## Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

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Instructions: Bold fields must be completed. Record all measurements in metric units. Station Summary Waterbody ID Code SWIMS Station ID FH Database ID Stream Name Cohbulle K 10022037 20626730 Date (MMDDYYYY) 08012017 Latitude - Longitude Determination Method Used Datum Used NADQZ SWIMS Start Longitude Start Latitude End Latitude End Longitude County 43.48343 88.36165 Water Characteristics Time (24-hr clock) Air Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm) 1006 Dissolved Oxygen (mg/l) Dissolved Oxygen % Saturation 8.50 0 % Flow (m³/sec) Water Level (check one - measure distance if Above or Below Normal): Water Clarity: Clear Turbid Stained \_\_ Below: \_ Channel and Basin Characteristics Mean Stream Width (m) Station Length (m) 5.1 178-5 **Channel Condition:** 10- to 20-year-old > 20-year-old < 10-year-old Natural Concrete Channel (check one) Channelization Channelization Channelization Basin Area (km²) Percent Channelization Sinuosity Gradient (m/km) Stream Order 56,29 Comments / Notes

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Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m)  Width of contiguous undisturbed land uses; meadow, shrubs, woodland, wetland, exposed	Riparian zone well protected; buffer wide ( > 10.0 m )	Riparian zone protected, but buffer width moderate ( 5.0 - 10.0 m )	Riparian zone moderately disturbed, buffer narrow ( 1.0 - 4.9 m )	Most of the riparian zone disturbed, buffer very narrow or absent ( < 1.0 m)	
rock	15	10	5	0	
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soil	
• .	15	10	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	
	10	7	3	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	
and pools	15	10	5	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	
J	15	10	5	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	
	15	10	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	
	15	10	5	0	
American (American (Americ	/se	e Quantital	ive Habitat	Total Score	

(see Quantitative Habitat Evaluation)

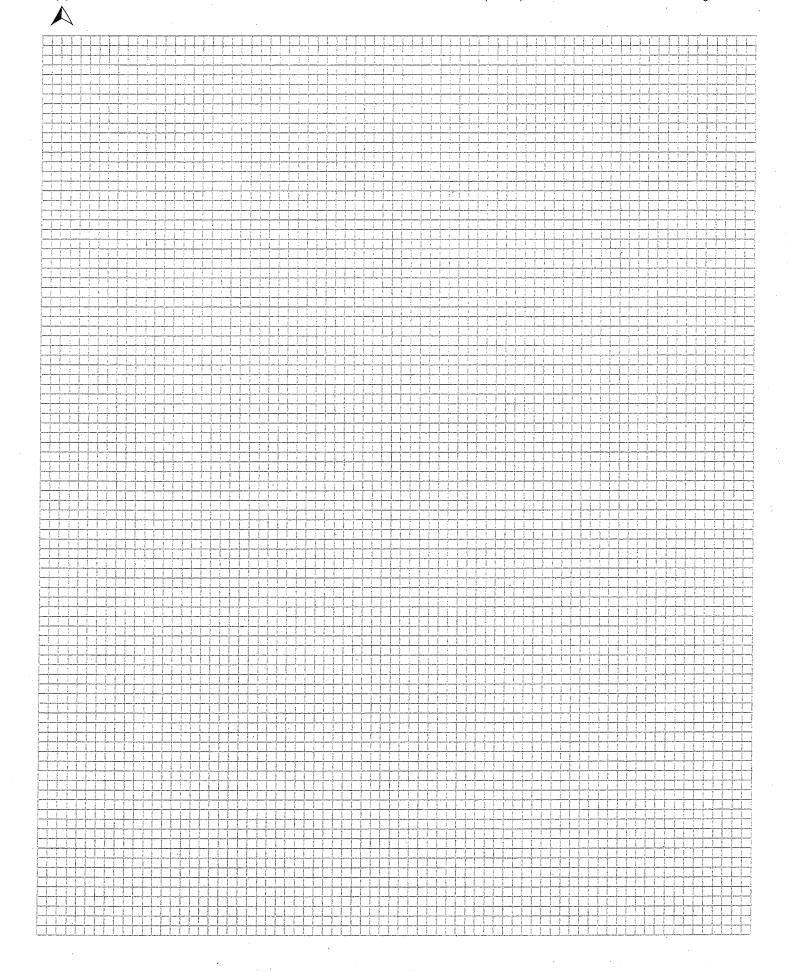
## Wadable Stream Quantitative Habitat Evaluation Form 3600-228 (R 6/07) Page 3 of 5

