State of Wisconsin Department of Natural Resources

Wadable Stream Quantitative Habitat Evaluation

Form 3600-228 (R 6/07)

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772

14.4

Instructions: Bold fields must be completed. Record all measurements in metric units. Station Summary Stream Name Waterbody ID Code SWIMS Station ID FH Database ID 5 3400 Mullet 10008194 632B6 Date (MMDDYYYY) Station Name 08 23 2017 USOF Latitude - Longitude Determination Method Used Datum Used SWIMS NAD83 Start Latitude Start Longitude End Latitude End Longitude County Sheboygan 43.792118 -88 01061 Water Characteristics Water Temperature (C) Time (24-hr clock) Air Temperature (C) Conductivity (µs/cm) Transparency (cm) Dissolved Oxygen (mg/l) Dissolved Oxygen % Saturation рΗ Flow (m³/sec) Water Level (check one - measure distance if Above or Below Normal): Water Clarity: (from Flow Data sheet) ⊠Normal Clear Below: Above: __ Turbid Stained 299 Channel and Basin Characteristics Stream Widths (m) 78 71 77. 13 74 110 7/1 93 11.5 83 9.2 6.8 8,7 8.5 8.6 8.1 Mean Stream Width (m) Transect Spacing (m) Station Length (m) 97m Channel Condition: > 20-year-old 10- to 20-year-old < 10-year-old X Natural Concrete Channel (check one) Channelization Channelization Channelization Percent Channelization Sinuosity Gradient (m/km) Basin Area (km²) Stream Order 102.701 12.6 (from Map Data Sheet) Mean Distance (m) Between: Riffles: Bends: P, MOI Total (Sum) Length (m) of All: Riffles: Pools: Runs: 14.99 m Mean Length (m) of Individual: Riffles: Pools: Runs: Person(s) Who Collected Data (Full Names) Comments / Notes

Flow Data

Instructions: *

* In water shallower than 0.8 m, a single velocity measurement is made at a depth of 60% of the distance between the water surface and the bottom of the stream.

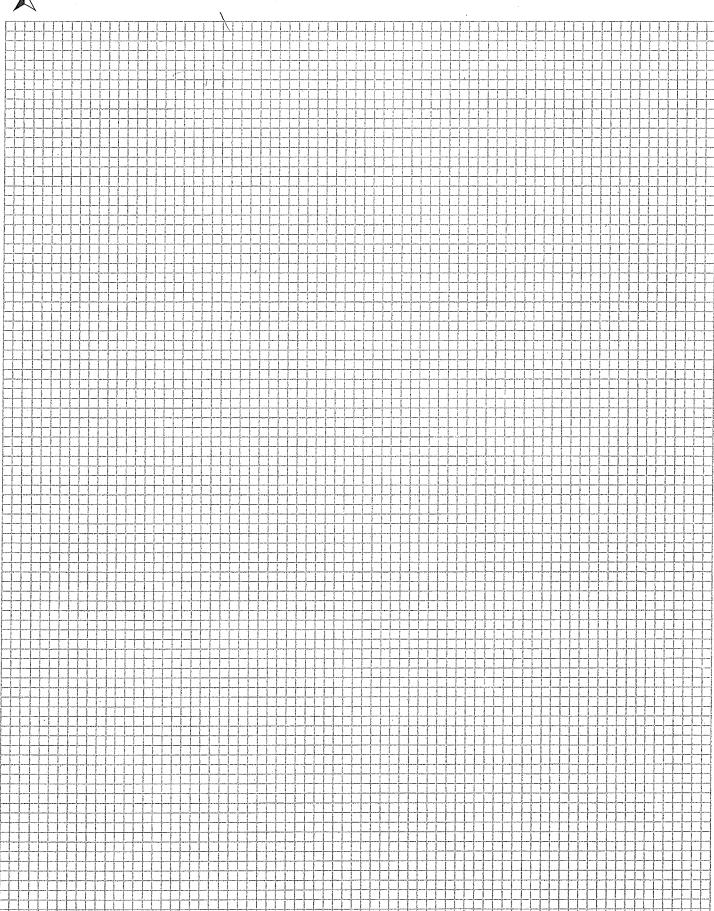
In water deeper than 0.8 m, two velocity measurements are made, one at 20% and the other at 80% of the distance between the water surface and the bottom of the stream.

Stream Name M , \ \ & C		Waterbody ID Code づろ400	Date (MMDD の8つよう(YYYY) Stream Width (ft or m)
Distance from Left Bank	Depth	Velocity *	Cell Width	Product
(ft or m)	(ft or m)	(ft/sec or m/sec)	(ft or m)	(Depth x Velocity x Cell Width)
	\mathcal{O}	2		
		35		
2	. 75	1.33		·
3	. 8	.96	٠.	
4	67	1,03		
5	-7	618		
6	0	1.02		,
7	. 8	.81		
E	. 9		4-14-14-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
q	lel	1, 2,0		
10	1 1	1.46		
- 1	1.35	1.38	- 1	
	1.33	1,61		
13	1.5	1,43		
14		1.44		
	1.15	 	,	
15	1.3	1.46		
16	1,15	.91		
	1,05	.39-		
18	1.0	.18		
19	<u> </u>	.03		
20	O	0		
			· ,	
	•			
•				
		,		() . 199 ft³/sec

