					Wot	and (	Conditio	n	Assessme	nt Form			2/4/2017
			Penns	vlvani						Cument No. 310-2	137-002)		
			1 01110	yivan.				•	Environmental P		131-002		
		Fo	or use in all v	wetland		-	•			nd within the banks o	f a watercourse.		
Project #			Project Na	ame			Date	-	Proposed Impact S		AA #	AA Size (acres)	
		Poir	nte Logi	stics		r	10/02/2	22	0.070		WE-2	1.31	
Name(s) of Eval Stephen Dadi					Lat (dd)	6947	Long (dd) -75.0973	63	Notes:				
General Com					40.00	0371	-10.0010	00					
1. Wetland Zone	e of Influence Co	onditi	on Index				Cor		• • • • • •				
Wetland Zone		Optir	mal			Subo	optimal	anio	n Category Ma	rginal	P	oor	
of Influence (300 foot area	ZOI area vege	etation	n consists of a			uboptimal:			High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	
around AA	height (dbh) > 3	3 inche		ter than	consists	vegetation s of a tree	consists of a tr	ee	ZOI area vegetation consists of non-	consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or equal to 6 Areas compris		ee canopy co f stream chan			n (dbh > 3 ) present,	stratum (dbh > inches) presen		maintained, dense herbaceous	maintained, dense herbaceous	mowed, and maintained areas,	surfaces; mine spoil lands, denuded	1
	wetlands (rega	ardless	s of classificat	tion or	with grea	ater than or	with greater that	an or	vegetation with	vegetation, riparian	nurseries; no-till	surfaces, row crops,	,
	condition) and acres are		trine resource ed as optimal.			o 30% and n 60% tree	equal to 30% a less than 60%		either a shrub layer or a tree stratum	areas lacking shrub and tree stratum,	cropland; actively grazed pasture,	active feed lots, impervious trails, or	
					canopy	cover and	canopy cover v		(dbh > 3 inches)	areas of hay	sparsely vegetated	other comparable	
					herbac	ning both eous and	maintained understory.		present, with less than 30% tree	production, and ponds or open water	non-maintained area, pervious trails	conditions.	
					shrub la	ayers or a aintained			canopy cover.	areas (< 10 acres). If trees are present,	recently seeded and stabilized, or other		CI = Total
						aintained erstory.				tree stratum (dbh > 3	comparable		Score/20
										inches) present, with less than 30% tree	condition.		
										canopy cover with			
										maintained understory.			
										-			
SCORE	20 19 plicable Conditio	18 on Cate		16 within th	15 ne wetland			11 e desc		8 7 6	5 4	3 2 1	
2. Estimate the	% area within ea ZOI Area in decin	ich cor nal for	ndition catego	ory. Ca	alculators a	are provide	d for you below.			Total Se	core = SUM(%Areas*	Scores)	
	Condition Categ	jory:	- 09/		I		09/		00/	4000/	00/	F	
Scoring:	% ZOI Area: Score:	-+	0%			0% 0	0%		0% 0	100% 8	0%	Total Score:	
Sconing.	Total Sub-score		0.00		C	0.00	0.00		0.00	8.00	0.00	8.00	0.40
Comments: 2. Roadbed Pre	sence Index						Cone	dition	Categories				
a. Roadbed		Optir					optimal		Ma	rginal		oor	
Presence (within 0 - 100	High Optimal: roadbeds prese		Low Optimal Roadbed pres			presence	Low Suboptim Roadbed prese		High Marginal: Roadbed presence	Low Marginal: Roadbed presence	High Poor: Roadbed presence	Low Poor: Roadbed presence	
foot Wetland ZOI distance)	within 100 feet of the AA boundar	of s	score within (	0-100	score wit	hin 0-100 Ince of the	score within 0-	100	score within 0-100 foot distance of the	score within 0-100	score within 0-100 foot distance of the	score within 0-100 foot distance of the	
201 distance)	THE AA DOUIIDAI	ł	feet of the AA boundary equ	ual to	AA bound	dary is	AA boundary is	6	AA boundary is	foot distance of the AA boundary is	AA boundary is	AA boundary is	
		0	or less than 2	<u>'</u> .			t greater than to			t greater than to 8 but b less than or equal to	greater than 10 but less than or equal to	greater than 12.	
					4.	1 1000 11101	6.	uui to	8.	10.	12.		
SCORE	20 19	18	B 17	16	15	14	13 12	11	10 9	8 7 6	5 4	3 2 1	
Comments:	·						Con	dition	Categories				
b. Roadbed		Optir					optimal		Ma	rginal		oor	1
Presence (within 100 -	High Optimal: roadbeds prese		Low Optimal Roadbed pres			presence	Low Suboptim Roadbed prese		High Marginal: Roadbed presence	Low Marginal: Roadbed presence	High Poor: Roadbed presence	Low Poor: Roadbed presence	
300 foot Wetland ZOI	within 100 - 300	) feet s	score within 1	100 -	score wit	hin 100 -	score within 10		score within 100 -	score within 100 -	score within 100 -	score within 100 -	
distance)	of the AA bound		300 feet of th boundary equ			of the AA / is greater	300 feet AA boundary is gre	eater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	CI = Total
		C	or less than 2	2.	than to 2 to or less	but equal	than to 4 but le than or equal to		than to 6 but less than or equal to 8.	than to 8 but less than or equal to 10.	than to 10 but less than or equal to 12.	than 12.	Score/20
SCORE	20 19	18	3 17	16	15		13 12	11		8 7 6		3 2 1	-
SCORE	20 19	10	17	10	15	14	13 12	- 11	10 9	Condition Score	S 4 Weighting	Sub-Scores	
									a. Roadbed 0-100:		* (0.67)	13	
								k	o. Roadbed 100-300:	20	* (0.33)	7	1.00
<b>a</b> ,											Total Score:	20	
Comments:													
1													