Map Data Stream Na	Mohls ville River @ Midd	Late Od	Waterbody 8654		Date (MMDDYYYY)
Dist.				Summary	0801201
from Start (m)	Stream Feature (Bend, Riffle, Pool, Run, Log Jam, etc.)		Distance		tween Riffles (m)
(%)	Start of station, studenin	Distance Between Be	nds (m)	Measuremer	its from the Upstream
5,1	TI	Measured from Center	of Bend	end of the ne	ext Riffle Upstream
#	Bendright	Downstream - 1st:	· ·	_ Downstream	n - 1st:
20.4	T2	1st - 2nd:		_ 1st	- 2nd:
35.7	T3	2nd - 3rd:	14.9	_ 2nd	- 3rd:
37,9	Start fallen tree	3rd - 4th:		_ 3rc	I - 4th:
¥851	End tree fall, T4	4th - 5th:		_ 4th	- 5th:
06.3	T5	5th - 6th:		_ 5th	ı - 6th:
75.0	start and	6th - 7th:		6th	- 7th:
HEALT	down tree	7th - 8th:		7th	- 8th:
81.6	Tle	8th - 9th:		- 8th	- 9th:
87.4	End pool, Start run, bend left	9th - 10th:		9th -	· 10th:
96.9	T ~4.	10th - 11th:		10th -	· 11th:
1120	TB	11th - Upstream:		11th - Upst	ream:
17,5	Stat pool	Sum: //		-	Sum:
127.5	19	Mean:	58.1		Mean:
+3.8	end pul Hait for	Length (m)	of Individual	Riffles, Pool	
+4.8	Sent let 14.2 downed free	1st Riffle:	. 1st Pool	11.8	
142.8	T10.	2nd Riffle:	2nd Pool:	5.6	2nd Run: /3.5
, ,	+3.5 deal fre + 10.4 destine	3rd Riffle:	3rd Pool		3rd Run: 42.
158.1	711	4th Riffle:	4th Pool:		4th Run:
73.4	717	5th Riffle:	5th Pool:		5th Run:
•	· · · · · · · · · · · · · · · · · · ·	6th Riffle:	6th Pool:		6th Run:
		7th Riffle:	7th Pool:		7th Run:
		8th Riffle:	8th Pool:		8th Run:
	• .	9th Riffle:	9th Pool:		9th Run:
		10th Riffle:	10th Pool:	<u>,                                    </u>	10th Run:
		11th Riffle:	11th Pool:		11th Run:
row man	of station on book of this about (auti)	Sum:	Sum:	1.7.4	Sum: 131
raw map o	of station on back of this sheet (optional)	Mean:	Mean:	8.7	Mean: 65.

## Wadable Stream Quantitative Habitat Evaluation

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Transect D	4.75								
Stream Nai	me · Kah	sville.				Waterbody ID 0		Date (MMDDY) 01.20	YYY) Transect N
Distance fr	om Start (m		·	bitat Type:		Bankfull Depth (		·	ıll Width (m) (option
5.		6	1	Riffle Poo	ol 🖾 Run	· .	3		6.4.
			Deepest .		Chann	el Position (Fiftl			
1			Point	1.2 1/5	2	.4 2/5	3,le	3/5	4.8 4/5
Water Dep	th (m)		-34	321		.27		22	
Depth of Fi	nes and W	ater (m)		.4		.27	U	.24	.22
	ness (neard Gravel and		oble	40	,	50	*	50	60
~ A.C.	rest 5%) of S		1000					Section	on Total Must = 10
Bedrock (sc	olid slab)						,		Y
	1 mm - 4.1 r	m)							
	bble (65 - 2					20	20		
Gravel (2 - 6	· · · · · · · · · · · · · · · · · · ·		<del></del>	: 25		30	30	>	40
Sand (0.062				MSH 50		45	50		50
	0.061 mm)			20		5			10
				5					
Clay									
Detritus			,			•			
Other - Spec Percent (near	rest 10%) of	Stream Botto	om Covered						
			on obvereu		45.514.59.50	<i>~</i>	11 A		AX
Algae (attac	hed & fila.)	•	•			9	1 1	Ø	Ψ M
Macrophytes 1 4 1	3	· · · · · · · · · · · · · · · · · · ·				9	, ,		Ψ .
Canopy / Sh	ading (circ	le one)		90ca	1	30 can	30	can	10 Car
over for A	dult Gamefi	sh: Length (	nearest 0.01 m	n) of transect withi	n 0.15 m ups	tream or downs	tream in wat	er at least 0.20 r	n in depth
Undercut Banks		ing Vegetatio 20 m overhan		Other Debris	Boulde	Subme er Macrop	- 1	ergent Macrophy least 0.20 m dee	1
Durino		25	9 20010	, , DODING	- Boards	,,,derop	117100   41	iodet ema in oce	-
ank Erosio			I Bare Soil (nea	arest 0.01 m) withi	n 1 m of stre	am % of Erode	ed Bank to th	e crest or within	5 m of stream edge
	Ľeft:	<u>3.</u> (m)	) Right	. 식 (m)		Left:	50°%	(%) Right.	<del>40</del> (%)
iparian Lar				within 5 m of stre	am edge, alo				n Total Must = 100
Cropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	Woodland	Wetland	Exposed Roc	Other - Specify:
Cropiano	i astare	Dailiyaid	- Doveloped	. Wisdow	,	900			
		<u> </u>	<u> </u>			1 00	5D		

