids: Upstream: <u>106-0745</u>	Downstream: <u>106-0744-</u>
Other:	

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

50  
30 m downstream from 813

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> Other:				

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

WBID # 1002 Site # 817-A

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	250	4.5	20m	0.07	1.07
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>0.06 m/s</u>					

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	265	4.5	20m	1.05	1.3
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): <u>0.3, 1.2, .65</u>					

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock

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

10% algae
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**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 checked="" 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 # 1002 Site # 817-A

Date: 6 / 24 / 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).

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WBID # 1002 Site # 817-A

Date: 6 / 24 / 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  
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 # 1002 Site # 818

Date: 06/24/06

**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>N 38.47418</u>	Arrival Time: <u>1430</u>
Longitude (ddd.dddd): <u>W 92.25491</u>	
Photo Ids: Upstream: <u>752</u>	Downstream: <u>751</u>
Other:	

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

100m DS of 819

**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</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 type="checkbox"/> Other:				

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

WBID # 1002 Site # 818

Date: 6/24/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

0.2      0.2      0.2

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	100	6	20	0.2	0.2
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                      Velocity (ft/sec):					

Downstream View Physical Dimensions:

0.1      0.1      0.07

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	140	5	20	0.09	0.1
<input type="checkbox"/> Pool					
<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	% Silt	% Mud/Clay	10 % Bedrock
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Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site.)

None Observed

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 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 # 1002 Site # 818

Date: 6 / 24 / 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).

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WBID # 1002 Site # <sup>APG-24-06</sup> 818  
 Date: 6/24/2006

**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  
 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 # 1002 Site # 819

Date: 06/24/06

AP  
0-24-2006

**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>N 38.47312</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092.25506</u>	<u>14:15</u>
Photo Ids: Upstream: <u>106-0749</u>	Downstream: <u>106-0748</u>
Other: <u>106-0753 (water inflow to stream)</u> <u>106-0750 (tracks)</u>	

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

1st crossing Honey Creek Rd. North of Tanner bridge.

**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 type="checkbox"/> Other:	

**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 type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other: <u>trucks</u>
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.)

*JAB*

WBID # 1002 Site # 819

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	70m	6m	20m	0.05	.05
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <del>0.07</del> .07 m/s					

**Downstream View Physical Dimensions:**

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	20	3.5	20	0.23	.3
<input type="checkbox"/> Pool					
<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	60 % Gravel	10 % Sand	% Silt	% Mud/Clay	% Bedrock
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**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 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 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 # 1002 Site # 819

Date: 6 / 24 / 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).

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WBID # 1002 Site # 819

Date: 6 / 24 / 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  
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 # 1002 Site # 820

Date: 06/24/06

**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>N. 36.47194</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092.25481</u>	<u>11:45</u>
Photo Ids: Upstream: <u>106-0755</u>	Downstream: <u>106-0754</u>
Other:	

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

30m upstream from 819. Stream access.

**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>agr.</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 type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other: <u>tractors</u>

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 type="checkbox"/> Other:				

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

WBID # 1002 Site # 820

Date: 06/24/06

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 checked="" type="checkbox"/> Run	75	10 m	30	0.08	1
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No			Velocity (ft/sec): <u>not measurable</u>		

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	50	5 m	20 m	0.15	2
<input type="checkbox"/> Pool					
<input type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Velocity (ft/sec): <u>unmeasurable</u>		

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

<u>5</u> % Cobble	<u>75</u> % Gravel	<u>10</u> % Sand	% Silt	% Mud/Clay	<u>10</u> % Bedrock
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Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site.)

<u>2% algae</u>
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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 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 # 1002 Site # 820

Date: 6 / 24 / 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).

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WBID # 1002 Site # 820

Date: 6 / 24 / 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  
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 # 1002 Site # 871

Date: 06/24/06

**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>N. 38.45462</u>	Arrival Time:
Longitude (ddd.dddd): <u>W 092.27026</u>	<u>13:10</u>
Photo Ids: Upstream: <u>106-0756</u>	Downstream: <u>106-0757</u>
	Other: <u>106-0759 (Fence)</u> <u>106-0758 (Fence)</u>

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

1st crossing Tonner Bridge

**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	<input checked="" 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 type="checkbox"/> Other:				

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

*FB*

WBID # 1002 Site # 821

Date: 06/24/06

**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 checked="" type="checkbox"/> Run	15 m	2 m	20 m	0.13	.2
<input type="checkbox"/> Pool					
<input 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 checked="" type="checkbox"/> Run	20 m	4 m	20 m	0.23	.35
<input type="checkbox"/> Pool					
<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%.)

20 % Cobble	60 % Gravel	% Sand	% Silt	% Mud/Clay	20 % Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

21% algae
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**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 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 # 1002 Site # 821

Date: 6 / 24 / 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).

