Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 1688 Dubois 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

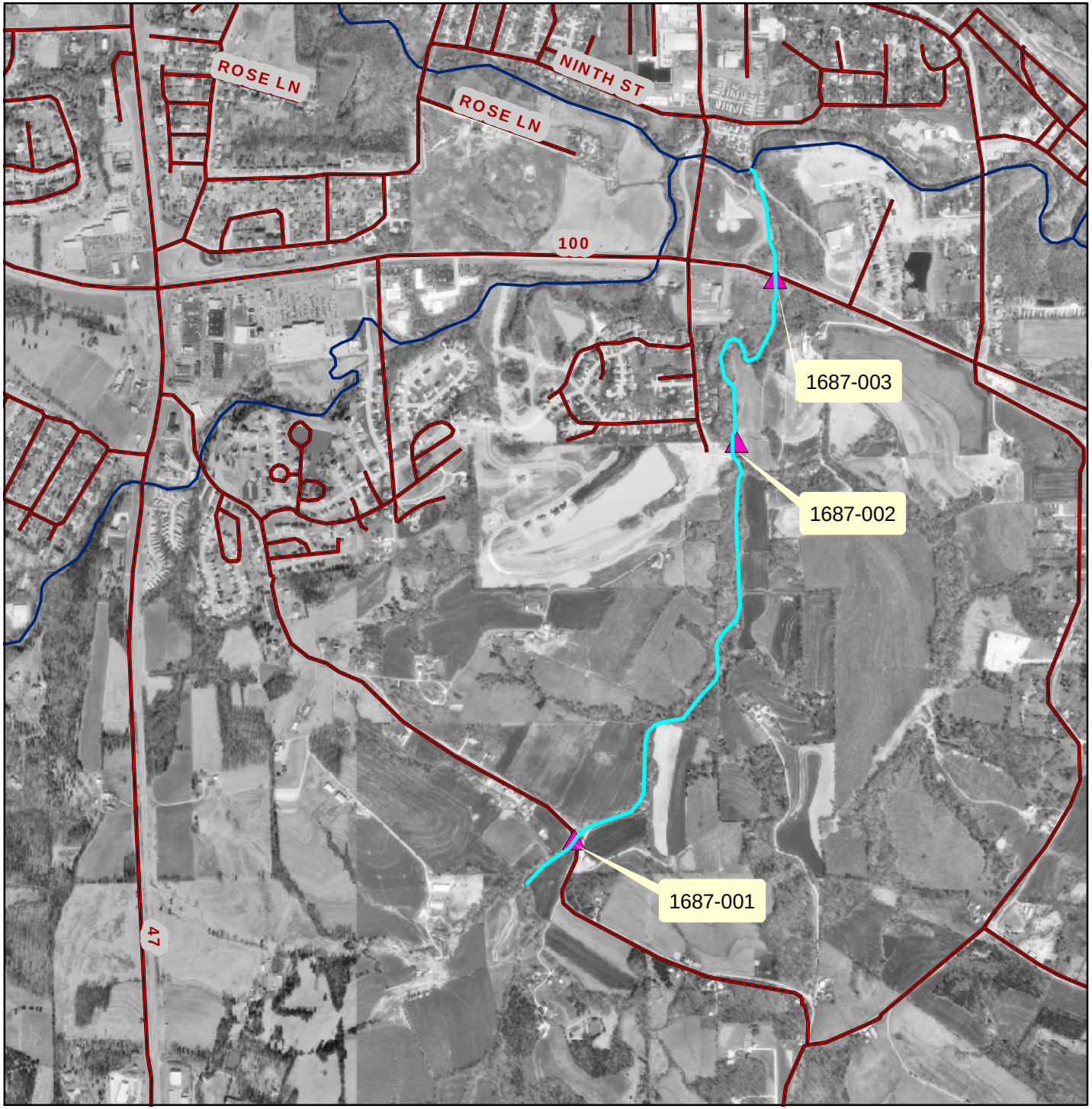
Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	Dubois Ck.
8-digit HUC:	10300200
Missouri WBID #:	1688
County:	Franklin Co
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	001 91.00335 / 38.49808
Downstream Coordinates: (UGS 84, ddd.ddddd)	003 90.96549 / 38.54411
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Mary Clark
Organization:	MDNR
Position:	ESIII

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



N
W
E
S

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 #: 1688-001	Site Location Description: Washington, MO. Bridge
Site GPS Coordinates: 91.00335/38.49808	Dubois Dr. crossing Hwy 47
Date & Time: 6-15-05 12:45pm	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: yes rained
Photo Ids: Upstream: 355 Downstream: 356	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.) Auto Sale & storage on either side of Stream