Transect L	Data										1	
Stream Na	ime	hlsville			•		erbody ID ( 8654			ate (MMI		
Distance f		· 1	Width (m) Ha			Bank	full Depth			В		Midth (m) (optional)
	20.4	4	. Ø  L	Riffle Po	ol Run	<u> </u>		. 2				
			Deepest Point	:2401 1/5			sition (Fift 2/5 こ				<del></del>	حرا 4/5
)N(-(	(I. (. )		, Sto									
Water Dep		·	. 20	.40			50	<u> </u>	, 57	<u></u>		.44
	ines and Ware			,4(0			Sle					<i>0</i> 0 1
	Gravel and		bble	80			70			10		
Percent (ne	arest 5%) of S	Stream Bott	om Covered							Š	Section	Total Must = 100%
Bedrock (se	olid slab)											
Boulder (26	61 mm - 4.1 r	m)										
Rubble / Co	obble (65 - 20	60 mm)										
Gravel (2 -	64 mm)			Fest 30		4	0		20	)		
Sand (0.06)	2 - 1.9 mm)			30		4	0		4			10
	0.061 mm)			20		20	 ク	-	2	.D		30
Clay				-								50
Detritus												
Other - Spe	cify:			20 pert	-			2	IJφ	eat	10	wood
Percent (nea	rest 10%) of	Stream Bot	tom Covered			1, kr ad 12, 43 a						
Algae (attac	ched & fila.)							_	,	Ø		Ø
Macrophyte	s		·	•			/		9	D .		Ø
Canopy / Sł	nading (circ	le one)		30 ca	n	2	8 can	J 11	IS.C	rade		10 can
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 m	n) of transect with	in 0.15 m up	strean	n or downs	stream in	water	at least (	0.20 m ir	i depth
Undercut Banks		ing Vegetati 20 m overha		Other Debris	Boule	ler	Subme Macrop			gent Mac ast 0.20 r		Other - Specify:
	0	2+,7	-						•			
Bank Erosi	on: Length	of Continuou	s Bare Soil (nea	arest 0.01 m) with	in 1 m of str	eam	% of Erod	ed Bank t	to the	crest or	within 5	m of stream edge
The state of the s	Left:	<b>绝</b> (m	ı) Right:	Ø (m)			Left	<u> </u>	('	%) R	ight:	B(%)
Riparian La	nd Use: Per	cent (neares	st 10%) of Bank	within 5 m of stre	am edge, al	ong tra	ansect			St	ection T	otal Must = 100%
Cropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	W	oodland	Wetlar	nd	Exposed	Rock	Other - Specify:
								100	,			
 ≀iparian Bu	ffer Width:	Length (nea	arest 1.0 m) of	Undisturbed Land	d Uses alon	g trans	sect, withir	n 10 m of	strea	am		

Right +10 (m)

