Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 0956 Tributary to Willow Fork

Submitted by
Tetra Tech. Inc.

To
Missouri Department of Natural Resources
Water Protection Program

RECEIVED
2005 JUL 14 PM 2:47
WATER PROTECTION PROGRAM

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

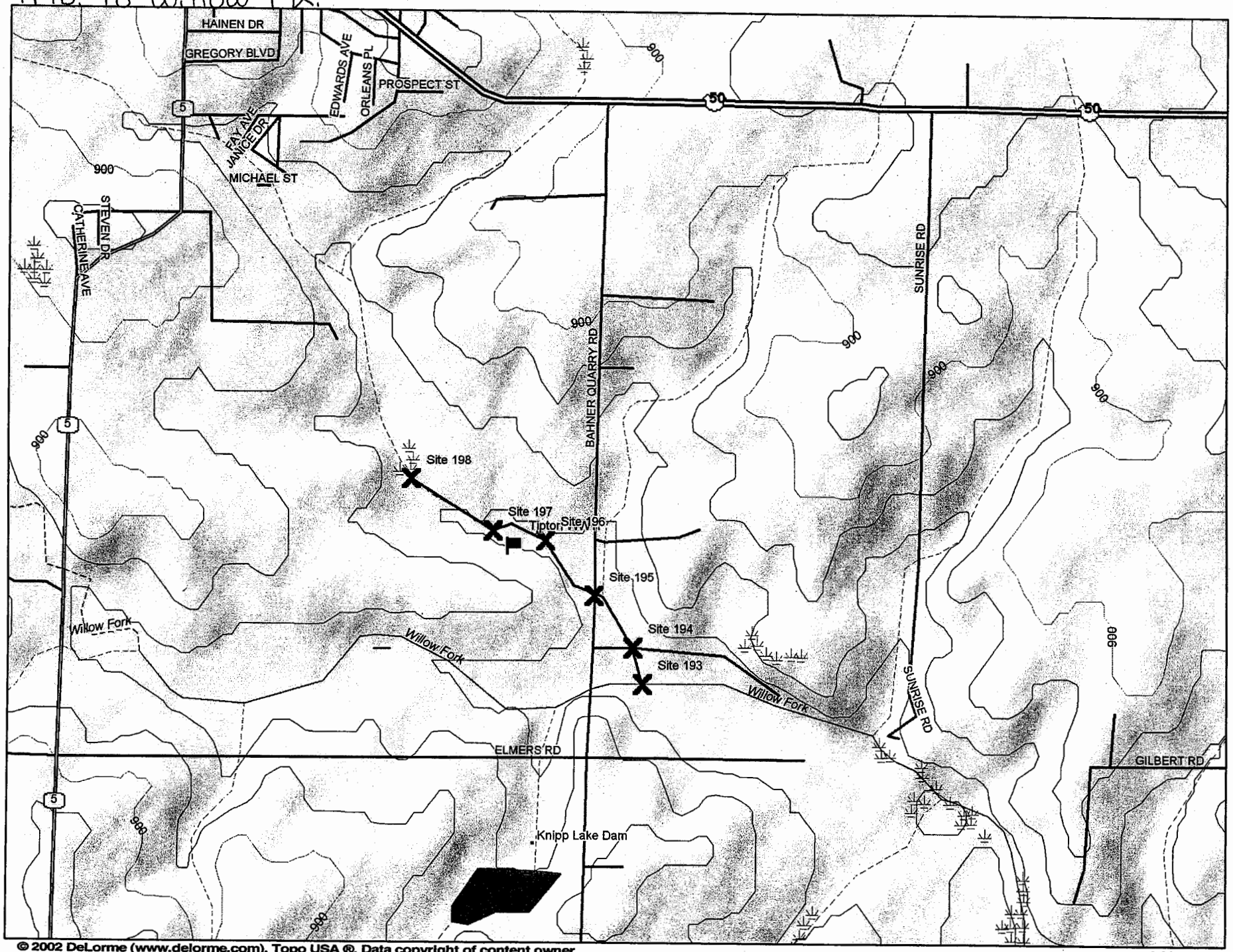
Water Body Name: (from USGS 7.5' quad)	Trib. to Willow FK
8-digit HUC:	10300102
Missouri WBID #:	0956
County:	Moniteau
Upstream Legal Description:	N/A
Downstream Legal Description:	N/A
Upstream Coordinates: (UGS 84, ddd.ddddd)	Site 198 ~~38.62711 N~~ ~~92.76370 W~~ dw 7/11 38.64596 N 92.78403 W
Downstream Coordinates: (UGS 84, ddd.ddddd)	Site 193 38.62711 N 92.76370 W
Discharger Facility Name(s):	Tipton WWTF
Discharger Permit Number(s):	N/A
Number of Sites Evaluated:	6
Name of Surveyor and Telephone Number:	DW, GB 410-356-8993
Organization:	Tetra Tech, Inc
Position:	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: Gareth Bull **Date:** 7/10/05

