Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 0447 East Fork Big 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

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WATER PROTECTION PROGRAM

Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	East Fork Big Creek
8-digit HUC:	10280101
Missouri WBID #:	0447
County:	Harrison
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	40.57532 -93.92529 DM
Downstream Coordinates: (UGS 84, ddd.ddddd)	40.37764 -93.97288 DM
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	9
Name of Surveyor and Telephone Number:	Richard Duchrow 573/751-7225
Organization:	DNR-WPP
Position:	Stm Biologist

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

Signed: _____ **Date:** 6/22/05

East Fork Big Creek (C) #0447 Harrison County Part Two

N
W E
S

Legend

Roads

Classified Waterbodies

Miles

0 0.45 0.9 1.8

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 #: 0447-001		Site Location Description:
Site GPS Coordinates: 40.57532 -93.92529		E 100 ST (324TH) BR
Date & Time: 6/20/05 0505 hrs.		Facility Name:
Personnel: [illegible]		Permit Number:
Current Weather Conditions: PC		Weather Conditions for Past 7 days: Rain - Clear 1934 6days
Photo Ids: Upstream: 100-0034	Downstream: 100-0035	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 - pasture land	

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 # 0447-001:

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):	12'	Length (ft):	300'	Avg. Depth (ft):	1.0'	Max. Depth (ft): 2.0'
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	5-10 cfs	

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):	20'	Length (ft):	100'	Avg. Depth (ft):	0.3'	Max. Depth (ft): 1.0'
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	3-10 cfs	

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

10 % Cobble	20 % Gravel	50 % Sand	20 % 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:

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: [signature] **Date:** 6/20/05

Organization: DNR-WPP Position: Stm Biologist

0447_001_US

0447_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 #: 0447-002		Site Location Description:	
Site GPS Coordinates: 40.54044 -93.92100		E 132 ST BR	
Date & Time: 6/30/05 0845 hrs.		Facility Name:	
Personnel: RD		Permit Number:	
Current Weather Conditions: Clear		Weather Conditions for Past 7 days: Rain - Clear last 6 days	
Photo Ids: Upstream: 100-0036	Downstream: 100-0037	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.)

OBSERVED MUSKRAT SWIMMING

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 - Crop & Pasture	

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 # 0447-002:

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):	25'	Length (ft):	300'+	Avg. Depth (ft):	>1.0'	Max. Depth (ft):	>3.0'
☑ 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):	25'	Length (ft):	200'	Avg. Depth (ft):	1.0'	Max. Depth (ft):	3.0'
☑ Flow	Present?	☐ Yes	☑ No		Estimated (ft^3/sec):			

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

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

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

SLIGHT ALGAE BLOOM

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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Signed: _____ **Date:** 6/20/05

Organization: DNR-WPP Position: Stm Biologist

0447_002_US

0447_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 #: 0447-003	Site Location Description: E 130th ST BR
Site GPS Coordinates: 40.52756 -93.92308	
Date & Time: 6/30/05 0905 hrs.	Facility Name:
Personnel: DS	Permit Number:
Current Weather Conditions: Clear	Weather Conditions for Past 7 days: Rain - Clear last 6 days
Photo Ids: Upstream: 100-0038	Downstream: 100-0039 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 - Cropland	

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 # 0447-003 :

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):	12'	Length (ft):	300+'	Avg. Depth (ft):	>1.0'	Max. Depth (ft):	>3.0'
☑ 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):	15'	Length (ft):	300+'	Avg. Depth (ft):	>1.0'	Max. Depth (ft):	>2.5'
☑ Flow	Present?	☐ Yes	☑ No		Estimated (ft^3/sec):			

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

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

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

Rooted Aquatics US rooted DS Slight algal Bloom

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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Signed: [signature] **Date:** 6/20/05

Organization: DNR - WPP Position: STM Biologist

0447_003_US

0447_003_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 #: 0447-004	Site Location Description:
Site GPS Coordinates: 40.50055 -93.92416	E 150th BR
Date & Time: 6/20/05 0945 hrs.	Facility Name:
Personnel: [illegible]	Permit Number:
Current Weather Conditions: Clear	Weather Conditions for Past 7 days: Rain - Clear last 6 days
Photo Ids: Upstream: 100-0040 Downstream: 100-0041	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.)

Talked to local landowner
Said locals swam DS of BR when he was younger
Current use: 53

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 - Pasture land	

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 # 0447-004:

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☑ Run	Width (ft):	18'	Length (ft):	300+'	Avg. Depth (ft):	0.2'	Max. Depth (ft): 0.75'
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☑ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1-5 cfs	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☑ Run	Width (ft):	6'	Length (ft):	120'	Avg. Depth (ft):	0.1	Max. Depth (ft): 0.2
☑ Pool	Width (ft):	30'	Length (ft):	60'	Avg. Depth (ft):	0.7'	Max. Depth (ft): 1.5'
☑ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1-3 cfs	

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

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

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

SLIGHT ALGAE BLOOM

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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Signed: _____ **Date:** 6/20/05

Organization: DNR - WPP Position: Stm Biologist

0447_004_US

0447_004_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 #: 0447-005		Site Location Description:	
Site GPS Coordinates: 40.47854 -93.94219		E 165th ST BR	
Date & Time: 6/29/05 1035 hrs.		Facility Name:	
Personnel: JC		Permit Number:	
Current Weather Conditions: Clear		Weather Conditions for Past 7 days: Rain - Clear last 6 days	
Photo Ids: Upstream: 100-0042	Downstream: 100-0043	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 - Pastureland	

