

Use Attainability Analysis

for

WBID 0500 Trib to West Fork Lost Creek

Submitted by
Tetra Tech, Inc

To

Missouri Department of Natural Resources
Water Protection Program

RECEIVED

APR 06 2005

WATER PROTECTION PROGRAM

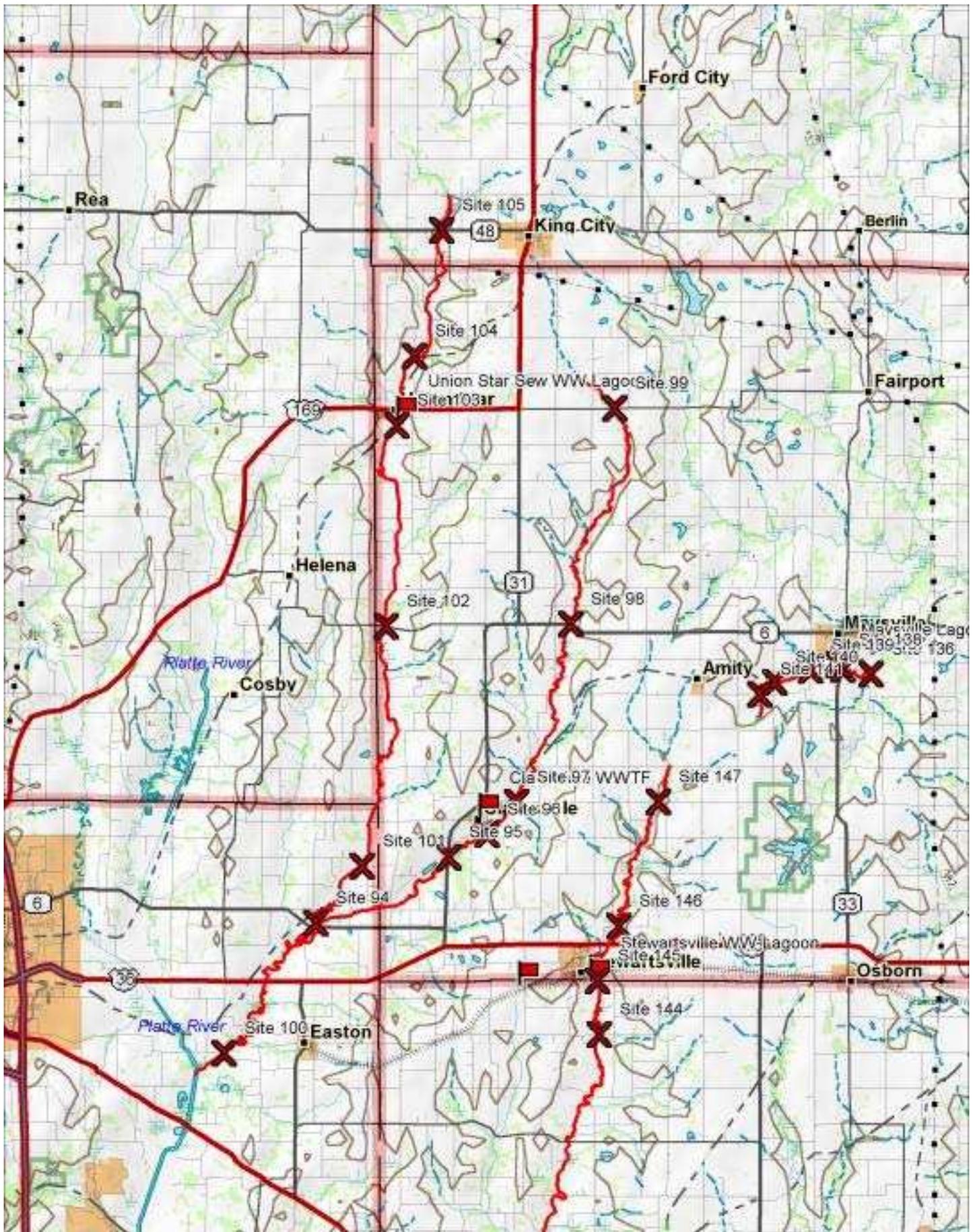
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad) TRIBUTARY TO WEST FORK LOST CREEK; 136-141
8-digit HUC: 10280101
Missouri WBID #: 0500
County: PLATTE
Upstream Legal Description:
Downstream Legal Description:
Upstream Coordinates: (UGS 84, ddd.ddddd) 39.86444 -094.40322
Downstream Coordinates: (UGS 84, ddd.ddddd) 39.87345 -094.34715
Discharger Facility Name(s): MAYSVILLE LAGOONS
Discharger Permit Number(s): MO-0041106
Number of Sites Evaluated: 6
Name of Surveyor and Telephone Number: ADAM RUTZ; 410-356-8993
Organization: TETRA TECH INC.
Position: ASSOCIATE SCIENTIST

