TRANSECT CHANNEL CHARACTERIZATION>>>>>>>>>>>> Reviewers Initials																					
AN-Code Date																					
Transec			A					D	☐ E		F		3		<u> </u>			<u>J</u>		K	
Remember that transect A is upstream end of reach, 6 transects needed for 500 M and 11 transects for 1000 M (6 full thalweg profiles either way)												Transe Distanc				Circle One	(' /	omple	te	Partial	
Channel Measurements												S				_	-				
Bank/Wetted Width Measurements Bank Angle (estimate)											Longitudinal Thalweg Measurements										
Estimat		F	Distance (m)				Circle Angle				Take 10 measurement between current transect and next										
any of these values that			(111)	Bankfull				V Near Verticle/			transect downstream. Space the measurements as										
are no		-		Height			_	Undercut (>			evenly as possible along thalweg. Calculate average thalweg and record in box below										
attainab Use lase	-			Bankfull Wid		h	S Steep (30 - 7		75°)												
rangefinder and/or tape. "BPJ"				Wetted Width			G	Grad	radual (5 - 30°)		Measurement		ent	Depth (m)			Notes				
							F	F	0°)	0- At Transect											
Estimate the percentage of each habitat across the current transect.										sect.		1									
(from one bank to the o						e oth	ther)				2										
% Riffle	е		% Run				% Pool				3										
Subst			Particle Codes			Siz	ze Class	ass			4										
Bedrock	(BR				k/hardpan than a car)			5											
Boulder			BL	Basketball to car (>250-4000 mm)								6									
Cobble			СВ	Tennis ball to basketball (>64-250 m						1)		7									
Coarse Gravel			CG	Marble t	o tenni	s bal	all (>16-64 mm)				8										
Fine Gravel			FG	Ladybu	g to ma	(>2-16	6 mm)	١			9										
Sand			SA	Gritty –	mm)			Average	9												
Silt & Fines			ST	Fine – n	ot gritty	y (<	<0.06 mm)					Notes:									
Clay			CL	Slick/ ha																	
Metal Hydroxide			МН	Any Metal Hydroxide Deposits (Use only in the Substrate Layer Profile)																	
		S	Substra	te Chara	cteriza	tion	and D	epth	Profile	e (Perp	oend	licular 1	from	ban	k out	into c	hann	el)			
LDB										RDB											
Spot (m)	Depth (m)		Habita Type		%aç	ge 1	Don Sub		%age 2	Spot (m)	Depth (m)		Hab Ty		Don Sub	%ag	age 1	Do Sul		%age 2	
0	`		<u> </u>							0											
2										2											
4										4											
6										6											
8	8									8											
10	10									10											
						н	ahitat '	Tyne:	Rf-Riff	le Rn-	- Rur	n. PI=Po	ol.					-			

Page 1 WVDEP WAB Non-Wadeable Transect Stream Assessment Form (4/13/2012)

