Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 1694 Tributary to Labadie Creek

Submitted by
Pickett Ray and Silver

To
Missouri Department of Natural Resources
Water Protection Program

Date Received: June 5, 2007

WBID #: 1694

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):	Tributary to Labadie Creek
Missouri Waterbody Identification (WBID) Number:	1694 - Tributary to Labadie Creek
8-digit HUC: 10300200	County: Franklin
Upstream Legal Description (from Table H):	43N, 02E, Section 06
Downstream Legal Description(from Table H):	Mouth
Number of sites evaluated	3
List all sites numbers, listed consequently upstream to downstream:	1694-1, 1694-2, 1694-3

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. Subegmentation (fill this section out only in cases where subesgmentation is being proposed)

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)	
Upstream Coordinates: UTM X Y	Downstream Coordinates: 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)

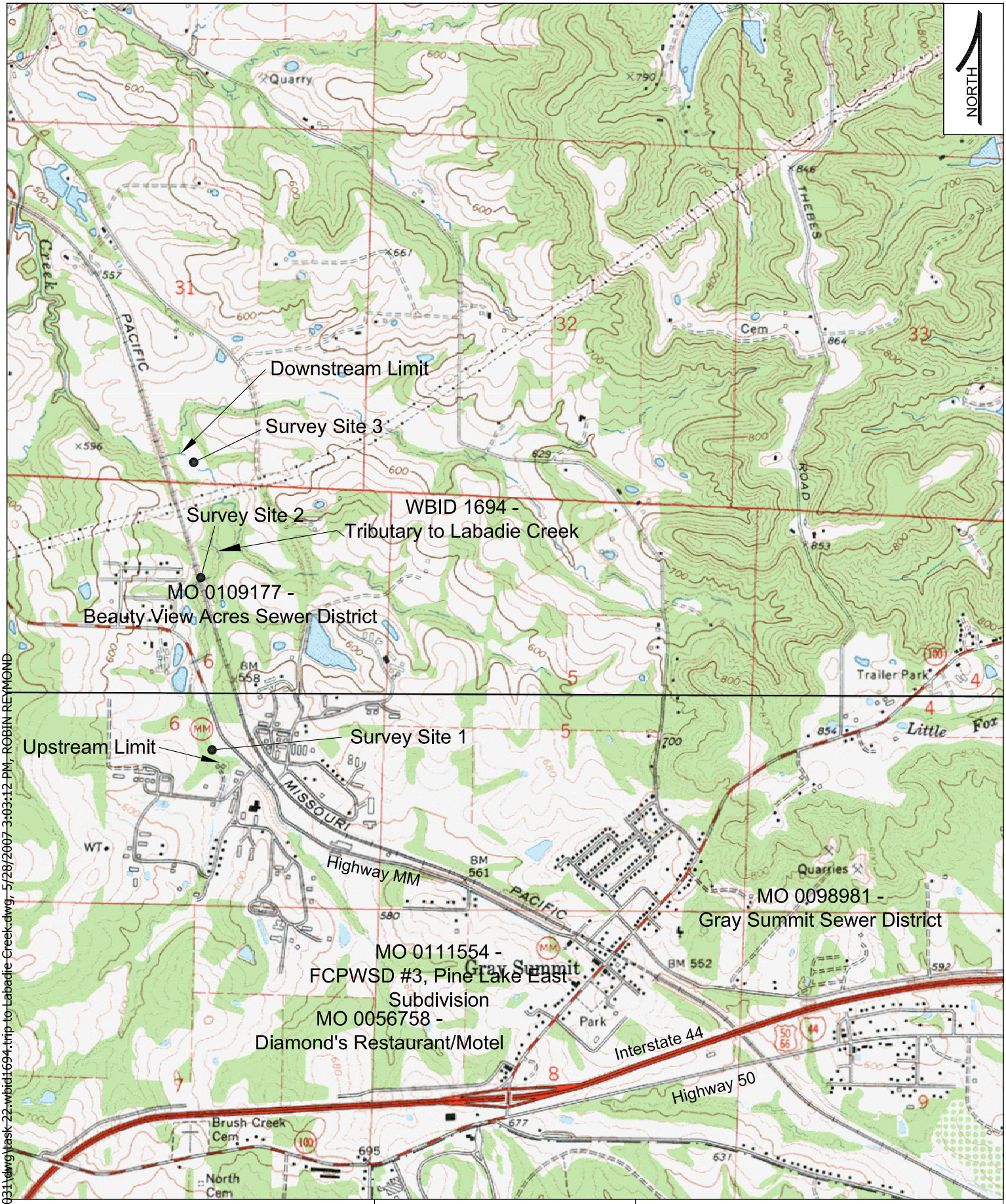
Discharger Facility Name(s):	Diamond's Restaurant, Gray Summit SD, Beauty View Acres SD, FCPWSD #3 Pine Lake
Discharger Permit Number(s):	MO 0056758, MO 0098981, MO 0109177, MO 0111554