ransect D						Waterbody ID	2000	-4- (MANDO)^^	O Transcribit
Stream Na	me hlsville	al=	5.9 1		ľ	vvaterbody ID 865 Yo	t t	ate (MMDDYY) 08.01.20	YY) Transect No.
	rom Start (π	n)Stream W	ridth (m) Ha	bitat Type:		Bankfull Depth	1		Width (m) (optional)
	35.7	30	. 78	Riffle Po	ol Run	٠. ه	25_		7.4.
			Deepest	1 00 415		· · · · · · · · · · · · · · · · · · ·	<del></del>	Stream Width)	4.8 4/5
			Point	1.2 1/5	2.5		3.6		7.0 4/5
/ater Dep	oth (m)		.50	0 [ ]		,041.		23 8	SITTED SI
	ines and Wa			:41		, 2	•	15	7/20, · 10
	iness (neare Gravel and		ble			Control of the Contro			
rcent (ne	arest 5%) of S	Stream Botto	n Covered					Section	Total Must = 100%
edrock (se	olid slab)			,			·		
oulder (26	61 mm - 4.1 r	m)							
	obble (65 - 26	•				-			
ravel (2 -		·····		·					
	2 - 1.9 mm)			10			3	0	10
	0.061 mm)			(00		90	· 50	<b>7</b> .	20
ay			<u> </u>	20		5			50
etritus	8, 7, 4	•		10		.5	20		10
her - Spe	cify:							. /	o wood
1.44%	rest 10%) of	Stream Botto	m Covered						
rae (attac	ched & fila.)			(X		Ø	C	3	, Ø
acrophyte				Ø		. 08	.6	8	<del></del>
anopy / Sł	<u> </u>	le one)	-	10 can			EX:		50 can
alternation of			nearest 0.01 m	n) of transect with	in D.15 m ນອຣ	fream or down	atream in water	rat least 0:20 m	
Undercut		ing Vegetatio		Other		Subme		gent Macrophyte	
Banks /	at least 0.2	20 m overhan		Debris	Boulde	r Macrop	ohytes at le	east 0.20 m deep	•
		leight)							
nk Erosi	on: Length	of Continuous	Bare Soil (nea	arest 0.01 m) with	in 1 m of strea	am  % of Erod	ed Bank to the	crest or within 5	m of stream edge
rsogn, aves	Ľeft:	(m)	Right:	(m)		Left	: <u>***</u> (	%) Right	<u> </u>
arian La	nd Use: Per	cent (nearest	10%) of Bank	within 5 m of stre	am edge, aloi	ng transect		Section	Total Must = 100%
ropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	Woodland	Wetland	Exposed Rock	Other - Specify:
					i	50	_		•

Transect Data						112	
Stream Name	1/4.		·	Waterbody ID			YY) Transect No
		Life of Transact		8654 Bankfull Depth	II.	08 01 20	
Distance from Start (m) Stream	n Width (m) Ma 10.4	bitat Type:	ol 🛛 Run		(m) (optional)	Banktuli	Width (m) (optional
		JRIπie ∟Poo	<del></del>			Stream Width)	7m.
	Deepest Point	1.251/5		50 2/5	3.75		5 4/5
Water Depth (m)	.55	. 24		,45	, , , , , , , , , , , , , , , , , , ,	55	, 41e
Depth of Fines and Water (m)		.31	1	.63		59	, 79
Embeddedness (nearest 10%)			•	Wild Statement of	Noon		
of Course Gravel and Rubble/ Percent (nearest 5%) of Stream Bo						Section	n Total Must = 100%
Bedrock (solid slab)			- XRMXQ ESSA	所用。[19] [1] 中國國家安			
Boulder (261 mm - 4.1 m)							
Rubble / Cobble (65 - 260 mm)							
Gravel (2 - 64 mm)							, , , , , , , , , , , , , , , , , , , ,
Sand (0.062 - 1.9 mm)					10		
Silt (0.004 - 0.061 mm)		80		90	lec	)	50
Clay		·		10			\$ 50
Detritus		20			10		
Other - Specify:					20 pea	ct	
Percent (nearest 10%) of Stream B	ottom Covered						-
Algae (attached & fila.)		q		Ø	0	8	Ø
Macrophytes		. Ø		Ø	· 0	8.	(Q)
Canopy / Shading (circle one)	•	20 can		10 can	70 (	Can	80 000
Cover for Adult Gamefish: Leng	jth (nearest 0.01 n	n) of transect with	n 0.15 m ups	tream or downs	stream in wate	r at least 0.20 m	in depth
Undercut Overhanging Veget Banks at least 0.20 m over		Other	Boulde	Subme	-	rgent Macrophyte	l l
Banks at least 0.20 m over	hang Debris	Debris	Boulge	er Macrop	onytes at it	east 0.20 m deep	)
Bank Erosion: Length of Continu	ious Bare Soil (ne	 arest 0.01 m) with	in 1 m of stre	 am  % of Erod	ed Bank to the	e crest or within	5 m of stream edge
Left:	(m) Right:	<u>,                                    </u>		Left	8	(%) Right	90 (%)
Riparian Land Use: Percent (nea	40084800	15-148	am edge, alo				Total Must = 100%
Cropland Pasture Barnya	ard Developed	d Meadow	Shrubs	Woodland	Wetland	Exposed Rock	Other - Specify:
			/==	50	50		
Riparian Buffer Width: Length (	nearest 1.0 m) of	Undisturbed Land	d Uses along		L.,	am	

