Use Attainability Analysis

for

WBID 3509 Tributary to Flat 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

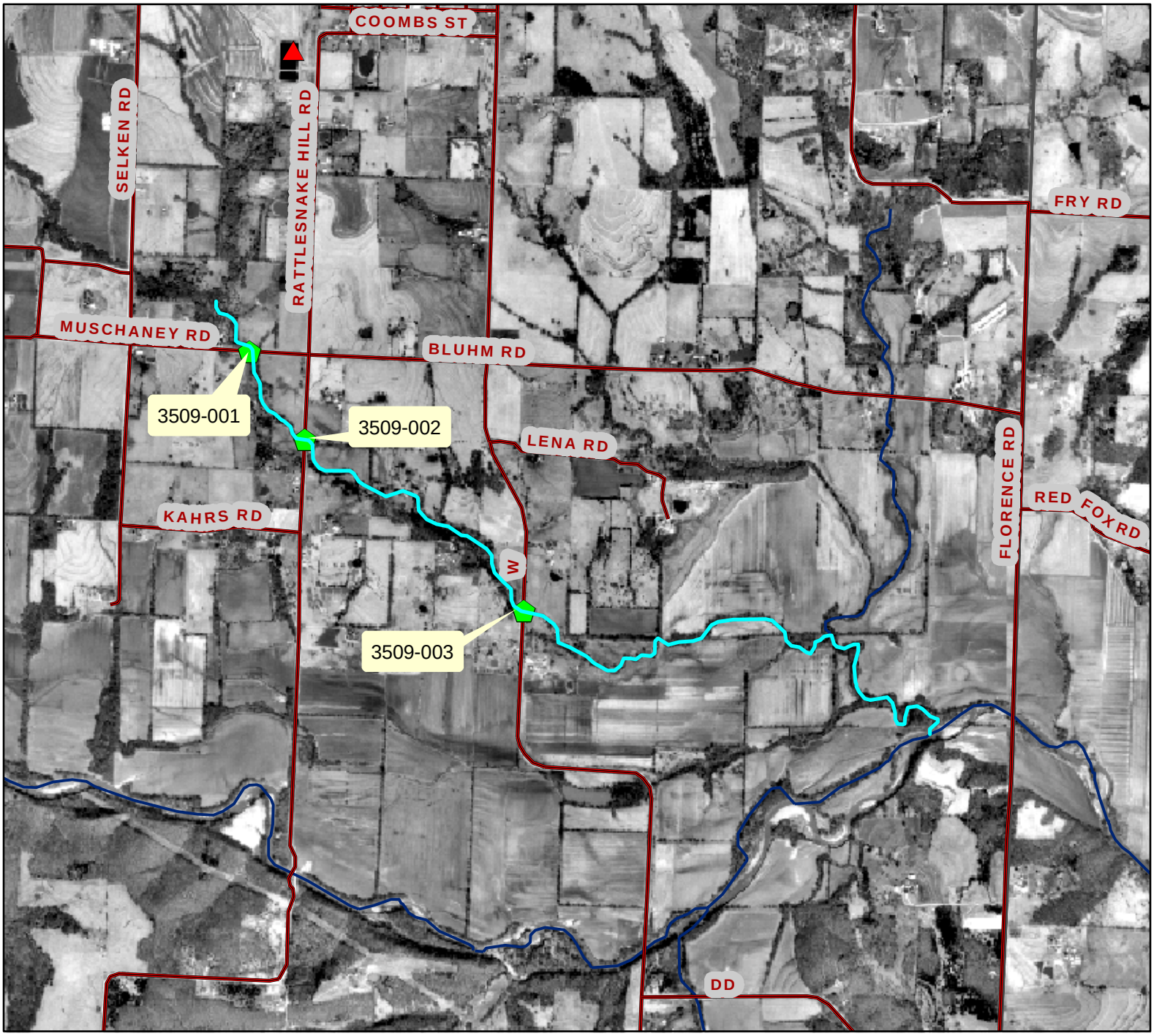
Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	Flat Creek trib (c)
8-digit HUC:	10300103
Missouri WBID #:	3509
County:	Pettis
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	
Downstream Coordinates: (UGS 84, ddd.ddddd)	
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Crawford & Peery
Organization:	DNR/WPP
Position:	Env. Spec.