	Flow = Σ Products = _	0.299	m³/sec
1	If ft³/s	sec, then divide by 35.	3 for m³/sec
Report Va	lue to Station Summary	0.299	m³/sec

	trans	The state of the s	Wadable Stream Form 3600-228 (R 6/07		ative Hab	itat Evaluation Page 3 of 5	
	△ √3 Map Dat Stream I	a	- property of the second secon	Waterbody I		Date (MMDDYYYY) の多つろうのぐう	13
	/∪ Dist.	Turer Floor			•	0282 300 1	
	from Start (m)	Stream Feature (Bend, Riffle, Pool, Run, Log Jam, etc.)		Distance	Summary Distance Bet	tween Riffles (m)	
อร์	0	Sos	Distance Between Ber		Measurement end of one Ri	ts from the Upstream iffle to the Downstream xt Riffle Upstream	
0,	18.5	7',	Downstream - 1st:		Downstream	- 1st: 40-34.5=	35.5
	34	St. 4 ()	1st - 2nd:			- 2nd: <u>89.2 - 79.5</u>	
	-	End official for	2nd - 3rd:		2nd	- 3rd: <u>13</u> 5-99 = 3	6
	36		3rd - 4th:		3rd	- 4th: 193 154 = 1	39
	70	122 22 54 6 11 11	4th - 5th:		4th	- 5th: <u>231 de 2110</u>	151
	79.5	End intelletion	5th - 6th:		5th	- 6th: <u>276-238</u> =	3 8
	39		6th - 7th:		- 6th	-7th: 317-297-;	20
	89.7		7th - 8th:		. 7th	- 8th:	
,	90.	End post /St. 1 / 1/1/	8th - 9th:		. 8th	- 9th:	
	99	End M. Rely	9th - 10th:		9th -	10th:	
. 5	103	Boil (2)	10th - 11th:		. 10th -	11th:	
	10%	4 1 1/4 (0 .)	11th - Upstream:		. 11th - Upstr	ream:	
		and the second	Sum:	which are the second		Sum: 193.3	
		The tad pool Start 100	Mean:	in a refer of the design of the second		Mean: <u>24, (69</u>	
	152)				Riffles, Pools		
	193	Stall aster & Dead on a 18th of the	- 1st Riffle: <u>241 - 18,59</u>	હિલી st Pool:	89.2-840	1st Run: 10 31	(36)
,	3176	End : 100 /Sturious	2nd Riffle: 715-10	2nd Pool:	117-108(9	2nd Run: <u>21 - 19.5</u>	1000
d .	3316	Ta contest of the	3rd Riffle: 99 99.70	3rd Pool:		3rd Run: <u>\િર્ક-૧</u> ળ	(q)
Ų,	253	TID	4th Riffle: 1671-135	14) 4th Pool:		4th Run: 135~11호	(vb)
	258,5	FROM (D)	5th Riffle: 216-1176	5th Pool:		5th Run: 193~131	(39)
	374	Color of That I (16)	6th Riffle: <u>236-1314</u>				
	2977		7th Riffle: 2932-190	7th Pool:		7th Run: <u>2710 - 235</u>	(3b)
	306	TIZ Statistical M	8th Riffle:	8th Pool:		8th Run: <u>314 - 294</u>	7195
	317	EOS end run Istal all	9th Riffle			9th Run:	Andrew Street
	-11		10th Riffle:	10th Pool:		10th Run:	
			11th Riffle:	11th Pool:		11th Run:	
		of station on book of this short (anti-nell)			14.7	Sum: 149,21	
	Diaw map	o of station on back of this sheet (optional)	Mean: 14,99	Mean:	7.1	Mean: 22.43	Ś

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Transect I	Data 🗀 🗧		3.00 第		light.						
Stream Na	ime . Mull	o L 0	1.00				erbody ID	Code	Date (Y) Transect No
Distance f	rom Start (m	\bigcirc	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	bitat Type:			rfull Depth	(m) (optior			्राव्याः । Width (m) (optional)
Dictarioo	9	· I	.5 [ol 🏿 Ri	n ur	.38	3		1	2,2
			Deepest	-	Ch	annel P	osition (Fif			am Width)	
			Point	1.5 1/5		3	2/5	61.	3/5		4/5
Water Dep	oth (m)			1.2.1		20	<u> </u>		32	-	- <u>db</u>
Depth of F	ines and Wa	ater (m)		.74		er e	28		32		. 26
	dness (neare Gravel and		hble	50			0		50	i I	10
was an in the second of the	arest 5%) of S	10 1 10 10 10 10 10 10 10 10 10 10 10 10	Constant Constant Property Constant						-	Section	Total Must=100
Bedrock (s	olid slab)	eric — A volger "Gladelevelis grade									
	61 mm - 4.1 r	n)			٠. ا						
	obble (65 - 26	-		40		. (50	Vo.	20		60
Gravel (2 -				10		. 1	0				30
	2 - 1.9 mm)			.50		L	10	-	30		10.
	- 0.061 mm)						,				· ·
Clay											
Detritus											
	-: <i>c</i>							-			
Other - Spe	- Language 19,220	Stream Bot	tom Covered								
Algae (attac		<u> </u>		0		ı	0		10		10
Macrophyte	· · · · · · · · · · · · · · · · · · ·			0			0		O		0
	hading (circ	lo one)	:	0			10		30		60
BURNESS SAME SAME SAME	na na ang ang kanggarang ang ang	-40 - 30 SI SI SI SI	(nearest 0.01 n	n) of transect with	n 0 15 m	upstrea	4305A6	stream in v	vater at l	east 0.20 m ii	
Undercut	Overhangi	ng Vegetat	on Woody	Other			Subme	erged E	Emergent	Macrophytes	2011 S415 S724 S
Banks	at least 0.2	20 m overha	1	Debris	Bo	oulder	Macro	ohytes	at least (0.20 m deep	
Bank Erosi	on: Length	of Continuo	us Bare Soil (ne	arest 0.01 m) with	in 1 m of	stream	% of Erod	led Bank to	the cres	st or within 5	m of stream edge
	Left:	<u>(r</u>		(m)			Left	ก	(%)	Right:	<i>O</i> (%)
Ripa <u>rian La</u>				within 5 m of stre	am edge	, along t			(/0)		(\2/ fotal Müst=:100%
							Voodland	Wetlan	d Evn	osed Rock	Other - Specify:
Cropland	. Pasture	Barnyard	l Develope	d Meadow	Shrub	Jo V	40	·50	u lexb	·.	
					4			L			
Riparian Bu	ıffer Width:	Length (ne	arest 1.0 m) of	Undisturbed Land	d Uses al	ong trar	nsect, withi	n 10 m of	stream		

