Use Attainability Analysis

for

WBID 1011 Hominy Creek

Submitted by
Tetra Tech. Inc.

To
Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

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WATER PROTECTION PROGRAM

Data Sheet A - Water Body Identification

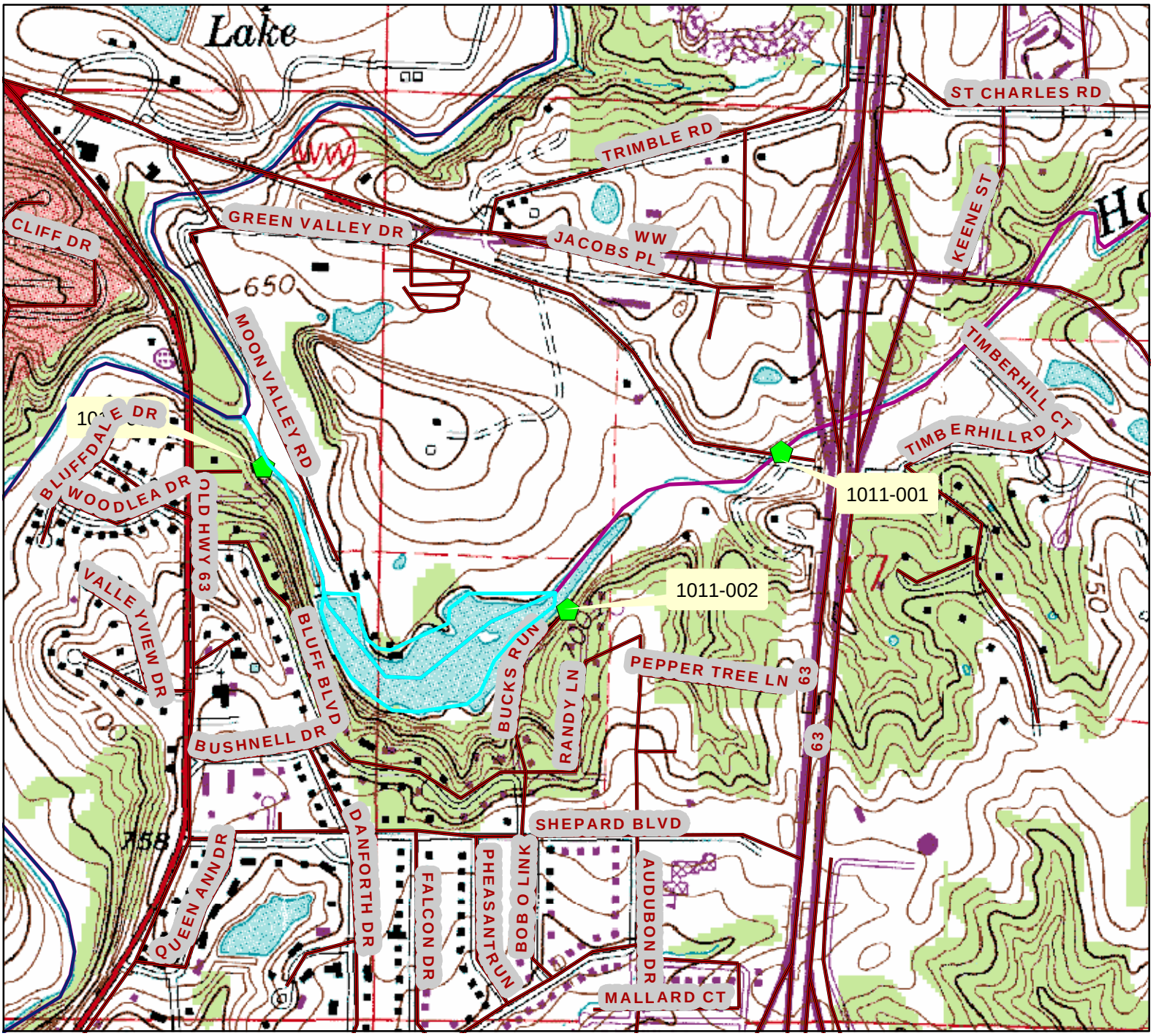
Water Body Name: (from USGS 7.5' quad)	Hominy Cr.
8-digit HUC:	10300102
Missouri WBID #:	1011
County:	Boone
Upstream Legal Description:	N/A
Downstream Legal Description:	N/A
Upstream Coordinates: (UGS 84, ddd.ddddd)	38.99389 N 92.29448 W
Downstream Coordinates: (UGS 84, ddd.ddddd)	39.00239 N 92.20085 W
Discharger Facility Name(s):	Manchester Heights SUBD
Discharger Permit Number(s):	N/A
Number of Sites Evaluated:	12
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: Garet Bell **Date:** 7/9/05

