



Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 1631 Clear Creek 2

Submitted by

Pickett Ray and Silver

To

Missouri Department of Natural Resources

Water Protection Program

Date Received: June 5, 2007

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet A - Water Body Identification****I. Water Body Information** (For water body being surveyed)

Water Body Name (from USGS 7.5' quad): Clear Creek 2	
Missouri Waterbody Identification (WBID) Number: 1631	
8-digit HUC: 10300200	County: Montgomery
Upstream Legal Description (from Table H): 36,49N,6W	
Downstream Legal Description(from Table H): Mouth	
Number of sites evaluated 2 - Stream segment was less than 3 miles	
List all sites numbers, listed consequently upstream to downstream:	
1 - Farmal Road 2 - Clear Branch Ln.	

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

II. Subsegmentation (fill this section out only in cases where subsegmentation is being proposed)

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Upstream Coordinates:		Downstream Coordinates:	
UTM X	Y	UTM X	Y
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.)			
Global Positioning System (GPS)		Interpolation	
Static Mode		Topographic Map or DRG	
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ	
Precise Positioning Service		Satellite Imagery	
Signal Averaging		Interpolation Other	
Real Time Differential Processing			
HORIZONTAL ACCURACY ESTIMATE			
GPS Data Quality		Interpolation Data Quality	
FOM	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____	
EPE	± _____ Feet or ± _____ Meters		
PDOP		± _____ Feet or ± _____ Meters	

III. Discharger Facility Information (list all permitted dischargers on the stream)

Discharger Facility Name(s): Montgomery City Clear Creek
Discharger Permit Number(s): MO 0127124

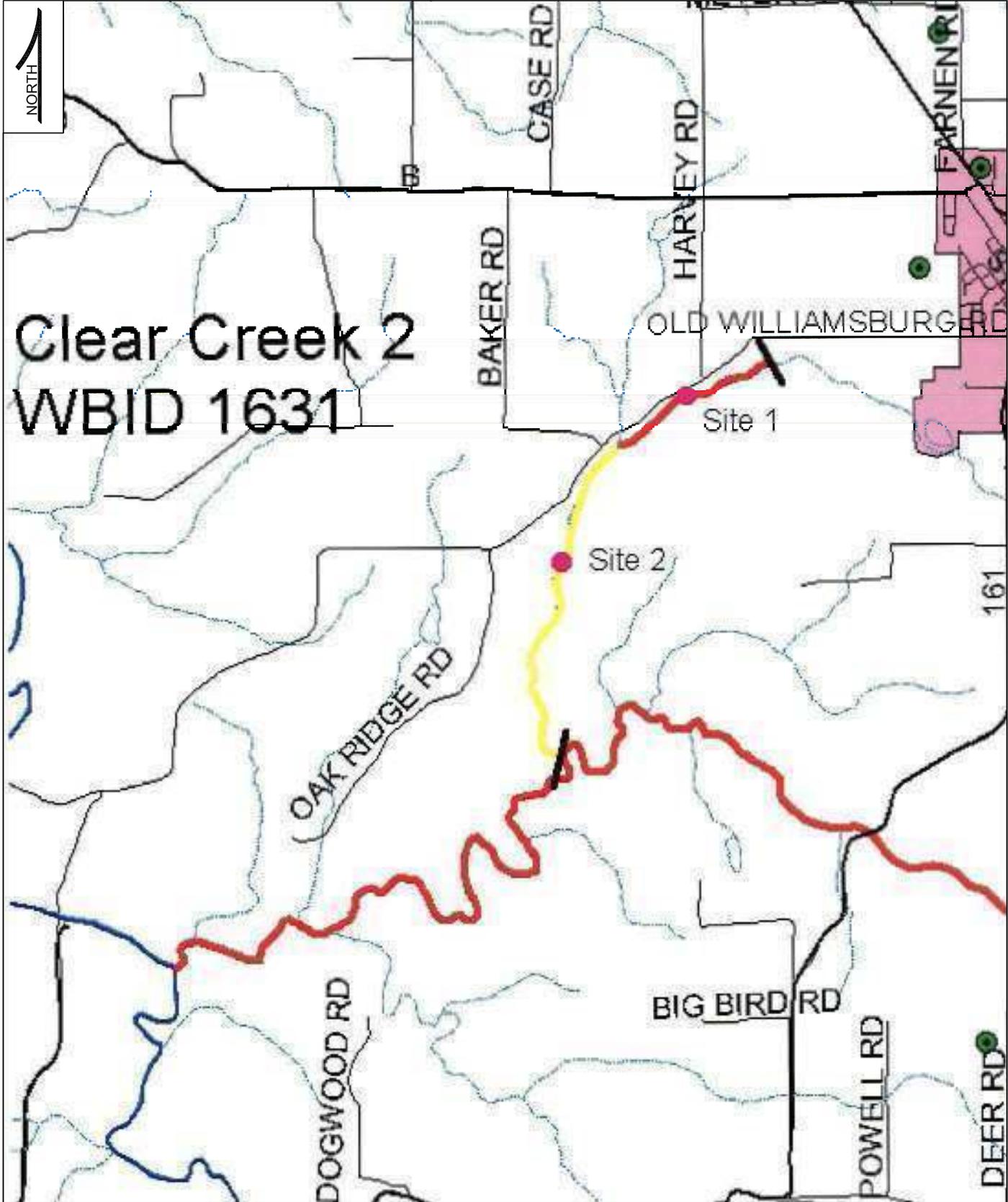
IV. UAA Surveyor (please print legibly)

