

Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 0920 N. Fk. Blackwater River

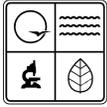
Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

Date Received: July 18, 2005



Missouri **Field Data Sheets for Recreational Use Stream Surveys**
Department of
Natural Resources **Data Sheet A - Water Body Identification**

SECTION PROGRAM

Water Body Name (from USGS 7.5' quad):	N. Fork of BLACKWATER
8-digit HUC:	10300104
Missouri WBID #:	920
County:	Johnson
Upstream Legal Description:	Sec 12 T47N R28W
Downstream Legal Description:	Sec 12 T46N R27W
Upstream Coordinates:	416582 4305532
Downstream Coordinates:	426548 4295575
Discharger Facility Name(s):	
Discharger Permit Name(s):	
Number of Sites Evaluated:	6
Name of Surveyor and Telephone Number:	Greg Caldwell (573)-884-3494 LeAnn Paulina
Organization:	DNR
Position:	Soil Scientist III

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

Signed: LeAnn Paulina Date: 6/14/05

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: <u>920-1</u>	Site Location Description:	
Site GPS Coordinates: <u>416592 9305532</u>	<u>BRIDGE STATE RD. 131</u>	
Date & Time: <u>6/14/05 1:45 pm</u>	Facility Name:	
Personnel: <u>G.C. L.B.</u>	Permit Number:	
Current Weather Conditions: <u>Sunny</u>	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream <u>920U 1</u>	Downstream: <u>920D 1</u>	Other:
<u>31</u>	<u>32</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, 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>NO GATE</u>	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/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"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>NO TRACE</u>				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

#1

Stream Morphology:

Upstream 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>15'</u>	Length (ft.): <u>100'</u>	Avg. Depth (ft.): <u>1.0</u>	Max Depth (ft.): <u>1.5'</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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>20'</u>	Length (ft.): <u>150'</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1.0</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>1</u> % Cobble	<u>9</u> % Gravel	% Sand	% Silt	<u>90</u> % Mud/Clay	% Bedrock
-------------------	-------------------	--------	--------	----------------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at 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 <i>murky</i>
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 type="checkbox"/> None	<input checked="" 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: *John Bullard* Date: *10/14/05*

WBID 0920-Downstream #1



WBID 0920-Upstream #1



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 920-2	Site Location Description:	
21' Site GPS Coordinates: 41 9505 430342	BRIDGE Co. Rd. 1001	
Date & Time: 6/14/05 1:30 pm	Facility Name:	
Personnel: G.C., L.B.	Permit Number:	
Current Weather Conditions: Sunny	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 92017	Downstream: 920012	Other: 920027 - ATV PATH
28	29	30

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, 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 checked="" 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 pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input checked="" type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

#2

Stream Morphology:

Upstream 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>15'</u>	Length (ft.): <u>400+</u>	Avg. Depth (ft.): <u>1.0</u>	Max Depth (ft.): <u>1.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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>15-20'</u>	Length (ft.): <u>200+</u>	Avg. Depth (ft.): <u>1.0</u>	Max Depth (ft.): <u>1.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>5</u> % Cobble	<u>5</u> % Gravel	% Sand	% Silt	<u>90</u> % Mud/Clay	% Bedrock
-------------------	-------------------	--------	--------	----------------------	-----------

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

N/A

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input 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: [Signature] Date: 6/14/05

WBID 0920-Downstream #2



WBID 0920-Upstream #2



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 920-3	Site Location Description:	
Site GPS Coordinates: 421453 4301021	BRIDGE Co. Rd 600	
Date & Time: 6/14/05	Facility Name:	
Personnel: G.C. LB	Permit Number:	
Current Weather Conditions: Sunny + warm	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 920113 23	Downstream: 920013 28	Other: 92013 - Graffiti 27

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, 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 pats/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"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: GRAFFITI				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

Stream Morphology: #3

Upstream 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>300+</u>	Avg. Depth (ft.): <u>1.5</u>	Max Depth (ft.): <u>2.0</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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>20</u>	Length (ft.): <u>100+</u>	Avg. Depth (ft.): <u>1.0</u>	Max Depth (ft.): <u>1.5</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>10</u> % Cobble	<u>20</u> % Gravel	% Sand	% Silt	<u>70</u> % Mud/Clay	% Bedrock
--------------------	--------------------	--------	--------	----------------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at 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: [Signature] Date: 6/14/05

WBID 0920-Downstream #3



WBID 0920-Upstream #3



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 920-4	Site Location Description: Bridge State Rel. M	
Site GPS Coordinates: 421866 4299747		
Date & Time: 6/14/05 1:15 pm	Facility Name:	
Personnel: G.C. LB	Permit Number:	
Current Weather Conditions: Sunny	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 920U 4 23	Downstream: 920D 4 24	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, 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 pats/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"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: N/A				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

Stream Morphology:

Upstream 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>15'</u>	Length (ft.): <u>300+</u>	Avg. Depth (ft.): <u>1.5</u>	Max Depth (ft.): <u>2.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>Slow</u>			

