Wadable Stream Quantitative Habitat Evaluation

Form 3600-228 (R 6/07)

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Instructions: Bold fields must be completed. Record all measurements in metric units.

Station Summary Stream Name	cress Cr		4	Waterbody		SWIMS S		FH Database ID 72789	
Date (MMDDYYYY)	Station Name	· · · · · · · · · · · · · · · · · · ·		390	<i>o</i> 0	10008	18 +5	12101	
06292017		Water	cress	Rd.					
Latitude - Longitude D	etermination Me	thod Used			, .			Datum Use	ed
Start Latitude	Start Longitud	e E	nd Latitude	E	nd Longitude)	County	,	
43.7172	-88.130	29		the spine of the s			1	helouggam	
Water Characteristics			244 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			100			
· · · · · ·	Air Temperature (C	C) Wa	ter Temperat		Conductivity		דן	ransparency (cm)	•
1315				. The	4	12.1		85	
Dissolved Oxygen (mg/l)	8.22 reg	l Le	ed Oxygen %	8.1%		рН	7.34		
	Water Level (che					· 1	Water Clarity:	*.	
(from Flow Data sheet)	Normal [Below:	(n	n) DAbove	e:	(m)	Clear [Turbid 🔼 Sta	ined
Channel and Basin Ch	Carrier and the Contract of th				13.06				
Stroam Widths (m)		600	~~ ~ <i>f</i>	3.0	2-4	2-8	2-5	2.8 2.	5 3.
Mean Stream Width (m	1)		ect Spacing				Length (m)		di Servery Servery
3.0			<	Z'			(<u>() </u>	a24956
Channel Condition: (check one)	Natural [> 20-year-o Channeliza		10- to 20- Channeliz	year-old ation		0-year-old annelization	Concrete Ch	annel
Percent Channelization		7 /	Gradient		Stream	Order	Bas	in Area (km²)	
()	1.	56	0	.14		Commence	**	28.23	
(from Map Data Sheet)			٥			0			
Mean Distance (m)		nds:	0	Riffle				1 -	
Total (Sum) Length		fles:		Pools		<u> </u>	Runs:	100	
Mean Length (m) of			<i>></i>	Pools	·	<u>></u>	Runs		
Person(s) Who Collect	•	•	<i>a</i> /						
Sabre,	Helker,	COX							
Comments / Notes	Flow		ă.	Jop th	Flow			MEASIN	= wincoffee
ø .45	,36	4.4		1.3	.3		() () () () () () () () () ()		
.4 .5	. 29	4.8	}	1.3	0	0			
. 8 Ift	.34	5.7		1.35	. H	[
, 2 1.05	.20	5.60		1 Page	- Z	7			
1.0 1.15		6.0		1.0	· · · · · · · · · · · · · · · · · · ·	24			
2.0 1.2		6.24	the second second second	1.6		25			
.4 1.9		(9,8	and the second s			260	a.		
.8 1.2:		7.2	,	. 7		DS			
. 2		7.6	** * * * * **	. 44	(g				
.6		7.0		. 2					
.0	and the second of the second				· • '	00			

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Mary.	100		-	142.3
-		ш		

* 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		Waterbody ID Co	ode Date (MMDI	OYYYY) Stream Width (ft or m)
Distance from Left Bank (ft or m)	Depth (ft or m)	Velocity * (ft/sec or m/sec)	Cell Width (ft or m)	Product (Depth x Velocity x Cell Width)
•				
,				
			•	
	•			
·				
		,		
				ft³/sec

Flow = Σ Products = _____ m³/sec | If ft³/sec, then divide by 35.3 for m³/sec | Report Value to Station Summary _____ m³/sec |