DW 7/9/05

Hominy Creek (C) #1011 Boone County
HUC 8 - 10300102



Legend

- Roads
- Classified Waterbodies
- Counties

N
W E
S

0 0.1 0.2 0.4 Miles

Appears to be Ephemeral STREAM currently is DRY

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

605

Missouri WBID #: 1011	Site Location Description: Liddel Lane crossing
Site GPS Coordinates: 39.00237 N 92.20085 W	
Date & Time: 7/9 1100	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm, Breeze, Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 17-6455 Downstream: 18-6456	Other: N/A

Uses Observed*: NONE

☐ 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 Land 1- Residence	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 **:**

Stream Morphology:

Upstream View Physical Dimensions: DRY 605

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

Downstream View Physical Dimensions: DRY

☐ 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%.) N/A

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

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

N/A

Water Characteristics*: (Mark all that apply.) N/A

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☐ None	☐ Other:

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

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

Signed: James A Bull **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_605_US

1011_605_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 606A

Missouri WBID #: 1011	Site Location Description: ~200 m Upstream of Site 608
Site GPS Coordinates: 38.98666 N 92.22751 W	
Date & Time: 7/9 1130	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 19 - 6457 Downstream: 20 - 6458	Other: 22 - 6460 (Livestock foot prints) 21 - 6459 (Livestock path)

Uses Observed*: NONE

☐ 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: Open Field, Ag Land Stream in a riparian zone	

Evidence of Human Use*:

☐ Roads	☐ Foot paths/prints	☐ Dock/platform	☒ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

606 A

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):	10	Length (ft):	10	Avg. Depth (ft):	1.25	Max. Depth (ft): 2
☐ 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):	11	Length (ft):	10	Avg. Depth (ft):	0.25	Max. Depth (ft): 0.5
☐ 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	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
40	60			10	

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☒ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☒ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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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: Garrett Ball **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_606_US

1011_606_DS

1011_606_PATH

1011_606_TRACKS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 1607 7A

Missouri WBID #: 1011	Site Location Description: ~450 ft upstream of Site 608
Site GPS Coordinates: 38.98578 92.22848	
Date & Time: 7/9 1143	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 24-6462 Downstream: 23-6461	Other: 25-6463 (LIVESTOCK FOOTPRINT)

Uses Observed*: NONE

☐ 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 Land, Pasture	

Evidence of Human Use*:

☐ Roads	☐ Foot paths/prints	☐ Dock/platform	☒ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 **:**

Stream Morphology:

Upstream View Physical Dimensions: 607A

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Run	Width (ft):	7	Length (ft):	10	Avg. Depth (ft):	1	Max. Depth (ft):	2
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☐ Flow	Present?	☐ Yes	☒ No		Estimated (ft^3/sec):			

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):	0.5	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	% Gravel	50 % Sand	% Silt	50 % Mud/Clay	% Bedrock

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☒ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☒ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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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: Jane A Bell **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

JW 7/9

1011_607_US

1011_607_DS

1011_607_PRINTS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 6087

Missouri WBID #: 1011	Site Location Description: Bridge on MEXICO GRAVEL RD.
Site GPS Coordinates: 38. 28787 N 92. 22983 W	
Date & Time: 7/9 1150	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 26-6464 Downstream: 29-6467	Other: 28 - 6466 (LIVESTOCK PATH) 30 - 6468 (FENCE) 27 - 6465 (LIVESTOCK FOOTPRINT)

Uses Observed*: NONE

☐ 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 Land	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☒ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 1608

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Run	Width (ft):	5	Length (ft):	10	Avg. Depth (ft):	2.5	Max. Depth (ft):	2.5
☐ 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):	12	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%.)

