

Use Attainability Analysis

for

WBID 1552 Cedar Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

Date Received: October 31, 2006

**Field Data Sheets for Recreational Use Stream Surveys**

**Data Sheet A - Water Body Identification**

RECEIVED  
OCT 31 2006  
WATER PROTECTION PROGRAM

Water Body Name (from USGS 7.5' quad):	Cedar Creek
8-digit HUC:	10290203
Missouri WBID #:	1552
County:	Gasconade
Upstream Legal Description:	Mouth
Downstream Legal Description:	15, 42H, 6W
Upstream Coordinates:	624, 466, Easting 4, 249, 726, 76 Northing
Downstream Coordinates:	622, 286, 08 Easting 4, 251, 836, 85 Northing
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Scott Hoffman / A lease Union 314-416-2960
Organization:	Mo. Dept of Nat. Resources / St. Louis Regional office
Position:	Environmental Specialists

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

Signed: Scott Hoffman Date: 10/25/06

Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 1552-01	Site Location Description: 1/4/1/4 SEC. 15 THZN. R. 6W.
Site GPS Coordinates: 38.387142 -91.574148	
Date & Time: 10/25/06 9:46 a.m.	Facility Name: NA
Personnel: Scott Hoffmann Alone Ohio	Permit Number: NA
Current Weather Conditions: cloudy	Weather Conditions for Past 7 days: partly/mostly cloudy rain showers
Photo Ids: upstream: 1552-01-1	Downstream: 1552-01-2 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.)				

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"/> Other: cattle pasture	

Evidence of Human Use\*:

<input 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 swing	<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.

# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: 1552 - 01

**Stream Morphology:**

**Upstream View Physical Dimensions:**

Riffle	Width (ft): [17.75']	Length (ft): [31.5']	Avg. Depth (ft): [.42']	Max. Depth (ft): [.83']
Run	Width (ft): 17'9"	Length (ft): 34'6"	Avg. Depth (ft): (.5")	Max. Depth (ft): (10")
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Estimated (ft <sup>3</sup> /sec):

**Downstream View Physical Dimensions:**

Riffle	Width (ft): [7.2']	Length (ft):	Avg. Depth (ft): [.67']	Max. Depth (ft): [1.1']
Run	Width (ft): 21'2"	Length (ft): ~90'	Avg. Depth (ft): (.8")	Max. Depth (ft): (12")
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Estimated (ft <sup>3</sup> /sec):

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

40% Cobble	45% Gravel	10% Sand	5% Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

lots of duckweed & algae,

**Water Characteristics\*:** (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None <input checked="" type="radio"/>	Other:
Color:	Clear <input checked="" type="radio"/>	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None <input checked="" type="radio"/>	Other:
Surface Deposit:	Oil	Scum <input checked="" type="radio"/>	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: 10/25/06

Organization: Mo. Dept. of Nat. Resources / SLRO

Position: Environmental Specialist III

WBID 1552-01 – downstream



WBID 1552-01 – upstream



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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

Missouri WBID #: 1552-02	Site Location Description: NE 1/4 SW 1/4 SEC. 10 T. 42N. R. 6W.		
Site GPS Coordinates:	38.396775 -91.586750		
Date & Time: 10/25/06 10:00 A.M.	Facility Name: NA		
Personnel: Scott Hoffman Alene Onion	Permit Number: NA		
Current Weather Conditions: cloudy	Weather Conditions for Past 7 days: partly/mostly cloudy rain showers		
Photo Ids: Upstream: 1552-02-1	Downstream: 1552-02-2	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.)				

**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"/> Other: pasture	

### Evidence of Human Use\*:

<input 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 swing	<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: trash-soda bottles				

**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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# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: 1552-02

**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): 40'	Length (ft): 98'	Avg. Depth (ft): 3'	Max. Depth (ft): 5'
Flow	Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Estimated (ft <sup>3</sup> /sec):	

**Downstream View Physical Dimensions:**

Riffle	Width (ft): 15'	Length (ft): 87.33ft	Avg. Depth (ft): 2"	Max. Depth (ft): 6"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Estimated (ft <sup>3</sup> /sec):	

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

50% Cobble	40% Gravel	% Sand	10 % Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

Lots of bottom algae

**Water Characteristics\*:** (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Blue Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other: 60% covered w/ algae
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: X. Salt Woffe Date: 10/25/06

Organization: Mo. Dept. of Nat. Resources / SLRO

Position: Environmental Specialist

WBID 1552-02 – downstream



WBID 1552-02 – upstream



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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

Missouri WBID #: <b>1552-03</b>	Site Location Description: <b>1/4 NE 1/4 SEC. 9 T42N. R.6W.</b>		
Site GPS Coordinates: <b>38.406198 -91.599232</b>			
Date & Time: <b>10/25/06 10:25a.m.</b>	Facility Name: <b>NA</b>		
Personnel: <b>Scott Hoffman Alex Orion</b>	Permit Number: <b>NA</b>		
Current Weather Conditions: <b>cloudy</b>	Weather Conditions for Past 7 days: <b>partly/mostly cloudy rain showers</b>		
Photo Ids: Upstream: <b>1552-03-1</b>	Downstream: <b>1552-03-2</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.)