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

Signed: Adam Rutz Date: 3/21/05



DeLORME

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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 #: <u>136</u>	Site Location Description: <u>BEFORE CONFLUENCE</u>	
Site GPS Coordinates: <u>39.873451 -94.34795</u>	<u>@ BRIDGE ON DIRT RD SE OF TOWN</u>	
Date & Time: <u>3-17-05 / 4:10pm</u>	Facility Name: <u>MAYSVILLE LAGOONS</u>	
Personnel: <u>AVR, AMB</u>	Permit Number:	
Current Weather Conditions: <u>SUNNY, 50'S</u>	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: <u>19 02 16 81A</u>	Downstream: <u>17 02 16 80A</u>	Other: <u>19 02 16 82 - TRASH IN CREEK</u>

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input checked="" type="checkbox"/> Trapping <u>AVR</u>	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

~~BEG IDEAS OF TRASH IN CREEK - AVR~~

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>TRASH</u>				

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.

Amman 3/17-05

1m 3s, 4s, 5s
1m
1m

Stream Morphology:

Upstream View Physical Dimensions: 0.1, 0.1, 1.1, 1.2

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>3m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.12m</u>	Max. Depth (ft): <u>0.25m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.25 m/s</u>	

Downstream View Physical Dimensions: 0.1, 2, 25, 12, 22

1m 4s, 4s, 4s
1m
1m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>3m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.18m</u>	Max. Depth (ft): <u>0.35m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.25 m/s</u>	

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

% Cobble	<u>0</u> % Gravel	<u>90</u> % Sand	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Adam Rettig Date: 3/17/05

Organization: TE-80 Position: SE.I

A. Wm. Hoke 3-17-05





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 #: 137	Site Location Description:
Site GPS Coordinates: 39 87671 / -094.36238	@ BRIDGE ON CORNER RD OUTSIDE OF TOWN
Date & Time: 3/17/05; 4:00pm	Facility Name: MAYSVILLE, MISSOURI
Personnel: AJR, AG	Permit Number:
Current Weather Conditions: SUNNY; WINDY; 50S	Weather Conditions for Past 7 days:
Photo Ids: Upstream: 16 or 1679A Downstream: 15 or 1678A Other:	

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input checked="" type="checkbox"/> Trapping AJR	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)
Assumed activities based on conditions & location. AJR

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> 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.

AJR 3-17-05

Stream Morphology:

Upstream View Physical Dimensions: .15, .1, .05, .08, .1

1m 5s
1m 5s
1m 4s

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>3m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.10m</u>	Max. Depth (ft): <u>0.15m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.21m/s</u>	

Downstream View Physical Dimensions: .2, .15, .1, .08, .05, .1

1m 5s, 6s, 6s
1m 1m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>4m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.11m</u>	Max. Depth (ft): <u>0.2m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.18m/s</u>	

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

% Cobble	% Gravel	<u>50</u>	% Sand	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Aldan Roth Date: 3/17/05

Organization: TE-RLT Position: SC. I.

Aldan Roth 3-17-05



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 #: <u>138</u>	Site Location Description:	
Site GPS Coordinates: <u>39, 87521 / -94, 36012</u>	@ BRIDGE WHERE JJ CROSSES	
Date & Time: <u>5-17-05 / 3:00pm</u>	Facility Name: <u>MAYVILLE LAGOONS</u>	
Personnel: <u>AVR, AMG</u>	Permit Number:	
Current Weather Conditions: <u>SUNNY, 50% WINDY</u>	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: <u>14 or 1677A</u>	Downstream: <u>13 or 1676A</u>	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input checked="" type="checkbox"/> Trapping — AVR	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Assumed activities based on location & conditions. AVR

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes — AMG	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> 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.

