Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 0811 East Brush Creek

Submitted by
SES, Inc.

To
Missouri Department of Natural Resources
Water Protection Program

Date Received: June 3, 2007

Field Data Sheets for Recreation Use Stream Surveys
Data Sheet A - Water Body Identification
(For water body being surveyed)

Water Body Information

Water Body Name:	East Brush Creek	WBID:	811
8 digit HUC code:	10300102	County:	Moniteau
Upstream Legal Description	45N 15W 16		
Downstream Legal Description	46N 14W 19		
Number of Sites Evaluated	5		
List all site numbers, listed upstream to downstream		5,4,3,2,1	

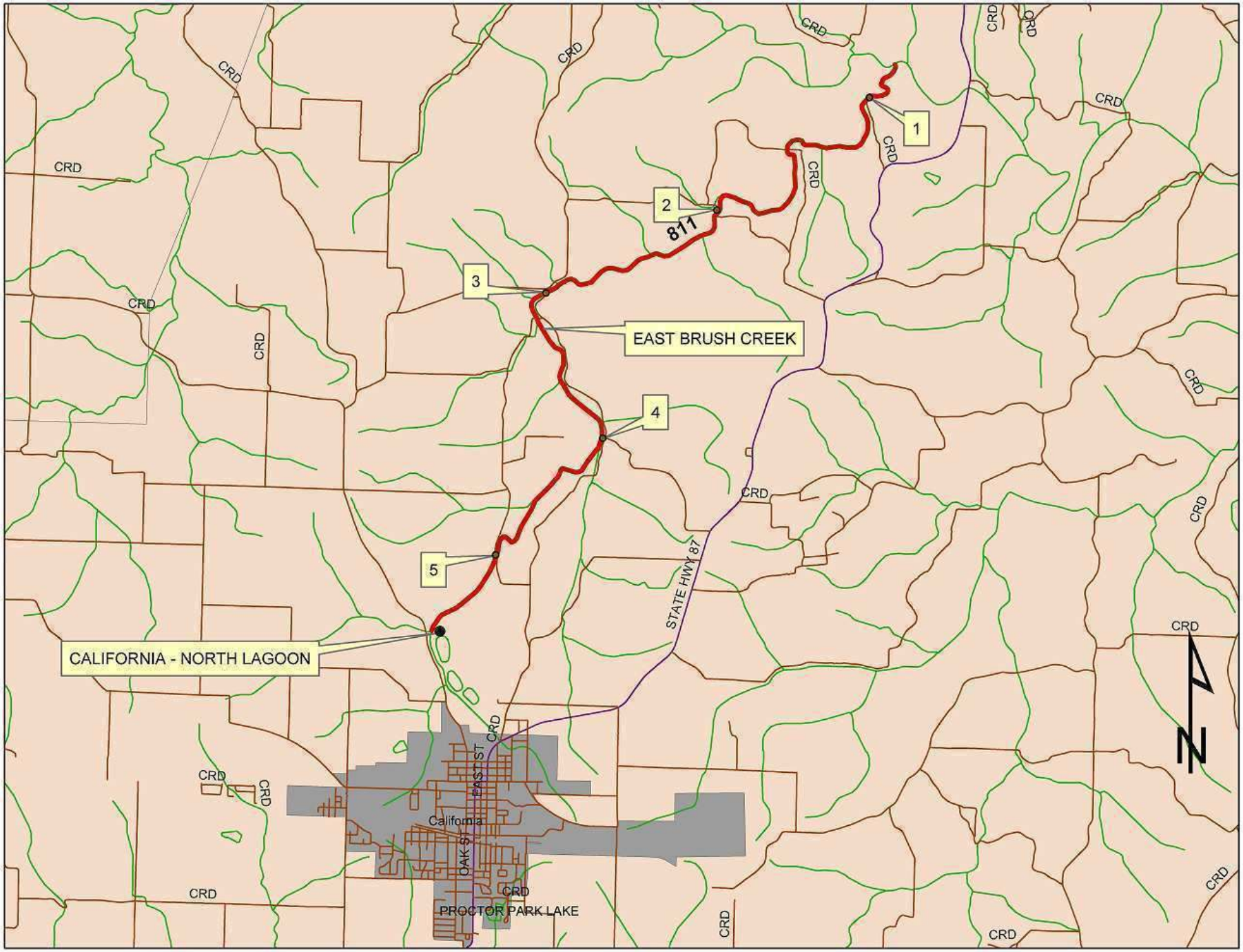
Discharger Facility Information

Discharger Facility Name(s):	California N. Lagoon
Discharger Permit Number(s):	MO0023281