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
U 30 / D 10				70 / 90%	

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

UP : NONE
Down : Trace 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:

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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: Jane A Buell **Date:** 7/9/05

Organization: TT INC. Position: SCIENTIST

DW 7/9/05

1011_608_US

1011_608_DS

1011_608_FENCE

1011_608_PRINTS

1011_608_TRAIL

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 1609A

Missouri WBID #: 1011	Site Location Description: ~325' downstream of Site 80B
Site GPS Coordinates: 38° 98361 N, 92° 23041 W	
Date & Time: 7/9 1205	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 31 - 6469 / Downstream: 32 - 6470	Other: N/A

Uses Observed*: NONE

☐ 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: Adjacent to Trailer Park, Forest	

Evidence of Human Use*: ~~NONE~~ DW 7/9

☒ Roads (Trailer Park)	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 609A

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	10	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 (ft^3/sec):		

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	9	Length (ft):		Avg. Depth (ft):	1	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%.)

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
	25	50		25	

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☒ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☒ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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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: Garrett Buhl **Date:** 7/9/05

Organization: TT, INC. Position: Scientist

JW 7/9

1011_609_US

1011_609_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 610A

Missouri WBID #: 1011	Site Location Description: See GPS coordinates
Site GPS Coordinates: 38.97966 N 92.23381 W	At Bridge
Date & Time: 7/9 1226	Facility Name: Manchester Heights Sub D
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Hot dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 336471 Downstream: 34-6473	Other: N/A

Uses Observed*: NONE

☐ 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: Several Residences	

Evidence of Human Use*: N DW 7/9

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 610A

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
☒ Run	Width (ft):	12	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):		

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):	7	Length (ft):		Avg. Depth (ft): 0.25	Max. Depth (ft):	0.75
☐ Flow	Present?	☐ Yes	☒ No		Estimated (ft^3/sec):		

Substrate*: DW 7/9 (These values should add up to 100%.) DW 7/9

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
~~50~~ U 50 D		~~50~~ 50		100	

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☒ Clear (downstream only)	☐ Green	☐ Gray	☐ Milky	☒ Other: Brown (Upstream)
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☒ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

~~downstream: clear~~ DW 7/9

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Signed: Gary A Bull **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_610_US

1011_610_DS

Field Data Sheets for Recreational Use Stream Surveys

FEEDS INTO A LAKE

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 611

Missouri WBID #: 1011	Site Location Description: Bridge on Water Front Drive N
Site GPS Coordinates: 38.97084 N 92.24596 W	
Date & Time: 7/9 1250	Facility Name: Manchester Heights SUBD
Personnel: GB DW	Permit Number: N/A
Current Weather Conditions: Hot Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 37-6476	Downstream: 35-6474 Other: 36-6475 (Fishing Tackle)

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☒ Fishing JW 7/9	☒ 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: Residences	

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 # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 1611

☐ 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):	23	Length (ft):	10	Avg. Depth (ft):	2.5	Max. Depth (ft):	3
☐ 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):	18	Length (ft):		Avg. Depth (ft):	2	Max. Depth (ft):	2.75
☐ Flow	Present?	☐ Yes	☒ No		Estimated (ft^3/sec):			

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

% Cobble	% Gravel	% Sand	% Silt	100 % Mud/Clay	% Bedrock

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☒ Green	☐ Gray	☐ Milky	☐ Other:
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: Garrett Bell **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_611_US

