Sugar Branch (1029 & 1030)

Use Attainability Analysis

Boone County Regional Sewer District
1314 North 7th Street
Columbia, MO 65201-3902

Prepared by

Barr Engineering Company

July 2005

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BARR

Barr Engineering Company
3236 Emerald Lane
Jefferson City, MO 65109
Phone: (573) 636-5331
Fax: (573) 636-5323

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WATER PROTECTION PROGRAM

Field Data Sheets for Recreational Use Stream Surveys

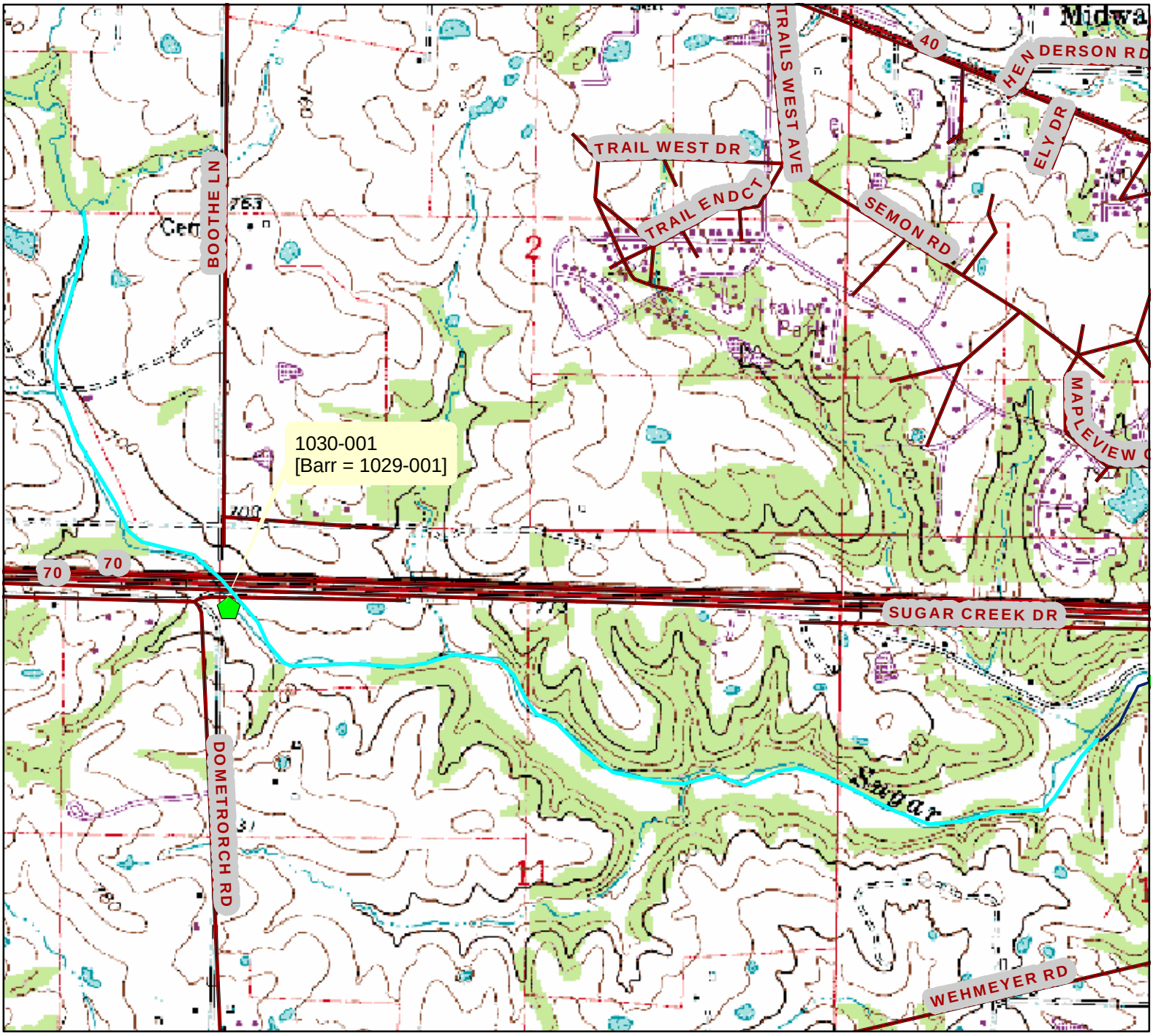
Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Sugar Branch
8-digit HUC: 10300102
Missouri WBID #: 1029 and 1030
County: Boone
Upstream Legal Description: Interstate Highway 70 Crossing (NE 1/4 Section 10, T48N, R14W)
Downstream Legal Description: Mouth (in SE 1/4 Section 18, T48N, R13W)
Upstream Coordinates: UTM (Z15N) 545250E; 4313873N
Downstream Coordinates: UTM (Z15N) 549896E; 4310607N
Discharger Facility Name(s): Boone County Regional Sewer District-Rollingwood Subdivision Plt 2, Permit # MO0038806 Boone County Regional Sewer District-Trails West Subdivision, Permit # MO0092002 Total Restoration Company, Permit # MO0124711
Discharger Permit Number(s): See Above.
Number of Sites Evaluated: 4
Name of Surveyor and Telephone Number: Alan Fandrey (573-638-5013)
Organization: Barr Engineering Company
Position: Civil Engineer

