TMDL Final Visit Form

STREAM	VERIF	CATION	 >>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	∍ R	eviewers	Initials				•
Stream Na	ame (w	ith locati	ion)											
AN-Code			-			Date		Time	е	(Эео		Bio	
Basin					County				Quad			•		
GPS Type				EPE			XY's Prod	ofed					Ву	
Field Lat 2	X-site					N	Field Lon X-s	site						W
Corrected	d Lat					N	Corrected L	on						W
Sampled	□ NO Wily! □ Too Deep (□ Permanent-Not Wadeable / □ Temporary) □ Dry □ Filled □ Impounded □ Other:													
		Fecal □ (ohosphate				id Rain [☐ TDS Ions ☐ Se	dimen	itation □	Nutrient	S			
Duplicate T	Гуре	None □				Duplio	cate WQ ID			Was s	ite m	oved?	□ Yes	□No
Explanation Directions		e												
indicate lat	and lon	g site wit	th (X). [Draw the	sketch with	a coarse	h with (†), indica resolution to giv SITE HAS CHAN	e an c	verall ide	a of the	sam	ple area		
Notes									<u>:</u>	Single Sample	NQ ID			

Reviewers Initials ACTIVITIES AND DISTURBANCES >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>								·>>>>>													
Local	Waters	shed Eros	ion		□ None □ Slight □ Moderate			□H	leavy												
Recei	Recent Stream Scouring			□ None	None □ Slight □ Moderate						☐ Heavy										
Atmos	pheric	Odors (R	ate 0-4	or NR)		Odor I	Descrip	otion					•								
Local NPS Pollution ☐ None ☐ Potential ☐ Obvious ☐ If obvious, magnitude? ☐ Slight ☐ Moderate									rate □ Heavy												
Specify Obvious or Potential NPS (feedlot, etc.) other than Siltation/Sedimentation!																					
Point	Source	Discharg	es 🗆	Yes □ l	No Pt. S	Source(s	s)														
	Stream	n Reach A	ctivities	s & Dist	urbances	(Rate 1	-Low, 2	-Moderate,	3-High,	4-Extre	me In Each	Box Th	at Applies)								
-	Residen			ecreation			Agricult			Indust			Management								
	Res	idences		Parks/ Campground				ual Row Crops		Indus	trial Plants		Liming								
	L	awns			ing Lots		P	asture		Surf	ace Mine		Rip/Rap - Bank Stabilization								
	Pow	er Lines			Access/ Dock		Hay F	Production		De	ep Mine		Dredging								
	Cons	struction		Swi	imming		Or	chards		Co	al Prep		Channelized								
	Pipe	s/Drains		Fi	shing		Р	oultry		Qı	uarries		Fill								
	Bridge	s/Culverts		Pipe	s/Drains		Livesto	ock Access		Ra	ailroad		Dams/Impounded								
Width	Surf Type	Road Intensity			ot Trails		Irr	igation		Logging		Logging		Logging		Logging			purpose State or unty Maintained Roads		
					lorse, Bike rails		Pipe	es/Drains		Power Lines		Power Lines		Power Lines		Power Lines		Power Lines			Width
	s for Wi face Ty	idth and pe are		Bridge	s/Culverts	verts Bridges/Culverts Woodyards/ Sawmills				•		A=Single Lane									
	Displayed on the Right Under Multipurpose Width			Surf Type	Road Intensity	Width	Surf Type	Road Intensity		Sanitary Landfill			B=Double Lane								
	te or Contained										ste H2O eatment		C=Multi-Lane								
Site Activities & Disturbances Notes: Elaborate on any of the Stream Reach Activities checked above and Drinking H2O Treatment										Surface Type											
to the	right.	Which of								Pipe	es/Drains		A=Dirt								
stream	1?									Park	king Lots	B=Rutted Dirt									
										Bridge	es/Culverts	C=Applied Limestone									
										Gas	/Oil Well	D=Applied Non- Limestone									
										Gas/	Oil Lines		E=Asphalt								
									Width	Surf Type	Road Intensity		F=Concrete								
													Road Intensity								
If kno forest or aba pollut	wn, w ed, ag andon ion?	riculture ed, deep Are there	predo , minin or strip point	minan g, logo o, valle source	t land use ging, hou ey fills, et es above	e(s) in t ises, ur c. Wha the rea	ban? I at is th ch? Ii	ream's dr f mining p e predom ndicate if BOX BLA	oresen inant I you us	t, is it NPS	active	Road N	lotes:								

