Use Attainability Analysis

for

WBID 3237 Hudson Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Received June 13 2005 SMB

Field Data Sheets for Recreational Use Stream Surveys

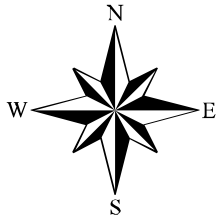
Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	or 3237 - Hudson Ck.
8-digit HUC:	11070207
Missouri WBID #:	3237
County:	Barry
Upstream Legal Description:	Sec 11, T25~~S~~N, R28W
Downstream Legal Description:	Sec 17, T25N, R28W
Upstream Coordinates: (UGS 84, ddd.ddddd)	
Downstream Coordinates: (UGS 84, ddd.ddddd)	
Discharger Facility Name(s):	~~Dairy Farmers of America~~ no discharge facility SMB
Discharger Permit Number(s):	~~MO-0128241~~ no discharge facility - SMB
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Anne Peery 573-526-1426
Organization:	DNR/WPP
Position:	Environmental Spec. 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: Anne Peery **Date:** 6/10/05

Hudson Creek (C) #3237 Barry County



Legend

Roads

Classified Waterbodies

Miles

0 0.375 0.75 1.5

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 #: 3237-001	Site Location Description: Rural, pasture on 3 sides, woods on 4th Rd ~~2062~~ 1052, bridge King
Site GPS Coordinates: 36.89219, -93.97147	
Date & Time: 840 6/10/05	Facility Name: ~~Dairy Farmers of America~~ SMB
Personnel: Anne Peery & Wayne Marsch	Permit Number: ~~MO-0128241~~ SMB
Current Weather Conditions: mostly sunny	Weather Conditions for Past 7 days: dry, few sprinkles
Photo Ids: Upstream: #~~1~~ 3 Downstream: #1 & 2	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: ~~Rural~~
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~~	

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 # 3237-001

Stream Morphology:

Upstream View Physical Dimensions: Stream dry in this view

☐ 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): 9 across stream	Length (ft): 3	Avg. Depth (ft): 6"	Max. Depth (ft): 10"
☐ Flow	Present? ☐ Yes ☑ No		Estimated (ft^3/sec):	

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

37	% Cobble	3	% Gravel		% Sand	5	% Silt	5	% Mud/Clay	50	% ~~Bedrock~~ riprap

U.S. - vegetated, no water, cannot see bottom

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

50% close growing algae in pool

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☑ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☑ Fine sediments in pool	☐ 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: Anne Peery **Date:** 6/10/05

Organization: DNR/WPP Position: ES III

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 #: 3237-002		Site Location Description: Low water bridge Rd 1040
Site GPS Coordinates: 36.88815, -93.99203		
Date & Time: 900 6/10/05		Facility Name: ~~Dairy Farmers of America~~ SMB
Personnel: Anne Peery & Wayne Marsch		Permit Number: ~~MO-0128244~~ SMB
Current Weather Conditions: partly cloudy		Weather Conditions for Past 7 days: dry, few sprinkles
Photo Ids: Upstream: #4	Downstream: 5,6,7,8	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: meadows, woods	

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 # 3237-002

Stream Morphology:

Upstream View Physical Dimensions:

☑ Riffle	Width (ft): 6	Length (ft): 18	Avg. Depth (ft): 2	Max. Depth (ft): 4
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Pool	Width (ft): 21	Length (ft): 80'	Avg. Depth (ft): can't tell	Max. Depth (ft): ~~2½~~
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): ~ 1	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft): 1½	Length (ft): 5	Avg. Depth (ft): 2	Max. Depth (ft): ?
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Pool	Width (ft): 16'	Length (ft): 40	Avg. Depth (ft): 2½	Max. Depth (ft): 5½-6'
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec):	

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

80	% Cobble	10	% Gravel	5	% Sand		% Silt	% Mud/Clay	5 % Bedrock

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

100% close growing algae
~~so~~ Some filamentous algae in u.s. riffle

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☑ Green gray-green	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☐ None	☑ Other: duck weed

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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 #: 3237-003		Site Location Description: Hwy 97 bridge
Site GPS Coordinates: 36.88277, -93.01239		
Date & Time: 9:30 6/10/05		Facility Name: ~~Dairy Farmers of America~~ SMB
Personnel: Anne Peery & Wayne Maresch		Permit Number: ~~MO-0128244~~ SMB
Current Weather Conditions: mostly cloudy		Weather Conditions for Past 7 days: dry, some sprinkles
Photo Ids: Upstream: 9 & 10	Downstream: 11, 12, 13	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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Page Two – Data Sheet B for WBID # 3237-003

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Run	Width (ft): 18	Length (ft): 100+	Avg. Depth (ft): 1½	Max. Depth (ft): 2½
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): ~1 ft³/sec	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft): 6'	Length (ft): 3'	Avg. Depth (ft): 2"	Max. Depth (ft): –
☑ Run	Width (ft): 8-3'	Length (ft): 40'	Avg. Depth (ft): 8"	Max. Depth (ft): 1'
☑ Pool	Width (ft): 30'	Length (ft): 50'	Avg. Depth (ft): beyond trees	Max. Depth (ft): cannot even guess
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec):	

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

40 % Cobble	60 % Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock

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

Close growing algae (100%)

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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3237_001_US

3237_001_DS

3237_001_DS

3237_001_DS

3237_002_DS

3237_002_DS

3237_002_DS

3237_002_DS

3237_003_US

3237_003_US

3237_003_DS

3237_003_US

3237_003_DS