Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 2035 Bachelor Creek

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

Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	Bachelor Creek (USGS = Roth Creek)
8-digit HUC:	07140103
Missouri WBID #:	2035
County:	Franklin
Upstream Legal Description:	SE¼, Sec 7, T42N, R01W
Downstream Legal Description:	SE¼, Sec. 5, T42N, R01W
Upstream Coordinates: (UGS 84, ddd.ddddd)	668940.99 4251907.49
Downstream Coordinates: (UGS 84, ddd.ddddd)	670261.79 4253596.59
Discharger Facility Name(s):	Camp Tamto
Discharger Permit Number(s):	MO-0127035
Number of Sites Evaluated:	2
Name of Surveyor and Telephone Number:	Mary Clark
Organization:	MDNR-WPP
Position:	Environmental Specialist

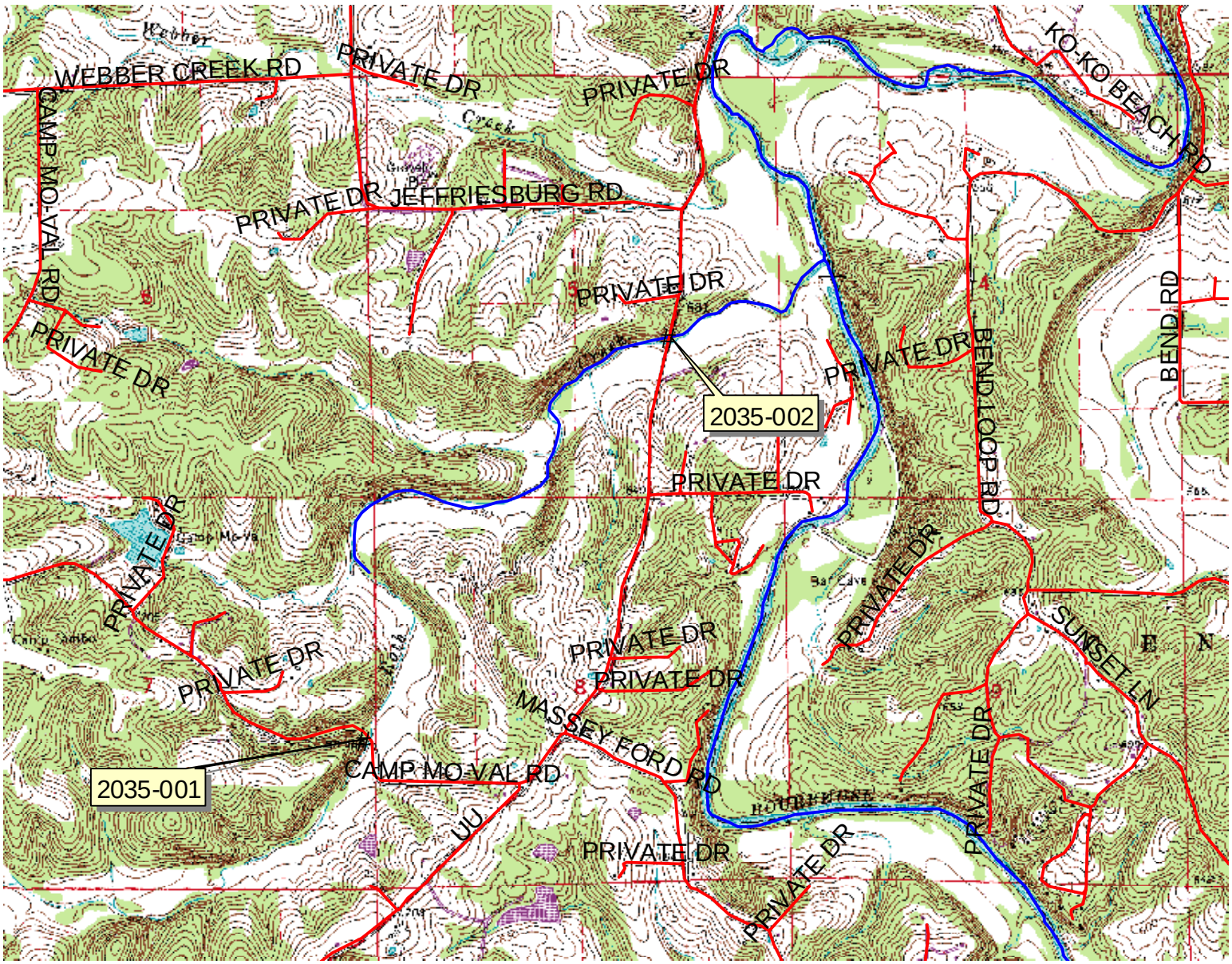
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Mary Clark **Date:** June 3, 2005