Name of Surveyor R. Martin	Telephone Number: 573-875-7844
Organization/Employer: AE Solutions	
Position: Env. Specialist	

Please verify that you have completed all sections, checked all applicable boxes and that everything is complete.

Signed: Renee MartinDate: 5/10/07

\\3serverpr\Projects\07031\Task 14 Clear Creek 1631.dwg, 5/25/2007 4:15:07 PM, 1:2000, MATT COSBY



PICKETT RAY & SILVER

Civil Engineers Land Surveyors Natural Resources

Address: 333 Mid Rivers Mall Drive
 St. Peters, Missouri 63376

Phone: (636) 397-1211
 Fax: (636) 397-1104
 Website: www.prs3.com

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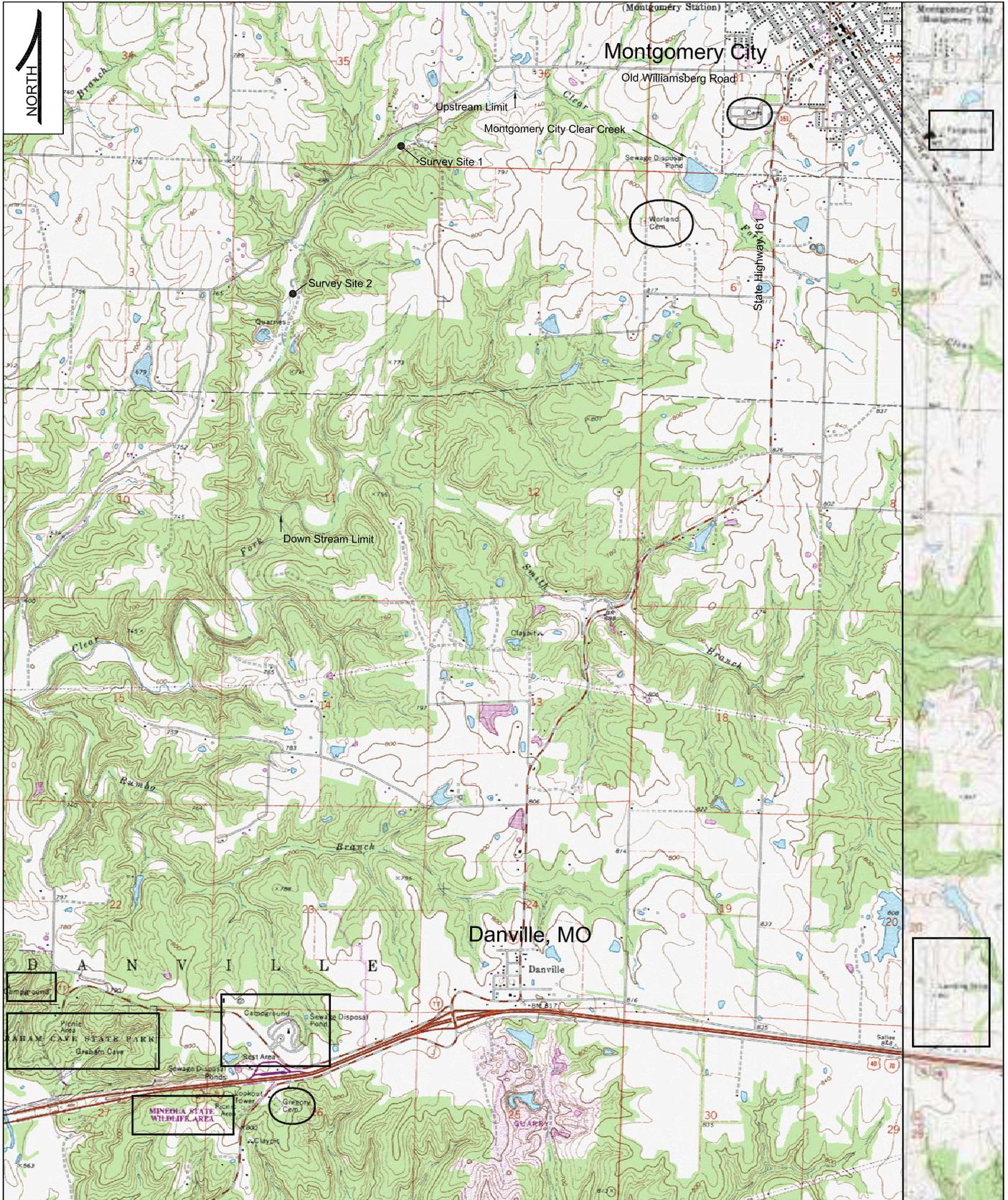
WBID #: 1631
 Name: Clear Creek
 GIS MAP