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

Signed: Alan Fandrey **Date:** June 29, 2005

Sugar Branch (C) #1030 Boone County
HUC 8 = 10300102



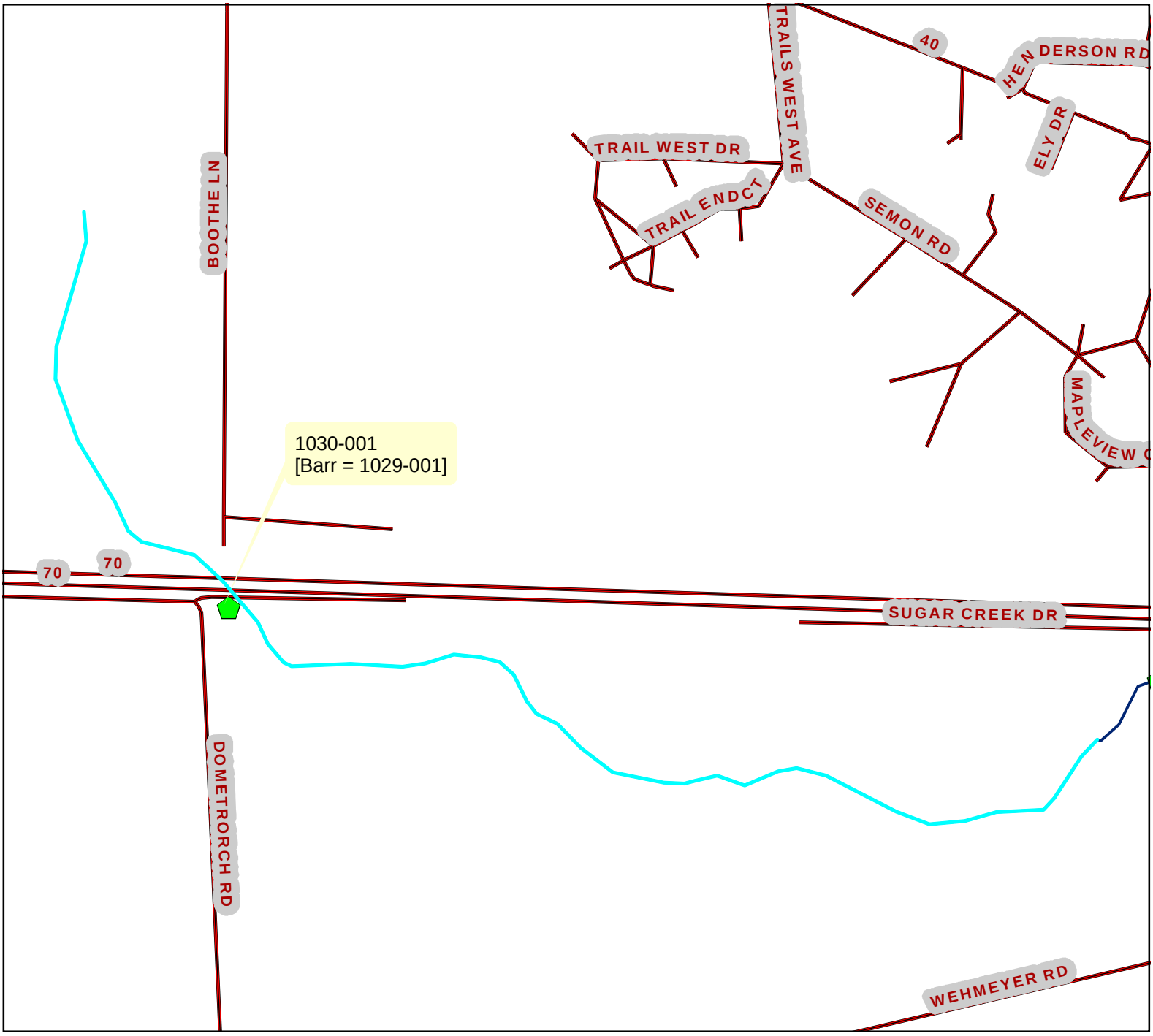
Legend

- Roads
- Classified Waterbodies
- Counties

N
W
E
S

0 0.3 0.6 1.2 Miles

Sugar Branch (C) #1030 Boone County
HUC 8 = 10300102



Legend

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0 0.3 0.6 1.2 Miles

Sugar Branch (C) #1030 Boone County
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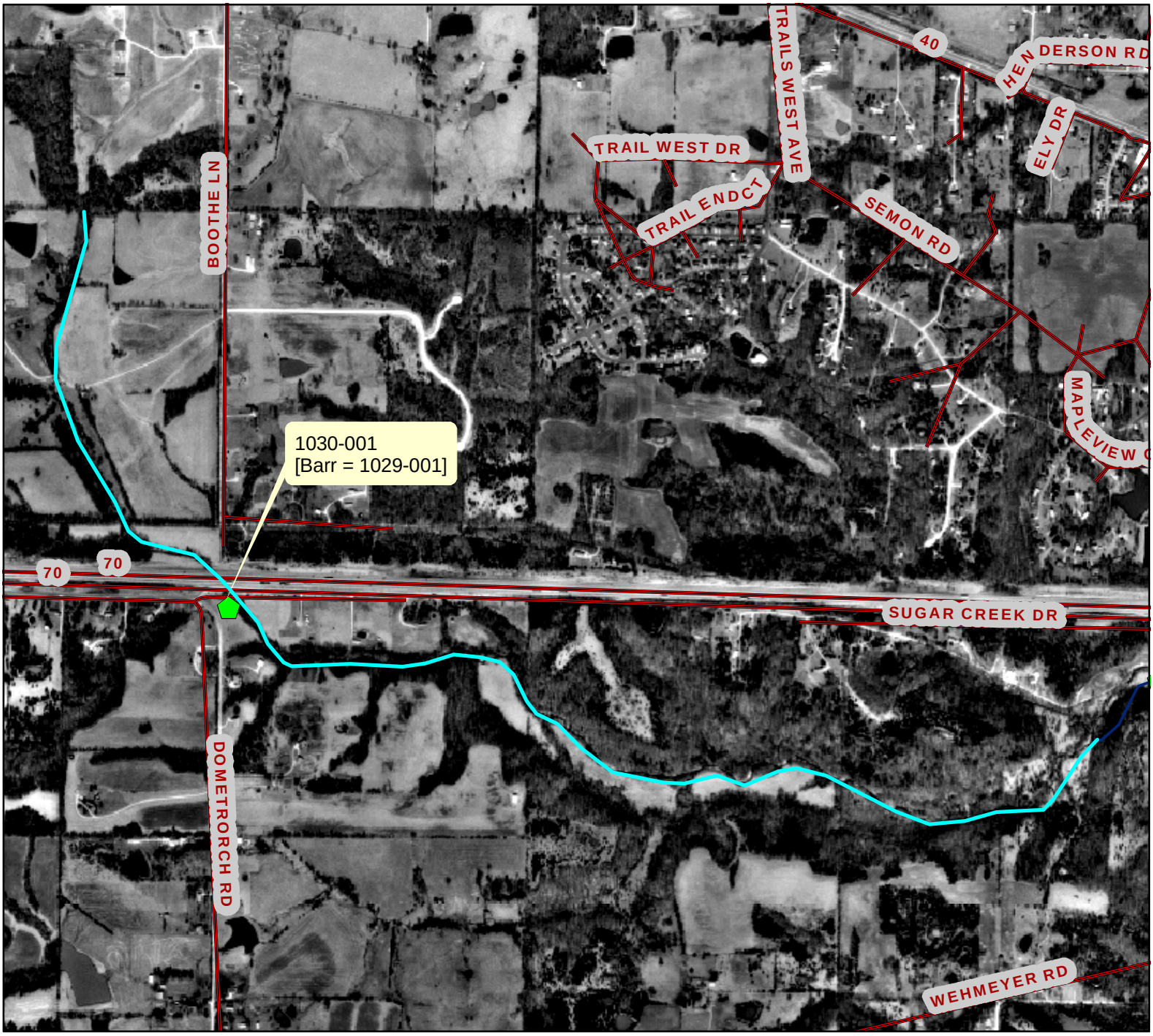

Legend

- Roads
- Classified Waterbodies
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N
W E
S

0 0.3 0.6 1.2 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 #: 10~~29~~30-001		Site Location Description: Sugar Branch at crossing of South I-70 Outer road (in NE ¼ Section 10, T48N, R14W; BID 26 – Boone County
Site GPS Coordinates: 545250E; 4313873N		
Date & Time: 05/27/05 - 8:20 a.m.		Facility Name: See Table 2
Personnel: Tim J. Fandrey		Permit Number: See Table 2
Current Weather Conditions: Clear - 70s		Weather Conditions for Past 7 days: Last rain on May 22
Photo Ids: Upstream: 1029-001US	Downstream: 1029-001DS	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)

*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 #1030-001: **Data Sheet B - Site Characterization**

Stream Morphology:

Upstream View Physical Dimensions:

☒ Riffle	Width (ft): 0.5	Length (ft): 3.0	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): < 0.1	

Downstream View Physical Dimensions:

☒ Riffle	Width (ft): 0.7	Length (ft): 2.0	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): Same as above	

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

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

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:
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: Alex Fang **Date:** May 27, 2005

Organization: Barr Engineering Company Position: Engineer

Photo ID 1030-001US: Upstream (Sugar Branch)

Photo ID 1030-001DS: Downstream (Sugar Branch)

Photo ID 1029-002US: Upstream (Sugar Branch)

Photo ID 1029-002DS: Downstream (Sugar Branch)

Photo ID 1029-003US: Upstream (Sugar Branch)

Photo ID 1029-003DS: Downstream (Sugar Branch)

Photo ID 1029-004US: Upstream (Sugar Branch)

Photo ID 1029-004DS: Downstream (Sugar Branch)