Stacia Bays 6/6/05

Bachelor Creek
Water Body ID: 2035
Franklin County

June 3, 2005



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 #: 2035-001	Site Location Description: Camp Moval Rd. Bridge at Bachelor Cr.
Site GPS Coordinates: 668 940.99 4251 907.49	
Date & Time: 6-03-05 6:00pm	Facility Name: Camp Tambo
Personnel: Mary Clark	Permit Number: MO-0127035
Current Weather Conditions: Warm pt. cldy	Weather Conditions for Past 7 days: warm dry
Photo Ids: Upstream: 0006 Downstream: 0007	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.)

—

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

☐ 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 # 2035-001:

Stream Morphology:

Upstream View Physical Dimensions:

☒ Riffle	Width (ft): 12'	Length (ft): 12	Avg. Depth (ft): ≤ 0.1	Max. Depth (ft): ≤ 0.1
☒ Run	Width (ft): 10	Length (ft): 20	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.25
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): moderate to fair	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 12'	Length (ft): 90'	Avg. Depth (ft): 0.33	Max. Depth (ft): 0.5
☒ Pool	Width (ft): 1.5'	Length (ft): 12'	Avg. Depth (ft): 0.66	Max. Depth (ft): 1.0
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): moderate	

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

45% Cobble	50 % Gravel	5 % Sand	% Silt	% Mud/Clay	% Bedrock

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

macro in gravel bar
5% algae close growing

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.

Signed: Mary Clark **Date:** 6-3-05

Organization: MDNR Position: ES II

2035-001 Upstream

2035-001 Downstream

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 #: 2035-002		Site Location Description: rt. 111 bridge over Bachelor Creek	
Site GPS Coordinates: 670261.79 4253596.59			
Date & Time: June 3-05, 5:30		Facility Name: Camp Tambo	
Personnel: Mary [illegible]		Permit Number: MO-0127035	
Current Weather Conditions: warm pt-cld		Weather Conditions for Past 7 days: [illegible]	
Photo Ids: Upstream: 0005	Downstream: 0003+	Other: 0004 down stream	

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.) N/A

☐ 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)

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002 = [illegible] a losing segme

more flow in upstream segment (2035-002)!

Page Two - Data Sheet B for WBID # 2035:

Stream Morphology:

Upstream View Physical Dimensions: * new bridge may have caused it to go under ground.

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Run	Width (ft): 2'	Length (ft): 50	Avg. Depth (ft): 0.15	Max. Depth (ft): 0.25
☑ Pool	Width (ft): 5	Length (ft): 50	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.5
☐ Flow	Present? ☒ Yes ☐ No only near Bridge		Estimated (ft³/sec):	

under Bridge

same

under Bridge

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): 10'	Length (ft): 50'	Avg. Depth (ft): <0.1	Max. Depth (ft): ≤ 0.1
☐ Flow	Present? ☐ Yes ☑ No no flow beyond Bridge / culvert from field.		Estimated (ft³/sec):	

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

25 % Cobble	70 % Gravel	5 % Sand	% Silt	% Mud/Clay	% Bedrock

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

significant algae, close growing where there is moisture

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: algae
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑ None	☐ Other:

Comments: Please attach additional comments (including information from interviews) to this form.
Stream is just about dry. No possibility of whole body contact.