UAA Surveyor

Name of Surveyor:	Gilisa Gould	Telephone Number:	(913)307-0054 Ext. 19
Organization/Employer:	SES, Inc.		
Position:	Field Team Leader		

Signed:_____D ate:_____


1
2
3
4
5
811
EAST BRUSH CREEK
CALIFORNIA - NORTH LAGOON
STATE HWY 87
EAST ST
OAK ST
California
PROCTOR PARK LAKE
CRD
N

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

WBID 811
Site # 1

Date and Time: 5/16/2007 19:30

Current Weather Conditions clear

Weather Conditions for Past 10 days: Rained about 1 inch in the local area

Drought Conditions? No

Site Location (e.g. road crossing)

GPS Mark: 36

Upstream Photo 76 Downstream Photo 75

Uses Observed (Uses actually observed at time of survey) Circle

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	***None of the Above***	Other	

Surrounding Conditions

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	

Indications of Human Use

Roads ***See Picture #77***	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

WBID # 811 **Site #** 1
Mark # 36 **Dissolved Oxygen (ppm)** 10.5
Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? yes

Select one of the following channel features:

	% of Channel Feature				
Riffle	36				
Run	0				
Pool	64				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? yes

Substrate:

% Cobble	% Gravel	% Sand	% Silt
0	63	6	31

% Mud/Clay	% Bedrock
0	0

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

Water Characteristics

Odor	Sewage	Musky	Chemical	***None***	Other
Color	***Clear***	Green	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	***None***	Other
Surface Deposit	Oil	Scum	Foam	***None***	Other

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)
(Median Depth Shown in Bold)

Site # 1 Mark # 36 0811_East Brush Creek_Moniteau

	Depth (m)		Depth (m)		Depth (m)
Transect 1	0.10	**Transect 5**	0.00	**Transect 9**	0.30
Substrate:	0.15	Substrate:	0.00	Substrate:	0.40
gravel/sand	0.15	gravel	0.05	gravel/silt	0.50
Water Clarity:	0.15	Water Clarity:	0.10	Water Clarity:	0.60
clear	0.20	clear	0.10	clear	0.60
Channel Feature:	0.20	Channel Feature:	0.10	Channel Feature:	0.65
riffle	0.15	riffle	0.15	pool	0.70
Channel Width:	0.10	Channel Width:	0.15	Channel Width:	0.95
8 yards	0.05	5 yards	0.15	13 yards	0.95
0.15	0.00	**0.10**	0.15	**0.63**	0.80
Transect 2	0.00	**Transect 6**	0.35	**Transect 10**	0.05
Substrate:	0.05	Substrate:	0.30	Substrate:	0.10
gravel	0.05	gravel/silt	0.30	gravel/silt	0.10
Water Clarity:	0.10	Water Clarity:	0.30	Water Clarity:	0.10
clear	0.10	clear	0.10	clear	0.05
Channel Feature:	0.10	Channel Feature:	0.05	Channel Feature:	0.05
riffle	0.10	pool	0.10	pool	0.15
Channel Width:	0.10	Channel Width:	0.15	Channel Width:	0.50
8 yards	0.20	12 yards	0.15	8 yards	0.70
0.10	0.20	**0.15**	0.15	**0.10**	0.75
Transect 3	0.00	**Transect 7**	0.30	**Transect 11**	0.05
Substrate:	0.05	Substrate:	0.30	Substrate:	0.15
gravel	0.10	gravel/silt	0.20	gravel/silt	0.25
Water Clarity:	0.10	Water Clarity:	0.20	Water Clarity:	0.30
clear	0.10	clear	0.40	clear	0.50
Channel Feature:	0.05	Channel Feature:	0.75	Channel Feature:	0.50
riffle	0.10	pool	1.00	pool	0.50
Channel Width:	0.10	Channel Width:	1.00	Channel Width:	0.75
10 yards	0.10	12 yards	1.00	7 yards	0.80
0.10	0.15	**0.58**	1.00	**0.50**	0.80
Transect 4	0.00	**Transect 8**	0.60		
Substrate:	0.05	Substrate:	0.60	**Site Median**	**Site Maximum**
	0.05	gravel/silt	0.80	**0.15**	**1.00**
Water Clarity:	0.15	Water Clarity:	0.80		
clear	0.20	clear	1.00		
Channel Feature:	0.15	Channel Feature:	1.00		
pool	0.15	pool	1.00		
Channel Width:	0.20	Channel Width:	1.00		
13 yards	0.15	12 yards	1.00		
0.15	0.20	**1.00**	1.00		

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

WBID 811
Site # 2

Date and Time: 5/17/2007 11:30

Current Weather Conditions clear

Weather Conditions for Past 10 days: Rained about 1 inch in the local area

Drought Conditions? No

Site Location (e.g. road crossing) crossing on Oak Grove Rd.