A. Marie [Signature]

AR

Stream Morphology:

Upstream View Physical Dimensions: .39, .51, .4, .35, .3, .1

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>6m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.34m</u>	Max. Depth (ft): <u>0.5m</u>
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): <u>none</u>	<u>too slow to measure</u>

Downstream View Physical Dimensions: .1, .3, .4, .3, .1

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>2m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.24m</u>	Max. Depth (ft): <u>0.4m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): <u>none</u>	<u>0.11 m/s</u>

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

% Cobble	% Gravel	<u>80</u> % Sand	% Silt	<u>20</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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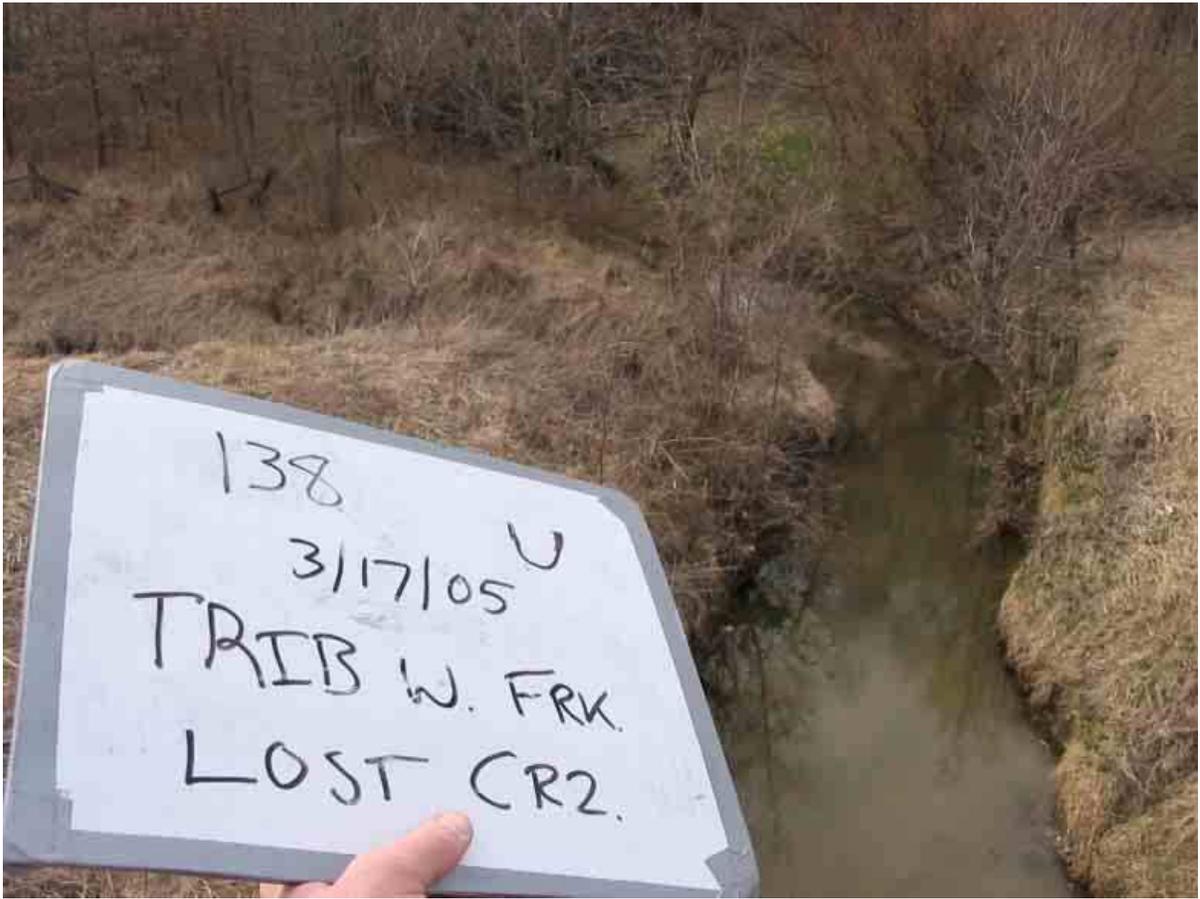
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Adam Petty Date: 3/17/05

Organization: TE-OR Position: Sec. I.