1011_611_DS

1011_611_FISHLINE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 612

Missouri WBID #: 1011	Site Location Description: BELOW LAKE OUTFALL (Downgradient)
Site GPS Coordinates: 38.96797 N 92.25565 W	
Date & Time: 7/9 1319	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 38-6477 Downstream: 39-6478	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: Just below Lake Outfall ☒ Heavy Forest Growth	

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 # 1011 **:**

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): 22	Length (ft): 10	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): 12	Length (ft): 10	Avg. Depth (ft): 0.25	Max. Depth (ft): 0.5
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☒ Yes ☐ No		Estimated ~~(ft^3/sec)~~: gBT/9 JW 7/9	19/51 5 ft / 19 s

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

50 % Cobble	% Gravel	% Sand	% Silt	50 % Mud/Clay	% Bedrock

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☒ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☒ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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

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

Signed: [signature] **Date:** 7/4/05

Organization: TT, INC. Position: SCIENTIST

JW 7/9

1011_612_US

1011_612_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 63

Missouri WBID #: 1011		Site Location Description: Bridge on 70 (Major Highway)	
Site GPS Coordinates: 38.90099 N 92.26633 W			
Date & Time: 7/9 1350		Facility Name: Manchester Heights SUBD	
Personnel: DW GB		Permit Number: N/A	
Current Weather Conditions: Warm, Dry		Weather Conditions for Past 7 days: Warm, Dry	
Photo Ids: Upstream: 40-6479	Downstream: 41-6480	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: Highway, Heavy Vegetation	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – Data Sheet B for WBID # 1011 **:**

Stream Morphology:

Upstream View Physical Dimensions: 613

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	18	Length (ft):	10	Avg. Depth (ft):	1	Max. Depth (ft): 1
☐ 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):	7	Length (ft):	10	Avg. Depth (ft):	0.25	Max. Depth (ft): 05
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft^3/sec):~~	5 ft / 10 s	

GB 7/9

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

	% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
U	50				50	
D	25	25			50	

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

U: None
D: 2% Aquatic Grasses

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.

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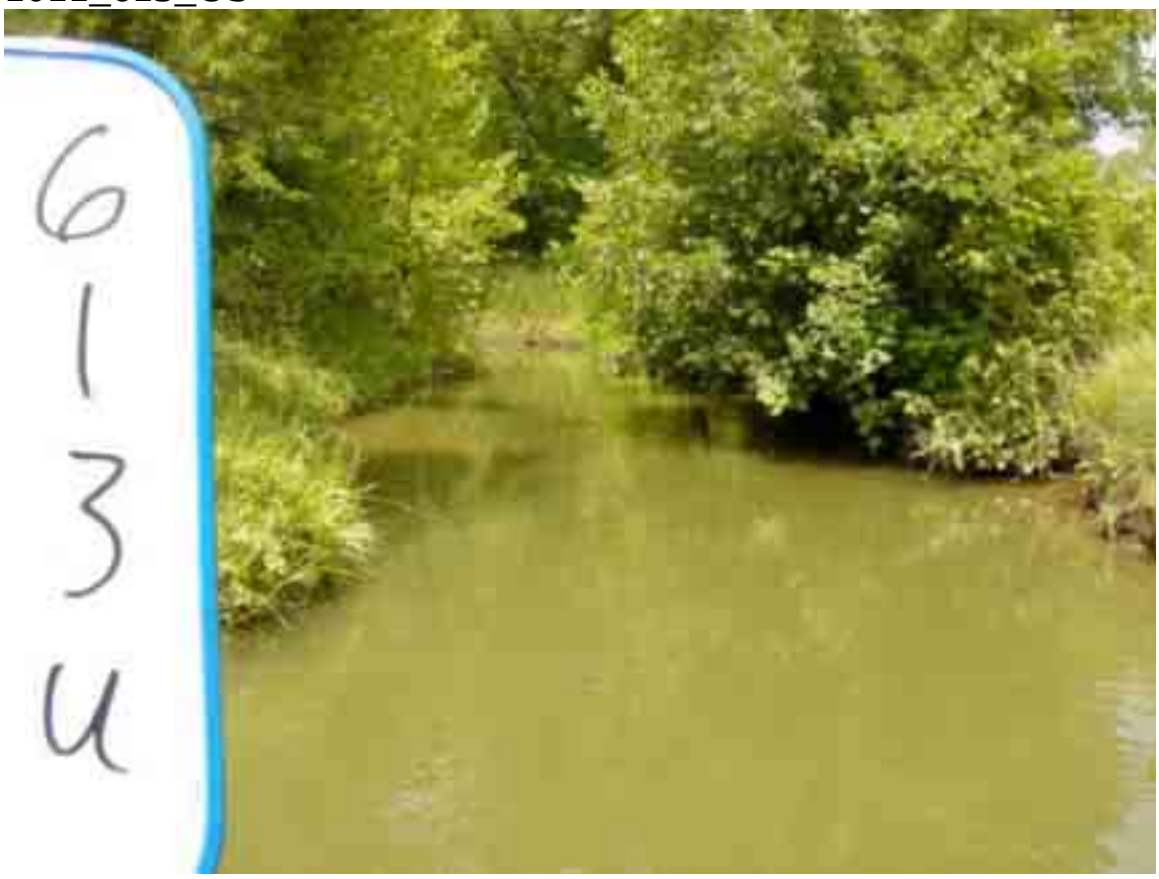
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Janet Buell **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_613_US