Left: +10 (m) Right +10 (m)

Transect I	Control of the Contro			100	je sa zave				
Stream Na	ame. ////	Not	River			Waterbody ID らるみの		Date (MMDD	YYYY) Transect N
Distance f			/idth (m) Hat	oitat Type:	· · · · ·	Bankfull Depth	and .		full Width (m) (option
-	36	11.5)	Riffle Poo	I 🛭 Run	:5	8	.	12
,			Deepest	-			fths of Curr	ent Stream Wid	h)
			Point	1/5 🤉	.3 4.	<u>(</u> 2/5		3/56.9	4/5
Water Dep	oth (m)			.15		,16		.05	.14
Depth of F	ines and Wa	iter (m)		.15		16		. 25	.12/
	iness (neare Gravel and i	,	ahla	20		40		0	0
AND THE RESERVE	arest 5%) of S	\$65.00 Pulke U H 12050-5-7	to the second second second second			η O		Sec	 tion Total Wust∈d0
Bedrock (s	olid slab)							1	
	61 mm - 4.1 n	n)		*****				70	30
Rubble / Co	obble (65 - 26	60 mm)		60		60		70	
Gravel (2 -	64 mm)			20	<u>-</u>	10	-	O	50
Sand (0.06	2 - 1.9 mm)			10		30			
Silt (0.004 -	0.061 mm)								10
Clay									·
Detritus									10
Other - Spe	cify:	ver q		19.					
ercent (nea	rest 10%) of S	tream Botto	m Covered						
vlgae (attac	ched & fila.)			0	-	10	. <	20	
/lacrophyte	S			0		0		0	0
Canopy / Sh	nading (circle	e one) ·		_ 60		10		30	40
over for A	dult Gamefis	s h: Length (r	nearest 0.01 m	of transect within	.0.15 m ups	tream or down	stream in w	ater at least 0.20	m in depth
Undercut Banks		ng Vegetation D m overhand		Other Debris	Boulde	Submer Macro		mergent Macroph at least 0.20 m de	
Balino	at loadt 0.20	3 III OVOITIGITE	J DEBIIS	·	Boulde	i Widelo	priytes	at least 0.20 III de	
ank Erosio	on: Length o	f Continuous	Bare Soil (near	rest 0.01 m) within	1 m of strea	am % of Eroc	led Bank to	the crest or with	in 5 m of stream edge
	Left:	37 (m)	Right:	(m)		Lef	t: 30	(%) Right:	- \$30 (%)
iparian La	Stranger Mark		2010 Sept. 0.55	vithin 5 m of strea	n edge, alor	ig transect		than the selection of	on Total Must=400
	· 明 李 & . 2 李 () 《 · · · · · · · · · · · · · · · · · ·								Other - Specify:
Cropland	. Pasture	Barnyard	Developed	Meadow	Shrubs	Woodland	Wetland	Exposed Ro	CK
			<u> </u>		40	40	00		

Right ___

Transect Data		A. () 数 ()		Marine S.	建筑等 。	排列 一	数字字原	"。"请说
Stream Name	A) I	*O '#			Waterbody ID		•	YY) Transect No
Mullet			he e spe	•	53407		080317	3
Distance from Start (m) St		· · ·	itat Type:	ol 🏻 Run	Bankfull Depth	(m) (optional) Banktul	Width (m) (optional
	$\frac{\mathscr{E}_{i}}{1}$		Riffle Poo		nel Position (Fi	flbs of Curren	t Stream Width)	10.9
		Deepest Point	1/5		2/5 ≷ , ≤	- Carron	3/5 5.25	4/5
Water Depth (m)			,17		, , , , , , , , , , , , , , , , , , , ,	.2:	•	. 2
Depth of Fines and Water	(m)		:17		. 23	0 @	3	, <i>O</i> .
Embeddedness (nearest 1	•		2,0		20		0	
of Course Gravel and Rub Percent (nearest 5%) of Streat	isiedžiumos							~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
rercent (nearest 5%) of Stream	II 1301(0)	ni Covered				(n Total Must=100
Bedrock (solid slab)		·						
Boulder (261 mm - 4.1 m)					10			
Rubble / Cobble (65 - 260 m	ım)		40		50	4	10	30
Gravel (2 - 64 mm)			10		10	4	10	40
Sand (0.062 - 1.9 mm)			50		30	9	-0	30.
Silt (0.004 - 0.061 mm)								
Clay								<u> </u>
Detritus								•
Other - Specify:						-		
Percent (nearest 10%) of Strea	m Botto	m Covered						· · · · · · · · · · · · · · · · · · ·
Algae (attached & fila.)			. 0		0	C)	6
Macrophytes			0		0	()	0
Canopy / Shading (circle on	e) ·		70		80	9	O	100
Cover for Adult Gamefish:	Length (ı	nearest 0.01 m)	of transect withi	n 0.15 m up	stream or down	stream in wat	er at least 0.20 m	in depth :
Undercut Overhanging V	•	1 .	Other	ľ	Subm		ergent Macrophyt	
Banks at least 0.20 m	overhan	g Debris	Debris	Bould		phytes at	least 0,20 m deep	<u> </u>
		B . C	1001:)		8			<u> </u>
Bank Erosion: Length of Co	ntinuous	Bare Soil (hear	est 0.01 m) withi	n i m of stre		*	ie crest of Wilnin	5 m of stream edge
Left: 1	<u>)</u> (m)	Right:	<u>(</u> m)		over the second	40	(%) Right: _	<u> </u>
Riparian Land Use: Percent	(nearest	10%) of Bank w	ithin 5 m of strea	im edge, ald	ong transect		Section	Total Müst=100%
Cropland Pasture Ba	arnyard	Developed	Meadow	Shrubs	Woodland	Wetland	Exposed Rock	Other - Specify:
			·	70	80		•.	
Riparian Buffer Width: Leng	ith (near	est 1.0 m) of U	ndisturbed Land			n 10 m of stre	eam	