DW 7/10

Trib. to Willow Fk.



© 2002 DeLorme (www.delorme.com). Topo USA ®. Data copyright of content owner.

Scale: 1 : 19,200 Map Rotation: 0° Magnetic Declination: 2.2°E

1,000 ft

Sampling point @ meeting point w/ Willow Point Tributary

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

1931

Missouri WBID #: 0956	Site Location Description: Near Tributary Confluence
Site GPS Coordinates: 38.62711 N 92.76370 W	Near Barker Quarry Road (1st bridge) (upstream) BUT
Date & Time: 7/10 1745	Facility Name: Tipton WWTF
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 90-6534 Downstream: 91-6535	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 west side	☒ Other: Forest Ag Land (Southwest)	

Evidence of Human Use*: NONE

☐ 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 – Data Sheet B for WBID # 0956 **:**

Stream Morphology:

Upstream View Physical Dimensions: 193

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☒ Run	Width (ft):	6	Length (ft):	10	Avg. Depth (ft):	0.25	Max. Depth (ft):	0.25	
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☒ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft³/sec)~~:	5 ft / 5 sec = 1 ft / sec			

DW 7/10

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☒ Run	Width (ft):	25	Length (ft):	10	Avg. Depth (ft):	0.5	Max. Depth (ft):	0.5	
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
☒ Flow	Present?	☒ Yes	☐ No		~~Estimated (ft³/sec)~~:	5' / 20 sec ft / sec			

DW 7/10

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

15 % Cobble	35 % Gravel	25 % Sand	% Silt	25 % Mud/Clay	% Bedrock

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

40% Algae

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: Garrett Bell **Date:** 7/10/05

Organization: TT Position: SCIENTIST II

DW 7/10

0956_193_us

0956_193_ds

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

dw 7/10

~~196~~ 194 A

Missouri WBID #: 0956	Site Location Description: ~250 ft downstream of 195
Site GPS Coordinates: 38.62909 N 92.76535 W	
Date & Time: 7/10 1850	Facility Name: Tipton WWTF
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Overcast, Warm	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 100-6544 Downstream: 99-6543 Other: ~~N/A~~ GB 7/10	

Access Rd 101-6545

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: Ag Fields (both sides	

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: Field Access Road runs through stream				

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 – Data Sheet B for WBID # 0958 :

dw 7/10 ~~195~~ 194 A

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 20	Length (ft): 10	Avg. Depth (ft): 1.5	Max. Depth (ft): 2
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

dw 7/10

Downstream View Physical Dimensions:

☒ Riffle	Width (ft): 15	Length (ft): 10	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.25
☐ 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)~~: ft/sec	5/60

dw 7/10

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

U	30 % Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	70 % Bedrock
D	10	30			60	

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

D: 35% Algae

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: brown
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: [signature] **Date:** 7/10/05

Organization: FT Position: SCIENTIST

DW 7/10

0956_194_us

0956_194_ds

0956_194_access

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

1951

Missouri WBID #: 0956	Site Location Description: @ Bridge on Bohner quarry Rd
Site GPS Coordinates: 7/10 1830	
Date & Time: 38.63009 N 92.76601 W (dw 7/10)	Facility Name: Tipton WWTF
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 94-6538	Downstream: 92-6536 Other: Fence (93-6537) 95-6539

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: Ag Fields (North & South)	

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 – Data Sheet B for WBID # 0956 **:**

Stream Morphology:

