Use Attainability Analysis

for

WBID 1687 Trib to Busch 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

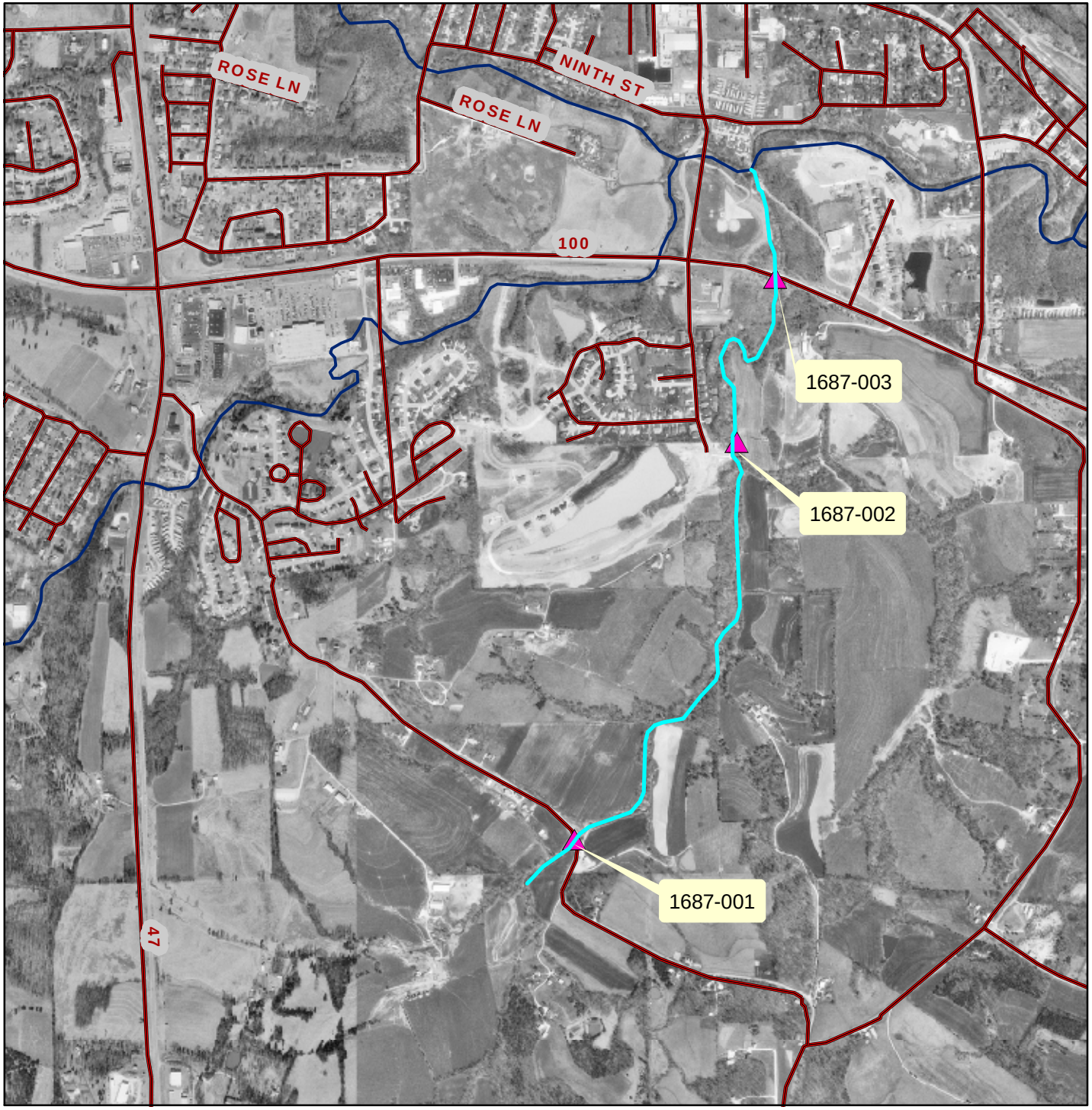
Data Sheet A - Water Body Identification