IV. UAA Surveyor (please print legibly)

Name of Surveyor Robin Reymond	Telephone Number: 636-397-1211
Organization/Employer: Pickett, Ray & Silver, Inc.	
Position: Field Team Leader	

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

Signed: Robin Reymond **Date:** 5/10/07



\\3server\prs\Projects\07031\dwg\task 22-wbid1694.trip to Labadie Creek.dwg, 5/28/2007 3:03:12 PM, ROBIN REYMOND

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

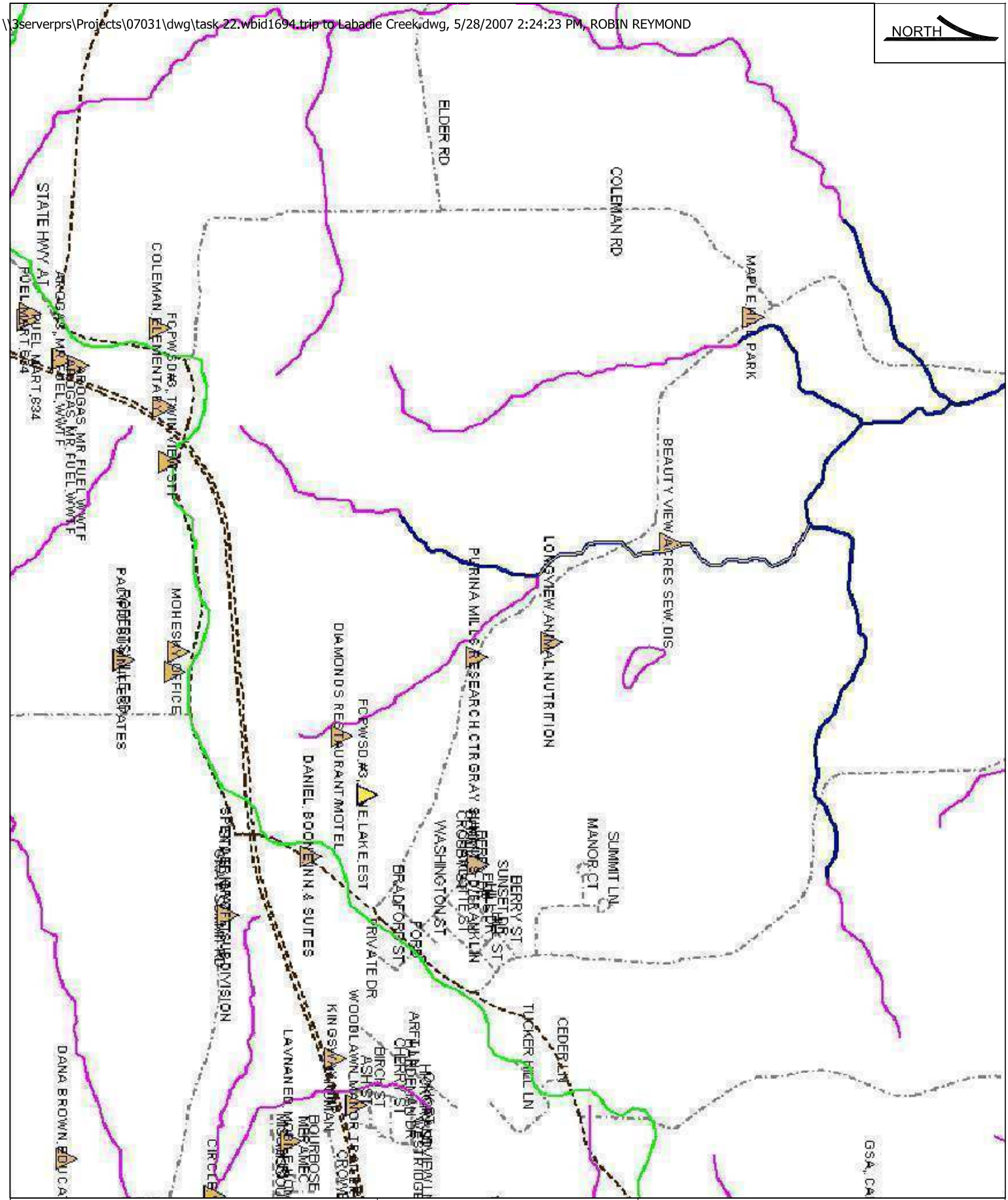
© Copyright 2007 by Pickett Ray & Silver, Inc.
CONFIDENTIAL PROPRIETARY MATERIAL The use, reproduction and sales rights of this drawing are reserved by Pickett, Ray & Silver Inc.