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

Signed: Ann Crawford **Date:** 6-22-05

Trib to Flat Creek (C) #3509 Pettis County



Legend

Roads

Classified Waterbodies

0 0.4 0.8 1.6 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 #: 3509-001	Site Location Description: very little bridge trib to Flat Creek Muschaney Rd Bridge
Site GPS Coordinates:	
Date & Time: 6/22/05 11:45 55	Facility Name:
Personnel: Crawford & Peery	Permit Number:
Current Weather Conditions: Sunny/partly cloudy	Weather Conditions for Past 7 days: dry
Photo Ids: Upstream: 70-73 Downstream: 74-76	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.)

Saw turtle & little catfish, minnows

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: N/A	

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: N/A				

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 # 3509-001

Rural residential & fields
2 animal paths

Stream Morphology:

Upstream View Physical Dimensions: 2 banks so veiny as to be inaccessible

☐ 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): 19	Length (ft): 50	Avg. Depth (ft): 1	Max. Depth (ft): 2
☑ Flow	Present? ☐ Yes ☐ No Not sure		Estimated (ft^3/sec):	

Downstream View Physical Dimensions: Horse pasture – one bank accessible to stream

☐ 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): 40	Avg. Depth (ft): 1	Max. Depth (ft): 1½
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): very little	

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

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

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

N/A

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other: somewhat cloudy-green/brown
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: Ann Crawford **Date:** 1-22-05

Organization: DNR Position: ES

3509_001_US

Creek

3509_001_DS

Trib. to Flat
Creek
3509-001 4/8

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 #: 3509-002	Site Location Description: Trib to Flat Creek Rattlesnake Hill Rd Bridge
Site GPS Coordinates:	
Date & Time: 6/22/05 12:15	Facility Name:
Personnel: Crawford & Peery	Permit Number:
Current Weather Conditions: sunny/ptly cloudy	Weather Conditions for Past 7 days: dry
Photo Ids: Upstream: 77 - 79 Downstream: 80 - 82 Forgot to cross off U.	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.)

Meadows, one house nearby, Narrow Riparian zone

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: ~~N/A~~	

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: N/A				

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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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): 5	Length (ft): 10	Avg. Depth (ft): 1/4	Max. Depth (ft): 1/4
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): slight	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Run	Width (ft): 4	Length (ft): 18	Avg. Depth (ft): 1/4 (3")	Max. Depth (ft): 3" (1/4)
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec):	

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

70 % Cobble	20 % Gravel	10 % Sand	% Silt	% Mud/Clay	% Bedrock

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

Filamentous algae

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:

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Signed: Ann Crawford **Date:** 6-22-05

Organization: DNR Position: ES

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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 #: 3509-003	Site Location Description: Trib to Flat Creek Rt W Bridge
Site GPS Coordinates:	
Date & Time: 6/22/05 12:30	Facility Name:
Personnel: Crawford & Peery	Permit Number:
Current Weather Conditions: partly cloudy	Weather Conditions for Past 7 days: dry
Photo Ids: Upstream: 83-85 Downstream: 86-88	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.)

Rural, 2 homes, meadows.

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: N/A	

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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Stream Morphology:

Upstream View Physical Dimensions: Meadows, Rock cliff + good riparian

☐ 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): 20	Avg. Depth (ft): 1/2	Max. Depth (ft): 3/4
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): very little	

Downstream View Physical Dimensions: cattle fence, meadows

☐ 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): 12	Length (ft): 20	Avg. Depth (ft): 1/2	Max. Depth (ft): 1
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): hard to tell - pools	

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

10 % Cobble	60 % Gravel	20 % Sand	10 % Silt	% Mud/Clay	% Bedrock

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

water willow

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other: cloudy
Bottom Deposit:	☐ Sludge	☐ Solids	☑ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑ None	☐ Other:

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Signed: Ann Crawford **Date:** 6-22-05

Organization: DNR Position: ES

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