GPS Mark: 37

Upstream Photo 80 Downstream Photo 81

Uses Observed (Uses actually observed at time of survey) Circle

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	***None of the Above***	Other	

Surrounding Conditions

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	

Indications of Human Use

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

WBID # 811 **Site #** 2
Mark # 37 **Dissolved Oxygen (ppm)** 11.1
Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? yes

Select one of the following channel features:

	% of Channel Feature				
Riffle	36				
Run	9				
Pool	55				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? yes

Substrate:

% Cobble	% Gravel	% Sand	% Silt
6	56	13	25

% Mud/Clay	% Bedrock
0	0

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

5%

Water Characteristics

Odor	***Sewage***	Musky	Chemical	None	Other
Color	***Clear***	Green	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	***None***	Other
Surface Deposit	Oil	Scum	Foam	***None***	Other

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)
(Median Depth Shown in Bold)

Site # 2 Mark # 37 0811_East Brush Creek_Moniteau

	Depth (m)		Depth (m)		Depth (m)
Transect 1	0.00	**Transect 5**	0.00	**Transect 9**	0.05
Substrate:	0.05	Substrate:	0.10	Substrate:	0.10
cobble/gravel	0.10	gravel/silt	0.10	gravel/sand	0.15
Water Clarity:	0.20	Water Clarity:	0.25	Water Clarity:	0.00
clear	0.25	clear	0.50	clear	0.00
Channel Feature:	0.25	Channel Feature:	0.50	Channel Feature:	0.00
run	0.20	pool	0.30	riffle	0.00
Channel Width:	0.10	Channel Width:	0.20	Channel Width:	0.00
2 yards	0.10	8 yards	0.10	14 yards	0.05
0.10	0.05	**0.15**	0.05	**0.03**	0.05
Transect 2	0.05	**Transect 6**	0.05	**Transect 10**	0.00
Substrate:	0.10	Substrate:	0.10	Substrate:	0.05
gravel	0.15	gravel/silt	0.40	gravel/sand	0.00
Water Clarity:	0.20	Water Clarity:	0.50	Water Clarity:	0.20
clear	0.25	clear	0.50	clear	0.10
Channel Feature:	0.30	Channel Feature:	0.50	Channel Feature:	0.10
pool	0.30	pool	0.45	riffle	0.05
Channel Width:	0.25	Channel Width:	0.30	Channel Width:	0.05
5 yards	0.10	8 yards	0.15	19 yards	0.10
0.18	0.10	**0.35**	0.05	**0.08**	0.10
Transect 3	0.00	**Transect 7**	0.00	**Transect 11**	0.05
Substrate:	0.05	Substrate:	0.05	Substrate:	0.35
	0.15	gravel/silt	0.05		0.30
Water Clarity:	0.20	Water Clarity:	0.05	Water Clarity:	0.10
	0.35	clear	0.10		0.00
Channel Feature:	0.40	Channel Feature:	0.40	Channel Feature:	0.00
pool	0.35	riffle-->pool	0.40		0.00
Channel Width:	0.25	Channel Width:	0.40	Channel Width:	0.00
7 yards	0.15	10 yards	0.45	23 yards	0.00
0.18	0.10	**0.15**	0.20	**0.00**	0.00
Transect 4	0.00	**Transect 8**	0.05		
Substrate:	0.00	Substrate:	0.10	**Site Median**	**Site Maximum**
gravel/silt	0.05	gravel/silt	0.15	**0.10**	**0.50**
Water Clarity:	0.05	Water Clarity:	0.10		
clear	0.15	clear	0.10		
Channel Feature:	0.35	Channel Feature:	0.05		
pool	0.40	riffle	0.05		
Channel Width:	0.25	Channel Width:	0.00		
9 yards	0.20	7 yards	0.15		
0.10	0.05	**0.10**	0.10		