WBID #: 1694
Tributary to Labadie Creek
County: Franklin
USGS Location Map

GRAPHIC SCALE
Not to Scale

PRS Job Number: 07031.MODN.00E
Drawn By: RLR Date: 05-28-07
Checked By : JCV Date: 05-28-07

\\3serverprs\Projects\07031\dwg\task 22.wbid1694.trip to Labadie Creek.dwg, 5/28/2007 2:24:23 PM, ROBIN REYMOND



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	WBID #: 1694 Tributary to Labadie Creek County: Franklin GIS Map	GRAPHIC SCALE Not to Scale PRS Job Number: 07031.MODN.00E Drawn By: RLR Date: 05-28-07 Checked By : JCV Date: 05-28-07

© Copyright 2007 by Pickett Ray & Silver, Inc.
CONFIDENTIAL PROPRIETARY MATERIAL The use, reproduction and sales rights of this drawing are reserved by Pickett, Ray & Silver Inc.

WBID# 1694
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 10: 30 a.m.	Site Location Description (e.g., road crossing): Downstream of bridge @ Checkerboard Lane
Personnel (Data Collectors): PRS - RR/MC	
Current Weather Conditions: cloudy 72°F	Facility Name: Diamonds Rest./Gray Summit SD/Beauty View Acres SD/ FCPWSD #3 Pine Lake
Weather Conditions for Past 10 days: rain/sun	Permit Number: MO 0056758, MO 009891, MO 0109177, MO 0111554

Drought Conditions?: No drought ■; Phase I ☐; Phase II ☐; Phase III ☐; Phase IV ☐; Unknown ☐

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)

Site GPS Coordinates: UTM X: 688722.174m Y: 4263176.445m

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 Correction with	X
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 _____
EPE	± _____Feet or ± _____Meters	± _____Feet or ± _____Meters
PDOP	4.0	

Photos:

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
See Attached Photos					

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

☐ 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, photo-documentation of evidence of recreational uses, etc. Use *Data Sheet D- Recreational Use Interview* when conducting interviews.)

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	■ None of the above	☐ Other:

Comments:

Indications of Human Use*: (attach photos)

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

Comments:

.

* **Page Two – Data Sheet B for WBID #** 1694-1 **:**

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

Approximate percentage of channel features for entire segment site

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	20%					
RUN	70%					
POOL	10%					

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

25	% Cobble	25	% Gravel		% Sand	10	% Silt	15	% Mud/Clay	25	% Bedrock

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

15% vegetation on gravel bars

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	■ None	☐ Other:
Color:	☐ Clear	☐ Green	■ Gray slightly	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	■ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	■ Foam	☐ None	☐ 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: Robin Reymond Date of Survey: 5/10/07

Organization: Pickett, Ray & Silver, Inc. Position: _____

Recreational Use Attainability Analysis Field Survey Sheet

Waterbody ID: 1694 Site #: 1

Weather Conditions: Cloudy 72°F

GPS Location:
UTM X: 68872.174m UTM Y: 4263176.445m
Horizontal Accuracy Estimate (GPS Data Quality): +/- N/A (feet) PDOP: 4.0