NOT TO SCALE

PRS Job Number: 07031.MODN.00E
 Drawn By: M.C. Date: 05-25-07
 Checked By: J.V. Date: 05-25-07

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WBID #: 1631
 Name: Clear Creek 2
 County: Montgomery
 USGS Location Map

0 0 0 0

NOT TO SCALE

PRs Job Number: 07031.MODN.00E
 Drawn By: M.C. Date: 05-25-07
 Checked By: J.V. Date: 05-25-07

WBID# 1631
 Site# 1

Field Data Sheets for Recreational Use Stream Surveys
Data Sheet B - Site Characterization
 (must be completed for each site)

Date & Time: 5/10/07 - 11:30	Site Location Description (e.g., road crossing):
Personnel (Data Collectors): Renee Martin	Site 1
Current Weather Conditions: partly cloudy	Facility Name: Montgomery City Clear Creek
Weather Conditions for Past 10 days: unknown	Permit Number: MO 0127124
Drought Conditions?: No drought <input type="checkbox"/> ; Phase I <input type="checkbox"/> ; Phase II <input type="checkbox"/> ; Phase III <input type="checkbox"/> ; Phase IV <input type="checkbox"/> ; Unknown <input checked="" type="checkbox"/>	

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Site GPS Coordinates: UTM X: 0626081		Y: 4314512	
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.)			
Global Positioning System (GPS)		Interpolation	
Static Mode	x	Topographic Map or DRG	
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ	
Precise Positioning Service		Satellite Imagery	
Signal Averaging		Interpolation Other	Real Time Differential Correction with
Real Time Differential Processing		Post Processing	
HORIZONTAL ACCURACY ESTIMATE			
GPS Data Quality		Interpolation Data Quality	
FOM	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____ ± _____ Feet or ± _____ Meters	
EPE	± 15 Feet or ± _____ Meters		
PDOP			

Photos:

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
See Attached Photos		1631-1-56 1631-1-57 1631-1-58	Upstream, Site #1, Transect #1 Downstream, Site #1, Transect #1 Fence, Site #1, Transect #1		

Uses Observed*: (Uses actually observed at time of survey.)

<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, photo-documentation of evidence of recreational uses, etc. Use <i>Data Sheet D- Recreational Use Interview</i> when conducting interviews.)				

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 checked="" type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other:
Comments: Horse pasture, gravel road				

Indications of Human Use*: (attach photos)

<input type="checkbox"/> Roads	<input type="checkbox"/> Rope swings	<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"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle	<input type="checkbox"/> Other:	
Comments: None					

Stream Morphology:

Upstream View's Physical Dimensions: Is there any water present at this view? Yes No
 If so, is there an obvious current? Yes No

Select one of the following channel features:

Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN					
POOL					

Downstream View's Physical Dimensions: Is there any water present at this view? Yes No
 If so, is there an obvious current? Yes No

Select one of the following channel features:

Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN					
POOL					

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

30	% Cobble	10	% Gravel	60	% Sand	-	% Silt	-	% Mud/Clay	-	% Bedrock
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Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site)

Algae on substrate

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 any additional comments () 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.

Please verify that you have completed all sections, checked all applicable boxes and that everything is complete.