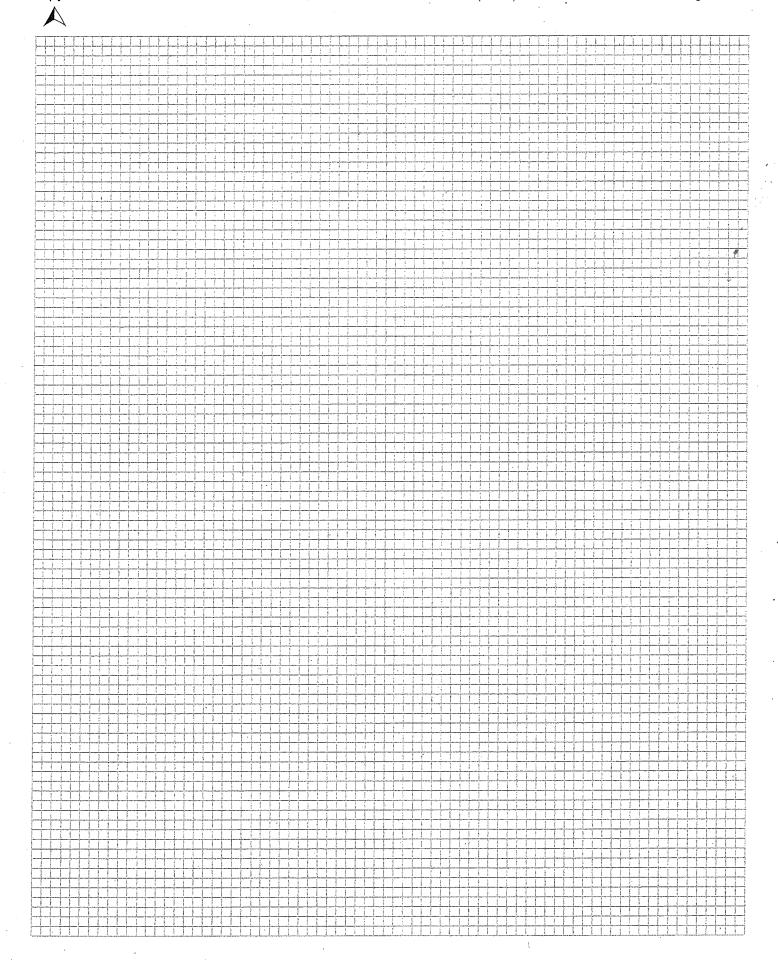
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Stream N	Control of the Contro		Waterbody I	D Code	Date (MMDDYYYY)	
,	Waterons Creen		39000	Ò	06292017	
Dist. from	Stream Feature		Distance	Summary		
Start (m)	ron Stot Station	Distance Between Be	nds (m)	Distance Between Riffles (m) Measurements from the Upstream end of one Riffle to the Downstrea		
a3m	transecit 1	Measured from Center			ext Riffle Upstream	
11m	transed #2	Downstream - 1st:		. Downstrean	n - 1st:	
19m	transet #3 bookerfield	1st - 2nd:	·	. 1st	- 2nd:	
28m	transpex #4	2nd - 3rd:		. 2nd	1 - 3rd:	
35m	Trunsed #5	3rd - 4th:		. 3rc	d - 4th:	
413m	transect #6	4th - 5th:		. 4th	n - 5th:	
SIM	transecu #7	5th - 6th:		. 5th	n - 6th:	
59m	trancea # 8	6th - 7th:		6th	n - 7th:	
(07m	transect 49	7th - 8th:		, * 7th	n - 8th:	
750	Mr. sect#10	8th - 9th:		8th	n - 9th:	
17/2	bend owner	9th - 10th:		9th	- 10th:	
83m	James HIII	10th - 11th:		10th -	- 11th:	
91m	transer HH12	11th - Upstream:		11th - Ups	tream:	
		Sum:	· · · · · · · · · · · · · · · · · · ·		Sum:	
		Mean:			Mean:	
	·	Length (m)	of Individual	Riffles, Poo	ls and Runs	
		1st Riffle:	1st Pool:	}	1st Run:	
		2nd Riffle:	2nd Pool:		2nd Run:	
		3rd Riffle:	3rd Pool:		3rd Run:	
		4th Riffle:	4th Pool:		4th Run:	
		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:		10th Run:	
		11th Riffle:	11th Pool:		11th Run:	
Draw man	of station on back of this sheet (optional)	J Sum:	Sum:		Sum:	
Diaw iliap	Or station on pack of this sheet (optional)	Mean:	Mean:		Mean:	

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Transect I											
Stream Na		sure and	an and		•		rbody ID				Y) Transect No
Distance 6		SCOW (<u> (C C / し</u> /idth (m) Hab	itat Tyne		222	19000 full Depth		06 29		/ / / Vidth (m) (optiona
Instance i) Stream W			ol 🔟 Run	Danki		(11) (optio 26	Jilai)		3, 2 .
			Deepest	Truine	<u> </u>	el Po		•	rrent Stream V		-
			Point	o5 1/5	1.	0 2	2/5	1.5	3/5	2	∆ 4/5
Water Dep	oth (m)		.64	· U		e 6	34.		280		. 57
Depth of F	ines and Wa	ater (m)		127		6 6 6	34		,55		156
	iness (neare Gravel and i		oble	10		1	9		40		90
基础设施的工作	arest 5%) of S		\$50,000,000,000			77.5			-5	ection	Total Must = 100
Bedrock (se	olid slab)										
Boulder (26	61 mm - 4.1 r	n)				10	 -()		25		10
Rubble / Co	obble (65 - 26	60 mm)		30		See			30		10
Gravel (2 -	64 mm)					3	0				10
Sand (0.06)	2 - 1.9 mm)		·	,			pres		20		20
Silt (0.004 -	0.061 mm)			70		S	,		Z ()		10
Clay									10		Luft
Detritus											40
Other - Spe	cify:	4							•		
Percent (nea	rest 10%) of S	Stream Botto	om Covered								
Algae (attac	ched & fila.)	·		Carrier and the Carrier and th		Vacces	ting .		and the second s		Waterstein,
Macrophyte	S .			(Little Market)		u gali≌	<u>ė</u> e		entrod strop		Name of the second
Canopy / Sh	nading (circl	e one)		80		7	-0		30		20
Cover for A	dult Gamefi	sh: Length (nearest 0.01 m)	of transect withi	n 0.15 m ups	tream	or downs	atream in	water at least C	.20 m ir	depth
Undercut Banks		ng Vegetation 0 m overhan		Other Debris	Boulde	ar.	Subme Macrop	-	Emergent Macr at least 0.20 r		Other - Specify:
	4()545(5.2	o m o voman		J J J J J J J J J J J J J J J J J J J		d		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		гиоор	
Bank Erosi	on: Length o	of Continuous	Bare Soil (near	est 0.01 m) withi	1 8	- rjagini	% of Erode	ed Bank	to the crest or v	vithin 5	m of stream edge
	Ľeft:	24(m)	Right	<u></u> (m)			Left		(%) Ri	ght:	<u>80 (%)</u>
Riparian La	14		10%) of Bank v	vithin 5 m of s trea	am edge, alo	ng tra	nsect		. : S	ction T	otal Must = 100%
Cropland	Pasture	Barnyard	Developed	Meadow	Shrubs	Wo	oodland	Wetlar	nd Exposed		Other - Specify:
			-		62			50			-
dinarian Bu	ffer Width	l ength (near	rest 1 0 m) of Ll	ndisturbed Land	Uses along	trans	ect within	10 m of	stream		