1011_613_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 614

Missouri WBID #: 1011	Site Location Description: Bridge on Richland Rd.
Site GPS Coordinates: 39.74944 N 92.28395 W	
Date & Time: 7/9 1434	Facility Name: Manchester Heights SUBD
Personnel: DW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 44-6483 Downstream: 45-6484	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)

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Page Two – Data Sheet B for WBID # ~~407~~ : 1011
DW 7/9

Stream Morphology:

Upstream View Physical Dimensions: 614

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

GB 7/9

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):	0.25	Max. Depth (ft):	0.5
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Flow	Present?	☒ Yes	☐ No		Estimated ~~(ft³/sec):~~	5 ft / 20 s		

GB 7/9

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

60	% Cobble	20	% Gravel	10	% Sand		% Silt	10	% Mud/Clay		% Bedrock

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: 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.

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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: Jane A Bell **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_614_US

1011_614_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) 615

Missouri WBID #: 1011	Site Location Description: Bridge on WW
Site GPS Coordinates: 38.94620 N 92.29009 W	
Date & Time: 7/9 1409	Facility Name: Manchester Heights SUBD
Personnel: ~~MW~~ DW, GB	Permit Number: N/A
Current Weather Conditions: Warm, Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 42-6481	Downstream: DW 7/9 43-6482 ~~53~~ 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: Partial 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)

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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 615

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	20	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 (ft^3/sec):		

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☒ Run	Width (ft):	7	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 ~~(ft^3/sec):~~	5ft/BB	

GB 7/9

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

V 50 % Cobble	% Gravel	% Sand	% Silt	50 % Mud/Clay	% Bedrock
D 90				10	

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: 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.