Transect Da	ita ·		F-1,75			件	A.			11.8	Property.		100万
Stream Nam	re. Mu	llex	Piver				l	erbody ID (ろれて)	C to	.		1 YYY 20	Y) Transect I
Distance from			¥ "		at Type:	•	*stunios	full Depth	0,*	lional)	10,3		' ृ्त् Vidth (m) (optior
	0	9.			Riffle Poo	Run		, 5	5			1	13.60
•			Deepes		•		nel Po	osition (Fift	hs of C	urrent	Stream Wid	th)	
-			Point	_	1/5 9	5		2/5 3,6			3/5 5 0	-	4/5 7.3
Water Depth	n (m).				.14		=4		0		30		
Depth of Fir	nes and Wa	iter (m)		ļ	114		فتتن	ALK ")0	9	30	<u> </u>	011
Embeddedn of Course G	•	•	hhie		70			.50			0		O
Percent (near	inganitai espani	estas (jagota) aikstijs			T_{i}						Sec	tion	Total Must∈ 10
Bedrock (sol	id slab)				die in die deutsche d								
Boulder (261	mm - 4.1 m	n)			80			10					
Rubble / Cob	oble (65 - 26	0 mm)						10		1	90		70
Gravel (2 - 6	4 mm)					•		6 30)				
Sand (0.062	- 1.9 mm)				20			50					
Silt (0.004 - 0).061 mm)			_									
Clay					- -								
Detritus						-						ļ	
Other - Speci	ify:									1.00///00000			
Percent (near	est 10%) of S	tream Bott	om Covere	d) -					i.	1			
Algae (attach	ed & fila.)				20		B	<u> 0</u>		3	0		<i>Du</i>
Macrophytes			·				Ø	\$ <u>0</u>		L	<u> </u>		0
Canopy / Sha	iding (circle	e one) ·			30		K	70 BC)	10	00		100
Cover for Ad	ult Gamefis	sh: Length	(nearest 0.0	1 m) c	of transect within	.0.15 m up:	trear	n or downs	tream ir	wate	r at/least 0 2	Omin	depth
Undercut Banks	Overhangir at least 0.20				Other Debris	Bould	er	Subme Macrop	-		ergent Macrop east 0.20 m d		Other - Specif
		30 1 1 20 30 10						7.0					
Bank Erosion	n: Length o	f Continuou	s Bare Soil	(neare	st 0.01 m) withir	1 m of stre	am	% of Erode	ed Bank	to th	e crest or with	nin 5 n	n of stream edge
	Left:	<u> </u>) Right:		<u>₹ 1 ≈ 0</u> (m)		F28712	Left	()		(%) Right	<u>. S</u>	(%)
Riparian Land	d Use: Perd	ent (neares	t 10%) of Ba	ink wil	hin 5 m of strea	m edge, alo		anseci			Sect		otal Müst = 100
Cropland .	Pasture	Barnyard	Develo	ped [']	Meadow	Shrubs	, M	oodland/	Wetla	ınd	Exposed Ro	ock	Other - Specify:
						20		50	BO)			
iparian Buff	er Width:	l ength (nea	rest 1 0 m)	of Un	disturbed Land		tran	sect within	10 m c	f stre	am		

Left: _______(m) Right: _______(m)