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

2/4/2017

Pennsylvania Department of Environmental Protection

			For us	e in all w	vetland	l classifi	cations f	ound w	rithin Pen	nsyvlar	nia excep	t those fou	und wit	hin the b	anks o	f a wate	rcourse	).			
. Vegetation C	ondition	Index								onditio	n Catego	r)/									
a. Invasive		Op	otimal				S	uboptin		onuno	Catego	-	arginal					Pool	r		-
Species Presence		otimal: No es present.	of th	Optimal e total A/ ains inva: ies.	Ą	>5% bu 10% of	uboptima It less tha the total s invasive	n >10 AA 20º e cor	w Subop 0% but les % of the t ntains inva ecies.	ss than otal AA	30% of t	rginal: it less than he total AA invasive	but le	Margina ess than otal AA co sive spec	50% of ontains	> 50%	6 of the	total AA specie		s invasive	'
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	: 1	
omments:																					
b. Vegetation		Or	otimal				S	uboptin		Conditio	n Catego	-	arginal					Poor			_
Stressor Presence	vegetati	otimal: No ion stressor within the	s vege pres	Optimal etation str ent withir ooundary.	ressor h the	Two ve	uboptima getation rs presen he AA	t stre	w Subopt ree vegeta essors pre hin the AA undary.	ation esent	High Ma Four veg stressor within th boundar	rginal: getation s present e AA	Low vege pres	Margina tation str ent within dary.	essors				etation	stressors ndary.	CI = To Score/4
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	: 1	
omments:														sive Sub-				20 20		l Score 40	1.00
. Hydrologic M	lodificati	on Index																			
		~	otimal				0	uboptin		onditio	n Catego	-	arginal					Poor			
Hydrologic Modification Stressor Presence	hydrolog	otimal: No gic stressors within the	s hydr pres	Optimal ologic str ent withir ooundary.	essor the	Two hy	uboptima drologic rs presen he AA	t stre	w Subopt ree hydro essors pre hin the A/ undary.	logic esent	High Ma Four hyd stressor within th boundar	rginal: Irologic s present e AA	Low hydr pres	Margina blogic stro ent within dary.	essors				Irologic	stressors ndary.	CI = Tot Score/2
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	: 1	1.00
Sediment Str Stressor Presence SCORE omments:	High Or sedimer	Or otimal: No nt stressors within the ndary.	sedii pres	Optimal ment stre ent withir poundary. 17	essor h the	Two se	uboptima diment rs presen he AA	t stre wit		timal: ient esent	High Ma Four sec stressor within th boundar	Ma rginal: liment s present e AA	sedir pres	Margina nent stree ent within dary. 7	ssors	pr 5		Pool of five sea thin the 3	diment s AA bou 2	-	CI = To Score/: - 1.00
a. Eutro- phication	No e	utrophicatio			sent	One	eutrophic		nal ressors pr		n Catego	Ma eutrophicat			esent	Three			stressor	rs present	
Stressor Presence SCORE	20	within the	AA bou	undary.	16	15	within th	18 AA b	oundary.	11	10	within the	AA bo	undary.	6	5	within 4	the AA	boundai	-	-
omments:									C	Conditio	n Catego	ry									
. Contaminant / Toxicity	<b>N</b> <sup>1</sup>		otimal	ite e et e				uboptin			<b>-</b>		arginal	oitu -t		<b>T</b> 1	a a=='	Poor		otro	
7 Toxicity Stressor Presence	pre	contaminant esent within				pre			xicitystres A bounda	ary.	pre	contamina sent within	the AA	bounda		pr		ithin the	AA bou	-	CI = To Score/
SCORE omments:	20	19	18	17	16	15	14	13	12	11	10	9	8 Eutro	7 abigation	6	5	4	3	2		
omments:														ohicatior taminan			20 20			Score: 40	1.00
																	20			40	
verall Wetla	ind Lev tion sc		lition	Score:	Suma	all six o	of the C	onditio	on Index	kes an	d divide	by 6 to c	calcul	ate the		0	verall	Condi	tion l	ndex:	0.9

