Missouri
Department of
Natural Resources

# Use Attainability Analysis

for

WBID 1864 Little Dry Fork

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

## Field Data Sheets for Recreational Use Stream Surveys

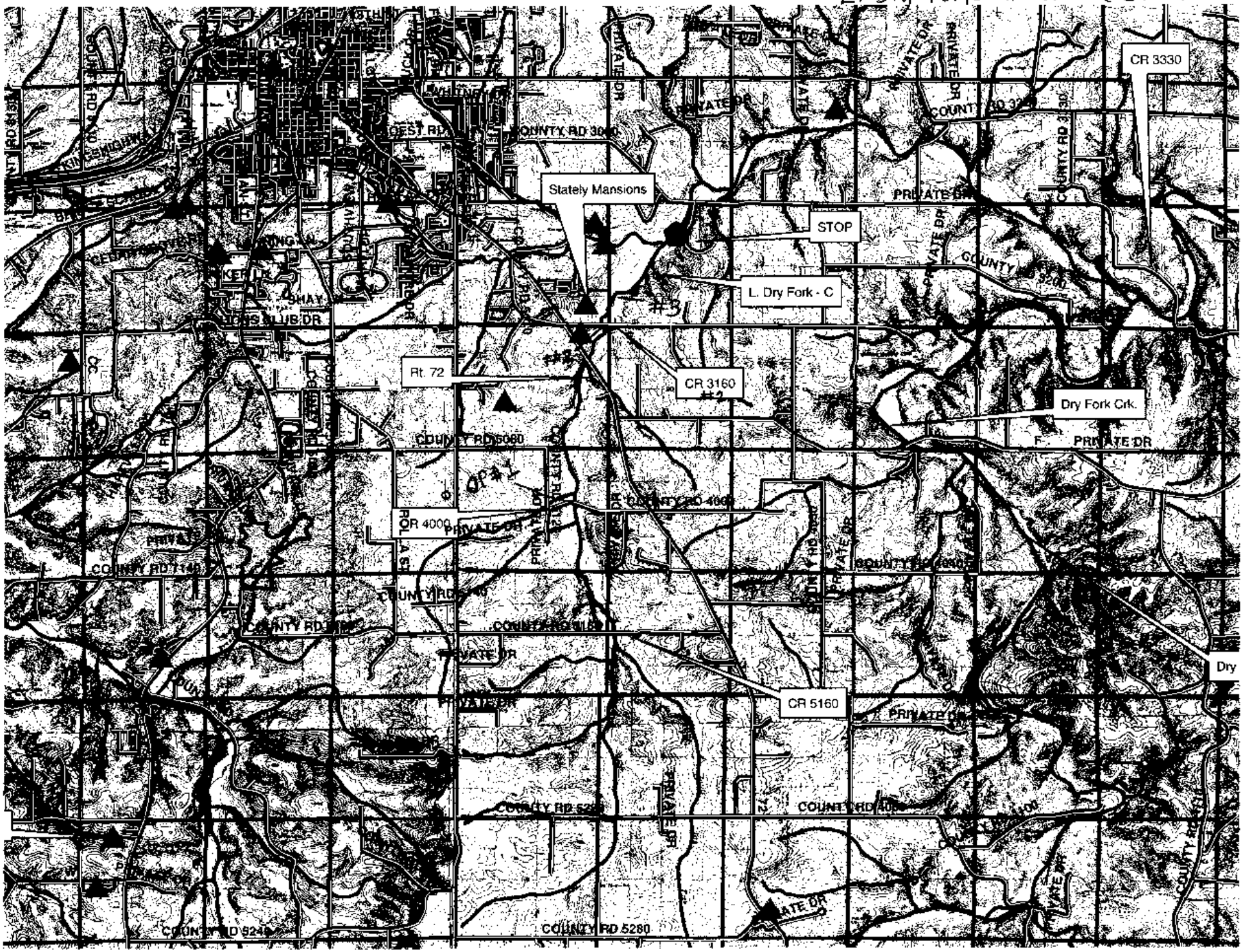
### Data Sheet A - Water Body Identification

| | |
|---|---|
| Water Body Name (from USGS 7.5' quad): | Little Dry Fork |
| 8-digit HUC: | 07140102 |
| Missouri WBID #: | 1864 |
| County: | Phelps |
| Upstream Legal Description: | NE 1/4, Sec. 30 T37N R7W |
| Downstream Legal Description: | SW 1/4, Sec. 17 T 37N R7W |
| Upstream Coordinates: | UTM 611523 4195781 |
| Downstream Coordinates: | UTM 612195 4198362 |
| Discharger Facility Name(s): | |
| Discharger Permit Number(s): | |
| Number of Sites Evaluated: | 3 |
| Name of Surveyor and Telephone Number: | Tucker Fredrickson (573) 526-4210 |
| Organization: | MDNR |
| Position: | Environmental Specialist |

