Missouri
Department of
Natural Resources

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

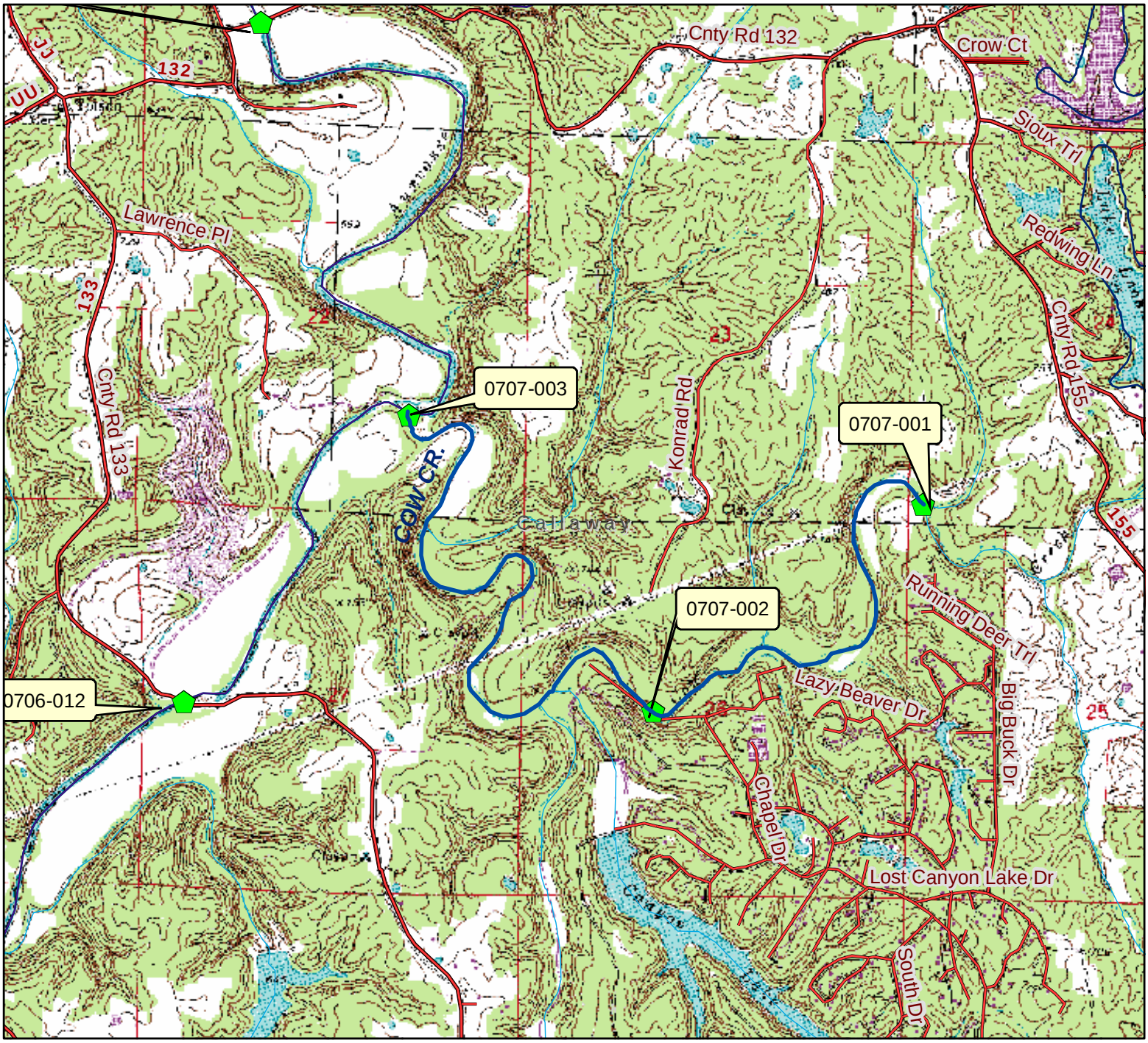
Data Sheet A - Water Body Identification

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)

*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.

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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Signed: _____ **Date:** 7/11/05

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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