# Pennsylvania Wetland Condition Level 2 Rapid Assessment

(Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

#### **Roadbed Worksheet**

Project Name / Ide	ntifier		Date	Name(s) of Evaluator(s)
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:

Roadbeds: Record the number of occurrences by roadbed type and distance category. Multiply the number of occurrences by the weighting factors for each roadbed type and distance category then sum the total score for each distance category. The total scores for each distance category are then compared to the condition category descriptions.

Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0
2 Lane Paved	0-100 ft.		2	0	100-300 ft.		2	0
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0
Railroad	0-100 ft.		2	0	100-300 ft.		2	0
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores:	0-100 ft.		0		100-300 ft.		0	
Deed Commenter								

Road Comments:

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		v		N
		Y	#'s	N
Vegetation Alteration				-
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number:			
Hudrologia Madification	Total Number:			
Hydrologic Modification Ditching, tile draining, or other dewatering methods				-
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tatal Number			
Colimontation	Total Number:			
Sedimentation				-
Sediment deposits/plumes Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active selective forestly harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	bargos)			
Other:	laiges)			
Oner.	Total Number:			
Eutrophication	Total Number.			
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.				
Heavy or moderately heavy formation of algal mats				
Other:				
	Total Number:			
Contaminant/Toxicity	Total Number.			
Severe vegetation stress (source unknown or suspected)				
Obvious spills, discharges, plumes, odors, etc.				
Acidic drainages (mined sites, quarries, road cuts)				
Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites				
Chemical defoliation (majority of herbaceous and woody plants affected, within one year)				
Fish or wildlife kills or obvious disease or abnormalities observed				
Excessive garbage/dumping				
Excessive garbage/dumping				
Excessive garbage/dumping Other:	Total Number:			

		-	) ennsylvania	(Documer a Departr	ndition Level 2 Rapic nt No. 310-2137-002) ment of Environmental Pro es Presence Worksh	tection	ent	
Are in	vasive species (from	list) present at the site	e in any l	ayer?	YES NO			
lf liste	ed species present, er	nter the percent areal of	overage	e for ead	ch species below:			
Speci	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Specie	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
				I				
		l invasives, collectively	•		%			
comn	nents:							
Jomn	nents:		Commo	on Inva	sives/Aggressives L	ist		
		Scientific	Commo Status	on Inva Code	sives/Aggressives L Common Name	ist	Scientific	Status
Code aggi2	Common Name Redtop	Agrostis gigantea	Status FACW	Code luhe	Common Name Water primrose	Ludwigia he	exapetala	OBLW
Code aggi2 algl2	<b>Common Name</b> Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Ludwigia he Lysimachia	exapetala vulgaris	OBLW OBLW
Code aggi2 algl2 arhi3	Common Name Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	StatusFACWFACWFAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia he Lysimachia Lythrum sa	exapetala vulgaris licaria	OBLW OBLW FACW
Code aggi2 algl2 arhi3 oeth	Common Name Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	StatusFACWFACWFAC-FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia he Lysimachia Lythrum sa Marsilea qu	exapetala vulgaris licaria uadrifolia	OBLW OBLW FACW OBLW
Code aggi2 algl2 arhi3 oeth oevu	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu	exapetala vulgaris licaria uadrifolia um vimineum	OBLW OBLW FACW OBLW FAC
Code aggi2 algl2 arhi3 peth pevu putom	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium	exapetala vulgaris licaria uadrifolia ım vimineum officinale	OBLW OBLW FACW OBLW FAC OBLW
Code aggi2 algl2 arhi3 beth bevu butom calli6	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria la	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW FACW
Code aggi2 algl2 arhi3 oeth oevu outom calli6 egde	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria la Phalaris aru	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde elan	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria la	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde elan elum	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW OBLW
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde elan elum ephi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
Code aggi2 arhi3 oeth oevu outom calli6 cgde clan elum ephi eppa5	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria adrifolia un vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FACW
Code aggi2 aglg12 arhi3 oeth oeto autom calli6 egde elan elum ephi eppa5 asa	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegic Nasturtium Persicaria lu Phalaris arc Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp.	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW
Code aggi2 aglig12 arhi3 oeth oeth outom calli6 egde elan elum eppa5 asa agldi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lou Pyrus sp. Rhamnus fr	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta indinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           OBLW           FAC           FAC           FAC           FAC           FAC-           FAC-           FAC-           FAC-           FAC-
Code aggi2 adgi2 arhi3 opeth opevu outom calli6 eggde elan elum elum ephi eppa5 asa gidi nola nuja	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FACW           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACU           FACW           OBLW           FACU           FACW           OBLW           FAC           FAC           FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lou Pyrus sp. Rhamnus fr Rosa multif	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta indinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC           FAC           FAC           FAC-           FAC-
Code aggi2 aggi2 arhi3 oeth oevu outom calli6 agde elan elum eppa5 asa agldi nola	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus Humulus japonicus Lonicera japonica	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           FACW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr romu tyan	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia he Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lou Pyrus sp. Rhamnus fr	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta indinacea australis (Faloia) cuspidatum perfoliatum bata angula lora istifolia	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FAC           FAC           FAC           FAC-

