



Missouri  
Department of  
Natural Resources

Use Attainability Analysis

for

WBID 1688 Dubois Creek

Submitted by

Missouri Department of Natural Resources

to

Missouri Department of Natural Resources  
Water Protection Program

Date received: October 15, 2007

RECEIVED

OCT 15 2007

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet A - Water Body Identification**

WATER PROTECTION PROGRAM

**I. Water Body Information** (For water body being surveyed)

Water Body Name (from USGS 7.5' quad): <u>Dubois Cr (P) 4.0 miles</u>	
Missouri Water Body Identification (WBID) Number: <u>1688</u>	
8-digit HUC: <u>7140103</u>	County: <u>Franklin</u>
Upstream Legal Description (from Table H): <u>mouth</u>	
Downstream Legal Description (from Table H): <u>Hwy 100</u>	
Number of sites evaluated <u>3</u>	
List all sites numbers, listed consequently upstream to downstream: <u>1, 2, 3</u>	

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

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

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)			
Upstream Coordinates: UTM X <u>N 38, 52960</u> Y <u>10, 90, 95934</u>		Downstream Coordinates: UTM X <u>N 38, 44829</u> Y <u>10, 091, 00314</u>	
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	± <u>19.3</u> Feet or ± <u>5.9</u> Meters	± <u>13.6</u> Feet or ± <u>4.75</u> Meters	
PDOP			

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

Discharger Facility Name(s): <u>Cortner Concrete Const</u>
Discharger Permit Number(s): <u>MO 6490861</u>

**IV. UAA Surveyor** (please print legibly)

Name of Surveyor: <u>Mary Clark &amp; Priscilla Stotts</u>	Telephone Number: <u>573-526-3406</u>
Organization/Employer: <u>MDNR</u>	
Position:	

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

Signed: Priscilla Stotts Date: 10-11-07



1688 Dubois Creek 4.0 miles

site 2

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):	Du Bois Cr.
Missouri Water Body Identification (WBID) Number:	1688
8-digit HUC:	7140103
County:	Franklin
Upstream Legal Description (from Table H):	
Downstream Legal Description (from Table H):	
Number of sites evaluated	3
List all sites numbers, listed consequentially upstream to downstream:	1, 2, 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.

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

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accas

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION) IN METERS	
Upstream Coordinates: $N38.51504$	Downstream Coordinates:
UTM X: $Y W 0 9 0, 9 6 5 3 3$	UTM X: $Y$
HORIZONTAL COLLECTION METHOD (check all that apply used to determine the location data)	
<input checked="" type="checkbox"/> Global Positioning System (GPS)	<input type="checkbox"/> 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 PARAMETER	
GPS Data Quality	
FOM	$\pm$ _____ Meters
EPE	$\pm$ $17.8$ Feet or $\pm$ _____ Meters
POOP	$\pm$ _____ Feet or $\pm$ _____ Meters
Interpolation Data Quality	
Source Map Scale: 1:24,000 1:100,000 Other _____	

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

Discharger Facility Name(s):
Discharger Permit Number(s):

IV. UAA Surveyor (please print legibly)

Name of Surveyor	Telephone Number:
Organization/Employer:	
Position:	

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

Signed: Priscilla Statta Date: 10-11-07

poorly used DS of receipt

(Include photographs)

• Page Two – Data Sheet B for WBID # 1688 :

site 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:

Stream

Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE					
RUN <i>dry</i>				<i>dry</i>	<i>dry</i>
POOL	<i>0 - 31.5 m</i>	<i>2.75 m</i>	<i>31.5 m</i>		

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 <i>dry</i>					
POOL					

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

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

*None in dry run*

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 type="checkbox"/> Clear	<input checked="" 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: Priscilla Stotts Date of Survey: 10-11-2007