Transect D	Data :		3.47	75 14 (P)					
Stream Na	ame.	.110+	River			Waterbody ID ららん()		Oate (MMDDYY がと23-2	YY) Transect No
Distance f			Vidth (m) Hal	oitat Type:		Bankfull Depth		404 11 11 (apr 1 1	Width (m) (optional
Diotarios i	117	6.8		Riffle Poo	ol 🗌 Run	3	7		8.4
			Deepest	. Tilliana.	Chann		ths of Curren	t Stream Width)	- Vacquirin
			Point	1,35 1/5	9.	2/5		3/5 4,05	4/5 🖔 🦑
Water Dep	oth (m)			.51		.42		2	-06
	ines and Wa			, 5		- "42 <u>-</u>	- 01	6	106
	dness (neare Gravel and l		bble	io		10	3	0	40
1981 - 17 (2008)	arest 5%) of S	Colored Colored States	a making Anglik kanananan					Section	n Total Must∈ 100
Bedrock (s	olid slab)								
Boulder (26	61 mm - 4.1 r	n) .							
··········	obble (65 - 26			80		80	*****	70	10
Gravel (2 -				10		10			50
	2 - 1.9 mm)			1.0		10	30)	410
<u>-</u>	- 0.061 mm)								750
Clay	,								
Detritus									
Other - Spe	cify.						-		
Eduska Johnson Arkenska A	erest 10%) of S	Stream Botto	om Covered		Vet				
Algae (attac	ched & fila.)			. 0		0	. ()	0
Macrophyte	·		-	0		0		0	0
	hading (circl	e one) ·		40		9.0	•	70	60
SERVICE CONSTRUCTOR	ASSESSMENT AND CONTRACTOR	in a state of the second	nearest 0.01 m	ı) of transect withi	n 0.15 m ups	tream or down	stream in wat	mai leasi 0.20 m	in depth.
Undercut		ng Vegetatio		Other		Subme	- 1	ergent Macrophyte	
Banks	at least 0.2	0 m overhar	ng Debris	Debris	Boulde	er Macro	phytes at	least 0.20 m deep)
Bank Erosi	on: Length (of Continuous	Bare Soil (nea	arest 0.01 m) with	in 1 m of stream	am 1% of Eroc	led Bank to th	e crest or within	5 m of stream edge
Jank Liosi	-	0		1)		Lef			(%)
linarian La	Left:	cent (neares)	range and Alberta Comments	(m) within 5 m of stre	am edge alo	C. C. W. W. W. C. C. C.		(%) Right: _	(%) Total Müst⊜/100%
Paniali La		Jen. (neales)						Other - Specify:
Cropland	. Pasture	Barnyard	Developed	l Meadow	Shrubs	Woodland	Wetland	Exposed Rock	
			ı		20	()	1 / 12	1	ì

Transect	Data .		1000年							### T	Š			· [4]	
Stream Na	ame . M. J. (ellet	Rive	X.	:		. \		rbody ID うろくし		- 1	Date (MMDDY のなうようの	•	Transed	t No.
Distance f	rom Start (m				at Type:		· E	Bankf	full Depth	(m) (opt	- 1		1	ith (m) (op	tional)
1	144	8-	(Mı	Riffle Po	ol 🔲	Run		.6)	·		q	, c ₄	
•	•		Deepest		-		Channe	el Po	sition (Fif	ths of Cu	urren	t Stream Width)	,	
			Point	- 1	,6 1/5			2	2/5 3,5	-		3/5 4 8		4/5	<u>, 4</u>
Water Dep	oth (m)				.13			1 4	7		`. B	ing		-17	•
Depth of F	ines and Wa	iter (m)			(3			00	27		,	7		61.	
	dness (neare Gravel and i	•	hhle		30			_5	0			")		\bigcirc	
\$50.5000 F. T.	arest 5%) of S				7.7								on Ta	tal Must∈	100%
Bedrock (s	olid slab)		erezantekon eta erezantea karen erezantea eta erezantea eta erezantea eta erezantea eta erezantea eta erezante											er en	See As a second
Boulder (26	61 mm - 4.1 n	٦)										3			
	obble (65 - 26	····			60	. ,		5	0		9	0		70	
Gravel (2 -	64 mm)				10			Į (0 .					80	
	2 - 1.9 mm)				30	. ·		a)	0		1	0			
	- 0.061 mm)												-		
Clay															
Detritus															
Other - Spe	ecify:														
Percent (nea	arest 10%) of S	tream Bott	om Covered												
Algae (attac	ched & fila.)				0				· >		80)		50	<u>-</u>
Macrophyte	es .				0			0	3		0			0	
Canopy / Si	nading (circle	e one) ·			90			1	0		0			0	
Cover for A	dult Gamefis	sh: Length ((nearest 0.01	m) o	f transect with	n 0.15 i	m upsti	ream	or down	tream in	wate	r at least 0.20 p	m in d	epth	
Undercut Banks	Overhangir at least 0.20				Other Debris		Boulder		Subme Macror		4	ergent Macrophy least 0.20 m dea		Other - Spe	ċify:
Daliks	at least 0.2t	Jili Overilai	ig Debris		Deptis		ouidei	-	············	.	ati	east 0.20 III det	3P		
Bank Erosi	on: Length o	f Continuous	Bare Soil (n	еаге	<u>l</u> st 0.01 ṁ) with	 in 1 m o	of strea		% of Erod		to th	e crest or within	15 m	of stream e	dge
	Left:	<u> </u>) Right: _		<i>O</i> (m)				Left	:	<u>} </u>	(%) Right.	C	2(%)	
Riparian La	nd Use: Perc	ent (neares)	.10%) of Ban	k wit	hin 5 m of stre	am edg	e, alon	g tra	nsect			Section	n Tot	il Müst = 1	00%
Cropland	. Pasture	Barnyard	Develop	ed ·	· Meadow	Shru	ıbs .	Wo	oodland	· Wetla	ınd	Exposed Roc		her - Speci	ify:
								q	(0	. 15	>				
Riparian Bu	ffer Width:	enath (nea	rest 1 0 m) o	f Hr	disturbed Lanc	llses:	alona t	ransi	ect within	L		am	- • 		

Right ______

_ (m)

Left:______(m)