☐ 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 Good	

Barn Swallows under Bridge

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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Page Two – Data Sheet B for WBID # 1644-001

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☑ Run	Width (ft):	18	Length (ft):	30	Avg. Depth (ft):	1.0	Max. Depth (ft):	1.25	
☐ 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):	1.5	Length (ft):	1.5	Avg. Depth (ft):	0.1	Max. Depth (ft):	0.2	
☐ Run	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☑ Pool	Width (ft):	25	Length (ft):	?25	Avg. Depth (ft):	? can't estimate	Max. Depth (ft):	? can't estimate	
☐ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	pool is stiel			

was 2 runs separated by log bridge

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

Boulders + 50% Cobble	30 % Gravel	5 % Sand	% Silt	15 % Mud/Clay	% Bedrock

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

10% of Stream covered w/algae - clear growing. Moderate in Stream & on gravel bars. (0-5%). Submitted from under Snake near bridge.

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:** 6-15-05

Organization: MDNR Position: ESS IV

1688_001_US

1688_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 #: 1688-002	Site Location Description:
Site GPS Coordinates: 90.98611/38.50697	Buka rd, near Dubois Creek
Date & Time: 6-15-05 11:30	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions:	Weather Conditions for Past 7 days: yes sooned
Photo Ids: Upstream: 353 Downstream: 354	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: rural - corn fields, wheat field, abandoned poultry barn, pocket quarry ≥ 0.1 mi from Cree	

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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Page Two - Data Sheet B for WBID # 1668 - 002:

Stream Morphology:

Upstream View Physical Dimensions:

☒ Riffle	Width (ft):	1.5	Length (ft):	4	Avg. Depth (ft):	0.15	Max. Depth (ft): 0.2
☒ Run	Width (ft):	10	Length (ft):	40	Avg. Depth (ft):	0.2	Max. Depth (ft): 0.3
☒ Pool	Width (ft):	18	Length (ft):	65	Avg. Depth (ft):	0.5	Max. Depth (ft): 0.8
☐ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft³/sec)~~:		used in riffle. ≤ 1 ft³/sec

2 bridges 5 rd, 1 side road/dirt, cvr underhang.

Downstream View Physical Dimensions: 05 choked w/ debris (tree limbs, etc).

☒ Riffle	Width (ft):	3	Length (ft):	5	Avg. Depth (ft):	0.2	Max. Depth (ft): 0.25
☐ 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 (ft³/sec):		

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

Bedrock + 25 % Cobble | 15 % Gravel | 15 % Sand | % Silt | 35 % Mud/Clay | 10 % Bedrock

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

algae - close growing
macros - willows, grass in bars, water Hyssop, in stream

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ ~~Green~~ brown	☐ Gray	☐ Milky	☐ Other: tea bird
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: MONK Position: ES Tech

1688_002_US

1688_002_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 #: 1688-003	Site Location Description: Goode's Mill rd Bridge,
Site GPS Coordinates: 90.96549/38.5441	near Dubois Ln. over Dubois Creek
Date & Time: 6-15-05 11:05	Facility Name:
Personnel: Mary Clark	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: rained in 7 days
Photo Ids: Upstream: 351 Downstream: 352	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: rural farmer - but lots of traffic	

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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Page Two – Data Sheet B for WBID # 1688 -003 :

Stream Morphology: Debris a-Bridge abutting. L up to 10' high (Trees 2-3" in dia. in debris). very shallow under Bridge

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Run	Width (ft):	15	Length (ft):	45	Avg. Depth (ft): 0.33	Max. Depth (ft):	0.5
☒ Pool	Width (ft):	35	Length (ft):	15	Avg. Depth (ft): 0.5	Max. Depth (ft):	0.75
☐ Flow	Present?	☒ Yes	☐ No		Estimated (ft³/sec):	very ~ ≤ 1 ft³/sec	

Backed up behind ridge

Downstream View Physical Dimensions:

☒ Riffle	Width (ft):	5	Length (ft):	4	Avg. Depth (ft): 0.25	Max. Depth (ft):	0.3
☐ Run	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Pool	Width (ft):	18	Length (ft):	25	Avg. Depth (ft): 0.5	Max. Depth (ft):	0.6
☐ Flow	Present?	☒ Yes	☐ No		Estimated (ft³/sec):		

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

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

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

30% of Stream covered w/algae - clear/brown, L amnt in pool and shallow run above debris. Moss in mud flat from and weed

Water Characteristics*: (Mark all that apply.)

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

Organization: MDNR Position: ES II

1688_003_US

1688_003_DS