Left: +10 (m)

Right +() (m)

Transect D) Data										
Stream Na				-			terbody ID C	ode		(YYY) Trans	
		JUSC.		- 11 - 4 T		6	39000		06792		· <u>Q</u>
	rom Start (m	i) Stream \ 3. C	Width (m) Hal	Riffle Pool Kan			ikfull Depth (i		Bankfull Width (m)		
	a chara	002°, 5000						.,	it Stream Width		·
			Deepest Point	1.5		1.4	2/5	2.1	3/5	2.8 4/5	
Water Dep	oth (m)		,2,1	*31		•	. 28		D. C.	. 25	4
Depth of F	ines and Wa	ater (m)		. 34			20	,	2. S	l Care S	79
Embedded	iness (neare Gravel and	est 10%)	obble	50			51)	1	40	90)
15% (15)	arest 5%) of S								Sed	ion Total Mus	t = 100°
Bedrock (se	olid slab)										
	61 mm - 4.1 r	 n)				ا اف اختر)	30			26	
Rubble / Co	obble (65 - 26	60 mm)		20					D		
Gravel (2 -	64 mm)			20		· L	40		30	,	
Sand (0.06:	2 - 1.9 mm)		•	40		e E		E Const	×6	50	
Silt (0.004 -	- 0.061 mm)			2.0			10			30	
Clay				•							
Detritus											
Other - Spe	ecify:										
Percent (nea	erest 10%) of 5	Stream Bot	tom Covered								
Algae (attac	ched & fila.)	<u></u>		washing.			legenerories	B CCO B	Marie Control	CONTRACTOR	
Macrophyte	es			• Gazzelasson-		,	ANTERIO	\$ 4990	·	€2,000 Million Park	
Canopy / Sł	hading (circ	le one)	The second State of the second	Programa			0	esseries (Ca		20	
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 m	n) of transect with	in 0.15 m	upstrea	am or downst	ream in wa	er at least 0.20	m in depth	
Undercut Banks		ng Vegetati :0 m overha		Other Debris	Bo	ulder	Submer Macroph	- 1	ergent Macroph least 0,20 m de	-	Specify:
						15					
Bank Erosi	on: Length	of Continuo	ıs Bare Soil (nea	arest 0.01 m) with	1	, 407%s.	% of Erode	ed Bank to t	ne crest or with	in 5 m of strear	m edge
	Left:(<u>) (n</u>	1) Right: <u>(</u>	<u>(m)</u>			Left:		(%) Right:	<u> </u>	%)
Riparian La	nd Use: Per	cent (neares	st 10%) of Bank	within 5 m of stre	am edge,	along t	ransect		Secti	on Total Must	= 100%
Cropland	Pasture	Barnyard	l Developed	d Meadow	Shrub	s \	Woodland	Wetland	Exposed Ro	Other - Sp	pecify:
								100			
≀iparian Bu	ıffer Width:	Length (ne	arest 1.0 m) of	Undisturbed Land	d Uses al	ong tra	nsect, within	10 m of str	eam		

Transect Data Stream Name				Waterbody ID	Code	Date (MM DDY	YYY) Transect No.		
_ Dets cru				39000			02920W T3		
Distance from Start (m) Stream		_ `	_ 1 7.	Bankfull Depth	(m) (optiona	I) Bankfi	Ill Width (m) (optional)		
19m 5		Riffle Poo	- /	<u> </u>	Special Control of the Control of th	101 115 111	£3,41.		
	Deepest Point	\ 1/5	Chani	nel Position (Fift 2/5	ths of Currer	nt Stream Width) . 4 4/5		
Water Depth (m)	.27	.18	,		hardens.		, C4		
Depth of Fines and Water (m)		.22		,24		27	,24		
Embeddedness (nearest 10%) of Course Gravel and Rubble/C	obble	70		20		146	30		
Percent (nearest 5%) of Stream Bot	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					Secti	on Total Wust = 100%		
Bedrock (solid slab)				1	·				
Boulder (261 mm - 4.1 m)		10		80		60	103		
Rubble / Cobble (65 - 260 mm)						10	10		
Gravel (2 - 64 mm)		30		10		20	50		
Sand (0.062 - 1.9 mm)		25				10	30		
Silt (0.004 - 0.061 mm)	·	25		<u></u>					
Clay									
Detritus		. 10					· · · · · · · · · · · · · · · · · · ·		
Other - Specify:									
Percent (nearest 10%) of Stream Bot	tom Covered			•					
Algae (attached & fila.)		Consession.		grade and the second		Laboration of the Control of the Con	V ersioner		
Macrophytes		winds ⁽³⁾		Parameter and the Parameter an		€#####	visch(70000)		
Canopy / Shading (circle one)		30		500		10	30		
Cover for Adult Gamefish: Length	n (nearest 0.01 m	n) of transect withi	n D.15 m up	stream or downs	stream in wa	ter at least 0.20 i	m in depth		
Undercut Overhanging Vegetat Banks at least 0.20 m overha	, ,	Other Debris	Bould	Subme er Macrop	- (nergent Macrophy t least 0.20 m de			
			·/ 8	3					
Bank Erosion: Length of Continuo	us Bare Soil (nea	arest 0.01 m) withi	n 1 m of stre	eam % of Erod	ed Bank to t	he crest or within	n 5 m of stream edge		
Ľeřt:() (r	n) Right	<u>sS (m)</u>	va santana ika - Wasa	Left	<u> </u>	_(%) Right ,	/ 0(%)		
Riparian Land Use: Percent (neare	st 10%) of Bank	within 5 m of strea	am edge, ald	ong transect		Sectio	n Total Must = 100%		
Cropland Pasture Barnyard	Developed	Meadow	Shrubs	Woodland	Wetland	Exposed Roc	Other - Specify:		
					100				
Riparian Buffer Width: Length (ne	arest 1.0 m) of l	Undisturbed Land	Uses along	transect, withir	n 10 m of str	ream			
eft: <u> </u>	(m)		•	•					