Adam Petty 3/17/05

AR



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 #: 133-REVIST		Site Location Description: ROUTE 33 OVERPASS.	
Site GPS Coordinates: N29.57471 W094.35974 A4:2542			
Date & Time: 07-03-18-05, 0330		Facility Name: MAVSVILLE LAGOONS	
Personnel: CHAD BARBER, JERRY ABBEON		Permit Number:	
Current Weather Conditions: 46°F, OVERCAST		Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 16R3 B	Downstream: 16R4 B	Other:	

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) AREA SURROUNDED BY FOREST & AGRICULTURE ON OUTSKIRTS OF MAVSVILLE.				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other: AGRICULTURE	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> 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.

JTR - 03-18-05

Stream Morphology:

Upstream View Physical Dimensions: 0.43, 0.36, 0.25, 0.77, 0.10m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 4m	Length (ft): 26m	Avg. Depth (ft): 0.26m	Max. Depth (ft): 0.43m
<input checked="" type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

Downstream View Physical Dimensions: 0.11, 0.32, 0.23, 0.14, 0.04m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 2.3m	Length (ft): 20m	Avg. Depth (ft): 0.18m	Max. Depth (ft): 0.32m
<input checked="" type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

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

% Cobble	5	% Gravel	20	% Sand		% Silt	75	% Mud/Clay		% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None

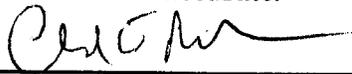
Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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:  Date: 03-18-05

Organization: TOTNA TECH INC. Position: ASSISTANT SCIENTIST

OTR-03-18-05



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Acc. 2/24/05

Missouri WBID #: 139	Site Location Description:	
Site GPS Coordinates: 39.874261 - 094.37696	① BRIDGE ON LAKE SIDER.	
Date & Time: 3-17-05 / 2:45pm	Facility Name: MAYSVILLE LAGOONS	
Personnel: AVR, AME	Permit Number:	
Current Weather Conditions: Sunny, w/ sky: 50%	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 12 OR 1675A	Downstream: 11 OR 1676A	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input checked="" type="checkbox"/> Hunting → AVR	<input checked="" type="checkbox"/> Trapping → AVR	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input type="checkbox"/> 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.)

<input checked="" type="checkbox"/> City/county parks AVR	<input type="checkbox"/> Playgrounds	<input checked="" type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> 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.

Andrew J. ... 3-17-05

Stream Morphology:

Upstream View Physical Dimensions: .25, .3, .2, .1, .1

1m 10s, 8s, 8s
1m 1m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>5m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.19m</u>	Max. Depth (ft): <u>0.3m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.12m/s</u>	

Downstream View Physical Dimensions: .05, .1, .15, .1, .05

1m 4s, 4s, 4s
1m 1m

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>1.5m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.09m</u>	Max. Depth (ft): <u>0.15m</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.25m/s</u>	

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

<u>10</u> % Cobble	% Gravel	<u>80</u> % Sand	% Silt	<u>10</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Grasses

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Adam Betty Date: 3/17/05

Organization: Tx-BCR Position: Sec. I.

Adam Betty 3-17-05



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 #: 140	Site Location Description:	
Site GPS Coordinates: 39.86922 / 094.39571	PAST ROAD CLOSED SEGMENT ON SW MAPLE RD.	
Date & Time: 3/17/05 / 2:35 pm	Facility Name: MARYSUILLE LAGOONS	
Personnel: MR, AMG	Permit Number:	
Current Weather Conditions: Sunny, Windy, 40's	Weather Conditions for Past 7 days:	
Photo Ids: Upstream:	Downstream:	Other: 10 OR 1072A- THIS MAY GO TO BE IT.

Uses Observed*:

<input checked="" type="checkbox"/> Swimming AVR	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input checked="" type="checkbox"/> Kayaking AVR	<input checked="" type="checkbox"/> Boating AVR	<input checked="" type="checkbox"/> Wading AVR	<input type="checkbox"/> Rafting
<input checked="" type="checkbox"/> Hunting AVR	<input checked="" type="checkbox"/> Trapping AVR	<input checked="" type="checkbox"/> Fishing AVR	<input type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

~~ASSUMED ACTIVITIES BASED ON LOCATION AND CONDITIONS. AVR~~

THIS SITE TURNED OUT TO BE A RESERVOIR THAT IS NOT ON THE MAP. (WELLEN BROOK LAKE)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input checked="" type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input checked="" type="checkbox"/> Boating accesses AVR	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: BEAR CLAW.				

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.

