

Missouri  
Department of  
Natural Resources

Use Attainability Analysis

for

WBID 1298 Double Branch

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

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

RECEIVED

**Data Sheet A - Water Body Identification**

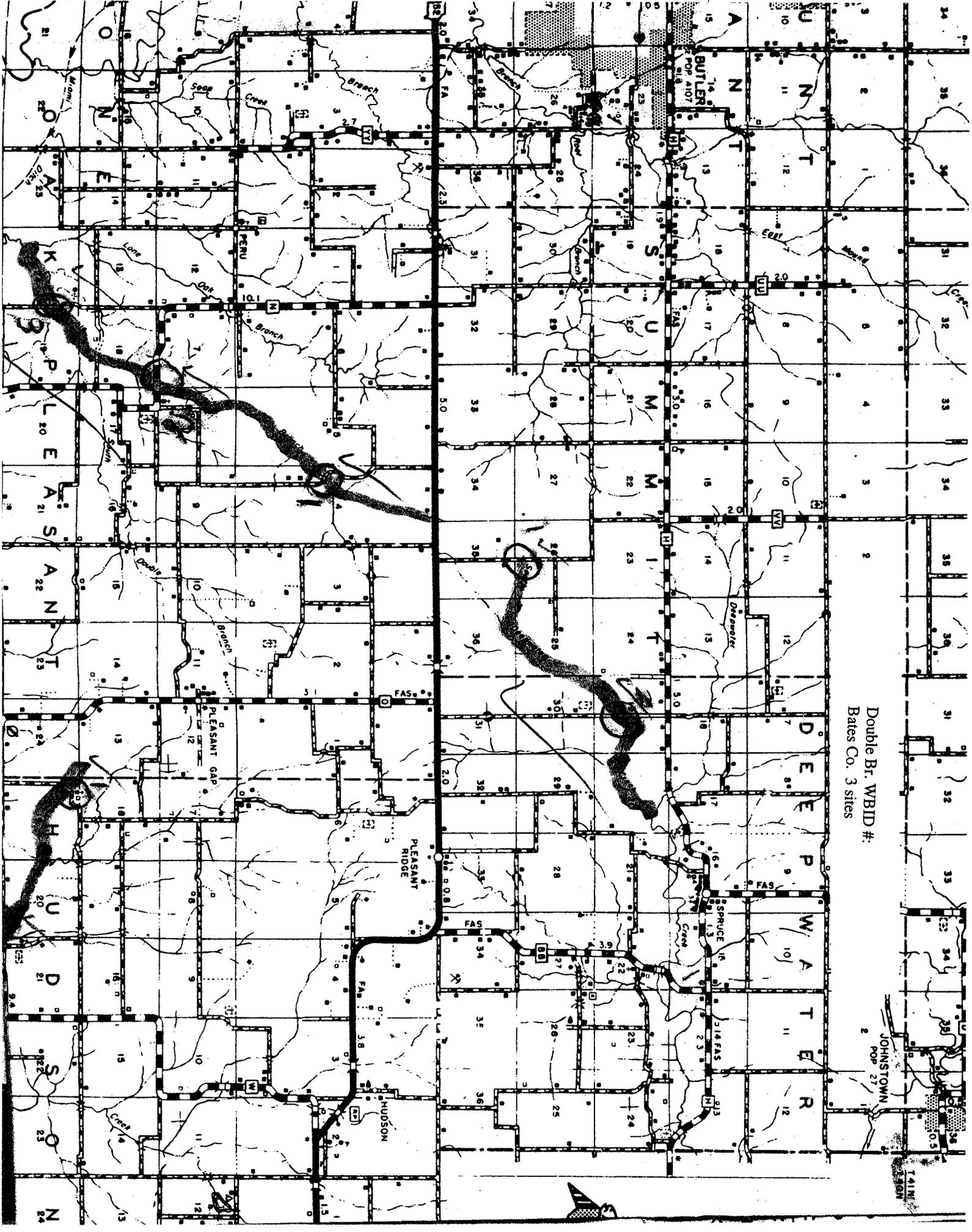
2005 JUL -7 PM 12: 32

WATER PROTECTION PROGRAM

Water Body Name (from USGS 7.5' quad):	Double Branch
8-digit HUC:	10290102
Missouri WBID #:	1298
County:	BATES
Upstream Legal Description:	S 4 T 39N R 30W, 6150ft N and 800ft E of the
Downstream Legal Description:	S 19 T 39N R 30W, 1750 ft. S and 275 ft E of the SW corner.
Upstream Coordinates:	38.19905 N 94.23274 W NW corner.
Downstream Coordinates:	38.14801 N 94.27539 W
Discharger Facility Name(s):	—
Discharger Permit Number(s):	—
Number of Sites Evaluated:	(3)
Name of Surveyor and Telephone Number:	Craig Chatfield ; Aaron Woods 688-7095
Organization:	MODNR SWCP
Position:	Soil Scientist

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

Signed: Craig Chatfield ; Aaron Woods Date: 6/20/05



Double Br. WBID #:  
Bates Co. 3 sites

JOHNSTOWN  
Pop 27

1/4 MILE

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

**Data Sheet B - Site Characterization**

(A separate data sheet must be completed for each site)