Transect D	ata					4						
Stream Na					,	1	body ID (}	•		Y) Transect No.
	· LLX	<u> </u>	<i>でぬ</i> ♪ Width (m) Ha	1. 16 - 4 - T		1	39000				77016	
	om Start (m	Stream \	Width (m) Ha		ol 🔟 Run	Bankti	ull Depth		onai)	E		Midth (m) (optional)
	- 47	I A		」Riffle Poo		nel Pos	sition (Fift		rrent S	Stream \		2.8m.
			Deepest Point	S.S 1/5	J. J		2/5	T.		3/5	1	4/5
Water Dep	th (m)	•	.25	.25		e A é	24		10	2	1,000	018
Depth of F	ines and Wa	iter (m)		62)		. (ZS.		10			18
	ness (neare Gravel and I		nbble	90		<u> </u>	ŔĄ.		۷,	10		20
10.77	erest 5%) of S			I A Call			,			(*)26.552.5E	Section	Total Must = 100%
Bedrock (so	olid slab)								•			
Boulder (26	1 mm - 4.1 n	n)										
Rubble / Co	obble (65 - 26	80 mm)				3	0		10)		
Gravel (2 - (64 mm)			40		/	Bracher.		\$			50
Sand (0.062	2 - 1.9 mm)			36		·Z			4	0		<u> </u>
Silt (0.004 -	0.061 mm)			20		2	90					
Clay							······································					
Detritus	——————————————————————————————————————			10		10	<u></u>					
Other - Spe		.71 594	7 2 1 2 5 7 1 1 1						12-12 miles (17-17)	**************************************		
Percent (nea	rest 10%) of S	Stream Boti	tom Covered									
Algae (attac	hed & fila.)			Management		6 8000			t gg ₁₀ 239	us		Manage A
Macrophyte	S	· • • • • • • • • • • • • • • • • • • •		, was		***************************************	sod.		V arie	· ·		Controlled
Canopy / Sh	ading (circl	e one)		io		10			1			28
Cover for A	dult Gamefi	sh: Length	(nearest 0.01 m	n) of transect withi	ո 0.15 m սթ	stream	or downs	stream in	water	at least	0.20 m i	n depth
Undercut Banks	Overhangir at least 0.2	ng Vegetati 0 m overha		Other Debris	Bould	er	Subme Macrop	- 1		_	crophytes m deep	
		_							•			
Bank Erosid	on: Length o	of Continuou	ıs Bare Soil (ne	arest 0.01 m) with	in 1 m of stre	eam 9	% of Erod	ed Bank	to the	crest or	within 5	m of stream edge
	Left:	<u>)</u> (n	n) Right:	<u> </u>			Left	· 0	(0	%) I	Right:	<u> </u>
Riparian La				within 5 m of stre	am edge, ald	ong trai	4020000			CALCASA)		Fotal Must = 100%
Cropland	Pasture	Barnyard	Developed	d Meadow	Shrubs	Wo	oodland	Wetla	nd	Expose	d Rock	Other - Specify:
			23.5,550					100		- 7		
 Riparian Bu	ffer Width:	Length (ne	arest 1.0 m) of	Undisturbed Land	l Uses along	g trans	ect, withir	n 10 m o	f strea	am	·····	

Transect Data							J- 4 4000		
Stream Name		8 ⁴⁴ -			Waterbody ID 39000		'		Transect No
Distance from Start (m) S	CCS D	Cree	hitat Type:	Bankfull Depth		(%) 29		dth (m) (optiona	
36m	J.(ol 🕅 Run		19	141)		3 , 4 ·
	- w. 1	·			nel Position (Fif		ent Stream \\		<u> </u>
		Deepest Point	» lo 1/5	1.		1.8	3/5	2	4/5
Water Depth (m)		.36	,16		- 28 ·		, 36		132
Depth of Fines and Wate	r (m)		(28		, 3G		. 39		,41
Embeddedness (nearest of Course Gravel and Ru		oble	neithful a	į			100		The state of the s
Percent (nearest 5%) of Stre		化化物 化硫酸二酚 "你",感觉是"					19 - August 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	iection To	otal Must = 100'
Bedrock (solid slab)	·						•		
Boulder (261 mm - 4.1 m)	•								
Rubble / Cobble (65 - 260	mm)								
Gravel (2 - 64 mm)							Sales Contraction of the Contrac		
Sand (0.062 - 1.9 mm)			300	6	10		75		60
Silt (0.004 - 0.061 mm)			30		410		20		20
Clay			·						
Detritus			20		50				20
Other - Specify:			400 UKB O						
Percent (nearest 10%) of Stre	eam Botto	om Covered			-				
Algae (attached & fila.)			Section of the sectio		Nonempagnation.		Yessinan		+Signatura and a second
Macrophytes			water.		Novembergel		Market States		€@and@lefc@dd
Canopy / Shading (circle c	ne)		100		100		· S()		70
Cover for Adult Gamefish:	: Length (nearest 0.01 n	n) of transect withi	n 0.15 m up:	stream or down	stream in w	ater at least 0).20 m in d	epth .
Undercut Overhanging of the Banks at least 0.20 m			Other Debris	Bould	Subme er Macrop		mergent Macr at least 0.20 n	- F-1.51	Other - Specify:
Bank Erosion: Length of C	ontinuous	Bare Soil (ne	arest 0.01 m) withi	n 1 m of stre	am % of Erod	led Bank to	the crest or v	vithin 5 m	of stream edge
₫eft:	(m)	Right 🧘)(m)	n Augustin – municipalis	Lef	<u>. ()</u>	(%) Ri	ight(<u> </u>
iparian Land Use: Percen	t (nearest	10%) of Bank	within 5 m of strea	am edge, ald	ng transect		Se		al Wust = 100%
Cropland Pasture E	Barnyard	Developed	d Meadow	Shrubs	Woodland	Wetland	Exposed		ther - Specify:
		-				100			
iparian Buffer Width: Ler		rest 1.0 m) of	Undisturbed Land	Uses along	transect, withi	n 10 m of s	tream		
eft: 10 (m) Right	NO.	(m)			•			•	