									2/4/2017
			Wetland C	Condition	Assessme	nt Form			
		Pennsylvani				ocument No. 310-2	437-003)		
		Feilisyivan		•	•		137-002)		
	г	in all wotland	-	ia Department of		rotection nd within the banks o	·		
Project #		For use in all wetland Project Name	I classifications roun	Date	Proposed Impact S		AA #	AA Size (acres)	
		River Pointe	3	10/02/22	0.034		WE-3	1.68	
Name(s) of Eval	luator(s)		Lat (dd)	Long (dd)	Notes:				
Stephen Dadi	io		40.904726	-75.099295					
General Com	ments:			<u> </u>					
1. Wetland Zone	e of Influence Condi	ition Index							
Wetland Zone	01	otimal	Subo	Condition optimal	n Category Ma	rginal	P	oor	
of Influence		ion consists of a tree	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	à
(300 foot area around AA		(diameter at breast ches) with greater than	ZOI area vegetation consists of a tree	ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or equal to 60%	tree canopy cover.	stratum (dbh > 3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	1
		of stream channels, ess of classification or	inches) present, with greater than or	inches) present, with greater than or	herbaceous vegetation with	herbaceous vegetation, riparian	maintained areas, nurseries: no-till	lands, denuded surfaces, row crops	
	condition) and lacu	ustrine resources ≥ 10	equal to 30% and	equal to 30% and	either a shrub layer	areas lacking shrub	cropland; actively	active feed lots,	<i>,</i>
	acres are sco	ored as optimal.	less than 60% tree canopy cover and	less than 60% tree canopy cover with a	or a tree stratum (dbh > 3 inches)	and tree stratum, areas of hay	grazed pasture, sparsely vegetated	impervious trails, or other comparable	
			containing both	maintained	present, with less	production, and	non-maintained	conditions.	
			herbaceous and shrub layers or a	understory.	than 30% tree canopy cover.	ponds or open water areas (< 10 acres).	area, pervious trails, recently seeded and	I	CI = Total
			non-maintained understory.			If trees are present, tree stratum (dbh > 3	stabilized, or other		CI = Total Score/20
			understory.			inches) present, with			
						less than 30% tree canopy cover with			
						maintained			
						understory.			
SCORE	20 19 <sup>-</sup>	18 17 16	15 14 1	13 12 11	10 9	8 7 6	5 4	3 2 1	
		ategory areas within th			criptors above.				
		condition category. Ca form (0.00) and Score				Total So	core = SUM(%Areas*	Scores)	
o. Enter the 702	Condition Category:			le blocks below.					-
	% ZOI Area:	0%	0%	0%	0%	80%	20%	Total Score:	
Scoring:	Score:	0	0	0	0	8	12		0.44
	Total Sub-score:	0.00	0.00	0.00	0.00	6.40	2.40	8.80	
Comments:									
2. Roadbed Pre	sence Index				<u></u>				
a. Roadbed	Op	otimal	Subo	Condition ptimal	Categories Ma	rginal	P	oor	
Presence	High Optimal: No	Low Optimal:	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal:	High Poor:	Low Poor:	
foot Wetland	roadbeds present within 100 feet of	Roadbed presence score within 0-100	Roadbed presence score within 0-100		Roadbed presence score within 0-100	Roadbed presence score within 0-100	Roadbed presence score within 0-100	Roadbed presence score within 0-100	
	the AA boundary	feet of the AA boundary equal to		foot distance of the AA boundary is		foot distance of the	foot distance of the	foot distance of the	
		or less than 2.	greater than to 2 but	t greater than to 4 but	greater than to 6 but	AA boundary is t greater than to 8 but	AA boundary is greater than 10 but	AA boundary is greater than 12.	
			equal to or less than 4.	less than or equal to 6.	less than or equal to 8.	less than or equal to 10.	less than or equal to 12.	)	
		10 17 10							-
SCORE Comments:	20 19 ·	18 17 16	15 14 1	13 12 11	10 9	8 7 6	5 4	3 2 1	
Comments:									
				Condition	Categories				
b. Roadbed Presence		otimal		ptimal		rginal		oor	1
(within 100 -	High Optimal: No roadbeds present	Low Optimal: Roadbed presence	High Suboptimal: Roadbed presence	Low Suboptimal: Roadbed presence	High Marginal: Roadbed presence	Low Marginal: Roadbed presence	High Poor: Roadbed presence	Low Poor: Roadbed presence	
300 foot Wetland ZOI		et score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	
distance)	of the AA boundary	300 feet of the AA boundary equal to	300 feet of the AA boundary is greater	300 feet AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	CI = Total
		or less than 2.	than to 2 but equal	than to 4 but less	than to 6 but less	than to 8 but less	than to 10 but less	than 12.	Score/20
			to or less than 4.	than or equal to 6.	than or equal to 8.	than or equal to 10.	than or equal to 12.		
SCORE	20 19 1	18 17 16	15 14 1	13 12 11	10 9	8 7 6		3 <u>2</u> 1	
					a. Roadbed 0-100:	Condition Score	Weighting * (0.67)	Sub-Scores 13	-
				k	. Roadbed 100-300:		* (0.33)	7	
							Total Score:	20	1.00
Comments:									