Transect I								Mata	rbody ID	Codo	, sy	oto (M	MDDVV	VV Trai	nsect No
Stream Na	ame .	W.	Met	Ri	il.	•			5340		- 1	- 1	3/20	- 1	7
Distance f	rom Sta	art (m)	Stream V	Vidth (m)	Habi				full Depth		onal)	· ·		Width (m)) (optional
	71		I V	.7		Riffle Poo		*		,31				10.3	
				Deepes		-			sition (Fif						- Parison
				Point	-	1/5	.75 .		2/5 3,5	}		3/5 <u>S</u>	35	4/5	5 }
Water Dep	oth (m)					, D		• [16		.2	0		00	4
Depth of F	ines ar	nd Wat	er (m)			, O plan	No.	• 1	8		. 2	10		6,	4
Embedded of Course				bble		So		vanue.	0		10	9		1	0
Percent (ne		10 - SERVE 100	energy Caregory	Company of the Company	đ .							7 7 76	Section	Total Mi	ıst∈100%
Bedrock (s	olid slat	o)													
Boulder (26	31 mm -	4.1 m)			10					Ŋ	0			<u>.</u>
Rubble / Co	obble (6	5 - 260	omm)			50_		. 2	0		50			86	2
Gravel (2 -	64 mm)	1				25		. 0	00					10	,
Sand (0.06	2 - 1.9 r	nm)				15		<u> </u>	0		10)		10	
Silt (0.004 -	- 0.061	mm)										<u> </u>			
Clay														·	
Detritus															
Other - Spe	ecify:				_					-					
Percent (nea	arest 10º	%) of Si	tream Bott	om Cover	ed'									1.72	
Algae (attac	ched & t	fila.)				10			0		6	()		80)
Macrophyte	s					0			0		Ć.)		0	
Canopy / Sł	hading	(circle	one) ·			30			Ó		C)		10	
Cover for A	dult Ga	imefis	h: Length	(nearest 0.	01'm)	of transect withi	n.O.15 m up	strean	n or down	tream ir	wate	ratilea	st 0.20 m		
Undercut Banks			g Vegetation			Other Debris	Bould	der	Subme				lacrophyte 20 m deep	-	- Specify:
				3											
Bank Erosi	on: Le	ngth of	Continuou	s Bare Soil	(near	est 0.01 m) withi	n 1 m of str	eam	% of Eroc	ed Bank	to the	e crest	or within 5	om of stre	am edge
	Le	eft:	<u>O(m</u>) Right		<u></u>			Lef	<u>. 0</u>		(%)	Right:	0	(%)
Riparian La	nd Use	: Perce	ent (neares	t 10%) of E	ank v	ithin 5 m of stre	m edge, al	ong tra	insect.,				Section	Total Mus	
Cropland	. Past	иге	Barnyard	Devel	oped	Meadow	Shrubs	· w	oodland	Wetla	and	Expos	ed Rock	Other - 3	Specify:
							20		60_	. D.	<u> </u>		• ;		
≀iparian Bu	ıffer Wi	dth: L	ength (nea	rest 1.0 m) of U	ndisturbed Land	Uses alon	g trans	sect, withi			am			

Right _______(m)

Wadable Stream Quantitative Habitat Evaluation

Asland,

Form 3600-228 (R 6/07) .

Page 5 of 5

Transect D)ata 💮		5-46 P. S.	7.5		. / / 港		-1	$(S_{ij})_{ij}$			
Stream Na			1	10 6		i	erbody ID		1 '	•	· 1	Transect No.
		Mull.		Jer.			<u> 5340</u>			23 20		8
	400	- 1	Width (m) Hat			Ban	kfull Depth		naí)	Bankful		(m) (optional)
	98 .	8.5		Riffle Po	0	Run	-5	3			12.	<u> </u>
			Deepest	-		hannel P	osition (Fif	ths of Cur	rent Stre	am Width)	· · · · · · · · · · · · · · · · · · ·	
			Point	1, 1/5			2/5 🕽 🖰	7	3/5	9		4/5 / <i>O</i> , 3
Water Dep	th (m)			.21			15		.17		. (*)	23
Depth of F	ines and Wa	ater (m)		.72		ę	15		76.)	-0	3
	lness (neare Gravel and l		bble	0	ĺ	,	6		10		(Emile Sanda
1686 MOS (2017)	arest 5%) of S									Sectio	n Tota	Must=100%
Bedrock (so	olid slab)											
Boulder (26	31 mm - 4.1 r	n)							•			
Rubble / Co	obble (65 - 26	60 mm)		75	-	ķ	30	£.;	5 o		E	? O
Gravel (2 -	64 mm)			10		1	0 🖯	V	, >		Carried S	(2)
Sand (0.062	2 - 1.9 mm)			· Suprami		1	O		10			
Silt (0.004 -	0.061 mm)											
Clay												
Detritus												
Other - Spe	cify:	wod		10.								
BOOK SERVICE CONTRACTOR OF THE PROPERTY	rest 10%) of \$	a de para el Berèno (prove 10) por	om Covered									
Algae (attac	hed & fila.)			(5)		50		6	0
Macrophyte	S			0		()		0		É	
Canopy / Sh	ading (circl	e one) ·		80		0	U		6		8	30
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 m) of transect with	n.0.15 r	n upstrea	m or down	stream in v	vater at le	ast 0.20 m	in dep	lij
Undercut Banks		ng Vegetatio 0 m overhar	1	Other Debris	·	oulder	Subme	- 1	-	Macrophyto 0.20 m deep		ner - Specify:
Damo	at least 0.2	o iii overiiai	ig Deblis	Deblis		oulder	Macro			7.20 11 deep	+	
Bank Erosio	on: Length o	of Continuou	<u> </u>	rest 0.01 m) with	<u> </u>	f stream	,		the cres	t or within	5 m of :	stream edge
		0.		0				. 0			Ë)
200	Left:	(m		(m)			Left		(%)	Right:	35 31 4	(%)
Riparian La	nd Use: Per	ent (neares	t 10%) of Bank v	within 5 m of stre	am edge	e, along t	ansect			Section		Musi=100%
Cropland	. Pasture	Barnyard	Developed	. Meadow	Shru	ıbs V	Voodland	Wetlan	d Expo	osed Rock	Othe	er - Specify:
			,			****	70	30		•		·
Pinarian Du	ffor Width	l anath /nac	aroot 1 0 m) of l	Indicturbed Lanc	i Hooo e	olone teor	الطالب الممم	- 10 6.	-t			

