Use Attainability Analysis

for

WBID 0707 Cow Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

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WATER PROTECTION PROGRAM

Field Data Sheets for Recreational Use Stream Surveys

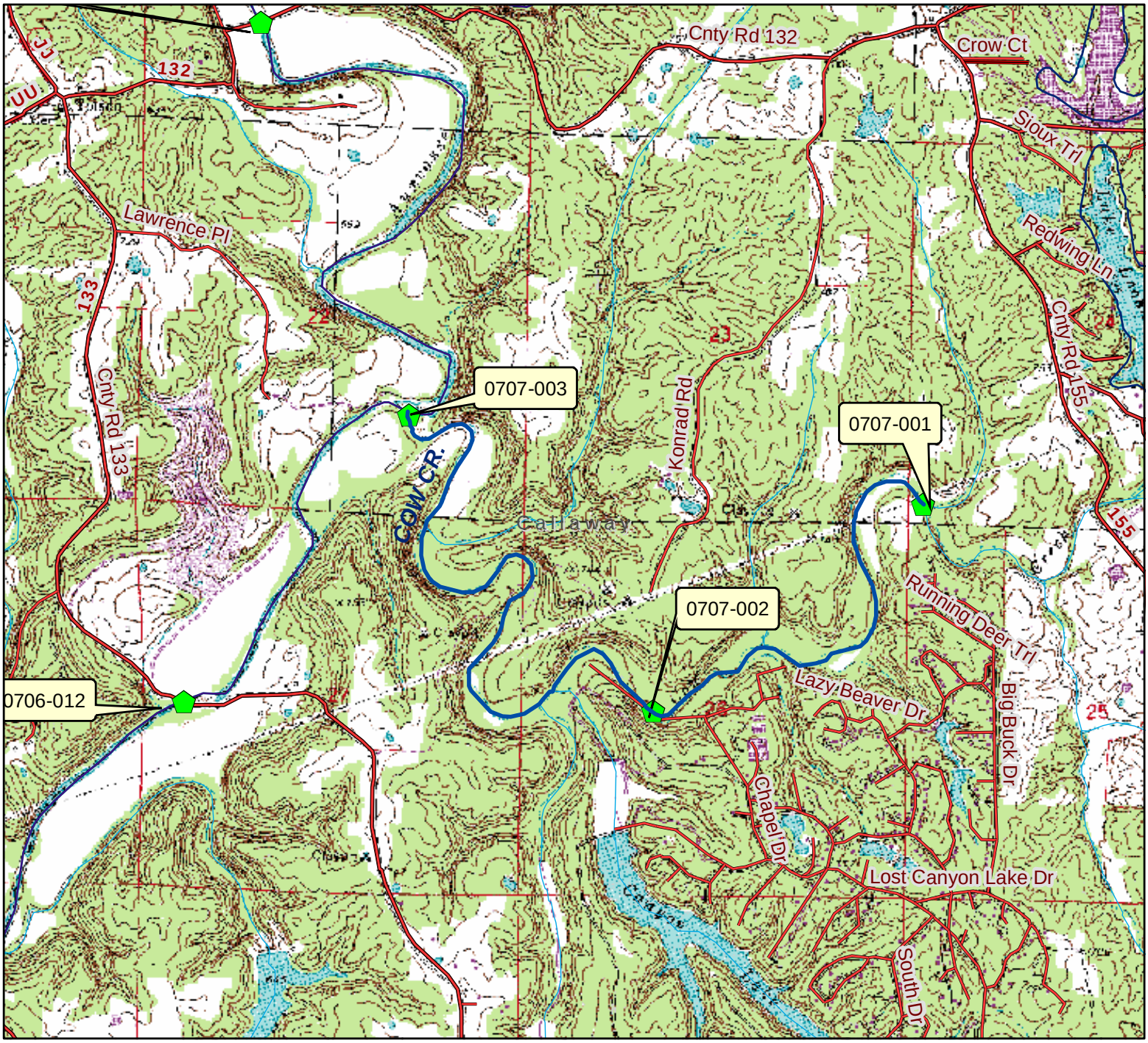
Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	Cow Creek
8-digit HUC:	10300102
Missouri WBID #:	0707
County:	Callaway
Upstream Legal Description:	38.82433 -91.76732
Downstream Legal Description:	38.81672 -91.79510
Upstream Coordinates:	
Downstream Coordinates:	
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	2 of 3
Name of Surveyor and Telephone Number:	R. Duchrow 573-751-6623
Organization:	Missouri Department of Natural Resources
Position:	Stream 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:** 7/11/05