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

2/4/2017

Pennsylvania Department of Environmental Protection

8. Vegetation C	ondition	Index							0	onditio	n Catego	rv.									
a. Invasive		Op	timal				Su	Iboptin		onullo	Catego	-	rginal					Poor			-
Species Presence		ptimal: No es present.	of th	optimal: e total AA ains invas cies.	4	>5% bu 10% of	t less than t less than the total A s invasive	n >10 AA 209 cor	w Subopt 0% but les % of the to ntains inva ecies.	ss than otal AA	30% of t	rginal: it less than he total AA invasive	but le the to	Marginal ess than 5 otal AA co ive speci	0% of ntains	> 50%	of the to	otal AA ( species		is invasive	'
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	2 1	
omments:																					
o. Vegetation	_	Or	otimal				Su	Iboptin		onditio	n Catego	-	rginal					Poor			-
Stressor Presence	vegetati	ptimal: No ion stressors within the	s vege pres	• Optimal etation str ent within boundary.	essor the	Two veg	Iboptimal getation rs present ne AA	Lo Thi stre	w Subopt ree vegeta essors pre hin the AA undary.	ation esent	High Ma Four veg stressors within the boundar	rginal: getation s present e AA	Low veget	Marginal tation street ant within dary.	ssors		ter than f esent wit	live vege	etation	stressors indary.	CI = To Score/
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	2 1	
omments:														ive Sub- ion Sub-				20 20		I Score 40	1.00
Hydrologic N	Iodificati	ion Index							C	onditio	n Catego	ry									
	Line 6	-	otimal	Orth	0	Line C		Iboptin		im-1	Line M		rginal	Marri	- Firm	0.55	tor the	Poor		otroco	
Hydrologic Modification Stressor Presence	hydrolog	ptimal: No gic stressors within the ndary.	hydr pres	ologic stru- ent within coundary.	essor the	Two hyd	rs present ne AA	Th stre wit	w Subopt ree hydrol essors pre hin the AA undary.	ogic sent	High Ma Four hyd stressors within the boundar	Irologic s present e AA	hydro	Marginal blogic stre ent within dary.	ssors		ter than t esent wit			stressors indary.	CI = To Score/
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	2 1	1.00
Sediment Str	ressor In	dex																			
Sediment Str Sediment Stressor Presence	High Or sedimer	Op ptimal: No nt stressors within the	sedii pres	optimal ment stre ent within soundary.	ssor the	Two see	<b>Iboptima</b> diment rs present ne AA	Th stre wit		imal: ent esent	n Catego High Ma Four sec stressors within th boundar	Ma rginal: liment s present e AA	sedin	Marginal nent stres ent within dary.	sors		ater than esent wit		diment :	stressors indary.	CI = To Score/
Sediment Stressor Presence SCORE	High Or sedimer present	Op ptimal: No nt stressors within the ndary.	Low sedir pres	ment stre ent within	ssor the	Two see stressor within th	<b>Iboptima</b> diment rs present ne AA	Lo Thi stre	nal w Subopt ree sedime essors pre hin the AA	imal: ent esent	High Ma Four sec stressors within th	Ma rginal: liment s present e AA	Low sedin prese	nent stres ent within	sors	pr 5	esent wit	five sed	diment s AA bou 2	Indary.	Score/
Stressor Presence SCORE comments: a. Eutro- phication Stressor	High O sedimer present AA bour 20	Op ptimal: No nt stressors within the ndary. 19	Low sedia pres AA b 18	ment stre ent within poundary. 17 17	ssor the 16	Two sec stressor within th bounda 15	iboptimal diment s present he AA ry. 14 14 Su eutrophica	12 Lo Thi stra wit bor 13 13	nal w Subopt ree sedime essors pre hin the AA undary. 12	imal: ent esent 11	High Ma Four sec stressors within th boundar 10	Ma rginal: liment s present e AA y. 9 9	8 sedin prese boun 8	nent stres ent within dary. 7 7 ssors pre	sors the AA	5 5	4 Score:	five sed hin the / 3	diment s AA bou 2	endary. 2 1 20 rs present	Score/
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence	High O sedimer present AA bour 20	Op ptimal: No nt stressors within the ndary. 19 19 Putrophicatio within the ,	Low sedii pres AA t 18 18	ment stre ent within poundary.	ssor 16 Sent	Two sec stressor within th bounda 15	uboptimal diment is present te AA ry. 14 14 Su sutrophicz within th	13	nal w Subopt ree sedim essors pre- hin the AA undary. 12 Ca nal ressors pro- oundary.	imal: ent ssent 11 onditio esent	High Ma Four sec stressors within th boundar 10	Ma rginal: liment s present e AA y. 9 9 ry ma eutrophicati within the	8 rrginal on stree	nent stres nt within dary. 7 ssors pre undary.	sors the AA 6 sent	5 Three	4 Score: e eutroph within t	five sed hin the A 3 Poor ication s the AA b	diment s AA bou 2 2 stresso 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 1 2	rs present ry.	Score/
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE	High O sedimer present AA bour 20	Op ptimal: No nt stressors within the ndary. 19 19 Putrophicatio within the ,	Low sedia pres AA b 18	ment stre ent within poundary. 17 17	ssor the 16	Two sec stressor within th bounda 15	iboptimal diment s present he AA ry. 14 14 Su eutrophica	12 Lo Thi stra wit bor 13 13	nal w Subopt ree sedim essors pre hin the AA undary. 12 Ca nal ressors pre	imal: ent esent 11	High Ma Four sec stressors within th boundar 10	Ma rginal: liment s present e AA y. 9 9 7 7 7 8 8 8 7 7 7 7 7 7 7 7 7 7 8 7	8 sedin prese boun 8	nent stres ent within dary. 7 7 ssors pre	sors the AA	5 5	4 Score:	five sed hin the A 3 Poor ication s	diment s AA bou 2	rs present ry.	Score/