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>20'</u>	Length (ft.): <u>150+</u>	Avg. Depth (ft.): <u>1.5</u>	Max Depth (ft.): <u>2.0</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>5</u> % Cobble	<u>5</u> % Gravel	% Sand	% Silt	<u>90</u> % Mud/Clay	% Bedrock
-------------------	-------------------	--------	--------	----------------------	-----------

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

<u>NONE</u>

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>muddy</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 checked="" type="checkbox"/> Foam	<input type="checkbox"/> None	<input type="checkbox"/> Other

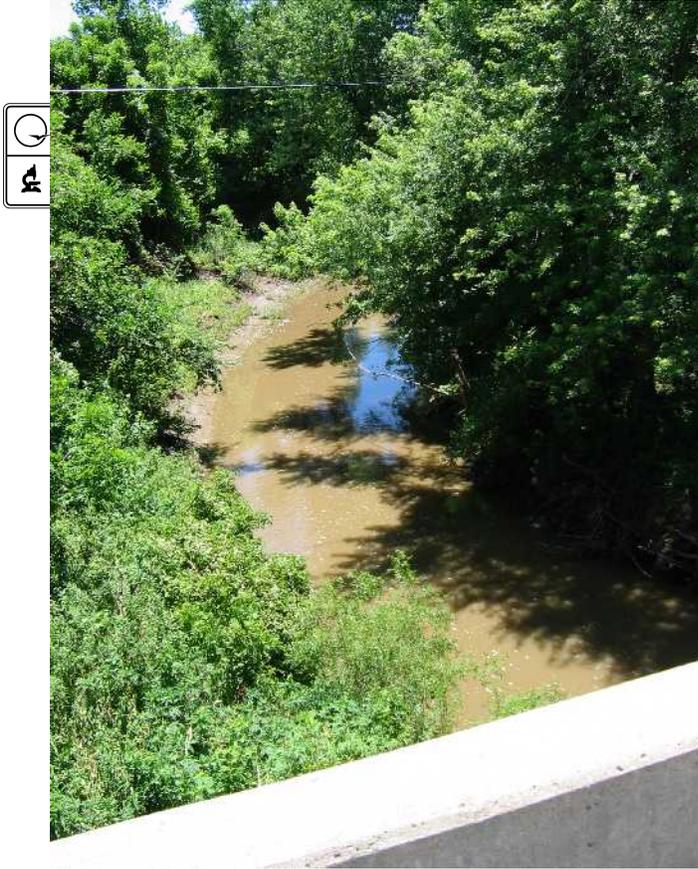
Comments: Please attach additional comments (including information from interviews) to this form.

*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: Alex B. Mavel Date: 6/14/05

WBID 0920-Downstream #4



WBID 0920-Upstream #4



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 920-5	Site Location Description:	
Site GPS Coordinates: 424124 4297661	BEFORE Co. Rd 701	
Date & Time: 6/14/05	Facility Name:	
Personnel: G.C. L.B.	Permit Number:	
Current Weather Conditions: Sunny + warm	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 920U 5 ₂₀	Downstream: 920D 5 ₂₁	Other: 920O5 - Dumps ₂₂

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, 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 pats/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"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: XXXX Dumping				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

#5

Stream Morphology:

Upstream 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 type="checkbox"/> Pool	Width (ft.): <u>20</u>	Length (ft.): <u>100+</u>	Avg. Depth (ft.): <u>1.5'</u>	Max Depth (ft.): <u>2.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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>20</u>	Length (ft.): <u>100+</u>	Avg. Depth (ft.): <u>1.5'</u>	Max Depth (ft.): <u>2.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>5</u> % Cobble	<u>20</u> % Gravel	% Sand	% Silt	<u>75</u> % Mud/Clay	% Bedrock
-------------------	--------------------	--------	--------	----------------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at 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: Blum Burkard Date: 6/14/05

WBID 0920-Downstream #5



WBID 0920-Upstream #5



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 920-6	Site Location Description:	
Site GPS Coordinates: 425269 4296604	Bridge Co. Rd. 621	
Date & Time: 4/11/05 12:45 pm	Facility Name:	
Personnel: G. Caldwell, L. Burkard	Permit Number:	
Current Weather Conditions: Sunny + Warm	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 920U10 17	Downstream: 92006 15	Other: 92006- Shells 19

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, 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 pats/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"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: Spent rifle shells on Bridge. Possible target practice.				

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

*Some of this information is not intended to directly influence a decision on any one particular recreation 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# 920 :

Stream Morphology: #10

Upstream 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>300+</u>	Avg. Depth (ft.): <u>2'</u>	Max Depth (ft.): <u>3'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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>20'</u>	Length (ft.): <u>200</u>	Avg. Depth (ft.): <u>2'</u>	Max Depth (ft.): <u>3'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>5</u> % Cobble	<u>25</u> % Gravel	% Sand	% Silt	<u>70</u> % Mud/Clay	% Bedrock
-------------------	--------------------	--------	--------	----------------------	-----------

Aquatic Vegetation*: (note amount of vegetation or algal growth at 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>Muddy</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: [Signature] Date: 6/14/05

WBID 0920-Downstream #6



WBID 0920-Upstream #6