Average Stream Width: 3.0 (meters) Length of Survey Segment: 150 (meters)

Field Staff: PRS - RR/MC

Dissolved Oxygen

Dissolved Oxygen: 7.25 (mg/L)

Dissolved Oxygen: _____ (% sat)

Specific Cond: _____ (µS/cm)

Water Temperature: 20.9 (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
1	0	.16	0	.10	.25	.04	0.2	.11	0	.10		>1	.25	.13	0	.10	0	.10	0.5	.10	0.3	.10
2	.05	.16	.18	.13	.50	.05	0.3	.13	.1	.11		>1	.65	.21	.15	.10	.85	.10	0.6	.10	0.45	.10
3	.1	.16	.36	.21	.75	.03	0.4	.13	.2	.11		>1	1.1	.25	.3	.10	1.7	.00	0.7	.15	0.6	.15
4	.2	.13	.54	.25	1.0	.04	0.5	.14	.3	.11		>1	1.55	.27	.45	.10	2.55	.00	0.8	.15	0.75	.20
5	.3	.13	.72	.26	1.25	.11	0.6	.15	.4	.10		>1	2.0	.31	.6	.09	3.4	.18	0.9	.18	0.9	.23
6	.4	.13	0.9	.23	1.50	.02	0.7	.15	.5	.10		>1	2.45	.30	.75	.10	4.25	.23	1.0	.22	1.05	.20
7	.5	.10	1.08	.23	1.75	.03	0.8	.15	.6	.11		>1	2.9	.27	.9	.10	5.1	.42	1.1	.30	1.2	.20
8	.6	.10	1.26	.20	2.0	.02	0.9	.10	.7	.10		>1	3.35	.15	1.05	.10	5.95	.42	1.2	.20	1.35	.19
9	.7	.08	1.44	.18	2.25	.01	1.0	.10	.8	.11		>1	3.8	.10	1.2	.09	6.8	.42	1.3	.20	1.5	.11
10	.8	.09	1.62	.15	2.5	.01	1.1	.11	.9	.15		>1	4.25	.10	1.35	.10	7.65	.36	1.4	.15	1.65	.10
11	.9	.10	1.8	.10			1.2	.11	1.0	.16			4.5	.10	1.5	.10	8.5	.24	1.5	.13	1.8	.10
Width/Median Depth	.9	0.13	1.8	0.20	2.5	0.03	1.5	0.13	1.8	0.11	5.0	-	4.5	0.25	3	0.10	8.5	.23	.15	1.8	1.8	0.15
Feature Type (riffle, run, or pool)	Run		Run		Riffle		Riffle		Riffle		Pool		Run		Run		Run		Run		Run	

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.

Signed: Robin Reymond Date: 5/10/07

WBID# 1694
Site# 2

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: 15 a.m.	Site Location Description (e.g., road crossing): Downstream of bridge on Hwy. MM
Personnel (Data Collectors): PRS - RR/MC	
Current Weather Conditions: cloudy 80°F	Facility Name: Diamonds Rest./Gray Summit SD/Beauty View Acres SD/ FCPWSD #3 Pine Lake
Weather Conditions for Past 10 days: rain/sun	Permit Number: MO 0056758, MO 009891, MO 0109177, MO 0111554

Drought Conditions?: No drought ■; Phase I ☐; Phase II ☐; Phase III ☐; Phase IV ☐; Unknown ☐

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)

Site GPS Coordinates: UTM X: 688467.018m Y: 4263659.523m

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 Correction with	X
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 _____
EPE	± _____Feet or ± _____Meters	± _____Feet or ± _____Meters
PDOP	4.0	

Photos:

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
See Attached Photos					

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

☐ 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, photo-documentation of evidence of recreational uses, etc. Use *Data Sheet D- Recreational Use Interview* when conducting interviews.)

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	■ None of the above	☐ Other:

Comments:

Indications of Human Use*: (attach photos)

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

Comments:

.

* **Page Two – Data Sheet B for WBID #** 1694-2 **:**

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

Approximate percentage of channel features for entire segment site

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	90%					
POOL	10%					

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

33 % Cobble	34 % Gravel	% Sand	33 % Silt	% Mud/Clay	% Bedrock

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

15% vegetation on gravel bars

Water Characteristics*: (Mark all that apply.)