Transect D	Data		ndesig vesices Cussiqui Lucia				31		
Stream Na		de ville	ñ			Waterbody ID) Code	1 '	YYY) Transect No.
Distance for	· () () () ()) (10		nitat Typa:		39000 Bankfull Depti	n (m) (antions	06 29 201	Il Width (m) (optional)
Distance II	rom Start (m)	Stream W	. 1	ــــــــــــــــــــــــــــــــــــــ	ol 🕅 Run	Бапкійіі Беріі		ii) pankiu	ii vvidin (m) (optional) G (()
* 1			Deepest	,	# ·	el Position (F	ifths of Curre	nt Stream Width)	16
			Point	A 1/5		PC 2/5	1,44	3/5	1,9 24/5
Water Dep	th (m)		.41	.36		,41	y	39	some of
Depth of F	ines and Wate	er (m)		.41		44	,	40	,40
	lness (neares Gravel and Ri		oble	40		100		30	90
	arest 5%) of Str		14.85 (1.15)						on Total Wust = 100%
Bedrock (so	olid slab)					is for addition holder speci			
Boulder (26	61 mm - 4.1 m)								
Rubble / Co	obble (65 - 260	mm)		graditale.		10		10	
Gravel (2 - 64 mm)				. 50		410		40	16
Sand (0.062 - 1.9 mm)		30		20	ge ⁴	40	30		
Silt (0.004 - 0.061 mm)			10		20		10	100	
Clay				-					
Detritus	·			10_		1 ()			
Other - Spe	cify:								
Percent (nea	rest 10%) of St	ream Botto	om Covered						
Algae (attac	ched & fila.)			**aunos/citiglisi*		*Commontor mys		V	Manage de constitue de la cons
Macrophyte	S			, bases shows		N-constraints		entransis .	Halifornical
Canopy / Sh	nading (circle	one)		10		0			10
Cover for A	dult Gamefisł	ı: Length (nearest 0.01 m) of transect withi	п 0.15 m ups	stream or dow	nstream in wa	iter at least 0.20 π	in depth
Undercut Banks	Overhanging at least 0.20			Other Debris	Boulde	I		nergent Macrophyt	
*************************************							,		
Bank Erosio	on: Length of	Continuous	Bare Soil (nea	rest 0.01 m) with	in 1 m of stre	am % of Ero	ded Bank to	the crest or within	5 m of stream edge
	Left:	<u>(m)</u>	Right:	<u>(m)</u>		Le	eft:	(%) Right: _	(%)
Riparian La	nd Use: Perce	nt (nearest	10%) of Bank	within 5 m of stre	am edge, ald	ng transect		Section	i Total Must = 100%
Cropland	Pasture	Barnyard	Developed	Meadow	Shrubs	Woodland	Wetland	Exposed Rock	Other - Specify:
		· · ·					100	<u>-</u>	
 ≀iparian Bu	ffer Width: Le	ength (nea	rest 1.0 m) of l	Indisturbed Land	Uses along	transect, with	nin 10 m of st	ream	

Form	3600-228	(R	6/07	١

Stream Nar	1	tu cou	w Cr.	e la ta		Waterbody ID	Code	Date (MMD ひして ^の		Transect N
Distance fr	om Start (m			abitat Type:		Bankfull Depth	(m) (optiona	1712		th (m) (option
	olm	2.		Riffle Poo	ol 🏻 Run		20		Ð.	8m
			Deepest		Chanr	nel Position (Fif				
,			Point	,SS 1/5	1.	2/5	1.6	<u></u>	2,2	4/5
Water Dept	th (m)		.18	210		617.		210		a 17
Depth of Fi	nes and Wa	iter (m)		1,20		*		118		118
	ness (neare Gravel and F		abble .	50		90		10		40
	rest 5%) of Si							S	ection To	al Must=10
Bedrock (so	olid slab)		•				·	,		
Boulder (26	1 mm - 4.1 п	n)				10		10.		20
	bble (65 - 26			30		400) SC	~			
Gravel (2 - 6	64 mm)	a						210		40
Sand (0.062	: ! - 1.9 mm)			20		BS.		30		20
Silt (0.004 -	0.061 mm)			20		10				
Clay				·						
Detritus								,		
Other - Spec				wood		Ormad	Valing !	7.5	. 10	y chasis
Percent (near	rest 10%) of S	Stream Bott	tom Covered							
Algae (attacl	hed & fila.)			tree of		Constantifolico		post of the con-		Contragation of the State of th
Macrophytes	,			10004				entrance .	-	And the first
	ading (circle		,	m) of transect withi		100		90		8,0
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	Ľeft:	<u>O(m</u>	1000	(m)		Left			ght((%)
liparian Lar	nd Use: Perd	cent (neares	st 10%) of Bank	within 5 m of stre	am edge, ald	ong transect		Se		 Must = 100 her - Specify:
Cropland	Pasture	Barnyard	Develope	d Meadow	Shrubs	Woodland	Wetland	Exposed		
			1 '	1 1		1	100	1		