SEDIMEN	<i>T</i> >>>>>>>>	×>>>>>>>>>>	>>>>>>>>>>>	>>>>>>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	×>>>>>>>	>>>>> Reviewers Initials					
AN-Code						Date						
Se	diment Odo	rs	Sediment	"Oils"		Sed	iment Deposits					
Norm	al		Abse	ent	Overall Silt		Relic Shells					
Sewa	Sewage (Not Septic) Slight			nt	Overall Sand	d	Marl (See Note at Left)					
Petro	leum		Mode	erate	Overall Fine	Gravel	Limestone Chunks or Fines					
Chem	ical		Profu	ıse	Coal Chunks	s and Fines	Paper Fiber					
Anaer	obic (Seption	c)			Red Dog		Sludge					
Other	:	·		-	1(0		Probable Source:					
			Rate Sec		Iron (Orange	Hydroxide)					
			Deposits:		Aluminum (\	White	Probable Source:					
			1-Low, 2-M 3-High, 4-E		Hydroxide)		☐ Mining ☐ Natural ☐ Other					
Note: Ma	rl (crumbly,	gravish.	NR-Not		Manganese	(Black	Probable Source:					
	t) *** Potom			3.00	Hydroxide)	•	☐ Mining ☐ Natural ☐ Other					
Di	rains Only**	**			Other:		-					
Sediment Not	es & Comme	ents (Describe	other or inten	sity):	•							
	Substrato	Particle Laye	or Profile		Substrate Particle Codes and Descriptions							
			Sand & Silt	1								
Location ¹	Habitat Type ²	Substrate Particle ³	Thickness in cm ⁴	Тор	Substrate Particles	Particle Codes	Size Class					
					Bedrock	BR	Smooth surface rock/hardpan (>4000 mm – bigger than a car)					
Special Inst 1) The locat middle, or re	ion (left,				Boulder	BL	Basketball to car (>250-4000 mm)					
be kept con each conse if possible (cutive visit				Cobble	СВ	Tennis ball to basketball (>64-250 mm)					
Flows). 2) Sample ri				Bottom Box	Coarse Gravel	CG	Marble to tennis ball (>16-64 mm)					
if available. R M L RDB LDB					Fine Gravel	FG	Ladybug to marble (>2-16 mm)					
		article Type/	Sita Charact	orizotion	Sand	SA	Gritty – up to ladybug (>0.06-2 mm)					
	Substrate P	article Type/	one Charact	ETIZATION	Silt & Fines	ST	Fine – not gritty (<0.06 mm)					
Dominan Substrate Particle	e Pe	stimated ercent of Dom ⁶	*Determine	al area of	Clay	CL	Slick/ hard clay or hard-pan clay					
			the X-site of collection		Metal Hydroxide	МН	Any Metal Hydroxide Deposits (Use only in the Substrate Layer Profile)					

^{1.} Location (left, middle, right) along a transect across the stream at the X-site. 2. Habitat type (riffle, run, pool). 3. Substrate Particle (use Particle Codes) is determined by removing one particle at a time (documenting each as a separate layer) starting from the uppermost layer and working down to the bottom. Only one layer profile is required per visit. 4. The thickness in cm of the sand & silt layers present in the profile. <u>DO NOT LABEL TWO CONSECUTIVE LAYERS OF SAND OR SILT (e.g., 1-Sand, 2-Sand or 1-Silt, 2-Silt)!!!!!</u> 5. Dom Substrate/Substrate Particle (use Particle Codes) encompasses the general area around the X-site and sample collection area. 6. Estimated percent of Dominant Substrate Particle encompasses the general area around the X-site and sample collection area.

