Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 1608 Bigelow's Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

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WATER PROTECTION PROGRAM

Field Data Sheets for Recreational Use Stream Surveys

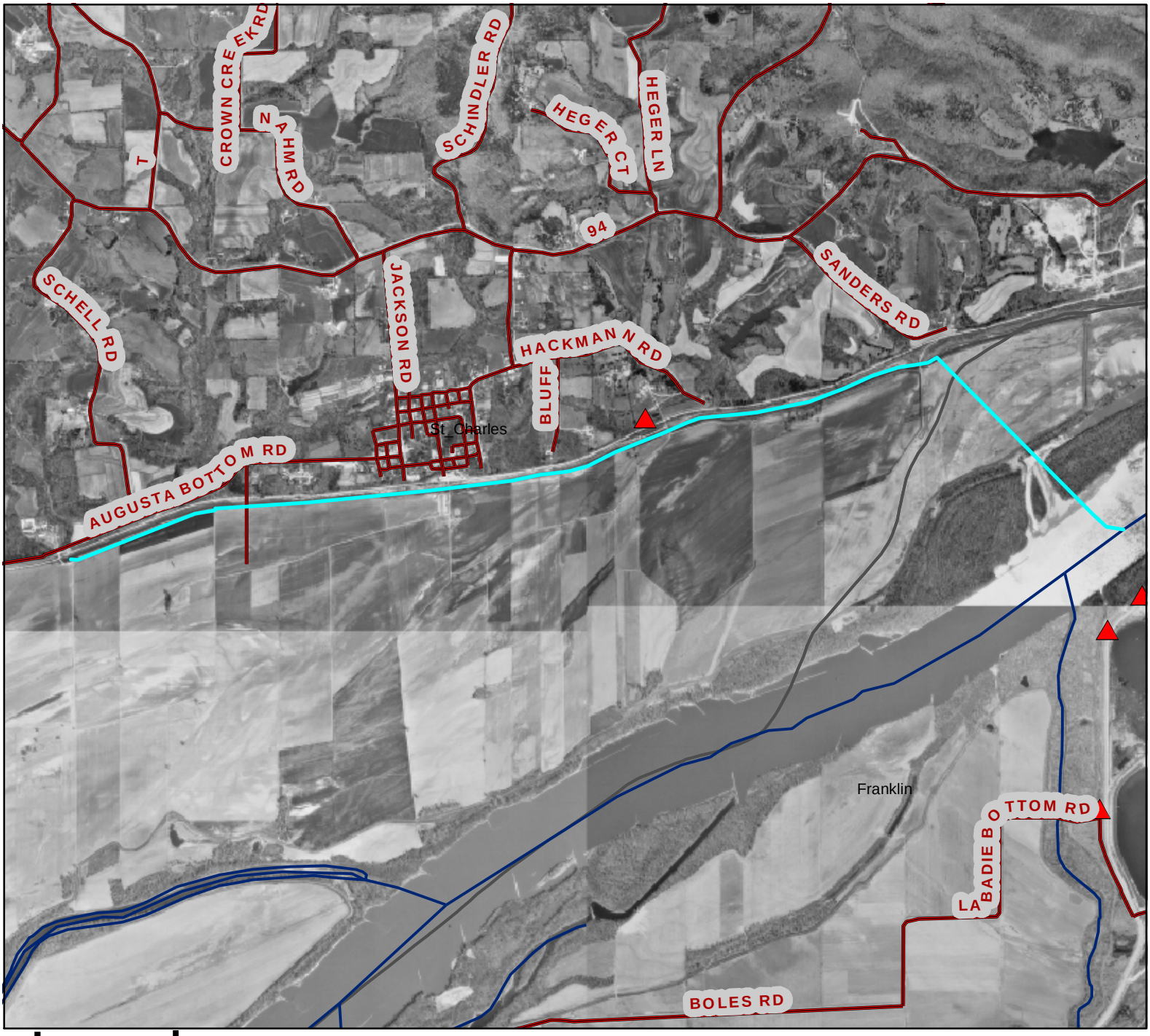
Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	Bigelow Creek
8-digit HUC:	10300200
Missouri WBID #:	1608
County:	St. Charles
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	
Downstream Coordinates: (UGS 84, ddd.ddddd)	90.86787 / 38.57203
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	2
Name of Surveyor and Telephone Number:	Mary Clark 573-526-1002
Organization:	MDNR
Position:	ES 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: Mary Clark **Date:** 7-11-05

Bigelow's Creek (C) #1608 St Charles County



Legend

Roads

Point Sources

Classified Waterbodies

Counties

0 0.25 0.5 1 Miles

N
W E
S

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 #: 1608 -001		Site Location Description: Big elm Creek	
24 Site GPS Coordinates: 90.88116/38.5695		Public st. Bridge (Augusta)	
Date & Time: 7-11-05		Facility Name:	
Personnel: Mike Clark		Permit Number:	
Current Weather Conditions: 1 day		Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 478	Downstream: 477	Other:	

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.)

Creek is dry except for a pool under the Bridge.

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

☒ 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: Farm land in both sides of Stream.	

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 # 1618-001 **:**

Stream Morphology:

Upstream View Physical Dimensions: DRY

☐ 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^3/sec):	

Downstream View Physical Dimensions: fish in pool

☐ 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): 10	Length (ft): 15	Avg. Depth (ft): 1.	Max. Depth (ft): ≤1.5
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

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

5 % Cobble	% Gravel	% Sand	% Silt	95 % Mud/Clay	% Bedrock

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

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.

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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. estimated based on my observation

Signed: Mary Clark **Date:** 7-11-05

Organization: MONK Position: ESII

1608_001 DS

1608_001 US

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

EPE 16

Missouri WBID #: 1608-002	Site Location Description: Bridge - Hackman rd to Katy trail crossing,
Site GPS Coordinates: 90.86787/38.57203	
Date & Time: 7-11-05 12:00	Facility Name:
Personnel: Mary Clark ap	Permit Number:
Current Weather Conditions: Cloudy/sprinkling	Weather Conditions for Past 7 days:
Photo Ids: Upstream: 479 Downstream: 480	Other:

stands of ragweed along bank

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☒ None of the above	☒ Other: Katy trail

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

100 ft away
lots of cyclist

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: cyclists on trail farm land in Bottom WWTP due North	

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: Katy trail bicyclists				

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 # 1608-002 **:**

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 12	Length (ft): 100	Avg. Depth (ft): 1.5	Max. Depth (ft): ≥2.0
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec):	

Downstream View Physical Dimensions:

☒ Riffle	Width (ft): 2	Length (ft): 8	Avg. Depth (ft): 0.1	Max. Depth (ft): 0.15
☒ Run	Width (ft): 10	Length (ft): 100	Avg. Depth (ft): 0.5	Max. Depth (ft): 0.8
☒ Pool	Width (ft): 25	Length (ft): 20	Avg. Depth (ft): 1.5	Max. Depth (ft): 2.5
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec):	

at Bridge

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

5 % Cobble	% Gravel	% Sand	% Silt	95 % Mud/Clay	% Bedrock

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

Algae obvious at edges + floating Can't see bottom to tell

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☒ Green brown	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☐ None	☐ Other: ? Can't see
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☐ None	☒ Other: floating [illegible]

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

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Signed: Mary Clark **Date:** 7-12-05

Organization: MDNR Position: ES III

1608_002 DS

1608_002 US