Right: 10 (m)

___ (m)

Transect Data						M. () () () () ()	2	(/MMDD)///	OO Toolook No
Stream Name	f).	AuMek	VLIVE	· .		Naterbody ID 0 らろれので		1te (MMDDYY 38 23 20	YY) Transect No
Distance from S		Stream Wi	dth (m) Hat	oitat Type:	E	Bankfull Depth (Width (m) (optional
225		11.8-	2(4.2)	Riffle Poo		.47	·········		18.9
			Deepest Point	1/5 \ .		el Position (Fift 2/5 ン. S		Stream Width)	4/5 / 1.5
Water Depth (m)	· · · · · · · · · · · · · · · · · · ·			,25	· ·	.25	50	19	.18
Depth of Fines a		er (m)	270.7	.25		-26	.25		.23
Embeddedness of Course Grave	(neares	st 10%)	alo.	30		50	ر برماندر الأمام	0	80
Percent (nearest 5	7. Carlos 600	4 A 14 A 15 A 16	are established to be a filled that the					Section	Total Must=100
Bedrock (solid sla	ab)								
Boulder (261 mm	- 4.1 m)		10					
Rubble / Cobble ((65 - 260	O mm)		70		70	56)	
Gravel (2 - 64 mn	n)						30	,	20
Sand (0.062 - 1.9	mm)			20		20	30	>	70
Silt (0.004 - 0.061	mm)								10
Clay									
Petritus									
Other - Specify:_		200			(A. S. A. A.	10	~		
ercent (nearest 1	0%) of S	tream Bottor	n Covered						
lgae (attached &	fila.)			10		0	30		
lacrophytes				0		0 .	O		
anopy / Shading	Employed Control of	CAMPAGE STREET		70		0	10		90
over for Adult C					n 0.15 m ups		<i></i>		MODEL STATE OF THE
		g Vegetation m overhang	Woody Debris	Other Debris	Boulde	Subme Macrop	- 1	gent Macrophyte east 0.20 m deep	
									, .
ank Erosion:	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 t	5 m of stream edge
	Left:	(m)	Right:	(m)		Left		%) Right:	(%)
iparian Land Us	e: Perc	ent (nearest 1	0%) of Bank	within 5 m of stre	am edge, aloi	ng transect		Section	Total Mitist ⊜ 100% Other - Specify:
Cropland . Pas	sture	Barnyard	Developed	l Meadow	Shrubs	Woodland	Wetland	Exposed Rock	
			l	1		40	60	·	

Transect l	Data .							, c				
Stream Name				Waterbody ID Code			Date (MMDDYYYY) Transe					
Distance from Start (m) Stream Width (m) Ha					53400 (08 23 2017 10				
		n) Stream V		_	Bankfull Depth (m) (optional)				Bankfull Width (m) (optional)			
	52	1 8	. 0	Riffle Po	ool Run	-1	3.6	0		10,7		
Deepest Point			Deepest Point	1/5 (3.4		Stream Width)	4/5 68		
			7 01112					g/in-	Colo Se ()			
Water Depth (m)				. O .		,3 <i>l</i>		36	of soften	.3(
	ines and W			. 3-7	7	,56	5	1 G molen		.31		
Embeddedness (nearest 10%) of Course Gravel and Rubble/Cobble				50		20	-	.5	0	201		
6860 Next 9 1.1	arest 5%) of S	A A Salah Baruman Barum	Contraction of the second second						n Total Must=100%			
Bedrock (s	olid slab)									Accessed to the second		
	61 mm - 4.1 i	m)										
	obble (65 - 2			80		10 60				100		
Gravel (2 -						10		Sé)	* ************************************		
Sand (0.06				70		20		40'50		30		
						O and			Carlot Procession	agents Constit		
Silt (0.004 - 0.061 mm)								<u></u>		ı		
Clay Detritus	-											
								·				
Other - Spe Percent (nea	rest 10%) of	Stream Botto	om Covered					12.61				
	Algae (attached & fila.)					O		10		0		
Macrophytes				0		<u> </u>		0		$\overline{\partial}$		
	Canopy / Shading (circle one)				100			80		80		
	740 TO 1831 TO		nearest 0.01 m)		in 0.15 m up	stream or	downstream	in water	ai least 0.20 m			
Undercut Overhanging Vegetation Woody			Other		Submer		• • • •					
Banks	Banks at least 0.20 m overhang Debris		g Debris	Debris Bo		oulder Macroph		hytes at least 0.20 m o		1		
Bank Erosi	on: Length	of Continuous	Bare Soil (near	est 0.01 m) with	in 1 m of str	eam % of	Froded Ban	k to the	crest or within	5 m of stream edge		
		Ω		α	· · · · · · · · · · · · · · · · · ·	70 01				0		
Pinarian I a	Left:	(m)	Right:	<u>(m)</u>			Left:(<u>) </u>	%) Right _	(%)		
dissilian Fai	IL USE PER	sent (nearest	1076) Of Barift W		am euge, all				4. 26410U	Total Nust = 100% Other - Specify:		
Cropland	. Pasture	Barnyard	Developed	Meadow	Shrubs	Woodl		land	Exposed Rock	Other - Specify.		
						50	5	50				
Pinarian Du	ffor Midth	1	oct 1 0 m) of U					-f -t				