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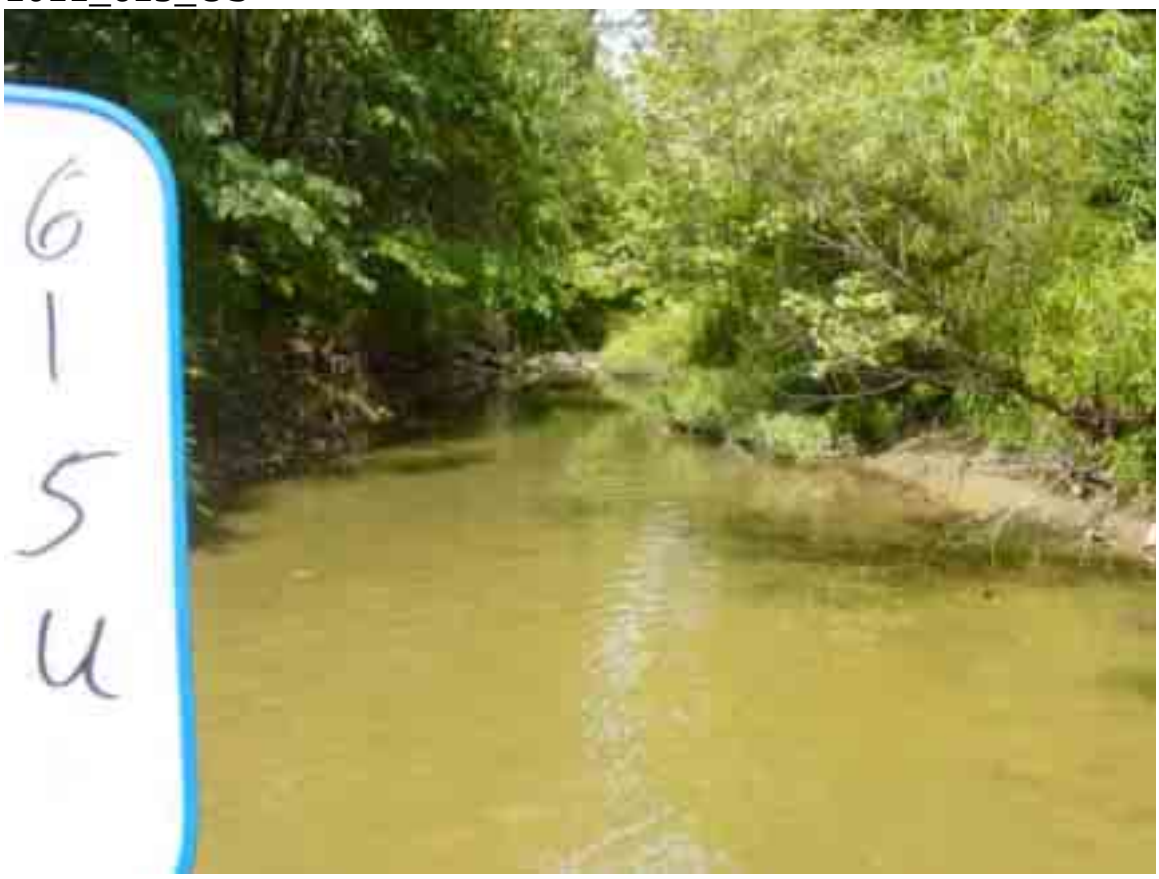
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Janet Burk **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

JW 7/9

1011_615_US



1011_615_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

1616

Missouri WBID #: 1011	Site Location Description: Near ON-ramp to Rt 63 S
Site GPS Coordinates: 38.94384 N 92.29448 W	
Date & Time: 7/9 1452	Facility Name: Manchester Heights SUBD
Personnel: DCW GB	Permit Number: N/A
Current Weather Conditions: Warm Dry	Weather Conditions for Past 7 days: Warm Dry
Photo Ids: Upstream: 48-6487 Downstream: 46-6485 Other:	

Const 47-6486 NEW Embankment 49-6488

Uses Observed*: (Construction)

☐ 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: Major Highway Forest Land	

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: Construction Activity (Excavator Track Marks) maintenance of Bridge embankments				

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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Page Two – Data Sheet B for WBID # 1011 :

Stream Morphology:

Upstream View Physical Dimensions: 616

☐ Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):	
☒ Run	Width (ft):	13	Length (ft):	10	Avg. Depth (ft):	0.75	Max. Depth (ft):	1
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):	0.	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):	18	Length (ft):	10	Avg. Depth (ft):	1	Max. Depth (ft):	1.75
☐ 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	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
U	10	10			80	
D	50				50%	

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

NONE

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other: 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.

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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: Garrett Bell **Date:** 7/9/05

Organization: TT, INC. Position: SCIENTIST

DW 7/9

1011_616_US

1011_616_DS

1011_616_ACCESS

1011_616_CONCRETE BANK