Odor:	■ Sewage	☐ Musky	☐ Chemical	☐ None	☐ Other:
Color:	☐ Clear	■ Green murky	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	■ Fine sediments	☐ None	☐ Other:
Surface Deposit:	■ Oil	■ Scum	■ Foam	☐ None	☐ 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: Robin Reymond Date of Survey: 5/10/07

Organization: Pickett, Ray & Silver, Inc. Position: _____

.

Recreational Use Attainability Analysis Field Survey Sheet

Waterbody ID: 1694 Site #: 2

Weather Conditions: cloudy 80°F

GPS Location:
UTM X: 688467.018m UTM Y: 4263659.523m
Horizontal Accuracy Estimate (GPS Data Quality): +/- N/A (feet) PDOP: 4.3

Average Stream Width: 7.9 (meters) Length of Survey Segment: 160 (meters)

Field Staff: PRS - RR/MC

Dissolved Oxygen

Dissolved Oxygen: 6.65 (mg/L)

Dissolved Oxygen: _____ (% sat)

Specific Cond: _____ (µS/cm)

Water Temperature: 20.5 (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
1	0	.15	0	.10	0	.10	0	.10	0	.10	0	.10		>1		>1		>1		>1		>1
2	.3	.15	.6	.13	.5	.13	.75	.18	.8	.20	.8	.23		>1		>1		>1		>1		>1
3	.6	.17	1.2	.15	1.0	.26	1.5	.25	1.6	.22	1.6	.20		>1		>1		>1		>1		>1
4	.9	.19	1.8	.20	1.5	.30	2.25	.30	2.4	.10	2.4	.18		>1		>1		>1		>1		>1
5	1.2	.22	2.4	.21	2.0	.30	3.0	.20	3.2	.09	3.2	.15		>1		>1		>1		>1		>1
6	1.5	.26	3.0	.15	2.5	.30	3.75	.00	4.0	.10	4.0	.20		>1		>1		>1		>1		>1
7	1.8	.30	3.6	.10	3.0	.34	4.5	.00	4.8	.18	4.8	.32		>1		>1		>1		>1		>1
8	2.1	.29	4.2	.00	3.5	.34	5.25	.30	5.6	.18	5.6	.40		>1		>1		>1		>1		>1
9	2.4	.23	4.8	.00	4.0	.30	6.0	.25	6.4	.23	6.4	.44		>1		>1		>1		>1		>1
10	2.7	.18	5.4	.09	4.5	.30	6.75	.20	7.2	.28	7.2	.60		>1		>1		>1		>1		>1
11	3.0	.10	6	.10	4.8	.30	7.5	.13	8.0	.11	8	.60										
Width/Median Depth	3	0.19	6	0.10	4.8	0.30	7.5	0.25	8	0.18	8	0.23	6	-	9	-	7.5	-	12	-	15	-
Feature Type (riffle, run, or pool)	Run		Run		Pool		Run		Run		Run		Run		Run		Run		Run		Run	

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.

Signed: Robin Reymond Date: 5/10/07

WBID# 1694
Site# 3

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

Date & Time: 5/10/07 1:45 p.m.	Site Location Description (e.g., road crossing): Downstream of man-made lake
Personnel (Data Collectors): PRS - RR/MC	
Current Weather Conditions: p. cloudy 82°F	Facility Name: Diamonds Rest./Gray Summit SD/Beauty View Acres SD/ FCPWSD #3 Pine Lake
Weather Conditions for Past 10 days: rain/sun	Permit Number: MO 0056758, MO 009891, MO 0109177, MO 0111554

Drought Conditions?: No drought ■; Phase I ☐; Phase II ☐; Phase III ☐; Phase IV ☐; Unknown ☐

Site Locations:

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)

Site GPS Coordinates: UTM X: 688366.001m Y: 4264588.300m

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 Correction with	X
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 _____
EPE	± _____Feet or ± _____Meters	± _____Feet or ± _____Meters
PDOP	6.0	

Photos:

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
See Attached Photos					

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

☐ 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, photo-documentation of evidence of recreational uses, etc. Use *Data Sheet D- Recreational Use Interview* when conducting interviews.)