AK: *[Signature]* 3-17-05

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>150m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>?</u>	Max. Depth (ft): <u>10m (est)</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec):		

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>150m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>?</u>	Max. Depth (ft): <u>10m (est)</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec):		

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

REEDS; CATTAILS; ALGAE.

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Adrian Heltz Date: 3/17/05

Organization: FE-Dev Position: Sci. I.

Adrian Heltz 3-17-05



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 #: <u>141</u>	Site Location Description:	
Site GPS Coordinates: <u>39.86444 / -094.40322</u>	<u>off off Krumm Rd.</u>	
Date & Time: <u>3-17-05 / 2:00pm</u>	Facility Name: <u>MAYSVILLE WOODS</u>	
Personnel: <u>AVR, AMG</u>	Permit Number:	
Current Weather Conditions: <u>SUNNY, WINDY, 50°</u>	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: <u>7 or 1669A</u>	Downstream: <u>8 or 1670A</u>	Other: <u>9 or 1671A = CATTLE ACCESS + FENCE</u>

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input checked="" type="checkbox"/> Trapping <u>AVR</u>	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other: <u>Watering for cattle</u>

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Assumed activities based on conditions & location. AVR

OBVIOUS CATTLE ACCESS MAKES 1/20 UNDESIRABLE

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input checked="" type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <u>CATTLE ACCESS</u>				

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.

AVR *Make* *AVR*
3-17-05 *AVR*

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>2m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>0.8m est.</u>	Max. Depth (ft): <u>1m est.</u>
<input checked="" type="checkbox"/> Flow	Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>20m</u>	Length (ft): <u>20m</u>	Avg. Depth (ft): <u>1.5m est.</u>	Max. Depth (ft): <u>1.6m est.</u>
<input checked="" type="checkbox"/> Flow	Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

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

% Cobble	% Gravel	% Sand	% Silt	<u>100</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Algae & brass

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input checked="" type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input checked="" type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments ^{fine}	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input checked="" type="checkbox"/> Foam	<input type="checkbox"/> None	<input type="checkbox"/> 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: Adam Holt Date: 3/17/05

Organization: TE. Bar Position: Researcher I.

Adam Holt 3-17-05







"Cindy DiStefano"
<Cindy.DiStefano@mdc.mo.gov>
12/20/2007 10:43 AM

To "Donna Menown" <donna.menown@dnr.mo.gov>
John.Hoke@dnr.mo.gov, "Karen Bataille"
cc <Karen.Bataille@mdc.mo.gov>, "Robert Lawrence"
<Robert.Lawrence@mdc.mo.gov>
bcc
Subject Re: Info Request/ Cole Camp Ck/ Lost Crk Trib 2/ Flat Crk Trib 2

History: This message has been replied to.

Donna,

Here is the information that I have received so far.

TRIB TO WEST FORK OF LOST CK 2 (DeKalb Co.):

MDC Fisheries staff have observed kids fishing and wading/swimming in this stream at sites 137 & 138 on the south edge of Maysville. These observations were made since 2000, and may have been made in the last year or two.

I'll send more information as I receive it.

Cindy

>>> "Donna Menown" <donna.menown@dnr.mo.gov> 12/12/07 2:11 PM >>>
Thanks so much for sending your 12/6 e-mail and attachments (below). We had two questions regarding info MDC provided in the 8/24/05 John Hoskins letter to DNR, specifically on three creeks:

- Cole Camp Creek (WBID 3303) - "MDC staff observed the public swimming and wade fishing..."
- Trib. to Flat Creek 2 (WBID 3509) - "MDC staff observed the public swimming and wade fishing..."
- Trib. to West Fork of Lost Creek 2 (WBID 500) - "MDC staff observed the public swimming in this stream..."

QUESTION 1: LOCATIONS OF REPORTED USE?
The first question was about a more specific location of reported use (whole body recreation/secondary contact recreation). Since the 8/05 MDC letter included a spreadsheet with only the creeks' names, and did not specify a specific stretch, we needed to pin down that the use was reported within the classified segment (i.e., listed in Table H of the Water Quality Standards). And, in the case of Cole Camp Creek - which of the two classified segments water body identification number (WBID) 3303-the upper segment, or WBID 1113-the lower segment) was the use observed?

In your first attachment below ("Draft UAA comment e-mail.doc"), I found part of the answer to our first question. In the 3rd paragraph of this note to field staff, Karen directs staff to access DNR's UAA Web page and writes, "...you'll need to open the UAA to determine what segment of stream the UAA was conducted on and base your comments on that section of the stream only." Also, under

the 4th paragraph's second bullet, "If you have seen people swimming in the stream segment specified in the UAA..."