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE SCORE omments:	High OJ sedimen present AA boun 20	Op ptimal: No nt stressors within the ndary. 19 0p putrophicatio within the a 19	Low sedin pres AA to the sedin present sedin	ment stre ent withir soundary. 17 ssors pres undary. 17 17	ssor the 16 sent 16	Two sec stressor within th bounda 15 One e	iboptimal diment is present te AA ry. 14 14 Su autrophica within th 14 Su	Lo         Lo           This transmission         Strain stra	mal w Subopt ree sedim essors pre- sources of the second mal C. C. mal C. C. mal C. mal	imal: ent sent 11 onditio esent 11	High Ma Four sec stressors within th boundar 10 n Catego 10	Ma rginal: liment s present e AA y. 9 9 ry Ma sutrophicati within the 9	8 arginal arginal	7 ssors pre undary. 7	sors the AA 6 sent 6	professional profe	4 Score:	five sed hin the / 3 Poor ication s the AA t 3 Poor	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	e 1 20 rs present ry. 2 1	Score/ - 1.00
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence	High OJ sedimer present AA bour 20 No e	Op ptimal: No nt stressors within the ndary. 19 0p sutrophicatio within the . 19	Is timal / toxic	ment stre ent within poundary. 17 ssors pres undary. 17 17 city stress	ssor the 16 sent 16 ors	Two sec stressor within th bounda 15 One e	Iboptimal diment is present the AA ry. 14 14 Subrophica within the 14 Subrophica within the 14	Lo     Lo     Thi String	mal w Subopt ree sedim essors pre- sources pri- oundary. 12 C nal ressors pri- oundary. 12 C C C C C C C C C C C C C	imal: ent ssent 11 onditio esent 11 onditio ssors	High Ma Four sec stressors within th boundar 10 10 Two e	Ma rginal: liment s present e AA y. 9 9 7y Ma sutrophicati within the 9	8 rginal on stre AA bot 8 rginal t / toxic	rent stress ant within dary. 7 ssors pre- undary. 7 city stress	sors the AA	professional profe	4 Score:	five sed hin the / 3 Poor ication s ication s 3 Poor innant / t	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rs present ry. 2 1 20 20 20 20 20 20 20 20 20 20 20 20 20	Score,
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments: Contaminant / Toxicity Stressor Presence SCORE	High OJ sedimer present AA bour 20 No e	Op ptimal: No nt stressors within the ndary. 19 0p putrophication within the . 19 0p contaminant assent within	Is timal / toxic	ment stre ent within poundary. 17 ssors pres undary. 17 17 city stress	ssor the 16 sent 16 ors	Two sec stressor within th bounda 15 One e	Iboptimal diment is present the AA ry. 14 14 Subrophica within the 14 Subrophica within the 14	Lo     Lo     Thi String	mal w Subopt ree sedim essors pre- oundary. 12 Conal 12 12 Conal Conal Cona	imal: ent ssent 11 onditio esent 11 onditio ssors	High Ma Four sec stressors within th boundar 10 10 Two e	Ma rginal: liment s present e AA y. 9 9 7 y Ma vutrophicati within the 9 7 y Ma contaminar sent within 9	Ecour seding presested to the seding of the	7 Ssors pre Indary. 7 State of the state of	sors 6 Sent 6 Ors /. 6	professional profe	4 Score: e eutroph within t 4 e contam esent wit	five sed hin the / 3 Poor ication s ication s 3 Poor innant / t	diment : AA bou 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	tressors tresso	Score/ 1.00
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments:	High OJ sedimen present AA boun 20 No e 20	Op ptimal: No nt stressors within the ndary. 19 0p putrophication within the . 19 0p contaminant assent within	Low seding pres AA to 18 18 18 18 18	ment stre ent within soundary. 17 ssors pres undary. 17 17 Sity stress A boundar	16 16 sent 16 0rs y.	Two sec stressor within th bounda 15 One e 15	Iboptimal diment is present the AA ry. 14 14 Su eutrophica within the 14 Su contamin issent withi	Lo     This for the strain strai	mal w Subopt ree sedim essors pre condary. 12 Conal ressors pri oundary. 12 12 Conal xicitystres AA bounda	imal: ent sesent 11 onditio essent 11 onditio ssors rry.	High Ma Four sec stressors within th boundar 10 10 Two e 10 Two e	Ma rginal: liment s present e AA y. 9 9 7 y Ma vutrophicati within the 9 7 y Ma contaminar sent within 9 a.	Europ	rent stress ant within dary. 7 7 ssors pre undary. 7 7 city stress boundar 7 phication	sors the AA 6 sent 6 0rs 7. 6 Score	provide the second seco	4 Score: e eutroph within t 4 e contam esent wit 20	five sed hin the / 3 Poor ication s ication s the AA t 3 Poor hin the /	diment : AA bou 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	tressors indary. 20 rs present ry. 2 1 stressors indary. 2 1 Score:	Score 1.00
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments: Contaminant / Toxicity Stressor Presence SCORE	High OJ sedimen present AA boun 20 No e 20	Op ptimal: No nt stressors within the ndary. 19 0p putrophication within the . 19 0p contaminant assent within	Low seding pres AA to 18 18 18 18 18	ment stre ent within soundary. 17 ssors pres undary. 17 17 Sity stress A boundar	16 16 sent 16 0rs y.	Two sec stressor within th bounda 15 One e 15	Iboptimal diment is present the AA ry. 14 14 Su eutrophica within the 14 Su contamin issent withi	Lo     This for the strain strai	mal w Subopt ree sedim essors pre condary. 12 Conal ressors pri oundary. 12 12 Conal xicitystres AA bounda	imal: ent sesent 11 onditio essent 11 onditio ssors rry.	High Ma Four sec stressors within th boundar 10 10 Two e 10 Two e	Ma rginal: liment s present e AA y. 9 9 7 y Ma vutrophicati within the 9 7 y Ma contaminar sent within 9 a.	Europ	7 Ssors pre Indary. 7 State of the state of	sors the AA 6 sent 6 0rs 7. 6 Score	provide the second seco	4 Score: e eutroph within t 4 e contam esent wit	five sed hin the / 3 Poor ication s ication s the AA t 3 Poor hin the /	diment : AA bou 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	tressors tresso	Score