Re	viewers I	nitials	F	IELD W	4 <i>TER</i>	R & FLO	W≫≫≳	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	≥≥≥	×>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	≥≥≥≥	≥≥≥≥	>>>>	,>>>>
			Stream Deb	oris (0=No	one, 1	=Low, 2=	=Mod	erate, 3=H	eavy	y, 4=E	xtreme, N	R-Not	Rated)				
	oo Turbid/	•	o Determine ermine					Dead Fish			Other						
□ Too Deep to Determine						Garbage											
□ Surface Frozen=Cannot Determine						G	as Bubble	es		Notes							
	riphyton			ous Alga	е			Ice Cover									
Peri	iphyton/Al	gae N	otes:					Oil-Grease	•								
								Sewage									
								Sludge									
	Sample ocation		id-Stream □ Bar eft Channel □ Ri	•		• ,		• .		Mid [Right)		WO		ີ Sinຸ ີ Oth	_	Profile
So	nde Metho		Grab ☐ Sampl				Secur	Lab Wa		Metho	d	ab 🗆 S	Sample				
	Physico	chemi	cal Parameters	Seaso				1			- 1 - 0		- Julia				
Flag	(for a <u>S</u>		Water Quality nple)		Level		W	ater Odors	•		Surface	"Oils"	s" Turbidity			y	
			Temperature °C	1 -	Below Norma			Normal			None				Cle	ar	
			pH (std. Units)		Norma			Sewage (N Septic)	Not		Flecks		Sheen		Sli	ghtly Tu	ırbid
			Dissolved Oxygen (mg/L)		Above Norma			Petroleum	n		Globs Slick				Moderately Turbid		
			Conductivity (µmhos/cm)	ı	loodi	ng		Chemical		Wate	r Notes:				_	jhly Tui	rbid
	Sonde	I.D. #:		Foam (Non-Soa		Suds (Soap)		Anaerobio (septic)	C					Wat	er cold	or:	
If any problems occur with the Water								Other:									
Meter or any readings are suspect, record notes in the space to the right.					0-4 o	r NR											
ABOVE: Record readings in box for corresponding physicochemical parameter. Insert a √ in the box for other categories.									ies.								
								tatus and	Hist	tory							
	rent					ast 24 Ho	n)						ajor Ra in past	week	?		s 🗆 No
			nined recently, whi d? If the runoff co										ne strear	m at th	he site	when	water
N/A		< 1 Hour	1 to 4 Hours	4 to	12	12	to 24 ours	11	to 2 ays		2 to 4 Days		4 to 7 Days		Ur	know	n
Is th			n the process of						ays_	B	aseflow		☐ Ri:	sing			Falling
			nd Precipitation														<u> </u>
	FLOW			lf ı	ısina	ı an ΩT٦	MF	Pro mete	r. th	en re	cord infe	ormati	ion her	re.			
INF	ORMATI	ON	If using a Mar												Арр	endix	sheet.
			ow was schedu ndicate if one o					□ Instru	□ [men		□ Low F ure □ F	low rozen/	□ Too /Ice □		/Too fety		ıbstrate
Pro	ofile			Measu									Meter			ow	
F	ine iile			Tim	e					low ethod			l-Bucke		_	eter D	
	ome Oo you thi	ink th	at this flow			If not	com	parable, V	Vhv	?	☐ Ga Final I		Estin	nate	•		
me	asureme		comparable?	□Yes [□No			e Below)			Reading			•			
Flov	w Notes:									_							_
Ī																	

