Use Attainability Analysis

for

WBID 1307 Gilum 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

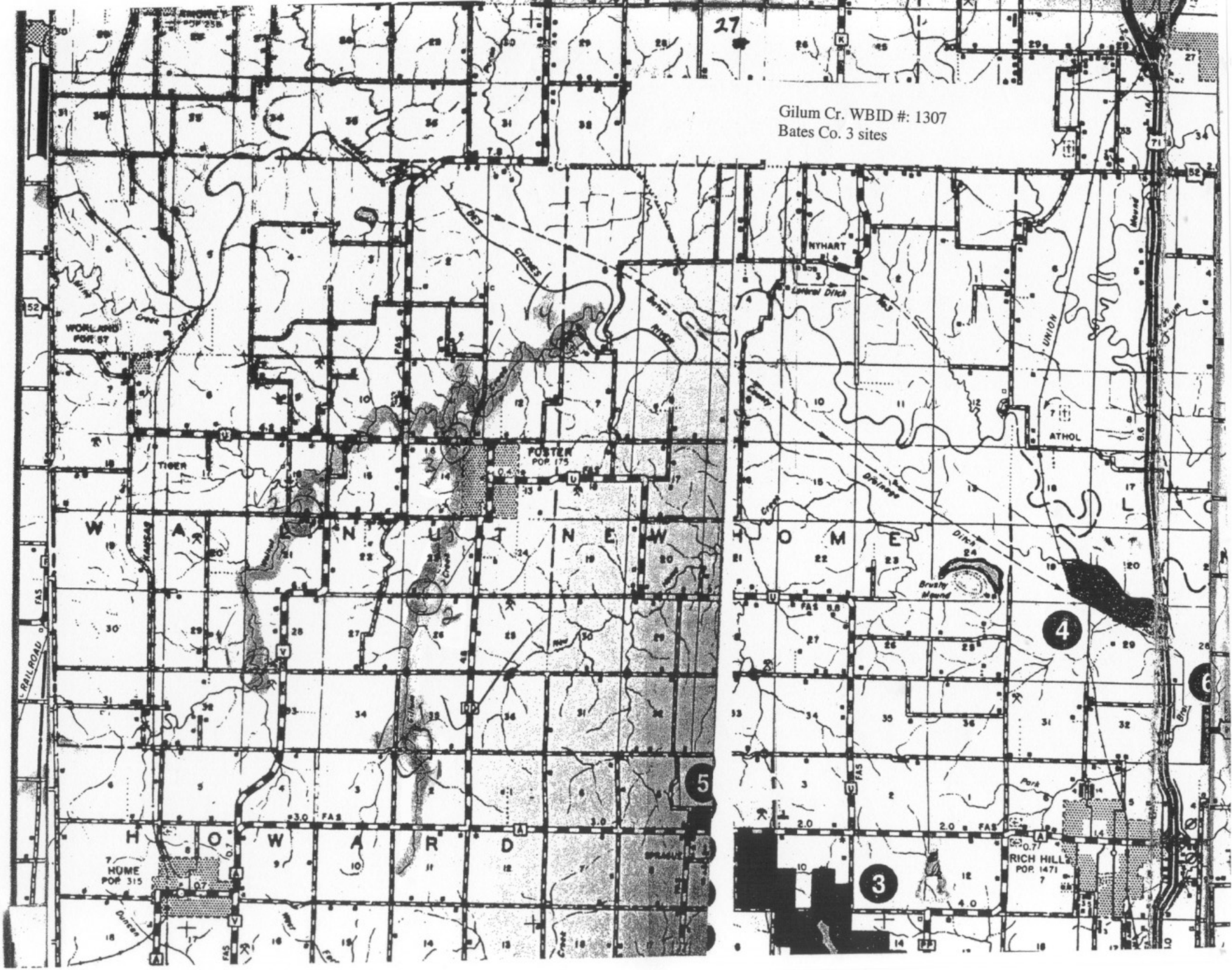
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	Gilum Cr.
8-digit HUC:	10290102
Missouri WBID #:	1307
County:	Bates
Upstream Legal Description:	S 35 T 39 N R 33 W
Downstream Legal Description:	S 14 T 39 N R 33 W
Upstream Coordinates:	38.11609 N 94.52734 W
Downstream Coordinates:	38.17376 N 94.51980 N
Discharger Facility Name(s):	—
Discharger Permit Number(s):	—
Number of Sites Evaluated:	(3)
Name of Surveyor and Telephone Number:	Craig Chatfield & Aaron Woods 622-7095
Organization:	MoDNR
Position:	Soil Scientists