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

**Signed:** Tucker Fredrickson **Date:** 5/16/05

L. Dry Fork # 1861 C-5 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 #: 1864 | Site Location Description: Bridge crossing County Road 4000 OP#1 |
| Site GPS Coordinates: 611523 4195781 | |
| Date & Time: 5/16/05 1:00PM | Facility Name: Little Dry Fork |
| Personnel: Tucker Fredrickson | Permit Number: |
| Current Weather Conditions: Sunny 65°F | Weather Conditions for Past 7 days: Approx. 2" rain |
| Photo Ids: Upstream: 29 Downstream: 30 | Other: High Temp Range - 80's |

**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.)

NA

**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: NA | |

**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.

Page Two – WBID # 1864:

## Data Sheet B - Site Characterization

### Stream Morphology:

**Upstream View Physical Dimensions:**

| | | | | |
|---|---|---|---|---|
| ☐ Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| ☒ Run | Width (ft): 25' | Length (ft): 25' | Avg. Depth (ft): 0.75' | Max. Depth (ft): 1.0' |
| ☐ 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): 25' | Length (ft): 30' | Avg. Depth (ft): 1.0' | Max. Depth (ft): 3' |
| ☐ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): | |

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

| | | | | | |
|---|---|---|---|---|---|
| 20 % Cobble | 10 % Gravel | 20 % Sand | % Silt | % Mud/Clay | 50 % Bedrock |

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

algae - 50% substrate coverage

**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.

Observed an 8" bass and other 6" sunfish

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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: Jude Friedrichsen Date: 5/16/05

Organization: MDNR Position: ES

Downed water gap across creek

1864_01_US

1864_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 #: 1864 | Site Location Description: Bridge crossing Co. Rd. 3160 OP # 2 |
| Site GPS Coordinates: 611919 4197958 | |
| Date & Time: 5/16/05 (1:20 PM) | Facility Name: Little Dry Fork |
| Personnel: Tucker Fredrickson | Permit Number: |
| Current Weather Conditions: Sunny 65°F | Weather Conditions for Past 7 days: Approx. 2" rain |
| Photo Ids: Upstream: 31 Downstream: 32 | Other: High Temp. Range – 80's |

**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.)

NA

**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: NA | |

**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: NA | | | | |

**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.

## Data Sheet B - Site Characterization

Page Two – WBID # 1864:

**Stream Morphology:**

**Upstream View Physical Dimensions:**

| | | | | |
|---|---|---|---|---|
| ☒ Riffle | Width (ft): 15 | Length (ft): 70 | Avg. Depth (ft): 0.25 | Max. Depth (ft): 0.5 |
| ☐ 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): 15 | Length (ft): 150 | Avg. Depth (ft): 0.5 | Max. Depth (ft): 0.75 |
| ☐ 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%.)

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

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

algae- 75% substrate coverage

**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.

Lots of woody debris under bridge, minnows observed

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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: Tucker Fredrickson Date: 5/16/05

Organization: MDNR Position: ES

1864_02_US

1864_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 #: 1864 | | Site Location Description: | |
| Site GPS Coordinates: 612195 4198362 | | OP #3 Downstream of Stately Mansions MNP Lagoon Discharge | |
| Date & Time: 5/16/05 2:15 PM | | Facility Name: Little Dry Fork | |
| Personnel: ~~612195~~ Tucker Frederickson ~~4198362~~ | | Permit Number: | |
| Current Weather Conditions: Sunny 65°F | | Weather Conditions for Past 7 days: Approx. 2" rain | |
| Photo Ids: Upstream: 33 | Downstream: 34 | Other: High Temp. Range: 80's | |

**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.)

NA

**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: NA | |

**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: NA | | | | |

**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.

## Data Sheet B - Site Characterization

Page Two – WBID # 1864:

### 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): 25' | Length (ft): 100' | Avg. Depth (ft): 0.75' | 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): 30 | Length (ft): 90 | Avg. Depth (ft): 0.75 | Max. Depth (ft): 1.5 |
| ☐ Flow | Present? ☒ Yes ☐ No | | Estimated ($ft^3$/sec): | |

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

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

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

algae- 75% substrate coverage

**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.

3" fish observed, dead dog carcass in creek (150' upstream)

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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: Jude Fredrickson Date: 5/16/05

Organization: MDNR Position: ES

1864_03_US

1864_03_DS