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

WBID 811
Site # 3

Date and Time: 5.17.07 12:13 PM

Current Weather Conditions clear

Weather Conditions for Past 10 days: Rained about 1 inch in the local area

Drought Conditions? No

Site Location (e.g. road crossing)

GPS Mark: 38

Upstream Photo 83 Downstream Photo 82

Uses Observed (Uses actually observed at time of survey) Circle

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	***None of the Above***	Other	

Surrounding Conditions

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	

Indications of Human Use

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	***None of the Above***

WBID # 811 **Site #** 3
Mark # 38 **Dissolved Oxygen (ppm)** 13.8
Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? no

Select one of the following channel features:

	% of Channel Feature				
Riffle	9				
Run	9				
Pool	82				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? no

Substrate:

% Cobble	% Gravel	% Sand	% Silt
19	50	25	0

% Mud/Clay	% Bedrock
6	0

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

Algal growth heavily covers rocks in some part. Other parts, none.

Water Characteristics

Odor	Sewage	Musky	Chemical	***None***	Other
Color	Clear	***Green***	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	***None***	Other
Surface Deposit	Oil	Scum	Foam	***None***	Other

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)
(Median Depth Shown in Bold)

Site # 3 Mark # 38 0811_East Brush Creek_Moniteau

	Depth (m)		Depth (m)		Depth (m)
Transect 1	0.15	**Transect 5**	0.05	**Transect 9**	0.05
Substrate:	0.20	Substrate:	0.20	Substrate:	0.05
cobble/sand	0.35	gravel	0.10	gravel	0.15
Water Clarity:	0.40	Water Clarity:	0.05	Water Clarity:	0.20
clear	0.45	clear	0.05	clear	0.20
Channel Feature:	0.25	Channel Feature:	0.05	Channel Feature:	0.25
pool	0.20	riffle	0.05	pool	0.25
Channel Width:	0.15	Channel Width:	0.10	Channel Width:	0.20
18 yards	0.10	12 yards	0.00	8 yards	0.20
0.05	0.05	**0.05**	0.00	**0.20**	0.10
Transect 2	0.15	**Transect 6**	0.00	**Transect 10**	0.05
Substrate:	0.25	Substrate:	0.05	Substrate:	0.20
gravel	0.15	cobble/sand	0.10	gravel/sand	0.40
Water Clarity:	0.15	Water Clarity:	0.15	Water Clarity:	0.60
clear	0.15	cloudy	0.20	clear	0.80
Channel Feature:	0.15	Channel Feature:	0.30	Channel Feature:	0.80
pool	0.10	run	0.30	pool	0.85
Channel Width:	0.15	Channel Width:	0.50	Channel Width:	0.80
18 yards	0.10	7 yards	0.45	8 yards	0.60
0.15	0.10	**0.25**	0.35	**0.60**	0.40
Transect 3	0.05	**Transect 7**	0.05	**Transect 11**	0.10
Substrate:	0.05	Substrate:	0.25	Substrate:	0.20
gravel	0.10	cobble/sand	0.30	gravel/clay	0.30
Water Clarity:	0.20	Water Clarity:	0.30	Water Clarity:	0.25
clear	0.25	clear	0.45	cloudy	0.20
Channel Feature:	0.30	Channel Feature:	0.40	Channel Feature:	0.20
pool	0.30	pool	0.35	pool	0.15
Channel Width:	0.35	Channel Width:	0.35	Channel Width:	0.10
14 yards	0.25	14 yards	0.25	7 yards	0.10
0.23	0.15	**0.30**	0.20	**0.18**	0.05
Transect 4	0.05	**Transect 8**	0.05		
Substrate:	0.10	Substrate:	0.15	**Site Median**	**Site Maximum**
gravel	0.10	gravel	0.20	**0.20**	**0.85**
Water Clarity:	0.10	Water Clarity:	0.20		
clear	0.10	clear	0.20		
Channel Feature:	0.15	Channel Feature:	0.15		
pool	0.20	pool	0.15		
Channel Width:	0.20	Channel Width:	0.10		
13 yards	0.20	13 yards	0.20		
0.13	0.20	**0.15**	0.15		

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

WBID 811
Site # 4

Date and Time: 5/17/2007 13:20

Current Weather Conditions clear

Weather Conditions for Past 10 days: Rained about 1 inch in the local area

Drought Conditions? No

Site Location (e.g. road crossing) Where Deer Run and Brush Creek Roads intersect.