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WBID # 1002 Site # 821

Date: 6/24/2006

**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  
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 # 1002 Site # 822A

Date: 6/24/2006

**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>N 38.45367</u>	Arrival Time: <u>1345</u>
Longitude (ddd.dddd): <u>W 90.26994</u>	
Photo Ids: Upstream: <u>761</u>	Downstream: <u>762</u>
Other:	

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

100m US of 821 access via stream

**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>Agave</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 type="checkbox"/> Other:				

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

*JAB*

WBID # 1002 Site # 822A

Date: 6/24/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

$\sqrt[3]{0.55}$

Upstream View Physical Dimensions: 0.2, 0.25, 0.1

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input type="checkbox"/> Run		<u>6</u>			
<input checked="" type="checkbox"/> Pool	<u>180m</u>	<u>6</u>	<u>20m</u>	<u>0.17</u>	<u>0.25</u>
<input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec):					

Downstream View Physical Dimensions: 0.07, 0.02, 0.01

	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>120m</u>	<u>1m</u>	<u>20</u>	<u>0.03</u>	<u>0.07</u>
<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>60</u> % Gravel	% Sand	% Silt	% Mud/Clay	<u>30</u> % Bedrock
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Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site.)

50% algal cover

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 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 # 1002 Site # 822-A

Date: 6 / 24 / 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).

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Date: 6/24/2006

**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  
 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 # 1002 Site # 823A

Date: 6/24/2006

**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>N 38.95269</u>	Arrival Time: <u>1357</u>
Longitude (ddd.dddd): <u>W 92.26970</u>	
Photo Ids: Upstream: <u>763</u>	Downstream: <u>762</u>
Other:	

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

100m US # 822A

**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</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 type="checkbox"/> Other:				

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

*JAB*

WBID # 1002 Site # 823A

Date: 6/24/2006

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

**Stream Morphology:**

**Upstream View Physical Dimensions:**

*0.2, 0.1, 0.1*

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input type="checkbox"/> Run	<i>280</i>	<i>4.5</i>	<i>20</i>	<i>0.13</i>	<i>0.20</i>
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec):					

**Downstream View Physical Dimensions:**

*0.02, 0.01, 0.02*

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
<input type="checkbox"/> Riffle					
<input checked="" type="checkbox"/> Run	<i>240</i>	<i>2</i>	<i>20</i>	<i>0.02</i>	<i>0.02</i>
<input type="checkbox"/> Pool					
<input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <i>NA measurable</i>					

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

<i>5</i> % Cobble	<i>15</i> % Gravel	% Sand	% Silt	% Mud/Clay	<i>80</i> % Bedrock
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**Aquatic Vegetation\*:** (Note amount of vegetation or algal growth at the assessment site.)

*5% algal coverage*

**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 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 # 1002 Site # 823-A

Date: 6/24/2006

**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).

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WBID # 1002 Site # 823-A

Date: 6/24/2006

**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  
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# 1002**



**Site# 812 Photo ID# 106-0747, Upstream**



**Site# 812 Photo ID# 106-0746, Downstream**



**Site# 813 Photo ID# 106-0741, Upstream**



**Site# 813 Photo ID# 106-0742, Downstream**

**WBID# 1002**



**Site# 814 Photo ID# 106-0737, Downstream**



**Site# 814 Photo ID# 106-0735, Upstream**



**Site# 814 Photo ID# 0736, Fence**



**Site# 815-A Photo ID# 106-0739, Upstream**

**WBID# 1002**



**Site# 815-A Photo ID# 106-0738, Downstream**



**Site# 816-A Photo ID# 106-0741, Upstream**



**Site# 816-A Photo ID# 106-0740, Downstream**



**Site# 817-A Photo ID# 106-0745, Upstream**

**WBID# 1002**



**Site# 817-A Photo ID# 106-0744, Downstream**



**Site# 818 Photo ID# 752, Upstream**



**Site# 818 Photo ID# 751, Downstream**



**Site# 819 Photo ID# 106-0749, Upstream**

**WBID# 1002**



**Site# 819 Photo ID# 106-0748, Downstream**



**Site# 819 Photo ID# 106-0753, Tributary**



**Site# 819 Photo ID# 106-0750, Tracks**



**Site# 820 Photo ID# 106-0755, Upstream**

**WBID# 1002**



**Site# 819 Photo ID# 106-0754, Downstream**



**Site# 821 Photo ID# 106-0756, Upstream**



**Site# 821 Photo ID# 106-0757, Downstream**



**Site# 821 Photo ID# 106-0759, Fence**

**WBID# 1002**



**Site# 821 Photo ID# 106-0758, Fence**



**Site# 822-A Photo ID# 761, Upstream**



**Site# 822-A Photo ID# 762, Downstream**



**Site# 823-A Photo ID# 763, Upstream**

**WBID# 1002**



**Site# 823-A Photo ID# 762, Downstream**