	.161		Roadbed V					_
Project Name / Ide	ntifier		Date	Name(s)	of Evaluato	or(s)		
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:				
each distance cate category description		total scores fo	or each dista	nce cateç	gory are the		m the total s the conditio	
			Weighting	nce cateo Score	gory are the Distance		the conditio Weighting	
category description	ons.			-		n compared to	the conditio	n
category description	ons. Distance		Weighting Factor	Score	Distance	n compared to	the conditio Weighting Factor	n Sco
category descriptie Roadbed Type ≥ 4 Lane Paved	Distance		Weighting Factor 4	Score 0	<b>Distance</b> 100-300 ft.	n compared to	the conditio Weighting Factor 4	n Scc 0 0
category description Roadbed Type ≥ 4 Lane Paved 2 Lane Paved	Distance 0-100 ft. 0-100 ft.		Weighting Factor 4 2	<b>Score</b> 0 0	Distance 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft.	n compared to	the conditio Weighting Factor 4 2	n Scc 0
category description Roadbed Type ≥ 4 Lane Paved 2 Lane Paved 1 Lane Paved Gravel Road Dirt Road	Distance 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft.		Weighting Factor 4 2 1 1 2 2	<b>Score</b> 0 0 0 0 0 0 0 0 0	Distance 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft.	n compared to	the condition Weighting Factor 4 2 1 1 2 2	n Scc 0 0 0 0
ategory description Roadbed Type ≥ 4 Lane Paved 2 Lane Paved 1 Lane Paved Gravel Road Dirt Road Railroad	Distance           0-100 ft.           0-100 ft.		Weighting Factor 4 2 1 1 1 2 2 2	<b>Score</b> 0 0 0 0 0	Distance 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft.	n compared to	the condition Weighting Factor 4 2 1 1 2 2 2	n Sco 0 0 0 0
category description Roadbed Type ≥ 4 Lane Paved 2 Lane Paved 1 Lane Paved Gravel Road Dirt Road	Distance 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft. 0-100 ft.		Weighting Factor 4 2 1 1 2 2	<b>Score</b> 0 0 0 0 0 0 0 0 0	Distance 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft. 100-300 ft.	n compared to Occurrences	the condition Weighting Factor 4 2 1 1 2 2	n Sco 0 0

