# Use Attainability Analysis

for

WBID 3251Big Sugar Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Date Received: July 25, 2005

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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): | Big Sugar Creek |
| 8-digit HUC: | 11070208 |
| Missouri WBID #: | 3251 |
| County: | Barry |
| Upstream Legal Description: | 20,21N,28W |
| Downstream Legal Description: | 27,21N,28W |
| Upstream Coordinates: | 411390E 4041660N |
| Downstream Coordinates: | 406350E 4041195N |
| Discharger Facility Name(s): | |
| Discharger Permit Number(s): | |
| Number of Sites Evaluated: | 3 |
| Name of Surveyor and Telephone Number: | Jeff Woodward (417)888-4029 |
| Organization: | DNR SWCP |
| Position: | Soil Scientist 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:**_____ **Date:** 6/23/05 AP

# 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 #: 3251 | | Site Location Description: Along State HWY DD SE SW 20, T21N, R28W |
| Site GPS Coordinates: 411390E 4041660N | | |
| Date & Time: 6-23-05 12:25PM | | Facility Name: N/A |
| Personnel: Jeff Woodward | | Permit Number: N/A |
| Current Weather Conditions: 78 Sunny | | Weather Conditions for Past 7 days: Hot and Sunny |
| Photo Ids: Upstream: wbu3251-01 | Downstream: wbd3251-01 | Other: N/A |

**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

### Data Sheet B - Site Characterization

**Page Two – WBID #325101:**

**Stream Morphology:**

**Upstream View Physical Dimensions:**

| | | | | |
|---|---|---|---|---|
| ☐ Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| ☒ Run | Width (ft): 10 | Length (ft): 75 | Avg. Depth (ft): 1 | Max. Depth (ft): 2 |
| ☐ Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| ☒ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): 2 | |

**Downstream View Physical Dimensions:**

| | | | | |
|---|---|---|---|---|
| ☒ Riffle | Width (ft): 15 | Length (ft): 50 | Avg. Depth (ft): .5 | Max. Depth (ft): 2 |
| ☐ 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): 2 | |

**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)

Algea on rocks and Water Cress

**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.

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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:** [signature] **Date:** 6-23-05

Organization: MODNR-SWCP Position: Soil Scientist III

WBID 3251 –Downstream #1

WBID 3251 –Upstream #1

## 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 #: 3251-02 | | Site Location Description: Bridge crossing Creek on County Road 1050 NE, NE, 25, T.21N. R.28W. |
| Site GPS Coordinates: 409190E 4041585N | | |
| Date & Time: 6-23-05 12:37PM | | Facility Name: N/A |
| Personnel: Jeff Woodward | | Permit Number: N/A |
| Current Weather Conditions: 82 Sunny | | Weather Conditions for Past 7 days: Hot and Sunny |
| Photo Ids: Upstream: wbu3251-02 | Downstream: wbd3251-02 | Other: N/A |

**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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## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

**Page Two – WBID #325102:**

**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%.)

| 25% Cobble | 75% Gravel | % Sand | % Silt | % 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: DRY |
| 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 stop was Dry.

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**Signed:** [signature] **Date:** 6-23-05

Organization: MoDNR SWCP Position: Soil Scientist III

WBID 3251 –Downstream #2

WBID 3251 –Upstream #2

## 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 #: 3251-03 | | Site Location Description: Bridge crossing Creek on County Road 2295 SW, NW, 26, T.21N. R.28W. |
| Site GPS Coordinates: 406350E 4041195N | | |
| Date & Time: 6-23-05 12:48PM | | Facility Name: N/A |
| Personnel: Jeff Woodward | | Permit Number: N/A |
| Current Weather Conditions: 81 Sunny | | Weather Conditions for Past 7 days: Hot and Sunny |
| Photo Ids: Upstream: wbu3251-03 | Downstream: wbd3251-03 | Other: N/A |

**Uses Observed*:**

| | | | | |
|---|---|---|---|---|
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting |
| ☐ Hunting | ☐ Trapping | ☒ Fishing | ☐ None of the above | ☒ Other: Bathing |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)
1 person fishing, No Pictures Found bottle of bath soap laying along stream bank

**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: Bath Soap | | | | |

**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

### Data Sheet B - Site Characterization

**Page Two – WBID #325102:**

**Stream Morphology:**

**Upstream View Physical Dimensions:**

| | | | | |
|---|---|---|---|---|
| ☐ Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| ☒ Run | Width (ft): 60 | Length (ft): 200 | Avg. Depth (ft): 2 | Max. Depth (ft): 4 |
| ☐ Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| ☒ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): 2 | |