Transect Data								, i = -	ł
Stream Name			- 1	erbody ID Co		2	75	ransect No.	,
Kohlsville 5	Habitat Type			full Depth (r		08 61		(m) (optional)	Lo.
Distance from Start (m) Stream Width (m) 5=66.3 TG=81,6 GH.8	Riffle [	Pool	. VT			Ve (13)	MS. 5	optional)	
		<del> </del>	Truit (			t Stream Wid		1 ((4)-	. 3,0
Deepes Point		1/5 TLe	2(13)	1776		3/5 ((0)	4(73)	) 4/5 (TW)	
	18 .44	1.46	.38	.36	.53	1,98	. Le	1 .98	
Depth of Fines and Water (m)	-62	1.60	.69	.89	,73	.98	>.9	,98	
Embeddedness (nearest 10%) of Course Gravel and Rubble/Cobble		-				50	-	1 40	•
Percent (nearest 5%) of Stream Bottom Covered	i					Sec	tion Total	Wust = 100%	i
Bedrock (solid slab)		`			:				
Boulder (261 mm - 4.1 m)									
Rubble / Cobble (65 - 260 mm)					$\lceil \rceil$				
Gravel (2 - 64 mm)			-			60		40	•
Sand (0.062 - 1.9 mm)					20	20			
Silt (0.004 - 0.061 mm)	. 70	80	85	90	60	20		10	
Clay	10.		10				60	50	
Detritus	20	20	5	10.					
Other - Specify:	_			on the second	20 pcat		40 peat		
Percent (nearest 10%) of Stream Bottom Covered	d								
Algae (attached & fila.)	8	, Ø	Ø	Ø	Ø.	Ø	0	$\square \varnothing$	•
Macrophytes	Ø	Ø	Ø	0	Ø	Ø	8	<u> </u>	
Canopy / Shading (circle one)	Shade	40 Can	Ø	40 can	can.	70 Can	Can	100 Can	LOPY
Cover for Adult Gamefish: Length (nearest 0.0	11 m) of transe	ct within D.15	m upstrear	n or downsti	eam in wat	er at least 0.20			. 0
Undercut Overhanging Vegetation Woo Banks at least 0.20 m overhang Deb		ther bris	Boulder	Submero Macroph		ergent Macrop least 0.20 m d	,	er - Specify:	To calt
of TE Leat side					·		1.7	notwad.	6)17
Bank Erosion: Length of Continuous Bare Soil		n) within 1 m 식	of stream	% of Erode	Bank to th	ne crest or with	hin 5 m of s	tream edge	
<u>Left:</u> (m) Right	XD)	m)	e ee jaar ka maan ja eela ja se	Left:_	<u> 8</u>	(%) Right	: <u>W</u>	<u>ID</u> (%)	
iparian Land Use: Percent (nearest 10%) of Ba	ank within 5 m	of stream ed	ge, along tr	ansect		Secti		Must = 100%	
Cropland Pasture Barnyard Develo	ped Mea	dow Sh	rubs W	oodland	Wetland	Exposed Ro		r - Specify:	
				50	50			·	
iparian Buffer Width: Length (nearest 1.0 m)	of Undisturbe	d Land Uses	along tran	Bott sect, within	兄の行 10 m of stre	eam			
eft: 10 (m) Right 10 (m)	•		٠.				. •	1	•