Surveyor's Signature: Renee Martin Date of Survey: 5/10/07

Organization: AE Solutions Position: Env. Specialist

Recreational Use Attainability Analysis Field Survey Sheet

Waterbody ID: <u>1631</u> Site #: <u>1631.01</u> Estimated Channel Incision: <u><1.0</u> (m) (height between low bank width and water) GPS Location: <u>0626081</u> UTM Y: <u>4314512</u> UTM X: <u>0626081</u> UTM Y: <u>4314512</u> Horizontal Accuracy Estimate (GPS Data Quality): <u>+/- 15</u> (feet) PDOP: _____ Average Stream Width: <u>7</u> (meters) Length of Survey Segment: <u>150</u> (meters) (20x average stream width) Field Staff: <u>Renee Martin</u>	<b style="text-align: center;">Dissolved Oxygen Dissolved Oxygen: <u>9.47</u> (mg/L) Dissolved Oxygen: <u>105.5</u> (% sat) Specific Cond: <u>472</u> (µS/cm) Water Temperature: <u>21.4</u> (°C)
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Transect Cross-Section

Measurement	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)																				
1	0.3	0.1	0.5	0.1	0.0	0.1	1.8	0.1	0.6	0.1	0.0	<0.1	0.4	0.1	0.3	0.1	0.4	0.1	0.0	0.1	0.9	0.1
2	1.0	0.1	0.65	0.1	0.3	0.2	1.9	0.1	1.1	0.1	0.5	<0.1	0.6	0.2	0.7	0.3	1.1	0.2	0.7	0.8	2.2	<0.1
3	1.7	<.01	0.8	0.1	0.6	0.3	2.0	0.1	1.6	0.2	1.0	<0.1	0.8	0.4	1.1	0.35	1.8	0.3	1.4	>1.0	3.5	0.1
4	2.4	<.01	0.95	0.1	0.9	0.3	2.1	0.1	2.1	0.2	1.5	<0.1	1.0	0.5	1.5	0.4	2.5	0.3	2.1	>1.0	4.8	0.0
5	3.1	0.2	1.10	0.1	1.2	0.1	2.2	<0.1	2.6	0.15	2.0	<0.1	1.2	0.4	1.9	0.45	3.2	0.5	2.8	>1.0	6.1	0.0
6	3.8	0.2	1.25	<0.1	1.5	0.2	2.3	0.0	3.1	0.1	2.5	<0.1	1.4	0.4	2.3	0.5	3.9	0.4	3.5	>1.0	7.4	0.0
7	4.5	0.2	1.40	<0.1	1.8	0.2	2.4	<0.1	3.6	0.1	3.0	<0.1	1.6	0.3	2.7	0.5	4.8	0.4	4.2	1.0	8.7	0.0
8	5.2	0.2	1.55	0.1	2.1	0.3	2.5	<0.1	4.1	0.2	3.5	0.1	1.8	0.3	3.1	0.5	5.5	0.3	4.9	0.6	10.0	0.0
9	5.9	0.2	1.70	0.1	2.4	0.2	2.6	0.1	4.6	0.3	4.0	0.1	2.0	0.2	3.5	0.5	6.2	0.3	5.6	0.3	11.3	0.0
10	6.6	0.1	1.85	<0.1	2.7	0.1	2.8	0.1	5.1	0.3	4.5	<0.1	2.2	0.2	3.9	0.4	6.9	0.2	6.3	0.2	12.6	0.2
11	7.3	0.1	2.0	0.1	3.0	0.1	2.9	0.1	5.6	0.2	5.0	<0.1	2.4	0.1	4.3	0.2	7.6	0.1	7.0	0.1	13.9	0.10
12	8.0	0.0	3.0	0.0	3.6	0.0	4.6	0.0	6.3	0.0	5.0	0.0	3.0	0.0	4.6	0.0	7.7	0.0	7.2	0.0	14.0	0.0
Feature Type (riffle, run, or pool)	Run		Riffle		Run		Riffle		Run		Riffle		Run		Run		Pool		Pool		Riffle	
depths less than 0.1m?																						

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Transects in order of up to downstream.

Mark dry depth measurements as 0; measurements less than 0.1m as < 0.1; and greater than 1m as > 1

Measurement 1 depth = 0.1m (unless depth is insufficient); Measurement 11 depth = 0.1m (unless depth is insufficient); Measurement 12 distance = entire wetted width distance and depth = 0m.

