

Use Attainability Analysis

for

WBID 1702 Creve Coeur Creek (P)

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

Date Received: October 31, 2006

RECEIVED

OCT 31 2006

WATER PROTECTION PROGRAM

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

**Data Sheet A - Water Body Identification**

Water Body Name (from USGS 7.5' quad): Creve Coeur Creek
8-digit HUC: 10300200- 130004
Missouri WBID #: 1702
County: St. Louis
Upstream Legal Description: NE1/4, SE1/4, SE1/4, Sec 18, R5E, T46N
Downstream Legal Description: SW1/4, NE1/4, NE1/4 Sec 7, R5E, T46N
Upstream Coordinates: 15S 0718281 E, 4289453 N
Downstream Coordinates: 15S 0717732 E, 4291855 N
Discharger Facility Name(s): none
Discharger Permit Number(s): none
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Paul Morris, 314-416-2960
Organization: MoDNR, FSD, SLRO
Position: ESIV

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

Signed:  Date: 10-04-2006

# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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

Missouri WBID #: 1702	Site Location Description: NW1/4 NW1/4 SEC.17 T.5 N. R.46W.		
Site GPS Coordinates: 0718608 E 4290472 N → 38.735890 -90.484919			
Date & Time: 10-2-2006 10:30	Facility Name: NA point #1		
Personnel: Paul Morris, Joe Twellman	Permit Number: NA		
Current Weather Conditions: Clear	Weather Conditions for Past 7 days: Dry		
Photo Ids: Upstream: 1 and 3	Downstream: 2 and 4	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 type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: none of	

**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 swing	<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 of				

**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)

\*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 Sheet for Recreational Use Stream Surveys**

**Data Sheet B - Site Characterization**

Page Two - WBID #:1702

**Stream Morphology:**

**Upstream View Physical Dimensions:**

Riffle	Width (ft):	Length (ft): 4	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.5
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No X	Estimated (ft <sup>3</sup> /sec):

**Downstream View Physical Dimensions:**

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 25	Length (ft): 50	Avg. Depth (ft): 3	Max. Depth (ft): 6
Flow	Present?	Yes	No X	Estimated (ft <sup>3</sup> /sec):

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

% Cobble	% Gravel	% Sand	20% Silt	80% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

Site had high mortality. Dead beavers, waterfowl, etc. The deaths may have been attributed to high velocity of the water due to channelization and urban spike in hydrograph.

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

Odor:	<u>Sewage</u>	<u>Musky</u>	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other: <u>Brown</u>
Bottom Deposit:	Sludge	Solids	<u>Fine sediments</u>	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	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: 10-6-2006

Organization: Mo DNR

Position: ESTV

WBID 1702 -01 - Downstream



WBID 1702 -01 - Upstream



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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

Missouri WBID #: 1702	Site Location Description: SE 1/4 NE 1/4 SEC. 17 T.5 N. R. 46W.		
Site GPS Coordinates: 0718006 E 4289660 N → 38.728728 -90.492094			
Date & Time: 10-2-2006 11:30	Facility Name: NA point #2		
Personnel: Paul Morris, Joe Twellman	Permit Number: NA		
Current Weather Conditions: Clear, hot	Weather Conditions for Past 7 days: Dry		
Photo Ids: Upstream: 6	Downstream: 5	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"/> <sup>up</sup> 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 checked="" type="checkbox"/> Other: Dead animal and fish bones	

### 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 swing	<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:				

**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)

\*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 Sheet for Recreational Use Stream Surveys**

**Data Sheet B - Site Characterization**

Page Two - WBID #: 1702

**Stream Morphology:**

**Upstream View Physical Dimensions:**

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft): 25	Avg. Depth (ft): 0.5	Max. Depth (ft): 0.66
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

**Downstream View Physical Dimensions:**

*Dry* <sup>exp</sup>

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	<u>No</u> <sup>exp</sup>	Estimated (ft <sup>3</sup> /sec):

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

% Cobble	% Gravel	% Sand	% Silt	100% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

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

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	<u>Green</u>	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	<u>Fine sediments</u>	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

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

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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]*  
 Organization: MODNR  
 Position: ESIV

Date: 10-6-2006

WBID 1702 -02 - Downstream



WBID 1702 -02 - Upstream



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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

Missouri WBID #: 1702	Site Location Description: NE 1/4 NE1/4 SEC.18 T.5 N. R. 46W.		
Site GPS Coordinates: 0718281 E 4289453 N → 38.726796 -90.488999			
Date & Time: 10-2-2006 1:00	Facility Name: NA point #3		
Personnel: Paul Morris, Joe Twellman	Permit Number: NA		
Current Weather Conditions: Clear	Weather Conditions for Past 7 days: Dry		
Photo Ids: Upstream: 8	Downstream: 7	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"/> <sup>ap</sup> 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.)  
 St. Louis Rowing Club launches upstream from this point, which is considered the Creve Coeur Lake waterbody (1755). This point is the furthest upstream point on the stream reach.

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

<input checked="" type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input checked="" type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: none ap	

**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 swing	<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 ap				

**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)

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

**Data Sheet B - Site Characterization**

Page Two - WBID #:1702

**Stream Morphology:**

**Upstream View Physical Dimensions:** *Dry op*

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

**Downstream View Physical Dimensions:** *Dry op*

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

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

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

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

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other: <i>rip rap</i>
Surface Deposit:	Oil	Scum	Foam	None	Other:

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

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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: 10-6-2006

Organization: M. DNR

Position: ES IV

WBID 1702 -03 - Downstream



WBID 1702 -03 - Upstream



STREAM NAME: Creve Coeur

WBID# 1702

POINT # 1-3

PHOTO	WBID	UP	DOWN	USE	COMMENTS
1	1702				* Dead Beavers & water fowl
2					Downstream pt. 1
3					✓ Upstream " "
4					✓ Down from bridge " "
5					✓ <del>Down</del> Down from pt. 2
6					✓ Upstream from pt. 2
7					✓ Downstream pt. 3
8					✓ Upstream pt. 3
9					* Boat dock at C.C. lake
10					* stream at boat dock toward lake
11					* Stagnate stream by Schmidt Nursery
12					(between pts 1 & 2)
13					
14					
15					
16					<del>entrance</del>
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Lake photos  
may be  
WBID 1755

1  
002  
004  
003 Bridge  
at CC

Nursery