**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"/> Other: <b>pasture</b>	

**Evidence of Human Use\*:**

<input 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 swing	<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: <b>cropland</b>				

**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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# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: 1552-03

**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): 40'	Length (ft): 40'	Avg. Depth (ft): 4'	Max. Depth (ft): 6'
Flow	Present?	<input checked="" type="radio"/> Yes <sup>minimal</sup> <input type="radio"/> No		Estimated (ft <sup>3</sup> /sec):

**Downstream View Physical Dimensions:**

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft): 50'	Length (ft): 250'	Avg. Depth (ft): 0	Max. Depth (ft): 0
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	<input checked="" type="radio"/> Yes <sup>minimal</sup> <input type="radio"/> No		Estimated (ft <sup>3</sup> /sec):

no flow for ~150 ft.

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

30% Cobble	30% Gravel	5% Sand	30% Silt	% Mud/Clay	5% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

**Water Characteristics\*:** (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Blue 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: K. J. Haffke Date: 10/25/06

Organization: Mo. Dept. of Nat. Resources/SLRO

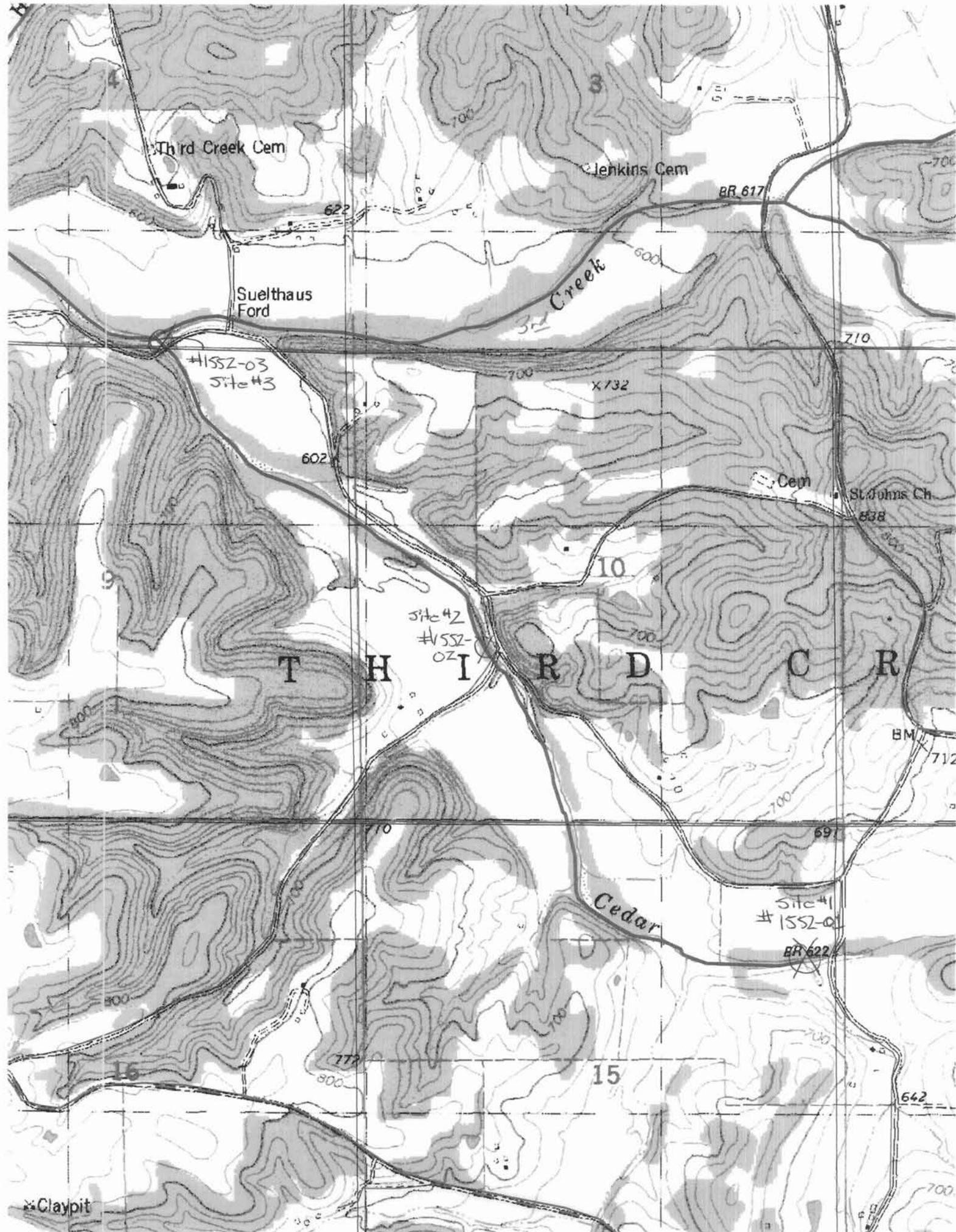
Position: Environmental Specialist III

WBID 1552-03 – downstream



WBID 1552-03 – upstream





Third Creek Cem

Jenkins Cem

BR 617

Suelthaus Ford

3rd Creek

#1552-03  
Site #3

Cem

St. Johns Ch

Site #2  
#1552-02

T H I R D C R

BM

Cedar

Site #1  
#1552-01  
BR 622

Claypit