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 # 0447-005

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):	35'	Length (ft):	150'	Avg. Depth (ft):	0.7'	Max. Depth (ft):	>3.0'
☑ 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):	35'	Length (ft):	150'	Avg. Depth (ft):	2.0'	Max. Depth (ft):	>3.0'
☑ Flow	Present?	☐ Yes	☑ No		Estimated (ft^3/sec):			

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

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

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

Algae bloom present

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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Signed: _____ **Date:** 6/20/05

Organization: DNR - WPP Position: STM Biologist

0447_005_US

0447_005_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 #: 0447-006		Site Location Description:	
Site GPS Coordinates: 40.46038 -93.94542		E 175th ST BR	
Date & Time: 6/20/05 1050 hrs.		Facility Name:	
Personnel:		Permit Number:	
Current Weather Conditions: Clear		Weather Conditions for Past 7 days: Rain - Clear last 6 days	
Photo Ids: Upstream: 100-0044	Downstream: 100-0045	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 - Pasture land	

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 # 0447-006:

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☑ Run	Width (ft):	30'	Length (ft):	50'	Avg. Depth (ft):	0.2	Max. Depth (ft):	0.7'	
☑ Pool	Width (ft):	15'	Length (ft):	100'	Avg. Depth (ft):	0.5'	Max. Depth (ft):	2.0'	
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	<1 cfs			

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):	0.2'	Max. Depth (ft):	0.5'	
☑ Pool	Width (ft):	40'	Length (ft):	50'	Avg. Depth (ft):	1.0'	Max. Depth (ft):	>3.0'	
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	<1 cfs			

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

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

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

Algae Bloom

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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Organization: DNR - WPP Position: Stm Biologist

0447_006_US

0447_006_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 #: 0447-007	Site Location Description:
Site GPS Coordinates: 40.43225 -93.99956	E 195TH ST 3R
Date & Time: 6/20/05 1555 hrs.	Facility Name:
Personnel:	Permit Number:
Current Weather Conditions:	Weather Conditions for Past 7 days: Rain - Clear 1934 6 days
Photo Ids: Upstream: 100-0046 100-0001	Downstream: 100-0002 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 - pasture land	

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: WJ/PC				

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 #0447-007:

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): 40'	Length (ft): 300+'	Avg. Depth (ft): >2.0'	Max. Depth (ft): >3.0'	
☑ 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): 30'	Length (ft): 300+'	Avg. Depth (ft): >2.0'	Max. Depth (ft): >3.0'	
☑ Flow	Present? ☐ Yes ☑ No		Estimated (ft^3/sec):		

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

% Cobble	% Gravel	40	% Sand	40	% Silt	20	% Mud/Clay	% Bedrock

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

ALGAE BLOOMS

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.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

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

Signed: _____ **Date:** 6/20/05

Organization: DWR - WPP Position: Stm. Biologist

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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 #: 0447-008		Site Location Description: E FREEDOM RD ~~ROSE~~ BR	
Site GPS Coordinates: 40.39501 -93.96516			
Date & Time: 6/30/05 1625hrs.		Facility Name:	
Personnel: RD		Permit Number:	
Current Weather Conditions: Clear		Weather Conditions for Past 7 days: Rain - Clear last 6 days	
Photo Ids: Upstream: 100-0003	Downstream: 100-0004	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 - Crop/Pasture land	

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 # 0447-008:

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):	0.1'	Max. Depth (ft):	0.3'
☑ Pool	Width (ft):	30'	Length (ft):	100'	Avg. Depth (ft):	0.3'	Max. Depth (ft):	1.0'
☑ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1cfs		

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):	30'	Length (ft):	200'	Avg. Depth (ft):	0.3'	Max. Depth (ft):	1.0
☑ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1cfs		

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

% Cobble	% Gravel	50	% Sand	30	% Silt	20	% 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.

Signed: _____ **Date:** 6/20/05

Organization: DNR - WPP **Position:** Stm Biologist

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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 #: 0447-009		Site Location Description:	
Site GPS Coordinates: 40.37764 -93.97288		Hwy A SR	
Date & Time: 6/20/05 1650 hrs.		Facility Name:	
Personnel: JD		Permit Number:	
Current Weather Conditions: Clear		Weather Conditions for Past 7 days: Rain- Clear last 6 days	
Photo Ids: Upstream: 100-0005	Downstream: 100-0006	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 - Crop/Pasturelands	

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 # 04-47-009

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):	60'	Length (ft):	300+'	Avg. Depth (ft):	1'	Max. Depth (ft):	3.5'	
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	5-10 cfs			

Downstream View Physical Dimensions:

☑ Riffle	Width (ft):	6'	Length (ft):	40'	Avg. Depth (ft):	0.3'	Max. Depth (ft):	0.4'	
☐ Run	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☑ Pool	Width (ft):	45'	Length (ft):	100'	Avg. Depth (ft):	0.3	Max. Depth (ft):	1'	
☑ Flow	Present?	☑ Yes	☐ No		Estimated (ft^3/sec):	5-10 cfs			

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
10	30	10			

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.

Signed: _____ **Date:** 6/20/05

Organization: DWR - WQP Position: STM Biologist

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