Transect D	ata											u.	
Stream Na					•		rbody ID C	ode		•		'	Transect No
<u> </u>		245 W		that Trees		-	39000 full Depth (r	\ /tie		00 T	29701	7	T. S.
Distance tr	om Start (m	2.5	Vidth (m) Hat				iuii Depin (i * \		наі)		Banktull		n (m) (optional)) , 🌄 .
	¥\			Riffle Poo		l nel Po	sition (Fifth		rrent S	Stream	(Width)	₩.	(% .
			Deepest Point	§\$ 1/5	١.		2/5	1.5		3/5		,0	4/5
Water Dep	th (m)		. 22	,20		Į.	l,		2°	2			120
Depth of F	ines and Wa	ter (m)		182		e	24		2	G.			,20
	ness (neare Gravel and F		bble	**************************************					5	O			Luf()
\$ 1.00 m	arest 5%) of S		100000000000000000000000000000000000000						GIP		Section	Tota	Must = 100%
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Boulder (26	1 mm - 4.1 m	n)											
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Gravel (2 - 6	64 mm)								2	<u>O</u>			50
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Silt (0.004 -	0.061 mm)			50		6	<u> </u>		(°				10
Clay				,									
Detritus				20		e41	0		?	<u> </u>			
Other - Spe	cify:			eng ika walipada ni malawa a m	a i a pas kon dagyi sa yasa i	SASSES (**)	i ki minazortzi takonik	Signature and the second	sylen military y y y y y	at en tre einste (ste l		state to the state of the state	
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Macrophyte	s			n negative del Paris		Flociet	on the second	10	(D24)	<u> </u>			essistantian (net of the control of
Canopy / Sh	ading (circle	e one)		80		2	0		\Diamond	1		Wistonia volus	10
Cover for A	dult Gamefis	sh: Length	(nearest 0.01 m) of transect with	in 0.15 m up	strean	n or downst	ream in	water	at leas	t 0.20 m	in dep	th 🗓
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Damo	at loadt 0.2.	o in overnar	igi Debilio	Dobilo	Boule		Widelopi	19100		401 0.2.	o in deep		
Bank Erosid	on: Length o	of Continuous	Bare Soil (nea	rest 0.01 m) with	in 1 m of str	eam	% of Erode	d Bank	to the	crest c	or within 5	m of	stream edge
	Left:	<u> </u>) Right:	(m)			Left:) (0	%)	Right:	0	(%)
Riparian La	The State of the S	Approximation :	Q0243 - PL - H03H636g 1	within 5 m of stre	am edge, al	ong tra		- Alloy(Ex	+ 3			[otal	Must = 100%
Cropland	Pasture	Barnyard	Developed	Meadow	Shrubs	///	loodland	Wetla	nd		ed Rock		er - Specify:
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Riparian Bu	ffer Width:	Length (nea	• •	Indisturbed Land	d Uses alon	g trans	sect, within		f strea	ım			

tream Name			•	Waterbody ID	Code	- (KALADDINA	VV
1 Northwest a set a.	. Nor			Waterbody ID ろりつむ		te (MMDDYY) o?く?ひ*	YY) Transect I
しんしけら (パム) Distance from Start (m) Stream V			· · · · · · · · · · · · · · · · · · ·	Bankfull Depth			Width (m) (option
	3 28 [ol 🕅 Run		/ m	Samai) OL
	Deepest	Transce Late		nel Position (Fif	fths of Current S	tream Width)	_ <i>O</i> :_/
	Point	155 1/5	11	2/5	1.65 3/		4/5
Vater Depth (m)	.16	elle		iu.	016	9	.14
epth of Fines and Water (m)		170		:14	()		. 15
mbeddedness (nearest 10%) f Course Gravel and Rubble/Co	obble	50		2 D	40		30
ercent (nearest 5%) of Stream Botte	1.30,637.7					Section	Total Wust=10
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ubble / Cobble (65 - 260 mm)		30					
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and (0.062 - 1.9 mm)		30		20	50		40
lt (0.004 - 0.061 mm)		26		40	·		
ay							
etritus		/0		10			
her - Specify:			4.443000 - 1.11 - 1.12 -				
rcent (nearest 10%) of Stream Bott	om Covered			•			
gae (attached & fila.)				Grander	· publication of	çoa.	enemanish (P
acrophytes		New York Conference N		Band California (III)	**************************************		etanomis)
nopy / Shading (circle one)		50		10	10		Ò
ver for Adult Gamefish: Length	(nearest 0.01 m) of transect withi	n 0.15 m ups	tream or downs	stream in water a	it least 0:20 m i	n depth
Undercut Overhanging Vegetation Banks at least 0.20 m overhang		Other Debris	Boulde	Subme Macrop	-	ent Macrophytes st 0.20 m deep	S Other - Specif
	·				•		
nk Erosion: Length of Continuou	s Bare Soil (nea	rest 0.01 m) withi	in 1 m of stre	am % of Erod	ed Bank to the c	rest or within 5	m of stream edg
Ľeřt: (m) Right:(<u>) (m)</u>		Left	:(%) Right	(%)
parian Land Use: Percent (neares	t 10%) of Bank v	within 5 m of strea	am edge, alo	ng transect		Section 1	Fotal Must = 100
ropland Pasture Barnyard	Developed	Meadow	Shrubs	Woodland	Wetland E	xposed Rock	Other - Specify:
					100		
							