Cow Creek (C) #0707 Callaway County
HUC 8 - 10300102



Classified Waterbodies

Roads

MUNICIPAL

N
W
E
S

0 0.25 0.5 1 Miles

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 #: 0707-001	Site Location Description:
Site GPS Coordinates: 38.82433 -91.76732	CO RD 155 BR (0.5mi US)
Date & Time: 7/11/05 1645hrs.	Facility Name:
Personnel: R. Duchrow	Permit Number:
Current Weather Conditions: Cloudy	Weather Conditions for Past 7 days: Clear
Photo Ids: Upstream: 100-0007 Downstream: 100-0008	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.)

Location of WBID site 0707-001 0.5 miles DS and inaccessible except by foot over private land. Survey taken @ closest crossing to site

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 - Wooded/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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Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 0707.001 **:** **Data Sheet B - Site Characterization**

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): 30'	Length (ft): 100'	Avg. Depth (ft): 0.7'	Max. Depth (ft): 1.5
☑ Flow	Present? ☐ Yes ☑ No		Estimated (ft^3/sec):	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft): 10'	Length (ft): 20'	Avg. Depth (ft): <0.1	Max. Depth (ft): 0.1
☐ 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%.)

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

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

CLOSE GROWTH ALGAE 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 ORGANIC JS	☐ 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:** 7/11/05

Organization: Missouri Department of Natural Resources Position: Stream Biologist

0707_001_upstream

0707_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 #: 0707-002	Site Location Description:
Site GPS Coordinates: 38.81672 - 91.79510	END OF CHAPEL BR (CROSSING)
Date & Time: 7/11/05 1740 hrs	Facility Name:
Personnel: R. Duchrow	Permit Number:
Current Weather Conditions: Cloudy w/ Light Rain	Weather Conditions for Past 7 days: Clear
Photo Ids: Upstream: 100-0009 Downstream: 100-0010	Other: SEE BELOW

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.)

PHOTO 100-0011 COW CREEK ROAD @ CROSSING 0707-002

PHOTO 100-0012 ROAD ACCESS TO STREAM CROSSING SURROUNDS AREA HAS HIGH RV CAMPING W/ HIKING, ETC. STREAM COULD HAVE AREAS W/ AT LEAST ADJACENT COVERAGE

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: Canyon Lost Lake Property - Wooded (WILDWOOD)	

Evidence of Human Use*:

☑ Roads (Bad)	☑ 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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Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 0707-002 **Data Sheet B - Site Characterization**

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): 20'	Length (ft): 50'	Avg. Depth (ft): 1'	Max. Depth (ft): 2.5'
☑ 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): 15'	Length (ft): 75'	Avg. Depth (ft): 0.3'	Max. Depth (ft): 0.6'
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): <1cfs	

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

60 % Cobble	30 % Gravel	10 % Sand	% Silt	% Mud/Clay	% Bedrock

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

NO NOTED

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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Organization: Missouri Department of Natural Resources Position: Stream Biologist

0707_002_upstream

0707_002_downstream

Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID #0707.003: Data Sheet B - Site Characterization

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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Organization: Missouri Department of Natural Resources Position: Stream Biologist

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 #: 0707-003	Site Location Description: ACCESSIBLE ONLY BY FOOT ACROSS PRIVATE PROPERTY	
Site GPS Coordinates:		
Date & Time: 7/11/05 1805	Facility Name:	
Personnel: R. Duchrow	Permit Number:	
Current Weather Conditions: Cloudy	Weather Conditions for Past 7 days:	
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.)

COULD NOT SURVEY

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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