Organization: MNO DNR Position: ES III

WBID# 1688  
 Site# 1

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

Date & Time: <u>10-11-07 9:53</u>	Site Location Description (e.g., road crossing):
Personnel (Data Collectors): <u>Mary Clark Priscilla Stille</u>	<u>Dabois at Pickard crossing</u>
Current Weather Conditions: <u>SUNNY CLEAR</u>	Facility Name:
Weather Conditions for Past 10 days:	Permit Number:
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 type="checkbox"/> <u>yes</u>	

**Site Locations:**

LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)	
Site GPS Coordinates: UTM X: <u>N38.50684°</u>	Y: <u>4090.98652</u>
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the location(s).)	
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 EPE ± <u>1/4</u> Feet or ± <u>4.00</u> Meters PDCP	Source Map Scale: 1:24,000 1:100,000 Other _____ ± _____ Feet or ± _____ Meters

**Photos:**

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
<u>0617-8</u> <u>0618-9</u> <u>0619-10</u>	<u>to show depth</u>	<u>0618A</u>	<u>dry creek bed</u>	<u>0618</u>	<u>Confluence with Trick both dry</u>

**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 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.)

<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 type="checkbox"/> Other:
Comments: <u>farm area easy access quarry 1/4 mi DS</u>				

**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 type="checkbox"/> Other:	
Comments:					

side 1 Dubois Cr.

(Include photographs)

\* Page Two – Data Sheet B for WBID # 1688 :

**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	75m US			dry	dry
POOL		1.92	7.8	0.02	0.05

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	75m DS			Dry	Dry
POOL					

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

95 % Cobble	45 % Gravel	30 % Sand	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site)

[Empty box for Aquatic Vegetation notes]

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 type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other: <u>none</u>
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: Priscilla Stott Date of Survey: 10-11-2007

Organization: MD-DNR Position: ES III

WBID# 1688  
 Site# 7

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

Data Sheet C – Cross-Sectional Depth Measurements (for estimation of median depth)

Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
0.3 m	0.01		1	
0.4 m	0.01		2	
0.9 m	< 0.01		3	
1.2	< 0.01		4	
			5	
dry	US + DS id		6	
	pool for 7150 m		7	
	as far as we saw		8	
			9	
			10	
			11	
			12	
			13	
			14	
			15	
			16	
			17	
			18	
			19	
			20	
			21	
			22	
			23	
			24	
			25	
			26	
			.	
			.	
			.	
			n	

If there is an odd number of entries find middle rank  $[(n+1)/2]$ . The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

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

Signed: Priscilla Statta Date: 10-11-07

Organization: MD DNR ; ES III Position:

max .01  
median 0

WBID# 1688  
 Site# 2

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

Date & Time: <u>10-11-07 1031</u>	Site Location Description (e.g., road crossing): <u>~ 500ft US 78 Goodes Mill rd crossing</u>
Personnel (Data Collectors): <u>M. Clark P. Starks</u>	Facility Name:
Current Weather Conditions: <u>Sunny - clear</u>	Permit Number:
Weather Conditions for Past 10 days:	
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: <u>N38.51516</u>	Y: <u>W 098 90541</u>
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the location of site)	
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
FDM ± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____
EPE ± <u>16.2</u> Feet or ± <u>4.9</u> Meters	± _____ Feet or ± _____ Meters
PDCP	

*ad  
 accen  
 pt.*

**Photos:**

Upstream Photos		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
<u>5 0620</u>	<u>depth</u>				

**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 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.)

<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 checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other:
Comments: <u>farmland.</u>				

**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 type="checkbox"/> Other:	
Comments:					

WBID# 1688

Site# 2

## Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet C - Cross-sectional Depth Measurements (for estimation of median depth)

Distance from Stream edge	Depth	Rank	Assigned Rank	Sorted depth
			1	
0	0 dry		2	
			3	
			4	
			5	
			6	
			7	
			8	
			9	
	NS-not measured		10	
			11	
DS -6 m	> 1 m		12	
			13	
Did not do a complete transect because of submerged tree limbs - It was dangerous			14	
			15	
			16	
			17	
			18	
			19	
			20	
			21	
			22	
			23	
			24	
			25	
			26	
			.	
			.	
			.	
			.	
			.	
			.	
			n	

at access point

Pool  
6.1 m  
from access point

If there is an odd number of entries find middle rank  $[(n+1)/2]$ . The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