Distance from Start (m) Stream Width (m) stabilat Type: Bankfull Depth (m) (optional) Bankfull Width (m) (c Riffe Pool Run Position (Fifths of Current Stream Width) Riffe Pool Run Position (Fifths of Current Stream Width) Riffe Pool Run Position (Fifths of Current Stream Width) Riffe Pool Run Position (Fifths of Current Stream Width) Run Ru	Transect Data								
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Point	6.7		L	_RifflePoc					
Water Depth (m) .31 .29 .29 .31 .29 .31 .29 .31 .29 .31 .29 .31 .32 .33 .33 .33 .33 .33 .33 .33 .33 .33			•	Ca 1/5	Chani				
Depth of Fines and Water (m) Embeddedness (nearest 10%) of Course Gravel and Rubble/Cobble Percent (nearest 5%) of Stream Bottom Covered Bedrock (solid slab) Boulder (261 mm - 4.1 m) Rubble / Cobble (65 - 260 mm) Gravel (2 - 64 mm) Sand (0.062 - 1.9 mm) Sand (0.062 - 1.9 mm) Solit (0.004 - 0.061 mm) Clay Detritus					- !	215 () A			
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Represent (nearest 5%) of Stream Bottom Covered Section Total Minist Other - Specify: Left: (%) Right: 30 (%) Section Total Minist Other - Specify: Section Total Minist S	•		pholo	100		and the same of th		1/5/5	All and the state of the state
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Detritus Detrit	Sand (0.062 - 1.9 mi	m)		Complete Section					
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Other - Specify:	Clay								
Pother - Specify:	Detritus			20		30	10	.)	20
Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Over for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in depth Undercut Overhanging Vegetation Banks at least 0.20 m overhang Debris Debris Boulder Macrophytes at least 0.20 m deep Ank Erosion: Length of Continuous Bare Soil (nearest 0.01 m) within 1 m of stream % of Eroded Bank to the crest or within 5 m of stream Left: (m) Right: 3 (m) Left: (%) Right: (%) Right: (%) Proposed Rock (%) Continuous Bare Soil (%) Proposed Rock (%) Continuous Bare Soil (%) Proposed Rock (%) Right: (%) Right: (%) Proposed Rock (%) P					du		20,	mod V	10 0000
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iparian Land Use: Percent (nearest 10%) of Bank within 5 m of stream edge, along transect Section Total Must - Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Sp	. Lef	t:(m	n) Right:	3 (m)		Lefi	t: <u> </u>	. (%) Right _	7 (%)
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Distance From Start (m) Stream Width (m) Habitat Type: Bandfull Double (m) (cotional) Bandfull Width (m) (cotional) Band	Stream Name	1 1 - 1			Waterbody ID				7 Transect No
Riffs	Distance from Start (m) Stream	<u>/ (()</u> Width (m) Hab	itat Type:		F250 6.				
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Point 15 1,2 25 8 36 2,44 45		Deepest		Chanr	nel Position (Fi	fths of Curr	ent Stream W	/idth)	-
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Embeddedness (nearest 10%) of Course Gravel and Rubble/Cobble Percent (nearest 5%) of Stream Bottom Covered Bedrock (solid slab) Boulder (261 mm - 4.1 m) Rubble / Cobble (65 - 260 mm) Gravel (2 - 64 mm) Sand (0.062 - 1.9 mm) Sit (0.004 - 0.081 mm) Clay Detritus Other - Specify: Percent (nearest 10%) of Stream Bottom Covered Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Coverhanding Verylanding Vegetation (woody Bank within 5 m of stream edge, along transect Employ and Coverhand Exposed Rock Sit (0.004 - 0.081 mm) Character (nearest 10%) of Enrique Bank to the crest or within 5 m of stream edge, along transect Sit (0.004 - 0.081 mm) Coverhanding Vegetation (woody Other Boulder Macrophytes at least 0.20 m deep other - Specify: Copland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Specify: Copland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Specify:	Water Depth (m)	025	418		.22 -		125		1 Confe
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Bedrock (solid slab) Boulder (261 mm - 4.1 m) Rubble / Cobble (65 - 260 mm) Gravel (2 - 64 mm) Sand (0.062 - 1.9 mm) Silt (0.004 - 0.061 mm) Clay Detritus Detritus Other - Specify: Percent (nearest 10%) of Stream Bottom Covered Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Undercut Undercut Overhanging Vegetation Banks at least 0.20 m overhang Debris Debris Debris Boulder Woody Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Woody Algae (attached & fila.) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) within 1 m of stream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) within 1 m of stream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) within 1 m of stream Woody Cover for Adult Gamefish: Length (nearest 0.01 m) within 1 m of stream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) within 1 m of stream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in death Cover for Adult Gamefish:		bble	National State Sta				Volumetralization 2		Programme Alle
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Other - Specify: Percent (nearest 10%) of Stream Bottom Covered Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in depth Undercut Banks Overhanging Vegetation at least 0.20 m overhang Debris Debris Boulder Submerged Emergent Macrophytes at least 0.20 m deep Other - Specify: Bank Erosion: Length of Continuous Bare Soil (nearest 0.01 m) within 1 m of stream % of Eroded Bank to the crest or within 5 m of stream edge Left: (%) Right: (%) (%) (%) Right: (%) (%)	Silt (0.004 - 0.061 mm)		(00		40	10)		20
Other - Specify: Percent (nearest 10%) of Stream Bottom Covered Algae (attached & fila.) Macrophytes Canopy / Shading (circle one) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in depth Undercut Banks at least 0.20 m overhang Debris Debris Boulder Submerged Macrophytes at least 0.20 m deep Canopy / Shading (circle one) Cover for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in depth Undercut Banks at least 0.20 m overhang Debris Debris Boulder Submerged Macrophytes at least 0.20 m deep Cover for Adult Camefish: Length (nearest 0.01 m) within 1 m of stream % of Eroded Bank to the crest or within 5 m of stream edge % of Eroded Bank to the crest or within 5 m o	Clay		•						
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Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Over for Adult Gamefish: Length (nearest 0.01 m) of transect within 0.15 m upstream or downstream in water at least 0.20 m in depth Submerged Emergent Macrophytes at least 0.20 m deep Emergent Macrophytes at least 0.20 m deep Other - Specify: Boulder Macrophytes at least 0.20 m deep Woodland Wetland Exposed Rock Other - Specify: Section Total Must = 100% Other - Specify: Section Total Must = 100%	Macrophytes		₩ _{angerre} est		Market Dear	19			Self-redelige.
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Banks at least 0.20 m overhang Debris Debris Boulder Macrophytes at least 0.20 m deep Bank Erosion: Length of Continuous Bare Soil (nearest 0.01 m) within 1 m of stream % of Eroded Bank to the crest or within 5 m of stream edge Left:	over for Adult Gamefish: Length	(nearest 0.01 m)	of transect with	in D.15 m ups	itream or down:	stream in w	ater at least 0	20 m in c	lepth
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Left: (m) Right (m) Left: (%) Right (%) liparian Land Use: Percent (nearest 10%) of Bank within 5 m of stream edge, along transect Section Total Must = 100% Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Specify:		·		,	•				. "
Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Specify:	Bank Erosion: Length of Continuou	s Bare Soil (near	est 0.01 m) with	in 1 m of stre	am % of Erod	led Bank to	the crest or w	rithin 5 m	of stream edge
Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock Other - Specify:	Ľeft: (m) Right <u></u>	(m)		Left	<u>. O</u>	(%) Rig	ght	<u>(%)</u>
Cropland Pasture Barnyard Developed Meadow Shrubs Woodland Wetland Exposed Rock	iparian Land Use: Percent (neares	: 10%) of Bank w	ithin 5 m of stre	am edge, alo	ng transect		Sec	ction To	al Wust = 100%
	Cropland Pasture Barnyard	Developed	Meadow	Shrubs	Woodland	Wetland	Exposed I	Rock C	ther - Specify:
iparian Buffer Width: Length (pearest 1.0 m) of Undisturbed Land Uses along transact, within 10 m of stream		-				100			
	inarian Buffer Width: Length /noc	rest 1 0 m) of 1 le	ndicturbed Land	I loop alone	transact within	n 10 m -f -	troom		