Signed: Renee Martin Date: 5/10/07

WBID# 1631
 Site# 2

Field Data Sheets for Recreational Use Stream Surveys
Data Sheet B - Site Characterization
 (must be completed for each site)

Date & Time: 5/11/07 - 6:45	Site Location Description (e.g., road crossing):
Personnel (Data Collectors): Renee Martin	Clear Branch Rd. - Site #2
Current Weather Conditions: Clear	Facility Name: Montgomery City Clear Creek
Weather Conditions for Past 10 days: unknown	Permit Number: MO 0127124
Drought Conditions?: No drought <input type="checkbox"/> ; Phase I <input type="checkbox"/> ; Phase II <input type="checkbox"/> ; Phase III <input type="checkbox"/> ; Phase IV <input type="checkbox"/> ; Unknown <input checked="" type="checkbox"/>	

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Site GPS Coordinates: UTM X: 0625211		Y: 4313535	
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.)			
Global Positioning System (GPS)		Interpolation	
Static Mode	x	Topographic Map or DRG	
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ	
Precise Positioning Service		Satellite Imagery	
Signal Averaging		Interpolation Other	Real Time Differential Correction with
Real Time Differential Processing		Post Processing	
HORIZONTAL ACCURACY ESTIMATE			
GPS Data Quality		Interpolation Data Quality	
FOM	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____ ± _____ Feet or ± _____ Meters	
EPE	± <u>18</u> Feet or ± _____ Meters		
PDOP			

Photos:

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
See Attached Photos		1631-2-67 1631-2-68	Upstream, Site #2, Transect #1 Downstream, Site #2, Transect #1		

Uses Observed*: (Uses actually observed at time of survey.)

<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, photo-documentation of evidence of recreational uses, etc. Use <i>Data Sheet D- Recreational Use Interview</i> when conducting interviews.)				

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 checked="" type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other:
Comments: Home, gravel driveway, field-grass				

Indications of Human Use*: (attach photos)

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Rope swings	<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"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle	<input checked="" type="checkbox"/> Other:	
Comments: Road crossing					

Stream Morphology:

Upstream View's Physical Dimensions: Is there any water present at this view? Yes No
 If so, is there an obvious current? Yes No

Select one of the following channel features:

Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN					
POOL					

Downstream View's Physical Dimensions: Is there any water present at this view? Yes No
 If so, is there an obvious current? Yes No

Select one of the following channel features:

Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN					
POOL					

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

% Cobble	85	% Gravel	% Sand	% Silt	% Mud/Clay	15	% Bedrock
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Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site)

Algae on substrate

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 type="checkbox"/> Fine sediments	<input checked="" 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 any additional comments () 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.

Please verify that you have completed all sections, checked all applicable boxes and that everything is complete.

Surveyor's Signature: Renee Martin Date of Survey: 5/11/07

Organization: AE Solutions Position: Env. Specialist

Recreational Use Attainability Analysis Field Survey Sheet

Waterbody ID: <u>1631</u> Site #: <u>1631-2</u> Estimated Channel Incision: <u>4.0</u> (m) (height between low bank width and water) GPS Location: <u>0625211</u> UTM Y: <u>4313535</u> UTM X: <u>0625211</u> Horizontal Accuracy Estimate (GPS Data Quality): <u>+/- 18</u> (feet) PDOP: _____ Average Stream Width: <u>8</u> (meters) Length of Survey Segment: <u>160</u> (meters) (20x average stream width) Field Staff: <u>Renee Martin</u>	Dissolved Oxygen Dissolved Oxygen: <u>5.63</u> (mg/L) Dissolved Oxygen: <u>61.1</u> (% sat) Specific Cond: <u>415.3</u> (µS/cm) Water Temperature: <u>19.3</u> (°C)
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Transect Cross-Section