Transect D	Data								
Stream Na	me //	lindle			,	Waterbody ID	Code [	•	(YY) Transect No.
Distance f			Width (m) Ha	bitat Type:		1 0	h (m) (optional	68 01 20	Width (m) (optional)
	96.9	4			ol XIRun		, 35	, Barikia	5 ·
			Deepest		Chan	nel Position (F	ifths of Curren	t Stream Width)	-
			Point	.8 1/5		L 2/5	2.4	3/5	3, le 4/5
Water Dep	oth (m)		,73	,73		·H		59	031
Depth of F	ines and Wa	ater (m)		.77		.30		.78	. U
	iness (neare Gravel and					Allowed Sales of the Control of the			-
	erest 5%) of S							Section	n Total Must = 100%
Bedrock (so	olid slab)		3 S S S S S S S S S S S S S S S S S S S						
			* * * * * * * * * * * * * * * * * * *						
	61 mm - 4.1 r	<del></del>							
	obble (65 - 26	ou mm)	5-11-11-11-11-11-1						
Gravel (2 -							30		lO
Sand (0.06)	2 - 1.9 mm)	· · · · · · · · · · · · · · · · · · ·					·		1 10
Silt (0.004 -	0.061 mm)			50		70	50		<u> 10</u> +0
Clay				50			10		P 20
Detritus				,		10			
Other - Spe	cify:						10 pe	at	
Percent (nea	rest 10%) of \$	Stream Bott	om Covered						
Algae (attac	ched & fila.)			$\emptyset$		Ø	Ø		9
Macrophyte	S			. Ø		Ø	Ø		$\mathscr{D}$
Canopy / St	nading (circl	e one)		10 Can	,	Þ	Ø		20 Shade
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 n	n) of transect with		stream or dow	nstream in wat	er at least 0.20 m	i in depth
Undercut		ng Vegetati		Other			-	ergent Macrophyt	}
Banks	at least 0.2	0 m overha	ng Debris	Debris	Bould	ler Macro	ophytes at	least 0.20 m dee	P
Bank Erosi	on: Length	of Continuou	s Bare Soil (ne	arest 0.01 m) with	in 1 m of str	eam  % of Erc	oded Bank to th	ne crest or within	5 m of stream edge
	Left:	<u>(m</u>	•	6 (m)		Le	8	(%) Right: _	/(%)
Riparian La		,	19 68 24 63 3 75 63	within 5 m of stre	am ed <u>ge, al</u>		, i.,		Total Must = 100%
			[34]24 ME 1 May						Other - Specify:
Cropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	Woodland	Wetland	Exposed Rock	
						50	IDU		
diparian Bu	ffer Width:	Length (nea	arest 1.0 m) of	Undisturbed Land	d Uses along	transect, with	nin 10 m of str	eam	

Right 10 (m)

Cropland	Pasture	Barnyard	Developed	Mead	ow	Shrubs	Woodland	Wetland	d Exposed R	Othe ock	r - Specify:
iparian La	Left: ind Use: Per	cent (nearest 1	Nigite	NAMES CONTRACTOR	n) of stream	edge, along i	Left: ransect		(%) Righ Sect		(%) Just = 100%
ank Erosi		of Continuous E	(O\	5(10)		m of stream		ed Bank to	the crest or wit	10	(T8) 10
	1.5 (TB) Left sic						-				
Undercut Banks	at least 0.2	ng Vegetation 0 m overhang	Woody Debris	Otl Del	1	Boulder	Submer Macroph	-	mergent Macrop at least 0.20 m c	,,,,,,,,,,	er - Specify:
		Terminal Company	earest 0.01 m				am or downst	ream in w	ater at least 0.2	0 m in dept	h
- <u> </u>	hading (circ	le one)		Dan	20,0	+	10	Ø	. 0	10	0
Macrophyte	ched & fila.)			<u></u>	10	P	1/	Ø		Ø	
	arest 10%) of s	SI(CEIM 1510)((0))		Ø	6	Ø		Ø		Ø	CONTRACTOR CONTRACTOR CONTRACTOR
Other - Spe		S4		U (U)						20 peart	
Detritus				10 woo	1	20	-	30 pc	04-	20 10 wood	20 pert
Clay				50	1-				40		40
Siit (0.004	- 0.061 mm)		·	40	100	, 30	90	50	40	50	. 40
Sand (0.06	2 - 1.9 mm)				_ _		10	20	2		
Gravel (2 -	64 mm)				.				120		
Rubble / C	obble (65 - 26	60 mm)									
Boulder (2	61 mm - 4.1 r	n)									
Bedrock (s	olid slab)										
	earest 5%) of S	•							ann ag	tion Total	Must = 100
	dness (neare Gravel and		nie		-				80		1_
1	Fines and Wa		- / '' 1	168	ag		11.12		11.11	291	1.02
Water Der	oth (m)	7	70/1.09	164	1.4	120	11.0	.7	1,09	39	1.81
			Deepest Point 1	1(78)	1/5(79	Channel F			ent Stream Wid	1th) .	)4/5 (79)
127.5	from Start (m	4.8/	5.4	Riffle [	Pool	Run o	nkfull Depth (	. 2	5 5,	200/	(m) (optional
D!-/	e	VIOLAN VIOLEN	تنافد باعد	Litat T		im	obtail Dante 1	m) /~~!:	10 / h	1-4-JEVA7-301	1-1 1 F