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	■ None of the above	☐ Other:

Comments:

Indications of Human Use*: (attach photos)

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

Comments:

.

* **Page Two – Data Sheet B for WBID #** 1694-3 **:**

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

Approximate percentage of channel features for entire segment site

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	100%					
POOL						

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

33 % Cobble	33 % Gravel	% Sand	34 % Silt	% 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 murky	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	■ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	■ None	☐ 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: Robin Reymond Date of Survey: 5/10/07

Organization: Pickett, Ray & Silver, Inc. Position: _____

.

Recreational Use Attainability Analysis Field Survey Sheet

Waterbody ID: 1694 Site #: 3

Weather Conditions: p. cloudy 82°F

GPS Location:
UTM X: 688366.001m UTM Y: 4264588.00m
Horizontal Accuracy Estimate (GPS Data Quality): +/- N/A (feet) PDOP: 6.0

Average Stream Width: (meters) Length of Survey Segment: (meters)

Field Staff: PRS - RR/MC

Dissolved Oxygen

Dissolved Oxygen: 6.55 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 24.01 (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
1	Impounded lake										Channelized rip rap from lake discharge		0	.30		>1		>1		>1	0	.30
2													.5	.40		>1		>1		>1	.6	.60
3	>1m depths												1.0	.55		>1		>1		>1	1.2	.73
4													1.5	.72		>1		>1		>1	1.8	.75
5													2.0	.60		>1		>1		>1	2.4	.68
6													2.5	.40		>1		>1		>1	3.0	.62
7													3.0	.23		>1		>1		>1	3.6	.60
8													3.5	.10		>1		>1		>1	4.2	.36
9													4.0	.19		>1		>1		>1	4.8	.20
10													4.75	.20		>1		>1		>1	5.4	.19
11													5.5	.10							6.0	.10
Width/Median Depth													5.5	0.30	4.5	-	4.5	-	6.0	-	6.0	0.60
Feature Type (riffle, run, or pool)													Run		Run		Run		Run		Run	

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.

Signed: Robin Reymond Date: 5/10/07

WBID# 1694

Site# 1 Photo ID# Transect 1, Upstream

Site# 1 Photo ID# Transect 6, Downstream

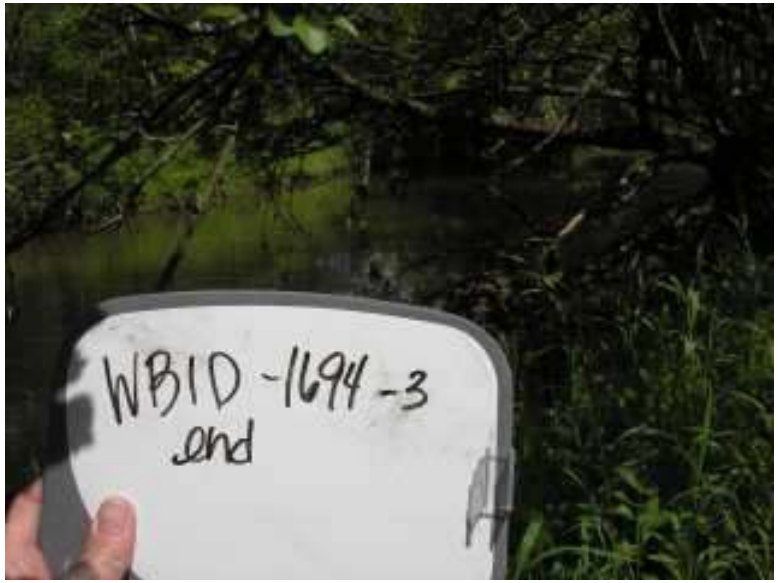
Site# 1 Photo ID# Transect 6, Spring discharging into survey stream.

Site# 2 Photo ID# Transect 1, Upstream

WBID# 1694

Site# 2 Photo ID# Transect 1, Upstream

Site#2 Photo ID# Transect 11, Downstream



Site# 3 Photo ID# Transect 11, Downstream

Site# 3 Photo ID# Transect 11, View of confluence

WBID# 1694

Site# 3 Photo ID# Transect 7, Upstream

Site# 3 Photo ID# Downstream from impoundment levee

Site# 3 Photo ID# View of lake created within survey stream