GPS Mark: 39

Upstream Photo 85 Downstream Photo 84

Uses Observed (Uses actually observed at time of survey) Circle

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	***None of the Above***	Other	

Surrounding Conditions

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	

Indications of Human Use

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	***None of the Above***

WBID # 811 **Site #** 4
Mark # 39 **Dissolved Oxygen (ppm)** 12
Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current?

Select one of the following channel features:

	% of Channel Feature				
Riffle	27				
Run	18				
Pool	55				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current?

Substrate:

% Cobble	% Gravel	% Sand	% Silt
41	24	24	0

% Mud/Clay	% Bedrock
0	11

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

Heavily covers all bottom and substrate.

Water Characteristics

Odor	Sewage	Musky	Chemical	***None***	Other
Color	Clear	***Green***	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	***Fine Sed.***	None	Other
Surface Deposit	Oil	***Scum***	***Foam***	None	Other

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)
(Median Depth Shown in Bold)

Site # 4 Mark # 39 0811_East Brush Creek_Moniteau

	Depth (m)		Depth (m)		Depth (m)
Transect 1	0.00	**Transect 5**	0.05	**Transect 9**	0.00
Substrate:	0.05	Substrate:	0.10	Substrate:	0.05
cobble/sand	0.15	cobble/sand	0.05	cobble	0.10
Water Clarity:	0.25	Water Clarity:	0.05	Water Clarity:	0.10
clear	0.25	clear	0.10	clear	0.10
Channel Feature:	0.25	Channel Feature:	0.10	Channel Feature:	0.10
pool	0.15	riffle	0.10	riffle	0.05
Channel Width:	0.10	Channel Width:	0.05	Channel Width:	0.10
9 yards	0.10	9 yards	0.05	4 yards	0.10
0.13	0.10	**0.08**	0.15	**0.10**	0.10
Transect 2	0.05	**Transect 6**	0.00	**Transect 10**	0.05
Substrate:	0.20	Substrate:	0.05	Substrate:	0.00
cobble	0.30	cobble/gravel	0.10	gravel on bedrock	0.10
Water Clarity:	0.30	Water Clarity:	0.20	Water Clarity:	0.15
clear	0.20	clear	0.20	clear	0.25
Channel Feature:	0.30	Channel Feature:	0.20	Channel Feature:	0.35
pool	0.20	pool	0.25	pool	0.40
Channel Width:	0.30	Channel Width:	0.20	Channel Width:	0.35
10 yards	0.30	9 yards	0.20	6 yards	0.45
0.25	0.20	**0.20**	0.05	**0.30**	0.35
Transect 3	0.20	**Transect 7**	0.00	**Transect 11**	0.00
Substrate:	0.30	Substrate:	0.10	Substrate:	0.05
sand	0.30	gravel	0.20	cobble	0.10
Water Clarity:	0.25	Water Clarity:	0.30	Water Clarity:	0.05
clear	0.25	clear	0.30	clear	0.10
Channel Feature:	0.25	Channel Feature:	0.30	Channel Feature:	0.05
pool	0.25	run	0.20	riffle	0.05
Channel Width:	0.20	Channel Width:	0.15	Channel Width:	0.10
13 yards	0.30	5 yards	0.05	6 yards	0.15
0.25	0.30	**0.18**	0.00	**0.08**	0.20
Transect 4	0.05	**Transect 8**	0.05		
Substrate:	0.15	Substrate:	0.10	**Site Median**	**Site Maximum**
cobble/gravel/sand	0.20	bedrock	0.10	**0.13**	**0.45**
Water Clarity:	0.20	Water Clarity:	0.10		
clear	0.25	clear	0.10		
Channel Feature:	0.25	Channel Feature:	0.10		
pool	0.25	run	0.10		
Channel Width:	0.30	Channel Width:	0.05		
7 yards	0.40	5 yards	0.05		
0.25	0.35	**0.10**	0.00		

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

WBID 811
Site # 5

Date and Time: 5/17/2007 14:05

Current Weather Conditions clear

Weather Conditions for Past 10 days: Rained about 1 inch in the local area

Drought Conditions? No

Site Location (e.g. road crossing) crossing on Old Swiss Rd.