Transect D	ata										
Stream Na	me	Kohlsville	· · ·		•		terbody ID 865 400	Code		(MMDDYY 01.20	YY) Transect No
Distance fr	om Start (n	n) Stream \	Width (m) Hat	oitat Type:		Вап	ıkfull Depth	(m) (opti			Width (m) (optional
177	5. Y	5.	0	Riffle Po	ol Z F	Run	۸	28			5.3
	3		Deepest		-	hannel F	Position (Fif				
			Point	1/5	<u> </u>		2/5 2	_	3/5	3	4/5
Water Dep	th (m)		.50	, 50		(	,36		-25		,77
Depth of Fi	ines and Wa	ater (m)		. 50	)	9	47		, 36	,	. 44
	ness (neare Gravel and		bble	No. of the Control of					-	· Parameter	
Percent (nea		****								Section	n Total Must = 100%
Bedrock (sc	olid slab)										
Boulder (26	1 mm - 4.1 r	n)									
Rubble / Co	bble (65 - 26	60 mm)									
Gravel (2 - 6	64 mm)										
Sand (0.062	2 - 1.9 mm)		-	5			5	,	30		30
Silt (0.004 -	0.061 mm)			70			90		40		20
Clay				5			5				
Detritus				20				1	O		10
Other - Spec	cify:							20	full		40 los
Percent (near	rest 10%) of 9	Stream Bott	om Covered	127 (137 BA1NE)		· = - 1					
Algae (attacl	hed & fila.)			Company of the second s	ater				garante and the second	and the second	Name of Additional Property of the Park of
Macrophytes	3			Note the second						<u> </u>	Control Committee Control
Canopy / Sh	ading (circl	le one)		40		2	S		δ		10 cm
Cover for Ad	dult Gamefi	sh: Length	(nearest 0.01 m)	) of transect with	in 0.15 n	n upstrea	m or downs	stream in	water at le	east 0.20 m	in depth
Undercut Banks		ng Vegetatio		Other Debris	В	oulder	Subme			Macrophyte 0.20 m deep	
2 lu	. by het	24	14						•		
Bank Erosio	on: Length	of Continuou	s Bare Soil (nea	rest 0.01 m) with	in 1 m of	f stream	% of Erod	ed Bank	to the cres	st or within 5	m of stream edge
	Left:	(w	) Right:	(m)			Left	,	(%)	Right:	(%)
liparian Lar	nd Use: Per	cent (neares	t 10%) of Bank v	vithin 5 m of stre	am edge	e, along t	ransect			Section	Total Must = 100%
Cropland <sub>.</sub>	Pasture	Barnyard	Developed	Meadow	Shru	bs V	Voodland	Wetla	nd Expo	osed Rock	Other - Specify:
			,					w	2		
liparian Buf	fer Width:	Length (nea	rest 1.0 m) of U	Indisturbed Land	d Uses a	long tran	nsect, withir	10 m ö	f stream		
eft: <u>A 0</u>	(m) Rig	ght <u>+10</u>	(m)			· · .					

