Use Attainability Analysis

for

WBID 1530 Trib to Little Beaver

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

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WATER PROTECTION PROGRAM

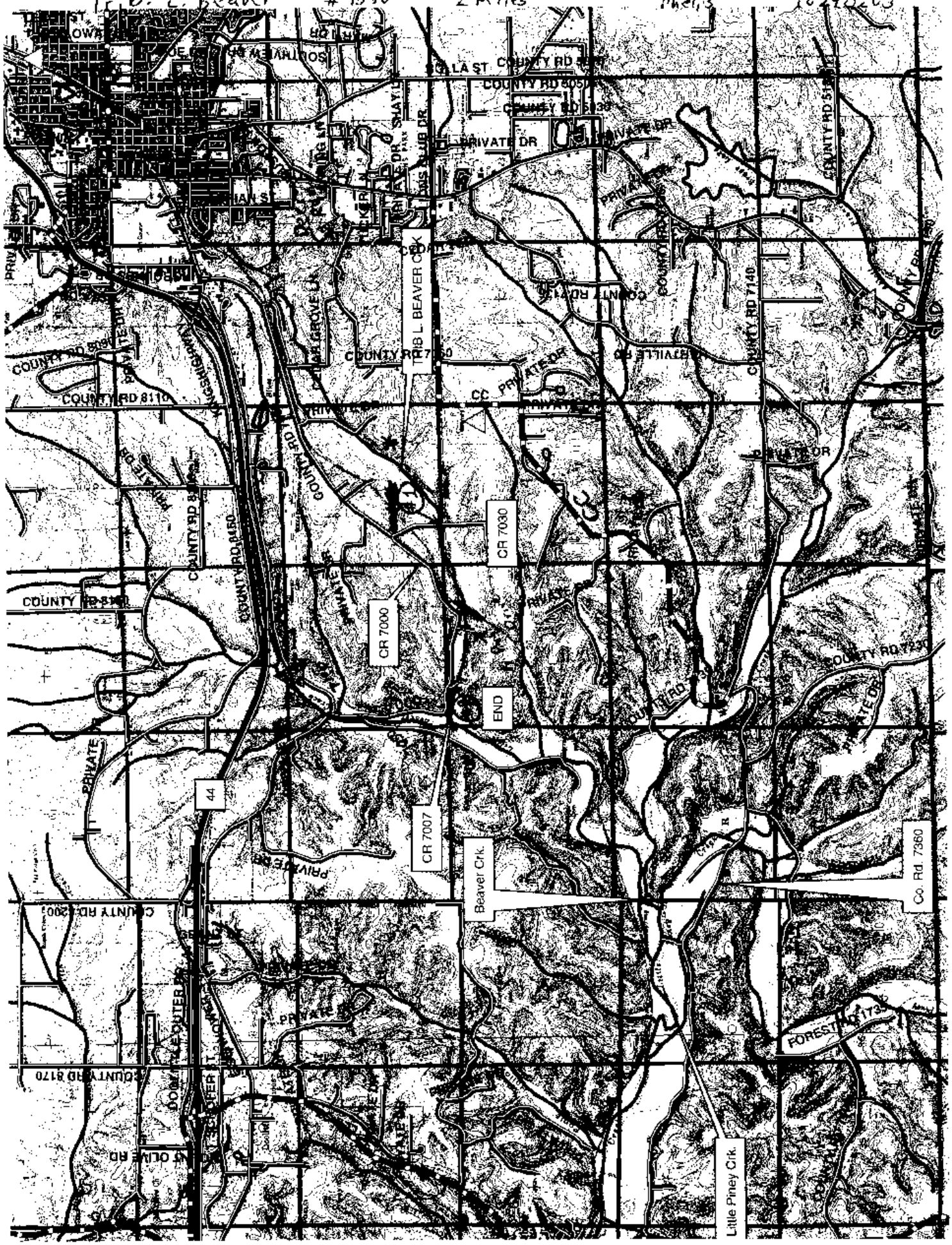
Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	Tributary to Little Beaver
8-digit HUC:	10290203
Missouri WBID #:	1530
County:	Phelps
Upstream Legal Description:	Southern Border of SW1/4, Sec. 16 T37N R8W
Downstream Legal Description:	NW1/4, Sec. 20 T37N R8W
Upstream Coordinates:	UTM DD 37.92279 91.81733
Downstream Coordinates:	UTM DD 37.92194 91.83574
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	2
Name of Surveyor and Telephone Number:	Tucker Fredrickson (573)526-4210
Organization:	MDNR
Position:	Environmental Specialist