Right 40

Transect L	Data 💮		2						SE)				
Stream Name Mullet River			2) 12			Waterbody ID Code		. 1	•	(Y) Transect No.			
		·			53400			08232017					
e from		1	ا Hab				Bankfull Depth (m) (optional)			Bankfull	Bankfull Width (m) (optional)		
2.	<u> </u>	19		Riffle Poc		un	<u> </u>	"			11.7		
			Deepest			T		ths of Cu	ns of Current Stream Widt		n) 4/5		
			Point	1/5 , &\$		2/5 3		3/55.65		35.35	4/3		
Water Depth (m)			.17		L	.18		774		,05			
Depth of F	ines and Wa	.17			8	15,			.10				
	iness (neare Gravel and∃	20		- / ₁		C) ,	#					
東京を表示しています。	erest 5%) of S	en on her bedeat					- 1. - 1.57	Section	on Total Must=100%				
Bedrock (so	olid slab)												
Boulder (26	61 mm - 4.1 r	n)			٠.						<u> </u>		
Rubble / Cobble (65 - 260 mm)				80		. 8		80					
Gravel (2 - 64 mm)						. 1	10		20				
Sand (0.062 - 1.9 mm)				20	/								
Silt (0.004 - 0.061 mm)									·		100		
Clay)		
Detritus													
Other - Spe	cify:							-					
Percent (nearest 10%) of Stream Bottom Covered						37							
Algae (attached & fila.)				30		20		,	30		0		
Macrophytes				0		0		0			0		
Canopy / Shading (circle one)				0		0		6			0		
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 m) of transect within	i 0.15 m	upstrear	n or down	tream in	water a	at least 0.20 m	n depth.		
1 000		1	Other Debris	Bo	oulder	Subme Macrop		_	ent Macrophyte ist 0.20 m deep	S Other - Specify:			
		.51				маскортусс							
Bank Erosio	on: Length o	of Continuou	s Bare Soil (nea	rest 0.01 m) within	1 1 m of	stream	% of Erod	ed Bank	to the c	crest or within 5	m of stream edge		
	Left:				Left:		<i>②</i> (%) Right		<u> </u>				
Riparian La	nd Use: Per	cent (neares		within 5 m of strea	m edge	, along tra	ansect			Section	Fotal Müst=100%		
Cropland	. Pasture	Barnyard	Developed	. Meadow	Shrub	os W	oodland	Wetla	Wetland Exposed		Other - Specify:		
					-		50	50		٠,			
								·	1	L			

Riparian Buffer Width: Length (nearest 1.0 m) of Undisturbed Land Uses along transect, within 10 m of stream

Right 410 (m)

Left: <u>XV</u> (m)

Transect Data	- 1-10 To 50	1.00				(0,0)			7.		
Stream Name . Mullet				Waterbody ID Code			Date (MMDDYYYY) Transect				
Distance from Start (m) Stream				- 534(00) Bankfull Depth (m)			Sγ ½ > Bank	3 2014 12 ankfull Width (m) (optional			
306 14		Run ,5			(opining)			1>2			
	Deepest				Position (Fi	, and the last of	urrent	Stream Widi	:h)	(
	2,85 1/5		5.7	2/5		3/5 8 55		4/5 //,			
Water Depth (m)		.10			,υΥ		9	<u>ک</u>		131	
Depth of Fines and Water (m)		.10			12		~ C). Y		.36	
Embeddedness (nearest 10%) of Course Gravel and Rubble/Co	bble	90 80				. 80				20	
Percent (nearest 5%) of Stream Botto							17	Sec	tion To	tal Must = 100%	
Bedrock (solid slab)											
Boulder (261 mm - 4.1 m)	3								40		
Rubble / Cobble (65 - 260 mm)	` 、	10					10			30	
Gravel (2 - 64 mm)				20			40			20	
Sand (0.062 - 1.9 mm)		G		60			50)		10	
Silt (0.004 - 0.061 mm)		60		10							
Clay	·									· <u>-</u>	
Detritus		<u> </u>									
Other - Specify: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		30.		10							
Percent (nearest 10%) of Stream Bot	om Covered										
Algae (attached & fila.)		0		0			0		0		
Macrophytes	·	0		0		0		0			
Canopy / Shading (circle one)		20	• •		0			0			
Cover for Adult Gamefish: Length	(nearest 0.01 m)	of transect with	in 0.15	m upstr	eam or down	stream ir	wate	atleast 0.20) m in d	epth	
Undercut Overhanging Vegetation Woody Banks at least 0.20 m overhang Debris		Other Debris		Submerge Boulder Macrophy						Other - Specify:	
Dallie at 1840 (9.20 III o 1971)	35			Sounder Macrophy		<u>.</u>					
Bank Erosion: Length of Continuou	arest 0.01 m) within 1 m o		<u> </u>		led Bank	Bank to the crest or with			of stream edge		
Left: (m	(m)		Left:		t:	(%) Rigi			(%)		
Riparian Land Use: Percent (neares	1.000	ithin 5 m of stre	am edg	je, alon	g transect			Secti	on Tota	al Müst=100%	
Cropland . Pasture Barnyard	Developed .	Meadow	Shr	ubs	Woodland	Wetla	and	Exposed Ro		her - Specify:	
	·				50	.50	,				

Riparian Buffer Width: Length (nearest 1.0 m) of Undisturbed Land Uses along transect, within 10 m of stream

Left: $\frac{10}{10}$ (m) Right $\frac{10}{10}$ (m)