Upstream View Physical Dimensions: 195

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Run	Width (ft):	11	Length (ft):	10	Avg. Depth (ft): 0.5	Max. Depth (ft):	1
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft³/sec)~~: 5ft / 17 sec		

dw 7/10

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Run	Width (ft):	17	Length (ft):	10	Avg. Depth (ft): 1	Max. Depth (ft):	1.6
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft³/sec)~~: dw 7/10	5ft / 8 sec	

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

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

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

Algae 45%

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: [signature] **Date:** 7/10/05

Organization: DF **Position:** SCIENTIST

DW 7/10

0956_195_us

0956_195_ds

0956_195_fence

0956_195_fence

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 196 A

Missouri WBID #:	0956	Site Location Description:	~100 m upstream of Site 195
Site GPS Coordinates:	38.63125 N 92.76706 W		
Date & Time:	7/10 1840	Facility Name:	Tipton WWTF
Personnel:	DW GB	Permit Number:	N/A
Current Weather Conditions:	Warm Dry	Weather Conditions for Past 7 days:	Warm Dry
Photo Ids: Upstream: 96-6540	Downstream: 97-6541	Other:	

Livestock path 98-6542

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: Ag Fields (NE & SW) Both Sides	

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 – Data Sheet B for WBID # 0956 **:**

Stream Morphology:

Upstream View Physical Dimensions: 196/A

☒ Riffle	Width (ft): 18	Length (ft): 10	Avg. Depth (ft): 0.15	Max. Depth (ft): 0.25
☐ 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 ~~(ft³/sec)~~: 5/4 ft/sec	

dw 7/10

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): 21.5	Length (ft): 10	Avg. Depth (ft): 0.82	Max. Depth (ft): 1
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft³/sec): Not measurable	

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

10 % Cobble	40 % Gravel	10 % Sand	% Silt	40 % Mud/Clay	% Bedrock

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

2% Algae

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: Brown
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: Jennifer Buhl **Date:** 7/10/05

Organization: TT **Position:** SCIENTIST

DW 7/10

0956_196_us

0956_196_ds

0956_196_access

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

197 A

Missouri WBID #: 0956	Site Location Description: 0.21 mi upstream from Site 195
Site GPS Coordinates: 38.63210 N 92.76863 W	
Date & Time: 7/10 2030	Facility Name: Tipton WWTF
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Overcast Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 105-6553 Downstream: ~~197~~ DW 7/10 104-6549	Other: N/A

Outfall: 106-6554

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: Sewage Treatment Plant Discharge Point into Stream	

Evidence of Human Use*: ~~None~~ DW 7/10

☐ 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 – Data Sheet B for WBID # 0956 **:**

Stream Morphology:

Upstream View Physical Dimensions: 197 A

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 23	Length (ft): 10	Avg. Depth (ft): 1.25	Max. Depth (ft): 1.5
☐ 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): 10	Length (ft): 10	Avg. Depth (ft): 0.75	Max. Depth (ft): 1.5
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☒ Yes ☐ No		~~Estimated (ft^3/sec)~~: 5 ft / 10 s	

DW 7/10 ft/sec

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

35 % Cobble	35 % Gravel	% Sand	% Silt	30 % Mud/Clay	% Bedrock

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

5% Algae

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: Jack Bull **Date:** 7/10/05

Organization: TT **Position:** Scientist

DW 7/10

0956_197_us

0956_197_ds

0956_197_outfall

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

198 A

Missouri WBID #: 0956	Site Location Description: Bridge over RT 5
Site GPS Coordinates: 38.64576 N 92.78403 W	
Date & Time: 7/10 1936	Facility Name: Tipton WWTF
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Overcast, dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 102-6546 Downstream: 103-6547	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: Forest	

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 – Data Sheet B for WBID # 0956 :

Stream Morphology:

198 A

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	8	Length (ft):		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):		

DW 7/10

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	8	Length (ft):	10	Avg. Depth (ft):	0.75	Max. Depth (ft): 1
☐ 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%.) DW 7/10

U	20 % Cobble	– % Gravel	~~50~~ % Sand	% Silt	80 % Mud/Clay	% Bedrock
D		50	50			

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

2% Aquatic Vegetation

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☒ Musky	☐ Chemical	☐ None	☐ Other:
Color:	☐ Clear	☒ Green Up Str Down	☐ 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: Garreth Bull **Date:** 7/10/05

Organization: FT **Position:** SCIENTIST

DW 7/10

0956_198_us

0956_198_ds