GPS Mark: 40

Upstream Photo 87 Downstream Photo 88

Uses Observed (Uses actually observed at time of survey) Circle

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	***None of the Above***	Other	

Surrounding Conditions

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	

Indications of Human Use

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	***RV/ATV Tracks See Picture #86***	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

WBID # 811 **Site #** 5
Mark # 40 **Dissolved Oxygen (ppm)** 8.3
Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current?

Select one of the following channel features:

	% of Channel Feature				
Riffle	18				
Run	0				
Pool	82				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current?

Substrate:

% Cobble	% Gravel	% Sand	% Silt
31	69	0	0

% Mud/Clay	% Bedrock
0	0

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

none

Water Characteristics

Odor	Sewage	Musky	Chemical	***None***	Other
Color	Clear	***Green***	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	***Fine Sed.***	None	Other
Surface Deposit	Oil	Scum	Foam	***None***	Other

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)
(Median Depth Shown in Bold)

Site # 5 Mark # 40 0811_East Brush Creek_Moniteau

	Depth (m)		Depth (m)		Depth (m)
Transect 1	0.00	**Transect 5**	0.40	**Transect 9**	0.20
Substrate:	0.00	Substrate:	0.45	Substrate:	0.30
cobble	0.05		0.40	gravel	0.40
Water Clarity:	0.05	Water Clarity:	0.40	Water Clarity:	0.60
clear	0.05	none	0.30	none	0.80
Channel Feature:	0.10	Channel Feature:	0.30	Channel Feature:	0.90
riffle	0.10	pool	0.30	pool	1.00
Channel Width:	0.20	Channel Width:	0.20	Channel Width:	1.00
9 yards	0.20	7 yards	0.10	8 yards	1.00
0.08	0.15	**0.30**	0.05	**0.85**	1.00
Transect 2	0.20	**Transect 6**	0.40	**Transect 10**	0.15
Substrate:	0.20	Substrate:	0.60	Substrate:	0.00
gravel	0.20	gravel	0.60	cobble/gravel	0.00
Water Clarity:	0.25	Water Clarity:	0.55	Water Clarity:	0.00
none	0.25	none	0.55	clear	0.00
Channel Feature:	0.20	Channel Feature:	0.60	Channel Feature:	0.00
pool	0.25	pool	0.55	riffle	0.05
Channel Width:	0.25	Channel Width:	0.45	Channel Width:	0.10
8 yards	0.20	6 yards	0.40	8 yards	0.15
0.20	0.20	**0.55**	0.25	**0.03**	0.15
Transect 3	0.15	**Transect 7**	0.10	**Transect 11**	0.15
Substrate:	0.20	Substrate:	0.20	Substrate:	0.30
gravel	0.30	cobble/gravel	0.25	cobble/gravel	0.30
Water Clarity:	0.40	Water Clarity:	0.20	Water Clarity:	0.30
none	0.40	low	0.15	none	0.25
Channel Feature:	0.35	Channel Feature:	0.15	Channel Feature:	0.20
pool	0.30	pool	0.15	pool	0.25
Channel Width:	0.30	Channel Width:	0.30	Channel Width:	0.20
9 yards	0.25	6 yards	0.30	7 yards	0.20
0.30	0.15	**0.20**	0.30	**0.23**	0.20
Transect 4	0.15	**Transect 8**	0.10		
Substrate:	0.30	Substrate:	0.10	**Site Median**	**Site Maximum**
gravel	0.40	gravel	0.15	**0.25**	**1.00**
Water Clarity:	0.40	Water Clarity:	0.25		
none	0.45	none	0.30		
Channel Feature:	0.50	Channel Feature:	0.30		
pool	0.50	pool	0.30		
Channel Width:	0.50	Channel Width:	0.25		
7 yards	0.50	7 yards	0.10		
0.43	0.30	**0.20**	0.05		

WBID# 811

Site# 1 Photo ID# 76, Upstream

Site# 1 Photo ID# 75, Downstream

Site# 1 Photo ID# 77, Roads

WBID# 811

Site# 2 Photo ID# 80, Upstream

Site# 2 Photo ID# 81, Downstream

Site# 3 Photo ID# 83, Upstream

Site# 3 Photo ID# 82, Downstream

WBID# 811

Site# 4 Photo ID# 85, Upstream

Site# 4 Photo ID# 84, Downstream

Site# 5 Photo ID# 87, Upstream

Site# 5 Photo ID# 88, Downstream

WBID# 811

Site# 5 Photo ID# 86, RV/ATV tracks