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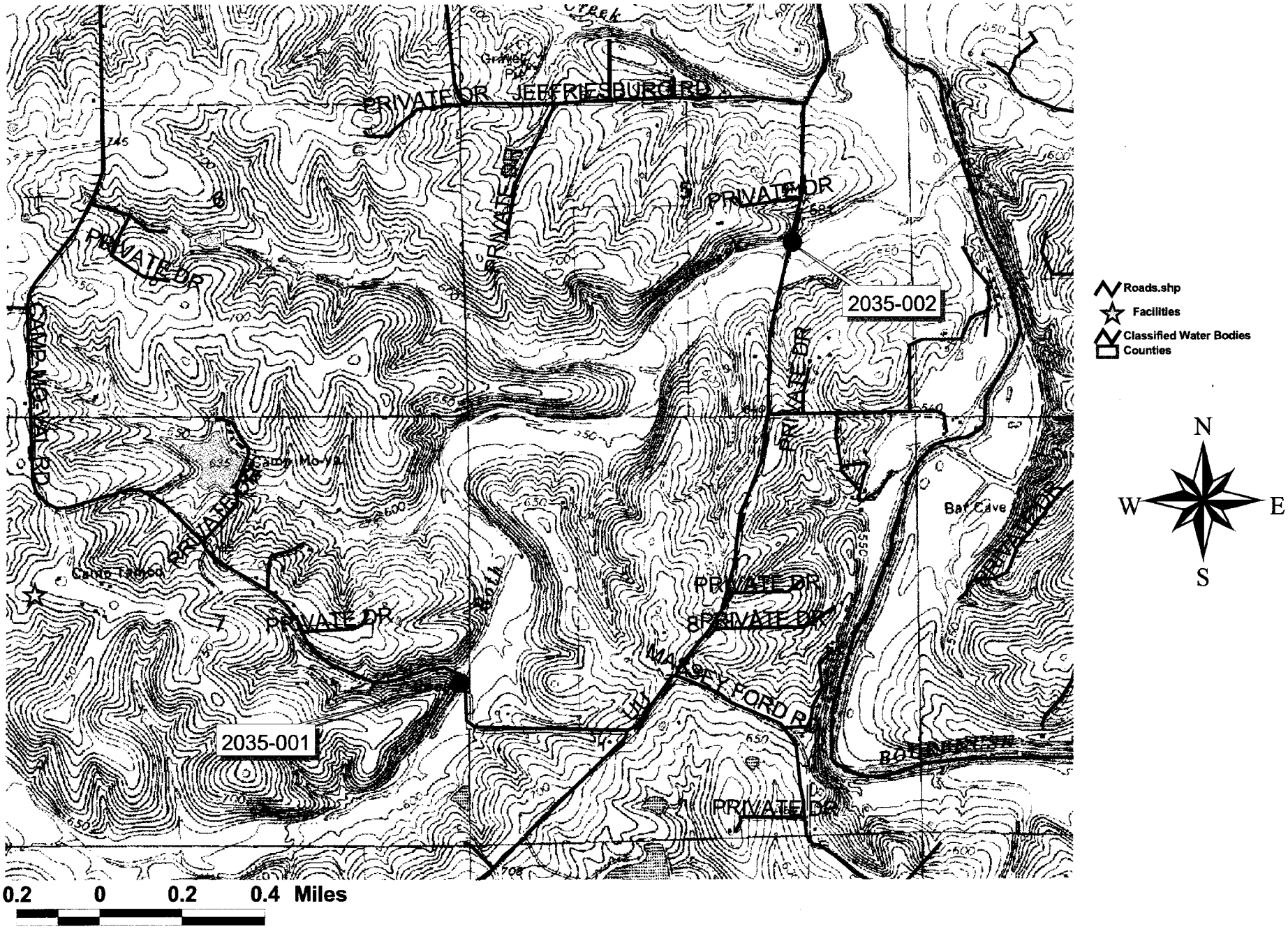
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Mary Clark **Date:** 6-3-05

Organization: MDNR Position: ES III

2035-002 Upstream

2035-002 Downstream

2035-002 Downstream

Bachelor Creek (c) #2035 Franklin County