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

Signed: Craig Chatfield & Aaron Woods **Date:** 6/21/05


Gilum Cr. WBID #: 1307
Bates Co. 3 sites
NYHART
Lateral Ditch
WORLAND
POP. 57
TIGER
FOSTER
POP. 175
ATHOL
UNION
Drainage
Ditch
Brushy Mound
W A L N U T N E W H O M E
H O W A R D
HOME
POP. 315
RICH HILL
POP. 1471
RAILROAD
FAS
4
5
3
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 #: 1307 - 01	Site Location Description: Gilum Cr
Site GPS Coordinates: 38.11609 N 94.52734 W	
Date & Time: 6/21/05 @ 8:28 AM	Facility Name: —
Personnel: Craig Chatfield & Aaron Woods	Permit Number: —
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: Sunny
Photo Ids: Upstream: WBD1307-01 Downstream: WBD1307-01 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: Fencing - Cattle WBD1307-01				

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) Attached

*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

Data Sheet B - Site Characterization

Page Two – WBID # 1307 **:**

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): 10'	Avg. Depth (ft): 8"	Max. Depth (ft): 10"
☐ 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): 12'	Length (ft): 10'	Avg. Depth (ft): 7"	Max. Depth (ft): 8"
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
	20		80		

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: Murky
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: Cy P Chilid & Aron Wolke **Date:** 6/21/05

Organization: MoDNR Position: Soil scientists

1307_01_US

1307_01_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 #: 1307 -02	Site Location Description:
Site GPS Coordinates: 38.14494 N 94.58584 W	Gilum CR.
Date & Time: 6/21/05 8:55 AM	Facility Name: —
Personnel: Craig Chatfield & Aaron woods	Permit Number: —
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: Sunny
Photo Ids: Upstream: WBU1307-02 Downstream: WBD1307-02	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: Cattle guard				

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) Attached

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two – WBID # 1307:

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): 25'	Avg. Depth (ft): 1'	Max. Depth (ft): 1' 3"
☐ 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): 15'	Avg. Depth (ft): 9"	Max. Depth (ft): 1"
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

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

% Cobble	10 % Gravel	% Sand	90 % Silt	% Mud/Clay	% Bedrock

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

SWAMP WEED (SMART)
WBD1307-02

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: Murky
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: Cy Y. Chifed & Ann Walker **Date:** 6/21/05

Organization: MO DNR SWCP Position: soil scientists

1307_02_US

1307_02_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 #: 1307-03	Site Location Description: Gilom CR
Site GPS Coordinates: N38.17376 94.51980W	
Date & Time: 6/21/05 @ 9:15 AM	Facility Name: —
Personnel: Craig Chatfield & Aaron Woods	Permit Number:
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: Sunny
Photo Ids: Upstream: WBD1307-03 Downstream: WBD1307-03	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: NONE				

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) Attached

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two – WBID # 1307 :

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 15'	Length (ft): 15'	Avg. Depth (ft): 5"	Max. Depth (ft): 8"
☐ 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): 25'	Length (ft): 25'	Avg. Depth (ft): 1' 5"	Max. Depth (ft): 2' 4"
☐ 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%.)

10 % Cobble	50 % Gravel	% Sand	40 % Silt	% Mud/Clay	% Bedrock

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

NONE (40% Algae growth).

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: Murky
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:** 6/21/05

Organization: MoDNR SWCP Position: Soil scientists

1307_03_US

1307_03_DS