Missouri WBID #: <u>1298-01</u>	Site Location Description:	
Site GPS Coordinates: <u>38.19905N 94.23274W</u>	<u>Double BR</u>	
Date & Time: <u>6/20/05 @ 10:40 AM</u>	Facility Name: <u>—</u>	
Personnel: <u>Craig Chatfield + Aaron Woods</u>	Permit Number: <u>—</u>	
Current Weather Conditions: <u>SUNNY</u>	Weather Conditions for Past 7 days: <u>Sunny</u>	
Photo Ids: Upstream: <u>WB01298-01</u>	Downstream: <u>WBD1298-01</u>	Other: <u>—</u>

**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.)

—

**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>NONE</u>	

**Evidence of Human Use\*:**

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>NONE</u>				

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

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

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

**Data Sheet B - Site Characterization**

Page Two - WBID # 1298 :

**Stream Morphology:**

**Upstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>25'</u>	Length (ft): <u>25'</u>	Avg. Depth (ft): <u>15"</u>	Max. Depth (ft): <u>19"</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec):	

**Downstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>25'</u>	Length (ft): <u>25'</u>	Avg. Depth (ft): <u>18"</u>	Max. Depth (ft): <u>28"</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec):	

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

% Cobble	<u>75</u> % Gravel	% Sand	<u>25</u> % Silt	% Mud/Clay	% Bedrock
----------	--------------------	--------	------------------	------------	-----------

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

None

**Water Characteristics\*:** (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input 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:

**Comments:** Please attach additional comments (including information from interviews) to this form.

\*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 effect another use.

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

Signed: Cy Y. Chy-D & Ann Wacke Date: 6/20/05

Organization: MO ORR SWCP Position: Soil Scientists

1298\_01\_US



1298\_01\_DS



## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <u>1298-02</u>	Site Location Description: <u>Double BR</u>
Site GPS Coordinates: <u>38.16743N 94.25517N</u>	
Date & Time: <u>6/20/05 @ 11:05 AM</u>	Facility Name: <u>—</u>
Personnel: <u>Craig Chatfield; Aaron Woods</u>	Permit Number: <u>—</u>
Current Weather Conditions: <u>Sunny</u>	Weather Conditions for Past 7 days: <u>Sunny</u>
Photo Ids: Upstream: <u>WB01298-02</u> Downstream: <u>WB01298-02</u> Other: <u>—</u>	

#### 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.)  <u>—</u>				

#### Surrounding Conditions\*:

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

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

#### Evidence of Human Use\*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>Asphalt</u> <u>WB01298-02</u>				

#### Site Locations Map(s):

Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs) Attached

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

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

**Data Sheet B - Site Characterization**

Page Two - WBID # 1298 :

**Stream Morphology:**

**Upstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>10'</u>	Length (ft): <u>10'</u>	Avg. Depth (ft): <u>8"</u>	Max. Depth (ft): <u>13"</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec):	

**Downstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>10'</u>	Length (ft): <u>10'</u>	Avg. Depth (ft): <u>7"</u>	Max. Depth (ft): <u>12"</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec):	

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

<u>30</u> % Cobble	<u>30</u> % Gravel	% Sand	<u>40</u> % Silt	% Mud/Clay	% Bedrock
--------------------	--------------------	--------	------------------	------------	-----------

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

NONE

**Water Characteristics\*:** (Mark all that apply.)

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

**Comments:** Please attach additional comments (including information from interviews) to this form.

\*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 effect another use.

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

Signed: Cj T Chitid - Ann Woods Date: 6/20/05

Organization: MOONR SWCP Position: Soil Scientists

1298\_02\_US



1298\_02\_DS



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

**Data Sheet B - Site Characterization**

(A separate data sheet must be completed for each site)

Missouri WBID #: 1298 - 03	Site Location Description: Double Br.	
Site GPS Coordinates: 38.14801N 94.27539W		
Date & Time: 6/20/05 @ 11:32 AM	Facility Name: —	
Personnel: Craig Chatfield & Aaron Woods	Permit Number: —	
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: Sunny	
Photo Ids: Upstream: WBD1298-03	Downstream: WBD1298-03	Other:

**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.)

—

**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:	

**Evidence of Human Use\*:**

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: NONE				

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

*Attached*

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

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

**Data Sheet B - Site Characterization**

Page Two – WBID # 698 :

**Stream Morphology:**

**Upstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>20'</u>	Length (ft): <u>20'</u>	Avg. Depth (ft): <u>12"</u>	Max. Depth (ft): <u>17"</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec):	

**Downstream View Physical Dimensions:**

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>25'</u>	Length (ft): <u>25'</u>	Avg. Depth (ft): <u>17"</u>	Max. Depth (ft): <u>25"</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec):	

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

% Cobble	<u>50</u>	% Gravel		% Sand	<u>50</u>	% Silt		% Mud/Clay		% Bedrock
----------	-----------	----------	--	--------	-----------	--------	--	------------	--	-----------

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

NONE

**Water Characteristics\*:** (Mark all that apply.)

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

**Comments:** Please attach additional comments (including information from interviews) to this form.

\*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 effect another use.

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

Signed: Cj Y. Chy-d : Anne Wicks Date: 6/20/05  
 Organization: MOOR SWCP Position: Soil Scientists

1298\_03\_US



1298\_03\_DS