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

Signed: Tucker Fredrickson **Date:** 6/27/05

Trib. L. Beaver # 1530 2 miles Phelps 10290203



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 #: 1530 - 01		Site Location Description: Low water Bridge Crossing County Road 7030	
28.4 Site GPS Coordinates: 37.92279 91.81733			
Date & Time: 6/29/05		Facility Name: Tributary to Little Beaver	
Personnel: Tucker Fredrickson		Permit Number:	
Current Weather Conditions: Sunny 92°F		Weather Conditions for Past 7 days: No rainfall	
Photo Ids: Upstream: 25	Downstream: 26	Other: H Temp. Range 83-93°F	

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☒ None of the above	☐ 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.)

☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☒ Fence	☐ Steep slopes	☐ Other:	

Evidence of Human Use*:

☐ Roads	☐ Foot paths/prints	☐ Dock/platform	☒ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ 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.

Page Two – Data Sheet B for WBID # 1530 : 01

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):	8	Length (ft):	20	Avg. Depth (ft):	0.3	Max. Depth (ft):	0.5
☐ Flow	Present?	☒ Yes	☐ No		Estimated (ft^3/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):	18	Length (ft):	25	Avg. Depth (ft):	0.75	Max. Depth (ft):	1.25
☐ Flow	Present?	☒ Yes	☐ No		Estimated (ft^3/sec):			

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

30 % Cobble	% Gravel	% Sand	20 % Silt	% Mud/Clay	50 % Bedrock

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

periphyton 75% substrate coverage

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:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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

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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: Tucker Fredrickson Date: 6/29/05

Organization: MDNR Position: Environmental Specialist

1530_001_US

1530_001_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 #: 1530-02	Site Location Description: Bridge crossing County Road 7007
Site GPS Coordinates: 37.92194 91.83574	
Date & Time: 6/29/05 1:45	Facility Name: Tributary to Little Beaver
Personnel: Tucker Fredrickson	Permit Number:
Current Weather Conditions: Sunny 95°F	Weather Conditions for Past 7 days: No rainfall
Photo Ids: Upstream: 27 Downstream: 28	Other: H Temp. 83-93°F

A.3

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☒ None of the above	☐ 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.)

☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	☒ Other: 0.3 mile from MDC Conservation Area	

Evidence of Human Use*:

☐ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☒ Other: NA				

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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Page Two – Data Sheet B for WBID # 1530 : 02

Stream Morphology:

Upstream View Physical Dimensions:

☒ Riffle	Width (ft): 4	Length (ft): 120	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.4
☐ Run	Width (ft):	Length (ft): ~~120~~	Avg. Depth (ft):	Max. Depth (ft):
~~☒ Pool~~	~~Width (ft): 7~~	~~Length (ft): 9~~	~~Avg. Depth (ft): 1.5~~	~~Max. Depth (ft): 2.25~~
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/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): 7	Length (ft): 9	Avg. Depth (ft): 1.5	Max. Depth (ft): 2.25
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec):	

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

60 % Cobble	25 % Gravel	15 % Sand	% Silt	% Mud/Clay	% Bedrock

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

periphyton substrate coverage - 50%

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:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

Permits Required For Entry — Marguerite Bray Conservation Area

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

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Organization: MDNR **Position:** Environmental Specialist

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1530_002_DS