Transect D Stream Na	me	But the said	. n. m. A	a .	·	Waterbody ID		1 '	DDYYYY) Transect N
Distance fr	om Start (m)	UStroom M	UV) [[(e)] Ha	bitat Type		Bankfull Depth			Ankfull Width (m) (options
	om start (m) M	3.	3		ol 🔟 Run	•	(⁽)		3, 7.
	f. 1		Deepest		W .	nel Position (Fi	fths of Curre	ent Stream W	Variation 1
			Point	.60 1/5	1.	3 2 2/5	1.98	3/5	2.64 4/5
Water Dep	th (m)		.27	.07		93	/	24	24
Depth of Fi	nes and Wa	ter (m)		, 29		122		28	126
	ness (neares Gravel and R		oble	100		100			**Control of the control of the cont
ercent (nea	rest 5%) of St	ream Botto	m Covered					s	ection Total Must = 100
Bedrock (sc	olid slab)							· <u>·</u>	
Boulder (26	1 mm - 4.1 m	n)				10		30	10
Rubble / Co	bble (65 - 26	0 mm)		10					
Gravel (2 - 6	64 mm)			20		10			
Sand (0.062	? - 1.9 mm)			AAC		60		20	50
6ilt (0.004 -	0.061 mm)			20		20		30	20
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etritus				10				20	10
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anopy / Sh	ading (circle	e one)		80		2D		60	60
over for A	dult Gamefis	h: Length (nearest 0.01 r	n) of transect with	in 0.15 m up:	stream or dowr	istream in wa	ater at least 0	.20 m in depth .
Undercut Banks	Overhangin at least 0.20			Other Debris	Bould			mergent Macr at least 0.20 п	
	-				35	-			
ank Erosio	n: Length of	f Continuous	Bare Soil (ne	arest 0.01 m) with	.9	am % of Ero	ded Bank to	the crest or w	vithin 5 m of stream edge
	Left:	<u>(m</u>)	Right:	<u>O</u> (m)		Le	ft:	_ (%) Ri	ght: <u>(</u> %)
parian Lar	nd Use: Perc	ent (nearest	: 10%) of Bank	within 5 m of stre	am edge, ald	ng transect		Se	ction Total Must = 100
Cropland	Pasture	Barnyard	Develope	d Meadow	Shrubs	Woodland	Wetland	Exposed	Other - Specify:
		·					(LX)		