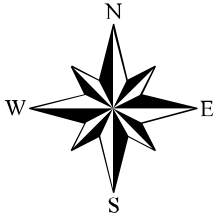
Water Body Name: (from USGS 7.5' quad)	Trib to Busch Creek
8-digit HUC:	10300200
Missouri WBID #:	1687
County:	Franklin
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	001 90.99191 / 38.52325
Downstream Coordinates: (UGS 84, ddd.ddddd)	003 90.98434 / 38.53828
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	2
Name of Surveyor and Telephone Number:	Mary Clark
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:** 6-17-05

Trib to Busch Creek (C) #1687 Franklin County





Legend

Roads

Classified Waterbodies

Miles

0 0.15 0.3 0.6

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 #: 1687-001	Site Location Description: new Bridge (old steel truss) Bickford Bridge over Trib to Cuivre Cr.
Site GPS Coordinates: 90.99191/38.52325	
Date & Time: 6-15-05 9:50	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: rained in last 7 days
Photo Ids: Upstream: 348 Downstream: 347	Other: pool + foreground

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 upstream	☐ Steep slopes	☒ Other: construction of new Bridge Rural - farm - corn + bean field. very occas	

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 # 1647-001:

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 8	Length (ft): 75	Avg. Depth (ft): 0.33	Max. Depth (ft): 0.4 ros
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec):	

low old bridge 0 flow pre old bridge water trickles under old Bridge slab.

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 10	Length (ft): 100	Avg. Depth (ft): 0.33	Max. Depth (ft): 0.5
☒ Pool	Width (ft): 15	Length (ft): 20	Avg. Depth (ft): 1.25	Max. Depth (ft): > 1.5
☐ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec):	

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

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

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

significant algae under new bridge – filamentous, total algae cover ≤10%
significant macro-grass on mud flat in stream.

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☒ ~~Green~~ brown	☐ Gray	☐ Milky	☐ Other: turbid
Bottom Deposit:	☐ Sludge	☐ Solids	☒ Fine sediments	☐ None	☐ Other: under Bridge
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 observations.

Signed: Mary Clark **Date:** 6-15-05

Organization: MDNR Position: ES III

1687_001_US

1687_001_DS

1687_001_DS

Page Two – Data Sheet B for WBID # 1687-002:

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):	Avg. Depth (ft):	Max. Depth (ft):
☐ 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):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Flow	Present? ☐ Yes ☐ No		Estimated (ft^3/sec):	

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

% Cobble	% Gravel	% Sand	% Silt	% 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:

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Signed: Mary Clark **Date:** 6-15-05

Organization: MDNR Position: ES III

Field Data Sheets for Recreational Use Stream Surveys

no access

Data Sheet B - Site Characterization

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

Missouri WBID #: 1687-002	Site Location Description: St. Ends w/ fence + NO trespassing sign. no access behind row of Houses
Site GPS Coordinates:	
Date & Time: 6-15-05	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: yes - rained
Photo Ids: Upstream: Downstream:	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.)

☐ 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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1687_003_US

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 #: 1687-003	Site Location Description: trib to Busch Creek
Site GPS Coordinates: 90.98434/38.53820	Hwy 100 Bridge Crossing
Date & Time: 6-15-05 10:30	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: yes rained in 7 days
Photo Ids: Upstream: 350 Downstream: 349	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.)

strip mall, church, subdivision

Burger ☑ 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: riparian corridor forested	

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: easy access by storm water drainage ditch				

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 # 1687-003

Stream Morphology:

Upstream View Physical Dimensions: ~ riffle upstream but can't estimate to far away

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Run	Width (ft):	15	Length (ft):	100	Avg. Depth (ft):	0.4	Max. Depth (ft):	0.5
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☐ Flow	Present?	☒ Yes	☐ No		Estimated (~~ft³/sec~~):	vel very slow may be backing up & mor. is very hi.		

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Run	Width (ft):	8	Length (ft):	60	Avg. Depth (ft):	0.33	Max. Depth (ft):	0.4
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☐ Flow	Present?	☒ Yes	☐ No		Estimated (ft³/sec):			

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

20 % Cobble	25 % Gravel	5 % Sand	% Silt	50 % Mud/Clay	% Bedrock	

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

Didn't see any

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☐ Other:
Color:	☐ Clear	~~☐ Green~~ brown	☐ Gray	☐ Milky	☒ Other: turbid
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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Signed: Mary Clark **Date:** 6-15-05

Organization: MDNR Position: ES III

1687_003_DS