Transect L Stream Na	me	11:	again te la Regul			Waterbody ID	) Code	Date	(MMDDYY)	YY) Transect I
	and the	oblishle	<b>)</b>			86540	0		01 201	- Augusta
	rom Start (m	)Stream V	Vidth (m) Ha	bitat Type:		Bankfull Dept	h (m) (optio	onal)	Bankfull	Width (m) (option
1	12.8	5.0	o [	Riffle Po	ol Run	·	.27			6.5.
			Deepest		Chan	nel Position (F	ifths of Cu	rrent Stre	<del></del>	
			Point	1/5	11	2/5 z	2	3/5	37	4/5 40
Water Dep	th (m)		1.20	.80		1.20		, 89		,39
Depth of F	ines and Wa	iter (m)		1.02		1.22		1.10		.71
	iness (neare Gravel and F		oble							
Percent (nea	arest 5%) of Si	tream Botto	m Covered	AMERICAN AND AND AND AND AND AND AND AND AND A					Section	Total Must = 10
Bedrock (so	olid slab)							•		
Boulder (26	1 mm - 4.1 m	ו)								
Rubble / Co	obble (65 - 26	0 mm)								
Gravel (2 -	64 mm)	· 	,							
Sand (0.062	2 - 1.9 mm)		•					20		10
Silt (0.004 -	0.061 mm)		- · · · · · · · · · · · · · · · · · · ·	60		80		80		60.
Clay		·		•						
Detritus	·		•	10						30
Other - Spe			· · · · · · · · · · · · · · · · · · ·	20 m		20 wood				3-7-7-3-3-3-1
ercent (nea	rest 10%) of S	itream Botto	om Covered							
lgae (attac	hed & fila.)							-		
Macrophyte	s ·			* Commence of the						COLUMN CO
Canopy / Sh	ading (circle	e one)		.60		50				
over for A	dult Gamefis	sh: Length (	nearest 0.01 m	n) of transect with	n 0.15 m up	stream or dow	nstream in	water at le	east 0.20 m i	n depth
Undercut Banks	Overhangin at least 0.20	ng Vegetatio ) m overhan		Other Debris	Boule		nerged ophytes		Macrophyte: 0.20 m deep	S Other - Specif
	1.0 let	,	2 helt							-
ank Erosid	on: Length o	f Continuous	Bare Soil (nea	arest 0.01 m) with	in 1 m of str	eam % of Ero	ded Bank	to the cres	st or within 5	m of stream edge
	Ľeft:	<u>O</u> . (m)	Right:	(m)		Le	ft:	(%)	Right _	(%)
iparian La	nd Use: Perc	ent (nearest	10%) of Bank	within 5 m of stre	am edge, al	ong transect			Section 7	Fotal Must = 100
Cropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	Woodland	Wetlar	nd Exp	osed Rock	Other - Specify:
	,	·					100	<b>S</b>		•
parian Bu	ffer Width: 1	 _ength (near	rest 1.0 m) of l	Undisturbed Land	Uses alone	transect, with	nin 10 m of	stream	•	
1/1		- + ID	· · · · · · · · · · · · · · · · · · ·			, , , , , ,				

11

Transect Data									
Stream Name	·				erbody ID ( 86540			e (MMDDYY 8 oJ Ze	YY) Transect No
Distance from Start (m) Stream		itat Type:	. ,	١ ١	full Depth (		onal)	Bankful	l Width (m) (optiona
158.1	,1	Riffle Poo	ol 🛮 Ru	n	, 7	3!			5.2
	Deepest	4.15					irrent St	tream Width)-	
	Point		,9	•	2/5 [-\frac{\dagger}{4}				
Water Depth (m)	.68	.68		<del>.</del>	0			36	, 18
Depth of Fines and Water (m)		170		. • (-	59			16	.76
Embeddedness (nearest 10%) of Course Gravel and Rubble/Co	obble ,								
Percent (nearest 5%) of Stream Bott	om Covered							Section	n Total Must = 100
Bedrock (solid slab)						<u> </u>			
Boulder (261 mm - 4.1 m)		· · · · · · · · · · · · · · · · · · ·							
Rubble / Cobble (65 - 260 mm)									
Gravel (2 - 64 mm)		·							
Sand (0.062 - 1.9 mm)									(0
Silt (0.004 - 0.061 mm)		60		9	5		30		80
Clay		20		5			30		
Detritus							10		10
Other - Specify:		Zo wood				1	אויסט ט	20 peut	
Percent (nearest 10%) of Stream Bot	tom Covered								
Algae (attached & fila.)					and the same of th				**************************************
Macrophytes		·						·/.	
Canopy / Shading (circle one)		50 cm			NATIONAL PROPERTY OF THE PARTY		100		
Cover for Adult Gamefish: Length	(nearest 0.01 m)	of transect withi	n 0.15 m เ	ıpstrear	n or downs	tream in	water a	nt least 0.20 m	in depth
Undercut Overhanging Vegetati Banks at least 0.20 m overha		Other Debris	Bou	ılder	Subme Macrop	-		ent Macrophytest 0.20 m deep	
2 hr							•	,	
Bank Erosion: Length of Continuou	s Bare Soil (nea	rest 0.01 m) with	n 1 m of s	tream	% of Erode	ed Bank	to the c	rest or within	5 m of stream edge
Left:(n	n) Right:	55 (m)			Left:	<u> </u>	> (%	) Right: _	<u> </u>
Riparian Land Use: Percent (neares	st 10%) of Bank v	vithin 5 m of stre	am edge, :	along tra	ansect			Section	Total Must = 100%
Cropland Pasture Barnyard	Developed	Meadow	Shrubs	s W	oodland	Wetla	and E	xposed Rock	Other - Specify:
						lov	)		
Riparian Buffer Width: Length (ne	arest 1.0 m) of U	Indisturbed Land	l Uses alo	ng tran	sect, withir	10 m c	of stream	n	
eft: <u> </u>				٠.,					