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

Signed: Priscilla Stotts Date: 10-11-2007

Organization: MO DNR Position: FS III

February 16, 2007

max > 1  
median .5

Page 1

# Du Bois Creek

WBID# 1688  
 Site# 3

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

Date & Time: <u>10-11-07 11:26</u>	Site Location Description (e.g., road crossing):
Personnel (Data Collectors): <u>M. Clark P. Stotts</u>	<u>US of Hwy 100 bridge</u>
Current Weather Conditions: <u>sunny clear</u>	Facility Name:
Weather Conditions for Past 10 days:	Permit Number:

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: <u>N 38.49829</u>		Y: <u>W 091.00314</u>	
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the location of 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	
POW	± _____ Meters	Source Map Scale: 1:24,000 1:100,000 Other _____ ± _____ Feet or ± _____ Meters	
EPE	± <u>15</u> Feet or ± <u>4.55</u> Meters		
PDOP			

### Photos:

Upstream Photos <u>at access</u>		Downstream Photos		Other Photos	
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
<u>0621</u>	<u>Depth - access</u>				
<u>0622</u>	<u>at ds of access</u>				

### 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 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.)

<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 checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> None of the above	<input checked="" type="checkbox"/> Other:

Comments: Hwy - construction along stream

### 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: mowed mud - putty in athletic lines

(Include photographs)

\* Page Two - Data Sheet B for WBID # 1688 : Dubin Cr  
Side 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)
RIFPLE					
RUN		<u>50m</u>	<u>on bottom</u>		
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)
RIFPLE					
RUN <input checked="" type="checkbox"/>	<u>0</u>	<u>10.0'</u>	<u>105m</u>		<u>1.0m</u>
POOL					

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

<u>25</u> % Cobble	<u>5</u> % Gravel	<u>50</u> % Sand	% Silt	<u>20</u> % Mud/Clay	% 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:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input checked="" type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other: <u>tan</u>
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: Priscilla Stettin Date of Survey: 10-11-2007

Organization: MO DNR Position: ES III

WBID# 1688

Site#

3

106.68 m long run

## Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet C - Cross-sectional Depth Measurements (for estimation of median depth)

Distance from Stream edge (m)	Depth (m)	Rank	Assigned Rank	Sorted depth
.3	.06		1	
.91	.09		2	
1.52	.15		3	
2.13	.25		4	
2.74	.4		5	
3.35	.425		6	
3.96	.425		7	
4.57	.425		8	
5.18	.45		9	
5.79	.5		10	
6.40	.5		11	
7.01	.5		12	
7.62	.45		13	
8.23	.375		14	
8.84	.3		15	
9.45	.15		16	
10.06	.1		17	
			18	
			19	
not measured	>1		20	
			21	
			22	
			23	
			24	
			25	
			26	
			.	
			.	
			.	
			.	
			.	
			.	
			n	

T1  
(at access point)T2  
(6.1 m DS from access point)

If there is an odd number of entries find middle rank  $[(n+1)/2]$ . The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

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

Signed: Priscilla Statter Date: 10-11-07

Organization: MO-DNR Position: ES JIL

February 16, 2007

max &gt; 1

Page 1

median → not enough data?  
(median of T1 = .43)

Site 1 No Depth Photo 1 WBID# 1688



Site 1 To Show Depth Photo 2 WBID# 1688



Site 1 To Show Depth Photo 3 WBID# 1688



Site 1 Confluence with Tributary- Both Dry Photo 4 WBID# 1688



**Site 2      To Show Depth      Photo 5      WBID# 1688**



**Site 3      Depth at Access Point      Photo 6      WBID# 1688**



Site 3

6.1 meters downstream of access point

Photo 7

WBID# 1688