TMDL RBP PARA	AMETERS >>>>	>>>>>>	>>>>>	>>>>>	>>>>>	>>>>>	>>>>>	>>>>	> R	Reviewe	rs Initials	s
AN-Code			·						Date			•
2. EMBEDDED- NESS	Gravel, cobble ar particles are betw 25% surrounded sediment; layerir provides a diversi	veen 0 and by fine ng of cobble	particles a 50% surro sedimen	ounded by t.	en 25 and	particle 75% su sedime		ween 50 I by fine	and	particle surrour	s are ove ided by fir	nd boulder r 75% ne sediment.
	space. NOTE: Clean Be	drock is not			to con						19	
	considered emb										_	
SCORE:	20 19 18	17 16		14 13	12 11	10		8 7	6	5 4	3 2	1 0
☐ Too Turbid/Dec	,, •										nnot De	
5. SEDIMENT DEPOSITION	Little or no enlar island or point ba than 5% of the braffected by sedim deposition.	rs and less ottom is	formation sand, or 30% of th slight dep	fine sedir ne bottom position in	om gravel, nent; 5 to is affected; pools.	gravel on old of botto deposition constri- modera	ate depose, sand or and new om is affects at obstructions, an ate deposent.	fine sectors; 3 cted; secretions, d bends ition in p	diment 0-50% diment ; pools	materia develop of botto frequer due to s deposit	m is chan itly; pools substantia	ed bar ore than 50%
SCORE:	20 19 18	17 16	15	14 13	12 11	10	9	8 7	6	5 4	3 2	1 0
☐ Too Turbid/Dec	ep to Determine	□ Too Turbi	d to Dete	rmine	⊒ Too Deep	to Dete	ermine	□ Surf	ace Fro	zen=Ca	nnot De	termine
8. BANK STABILITY	Banks stable; evi- erosion or bank fa or minimal ; little future problems (- affected).	ailure absent potential for < 5% of bank	small are healed ov reach has	eas of eros ver; 5-30% s areas of		of bank erosior floods.	ately unsta k in reach n; high pc	has are otential	as of	"raw" a straight obvious	areas fred sections bank slo	eroded areas; quent along and bends; ughing; 60- s erosional
TOTAL SCORE:	Dete	ermin	e leí	Mri	ght l	by f	aci	ng	<u>do</u>		stre	am
LEFT:	10	9	8	7	6		5	4	3	2	1	0
RIGHT: 9. BANK	10 More than 90% o	9	8 70 00% a	f the stream	6	F0 700	5 6 of the st	4	3	2	1	of the stream
VEGETATIVE PROTECTION	bank surfaces an riparian zones (ci covered by native including trees, ui shrubs, and non-(herbs, grasses, fi mosses); vegetat disruption throug mowing minimal ci evident; almost a allowed to grow ni	d immediate rest-over) veceptation nderstory woody plants ferns, ive gh grazing or or not all plants	surfaces vegetation plants is represent evident, growth potent; m	are covered on, but on not well ted; disrubut not affortential to ore than ontial plant maining.	ed by native e class of aption ecting plant any great one-half of	surface vegeta obviou or clos vegeta than o plant s remain	es are cov ntion; disi us; patche sely crop ntion com ne-half of stubble he ing.	vered by ruption es of ba ped amon; le f the pot eight	native re soil ess ential	bank su native of strea high; v remove in aver	urfaces are vegetation m bank vegetation ed to 2 inc	e covered by n; disruption egetation very has been ches or less ble height.
TOTAL SCORE:	Rate fron		of ba	nk to					oank		9 17001	is count
LEFT:	10	9	8	7	6		5	4	3	2	1	0
RIGHT:	10	9	8	7	6		5	4	3	2	1	0
10. WIDTH OF UNDISTURBED VEG. ZONE	Width of undisturily zone is >18 meter activities (parking roadbeds, clear corops) have not i	ers; human g lots, outs, lawns, or mpacted this	18 meter have only this zone.	s; human minimall	een 12 and activities y impacted	12 met have in great of		an active the zone	/ities e a	meters disturb man-in	; little or leed vegeta duced ac	ation due to tivities.
TOTAL SCORE:	^{zone.} Kate f Undistu	irom top (rbed ve		k cres trees	st-over s, shru	out in ibs. 8	ito the & mo	9 1100 M-W/	ooqz od bla	ain/ac v ma	ijacer Cro-1	
LEFT:	10	9	8	7	6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5	4	3		2	1 0
RIGHT:	10	9	8	7	6		5	4	3		2	1 0
Is Site A Potentia	al Reference?				ater Cher), Level I							nce,
If not a Potential	Reference, why	?										
	(Check all that		only	□ Sedi □ Con	ment ductivity	Fecal ☐ Oth	□ Nutri er:	ients	□ Met	als 🗆	pH 🗆	Sulfate

_		. 1 .	LANDOMAIED/OTAK	EUOL DED IN	CODIAL TION	DE001	0 DUOTOO		
	iewers Initia		LANDOWNER/STAK	EHOLDER IN			, & PHOTOS >>>	·>>>>>	>>>>>
	andowner/ eholder Na				Landow Stakeholde				
Slan	lenoider iva	ille			Stakenoide	I Name			
Add	ress				Address				
1ºPI	hone # ()			1ºPhone #	()		
Α	LT# ()			ALT#	i)		
		Requested []	WS Report Requ	ested []	Stream Da	ata Regu	ested[]	WS Report F	Requested []
			mation (e.g., email) & Com		Other Pertine	ent Landov	vner Information (
00			a.ioii (oigi, oiliaii) a coili			one Eunao	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o.g., oa., a	
	icouse the	annoncibility t	o the site including acc	ossibility po	etad property	, fonced	basida road la	ag walk ava	tropohorous
U	iscuss tile d	accessibility to	terrain, hike length	essibility, po: n. 4 x 4 neede	stea property d. aet kev fra	om lando	wner. etc.	ig walk over	treacherous
Chec	ck all	Easy Access	☐ Difficult Access ☐ I					Fenced 🗆	Gated
		•	Landowner	•	2		☐ 4x4 Needed		
		oility Notes:	Landowner 🗆 Deside N	Joau 🗆 Siloi	TIIKE LLO	ilig i like	☐ 4X4 Needed	□ Other (e)	кріаіті)
Necc	DII/ACCESSIL	onity Notes.							
			-						
Pho		og >>>>>	-	ре			Са	mera Numb	er
#	Photo ID	Disk Photo	Stream Name and/or	Phot	o Description	ı (Use Ke	ev Words)	Date	Photographer
	(office)	# (field)	AN-Code		•	•	,		0 1
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