**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): 60 | Length (ft): 100 | Avg. Depth (ft): 4 | Max. Depth (ft): 8 |
| ☒ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): 2 | |

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

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

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

Algea on Rocks and Water Cress

**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.

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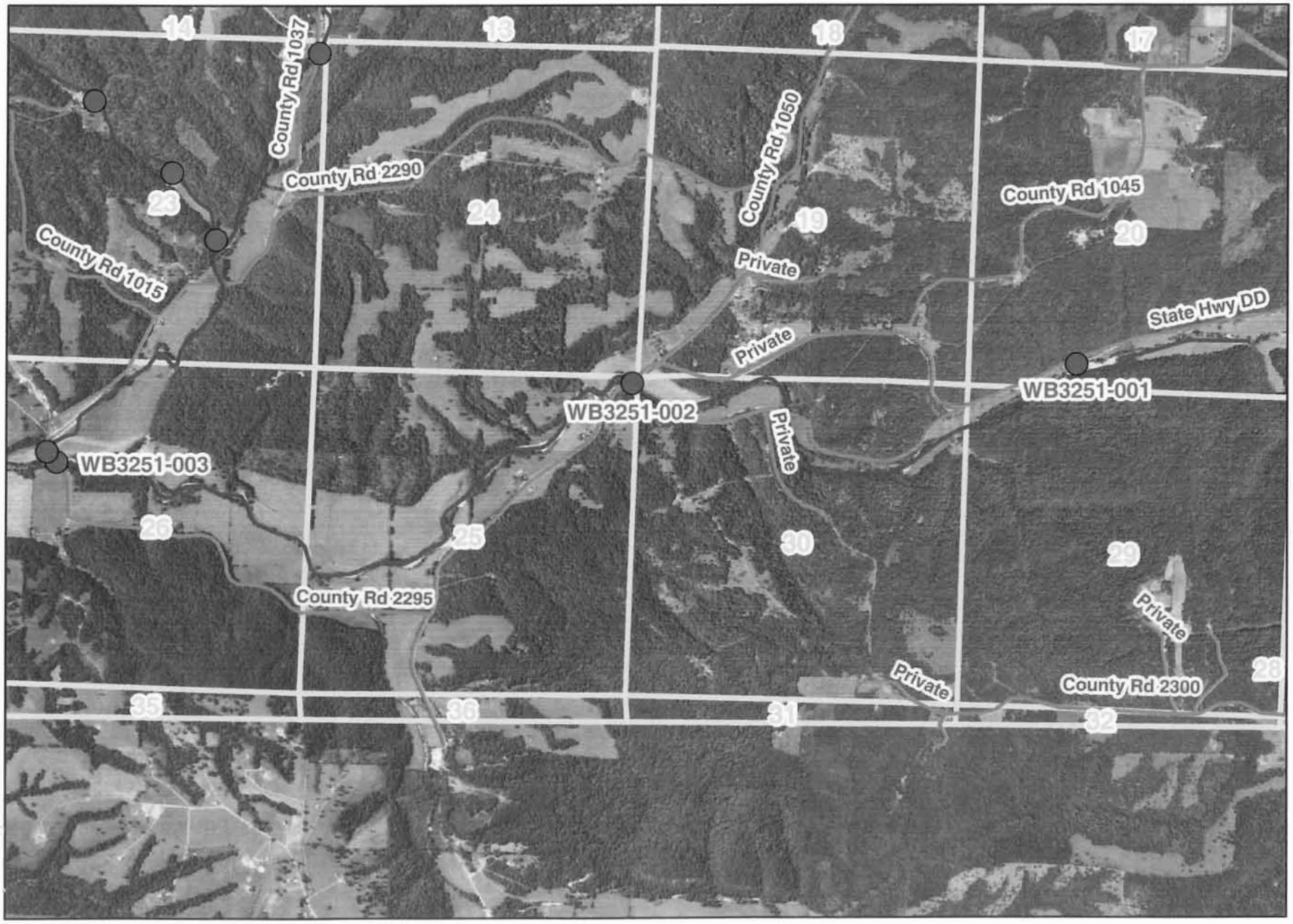
**Signed:** [signature] **Date:** 6-23-05

Organization: MDDNR – SWCP Position: Soil Scientist III

WBID 3251 –Downstream #3

WBID 3251 –Upstream #3

# Big Sugar Cr. (WB3251)
# Barry County, Missouri