So I pulled the 2005 UAAs from our central file and determined if the entire UAA was done on the segment in question. We have more time and better mapping capability than we did during the 2005 UAA crunch, so are now better able to determine if the UAA included sites on an unclassified portion of the stream, or on the wrong segment (WBID) of the stream, or if they were actually done on the wrong stream altogether. I also checked our Web site (http://www.dnr.mo.gov/env/wpp/wqstandards/uaa/uaa_county.htm) to see which 2005 UAAs were posted, so would know which ones MDC staff reviewed.

QUESTION 2: TIME FRAME OF REPORTED USE?

In what time frame was the use observed? The rules for this topic only apply to uses observed on or after Nov. 28, 1975. Even if you could just report a general time frame -- something like, "The conservation agent [or MDC staffer] who witnessed these activities worked this area throughout the 1980s." or "The biologist who witnessed these activities worked on this creek from 1990-1993." Just so we have something in the record that confirms the use was observed on or after Nov. 28, 1975.

COLE CAMP CK (Benton Co.):

Q#1: Yes, the UAA posted on DNR's UAA Web site was conducted on the correct upper segment (WBID 3303 - as opposed to the downstream WBID 1113 (which was assigned WBCR in 2005). So Question #1 is answered for this creek. But....

Q#2: we still need a time frame before we can use the info.

TRIB TO FLAT CK 2 (Pettis Co.):

Q#1: Since the only 2005 UAA posted on DNR's Web site was one with all the sites on the correct classified segment. So Question #1 is answered for this creek. But....

Q#2: we still need a time frame before we can use the info.

TRIB TO WEST FORK OF LOST CK 2 (Platte Co.):

Q#1: This is more complicated. The maps provided to us in the 2005 UAAs did not include the existence of Willow Brook Lake (constructed in 1996 on Trib to West Fork of Lost Creek 2; stocked by MDC in 2000). We just created a new map using the 2005 UAA sites' coordinates and got the map attached below. As you can see, some of the sites were actually upstream of the dam. Since all classified lakes are assigned WBCR, what we need information on is the stream itself downstream of the dam. So, since the MDC comments mention the lake and the stream, we need to confirm that the uses observed were witnessed downstream

of where the current dam is located. That's what we need from you all.

Q#2: And still need a time frame.

Sorry this has taken a while, Cindy. I was out of the office Friday, the building was closed due to power outage Monday, and our network was down from yesterday afternoon until about an hour ago.

Since I am aware how much MDC's e-mail server changes our e-mails' font type and size, making it harder to read, I will also fax this to you.

Ideally we'd like this information by Dec. 21. Thank you all so much for your help.

Donna Menown
Total Maximum Daily Load (TMDL) Developer
Div. of Env. Quality/Water Protection Program
MO Dept. of Natural Resources, Jeff. City
(573) 526-1595; FAX [522-9920]
e-mail: donna.menown@dnr.mo.gov

----- Forwarded by Donna Menown/WPCP/DEQ/MODNR on 12/11/2007 01:22 PM

"Cindy DiStefano" <Cindy.DiStefano@mdc.mo.gov>
12/06/2007 10:25 AM

To
"Donna Menown" <donna.menown@dnr.mo.gov>
cc
"Karen Bataille" <Karen.Bataille@mdc.mo.gov>, "Robert Lawrence"
<Robert.Lawrence@mdc.mo.gov>
Subject
Information Request

Donna,

I have attached four files that contain the information that you requested. The ?Draft UAA comment email.doc? contains the instructions that Karen Bataille sent to staff. The ?KC region comments.doc? contains e-mail exchanges between Karen Bataille and Joe Bonneau with instructions and verification of the information. The ?UAACommentsKCRegion.xls? contains all of the information for the streams in the MDC Kansas City Region and the ?UAACommentsNWRRegion.xls? contains all of the information for the streams in the MDC Northwest Region.

Please look over these documents and let me know what information is missing for each stream segment. I want to be able to ask the proper questions to get the answers that you need.

Thanks,
Cindy

Cindy DiStefano
Resource Scientist - Environmental Health
Missouri Department of Conservation
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Columbia, MO 65201
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Cindy.DiStefano@mdc.mo.gov