# Use Attainability Analysis

for

WBID 0922 Little Blackwater Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Date Received: July 18, 2005

## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet A - Water Body Identification

| | |
|---|---|
| Water Body Name (from USGS 7.5' quad): | Little Blackwater Creek |
| 8-digit HUC: | 10300104 |
| Missouri WBID #: | [illegible] |
| County: Johnson | |
| Upstream Legal Description: | Sec 36 T47N R28W |
| Downstream Legal Description: | Sec 17 T46N R26W |
| Upstream Coordinates: | 416712 4298277 |
| Downstream Coordinates: | 420602 4293244 |
| Discharger Facility Name(s): | |
| Discharger Permit Name(s): | |
| Number of Sites Evaluated: | 3 |
| Name of Surveyor and Telephone Number: | Greg Caldwell (573)-884-3494 |
| Organization: DNR | |
| Position: Soil Scientist III | |

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

**Signed:** [signature] **Date:** 6/15/05

## 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 #: 922 | Site Location Description: Brick Co. Rd. 400 |
| 18' Site GPS Coordinates: 4166669 4299002 | |
| Date & Time: 41.5105 | Facility Name: |
| Personnel: G.C. LB. | Permit Number: |
| Current Weather Conditions: Sunny | Weather Conditions for Past 7 days: |
| Photo Ids: Upstream: 922U1 Downstream: 922U1 | Other: — |

**Uses Observed*:** Need pix

| | | | | |
|---|---|---|---|---|
| ☐ 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.)

N/A

**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 #** 922 **:** #1

**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): 15 | Length (ft): 30 | Avg. Depth (ft): .5 | Max. Depth (ft): 1.0 |
| ☐ 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): 15 | Length (ft): 30 | Avg. Depth (ft): 1 | Max. Depth (ft): 1.25 |
| ☐ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): | |

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

| | | | | | |
|---|---|---|---|---|---|
| 20 % Cobble | 30 % Gravel | % Sand | % Silt | 50 % Mud/Clay | % Bedrock |

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

Smartweed

**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.

*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:** [illegible] **Date:** 10/15/05

Organization: MDNR **Position:** Soil Scientist

WBID 0922-Downstream #1

WBID 0922-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 #: 922 | | Site Location Description: |
| 9' Site GPS Coordinates: 418738 4295519 | | Bridge Co. Rd. 200 |
| Date & Time: 4/15/05 | | Facility Name: |
| Personnel: G.C. L.B. | | Permit Number: |
| Current Weather Conditions: Sunny | | Weather Conditions for Past 7 days: |
| Photo Ids: Upstream: 922U2 | Downstream: 922D2 | Other: |

**Uses Observed*:** Need pix

| | | | | |
|---|---|---|---|---|
| ☐ 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.)

N/A

**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)

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## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

**Page Two – WBID #** 922 ±1/2 **:**

**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): 150+ | Avg. Depth (ft): 1' | Max. Depth (ft): 1.75 |
| ☒ 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): 30 | Length (ft): 100+ | Avg. Depth (ft): 1' | Max. Depth (ft): 1.75 |
| ☒ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): | |

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

| | | | | | |
|---|---|---|---|---|---|
| 10 % Cobble | 20 % Gravel | % Sand | % Silt | 70 % Mud/Clay | % Bedrock |

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

Smart weed (?)

**Water Characteristics*:** (Mark all that apply.)

| | | | | | |
|---|---|---|---|---|---|
| Odor: | ☐ Sewage | ☐ Musky | ☐ Chemical | ☒ None | ☐ Other: |
| Color: | ☐ Clear | ☐ Green | ☐ Gray | ☐ Milky | ☒ Other: muddy |
| 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:** [illegible] **Date:** 10/15/05

Organization: MDNR **Position:** Soil Scientist II

WBID 0922-Downstream #2

WBID 0922-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 #: 922 | Site Location Description: |
| 2A Site GPS Coordinates: 420613 4293210 | BRIDGE CO. RD 901 |
| Date & Time: 6/15/05 | Facility Name: |
| Personnel: G.C. L.B. | Permit Number: |
| Current Weather Conditions: Sunny | Weather Conditions for Past 7 days: |
| Photo Ids: Upstream: 922 U3 Mouth / 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.)

N/A

**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: Dumping | | | | |

**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 #** 922 #3**:**

**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): 50+ | Avg. Depth (ft): 1' | Max. Depth (ft): 1.5' |
| ☐ 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%.)

| | | | | | |
|---|---|---|---|---|---|
| 5 % Cobble | 5 % Gravel | % Sand | % Silt | 90 % Mud/Clay | % Bedrock |

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

N/A

**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.

MOUTH OF STREAM

*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:** [signature] **Date:** 6/15/05

Organization: MDNR **Position:** Soil Scientist II

WBID 0922-Upstream #3-mouth

Private
County Rd 475
Private
County Rd 1121
County Rd 1201
County Rd 400
County Rd 425
922-1
County Rd 1101
County Rd 1071
County Rd 1001
County Rd 1151
U.S. Hwy 50
State Hwy 30
Private
County Rd 375
Private
County Rd 871
Private
Private
Private
Private
922-2
County Rd 250
County Rd 1151
Private
County Rd 1051
County Rd 1111
County Rd 200
County Rd 901
County Rd 150
922-3
County Rd 1021
Private
County Rd 50
Private
Private
Brush