Reviewers Initials TRANSECT HABITAT & RIPARIAN CHARACTERIZATION>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>															
	A DB		□ D		E	□ F		G	□ H		I 🗆 ,	_	□ K		
In-Channel Fish Cover / Structure in Riparian Plot															
Directions: Observe all structure that is found inside the wetted section of the riparian plot (20m x 10M) only. Do not record any structure found outside the plot. This is recorded elsewhere.															
Density Codes	s: 0=Absent (0							75%) 4	4=Very Heavy (<75%)						
	Cover Type				LD	В			RDB		Fish Cov	er Note	es:		
	mentous Alga			0	1 2	3 4	4	0 1	2	3 4					
Aquatic and Inundate			ohytes)	0	1 2	3 4	4	0 1	2	3 4					
Larg (diameter >0.3	ge Woody Deb		١	0	1 2	3 4	4	0 1	2	3 4					
Small Woody Debris	(<0.3m or ~1			0	1 2	3 4	4	0 1	2	3 4					
1	dead)	4.64 12													
Inundated Live Trees Overhanging Veg	•			0	1 2		4 4	0 1	2	3 4					
Undercut Banks				0	1 2		4	0 1	2	3 4					
	Boulders			0	1 2		4	0 1	2	3 4					
Artificial Struct	ures (Docks, L	andings, etc.	.)	0	1 2	3 4	4	0 1	2	3 4					
Immediate Visual Riparian Vegetation Estimates															
Canopy / Vegetative Types: D=Deciduous C=Coniferous MD=Mixed Deciduous MC=Mixed Coniferous N=None															
Density Codes: 0=Absent (0%) 1=Sparse (<10%) 2=Moderate (10-40%) 3=Heavy (>40-75%) 4=Very Heavy (<75%)															
DBH = Diameter Breast Height Canopy (> 5 m high) LDB RDB Riparian Notes:															
Vegetation T	<u> </u>	D C	MD	MC I	N	D	С	MD	MC	N	mpanan				
Big Trees (Trunk > 0	•	0 1	2		4	0	1	2	3	4					
Small Trees (<0.3		0 1	2		4	0	1		3	4					
Understory (0.5 to	5 m high)														
Vegetation T		D C	MD		N	D	С	MD	MC	N					
Woody Shrubs/S		0 1	2		4	0	1	2	3	4					
Grasses/Herba		0 1	2	3	4	0	1	2	3	4					
Ground Cover (<0 Woody Shru		0 1		2	4	0	1		2	4					
Ferns, Grasses,		0 1	2 2		4 4	0	<u>_</u>	2	3	4					
Leaf Litte		0 1	2		4	0	1	2	3	4					
Barren So		0 1	2		4	0	1	2	3	4					
Invasive Species in	☐ Japanese Kno	otweed 🗆 Tree	e-of-Heav	en □ N	/lulti-flo	ora Rose		Crown Ve	tch [Kudzu	☐ Bambo	o 🗆 /	Autum	n Olive	
transect riparian Japanese Knotweed Tree-of-Heaven Multi-flora Rose Crown Vetch Kudzu Bamboo Autumn Olive Japanese Honeysuckle Purple Loosestrife Wineberry Other:															
		Imm	odiata	Dinari	an U	uman	Infli	ionco							
	Location		ediate						B -	On Rank	,				
Location Rating: 0 = Not present, P= > 10m, C = Within Plot,, B = On Bank Density Codes: 0=Absent (0%) 1=Sparse (<10%) 2=Moderate (10-40%) 3=Heavy (>40-75%) 4=Very Heavy (<75%)															
Only perform assessn			bank un	less this	transe	ect is sch	nedul							both	
banks should be assessed LDB RDB															
	Loc	cation	_DB	Don	sity			Lor	cation		Density				
Bank Stabilization	0 P	C B	1		3	4		0 P	C	<u>'</u> В	1	2	3	4	
Buildings	0 P	СВ	1 1		3	4		0 P		В	1 1	2	3	4	
Roads	0 P	C B	1		3	4		0 P	C	В	1 1	2	3	4	
Railroad	0 P	C B	1		3	4	1	0 P	C	В	1 1		3	4	
Parking Structures	0 P	C B	1		3	4		0 P	C	В	1 1	2	3	4	
ATV Trails	0 P	C B	1		3	4		0 P	C	В	1	2	3	4	
Foot Trails	0 P	C B	1		3	4		0 P	С	В	1	2	3	4	
Pipes (Inlet/Outlet)	0 P	СВ	1		3	4		0 P	С	В	1	2	3	4	
Landfill/Trash	0 P	C B	1		3	4		0 P	C	В	1	2	3	4	
Lawn/Park	0 P	C B	1		3	4		0 P	C	В	1 1	2	3	4	
Golf Course	0 P	C B	1		3	4		0 P	C	В	1	2	3	4	
Row Crops	0 P	СВ	1	2	3	4		0 P	С	В	1	2	3	4	
Pasture/Ag.	0 P	СВ	1	2	3	4		0 P	С	В	1	2	3	4	
Logging	0 P	СВ	1	2	3	4		0 P	С	В	1	2	3	4	
Gas (well or pipes)	0 P	СВ	1	2	3	4		0 P	С	В	1	2	3	4	

В

3

4

Mining