Measurement	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)																				
1	0.3	0.1	0.8	0.1	0.0	<0.1	0.1	0.1	0.4	0.1	0.5	0.1	0.2	0.1	0.2	0.1	0.3	0.1	0.5	0.1	0.3	0.1
2	0.7	0.2	0.94	0.1	0.46	<0.1	0.8	0.2	1.4	0.2	1.4	0.2	1.0	0.2	1.3	0.0	1.3	0.2	1.05	0.1	0.7	0.2
3	1.1	0.2	1.08	0.1	0.92	<0.1	1.5	0.2	2.4	0.2	2.3	0.2	1.8	0.2	2.4	<0.1	2.3	0.2	1.6	0.00	1.1	0.2
4	1.5	0.2	1.22	0.1	1.38	<0.1	2.2	0.2	3.4	0.2	3.2	0.2	2.6	0.2	3.5	0.3	3.3	0.2	2.15	0.0	1.5	0.2
5	1.9	0.1	1.36	0.1	1.84	<0.1	2.9	0.2	4.4	0.3	4.1	0.3	3.4	0.3	4.6	0.4	4.3	0.2	2.7	0.0	1.9	0.1
6	2.3	0.1	1.5	0.1	2.3	<0.1	3.6	0.2	5.4	0.3	5.0	0.3	4.2	0.3	5.7	0.2	5.3	0.2	3.25	<0.1	2.3	0.2
7	2.7	0.1	1.64	0.1	2.76	<0.1	4.3	0.2	6.4	0.2	5.9	0.2	5.0	0.3	6.8	0.2	6.3	0.2	3.8	<0.1	2.7	0.2
8	3.1	0.1	1.78	0.1	3.22	<0.1	5.0	0.2	7.4	0.2	6.8	0.2	5.8	0.3	7.9	0.3	7.3	0.2	4.35	0.2	3.1	0.2
9	3.5	0.1	1.92	0.1	3.68	<0.1	5.7	0.2	8.4	0.2	7.7	0.2	6.6	0.3	9.0	0.3	8.3	0.1	4.9	0.2	3.5	0.2
10	3.9	0.1	2.06	0.1	4.14	<0.1	6.4	0.2	9.4	0.2	8.6	0.2	7.2	0.2	10.1	0.2	9.3	0.1	5.45	0.1	3.9	0.15
11	4.3	0.1	2.2	0.1	4.6	<0.1	7.1	0.1	10.4	0.1	9.5	0.2	8.0	0.1	11.2	0.1	10.3	0.1	6.0	0.1	4.3	0.10
12	4.4	0.0	2.8	0.0	4.6	0.0	7.5	0.0	11.4	0.0	10.1	0.0	9.2	0.0	11.6	0.0	10.4	0.0	6.2	0.0	5.1	0.0
Feature Type (riffle, run, or pool)	Run		Riffle		Riffle		Run		Riffle		Run											
depths less than 0.1m?																						

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Transects in order of up to downstream.

Mark dry depth measurements as 0; measurements less than 0.1m as < 0.1; and greater than 1m as > 1

Measurement 1 depth = 0.1m (unless depth is insufficient); Measurement 11 depth = 0.1m (unless depth is insufficient); Measurement 12 distance = entire wetted width distance and depth = 0m.

Signed: Renee Martin Date: 5/10/07

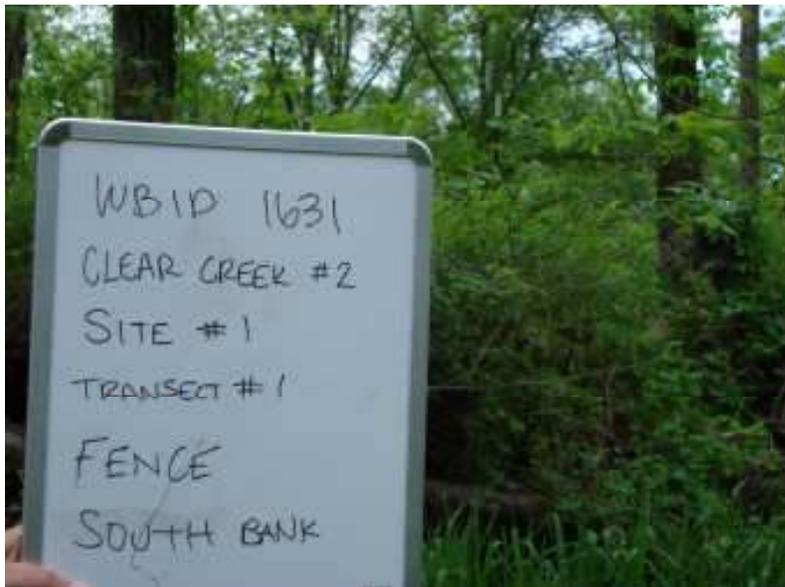
WBID# 1631



Site# 1 Photo ID# 1631-1-56, Upstream



Site# 1 Photo ID# 1631-1-57, Downstream



Site# 1 Photo ID# 1631-1-58, Fence



Site# 2 Photo ID# 1631-2-67, Upstream

WBID# 1631



Site# 2 Photo ID# 1631-2-68, Downstream