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		v		N
		Y	#'s	N
Vegetation Alteration				
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number:			
Hudrologia Madification	Total Number:			
Hydrologic Modification Ditching, tile draining, or other dewatering methods				-
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tatal Number			
Colimontation	Total Number:			
Sedimentation				-
Sediment deposits/plumes Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active selective forestly harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	bargos)			
Other:	laiges)			
Oner.	Total Number:			
Eutrophication	Total Number.			
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.				
Heavy or moderately heavy formation of algal mats				
Other:				
	Total Number:			
Contaminant/Toxicity	Total Number.			
Severe vegetation stress (source unknown or suspected)				
Obvious spills, discharges, plumes, odors, etc.				
Acidic drainages (mined sites, quarries, road cuts)				
Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites				
Chemical defoliation (majority of herbaceous and woody plants affected, within one year)				
Fish or wildlife kills or obvious disease or abnormalities observed				
Excessive garbage/dumping				
Excessive garbage/dumping				
Excessive garbage/dumping Other:	Total Number:			

		Pe	) ennsylvania	Docume a Departi	ndition Level 2 Rapid nt No. 310-2137-002) ment of Environmental Prot es Presence Worksh	tection	ent	
Are inv	vasive species (from	list) present at the site	e in any l	ayer?	YES NO			
If liste	d species present, er	nter the percent areal c	overage	for ea	ch species below:			
Specie	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
						}		
						1		
				1				
Comm			Comm	on Inva	isives/Aggressives L1	ist		
Code	Common Name	Scientific	Commo Status	on Inva	sives/Aggressives Li Common Name	ist	Scientific	Status
Code	<b>Common Name</b> Redtop	<b>Scientific</b> Agrostis gigantea				ist Ludwigia h	,	Status OBLW
Code ggi2		Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code	Common Name Water primrose Garden loosestrife	Ludwigia h Lysimachia	exapetala vulgaris	OBLW OBLW
Code Iggi2 Igl2 Irhi3	Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	StatusFACWFACWFAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia h Lysimachia Lythrum sa	exapetala vulgaris licaria	OBLW OBLW FACW
Code ggi2 lgl2 rhi3 eth	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	StatusFACWFACWFAC-FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia h Lysimachia Lythrum sa Marsilea qu	exapetala vulgaris licaria uadrifolia	OBLW OBLW FACW OBLW
Code ggi2 Igl2 Irhi3 peth pevu	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia h Lysimachia Lythrum sa Marsilea qu Microstegiu	exapetala vulgaris licaria uadrifolia um vimineum	OBLW OBLW FACW OBLW FAC
Code ggi2 lgl2 rhi3 weth wevu wutom	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia h Lysimachia Lythrum sa Marsilea qu Microstegio Nasturtium	exapetala vulgaris licaria uadrifolia um vimineum o officinale	OBLW OBLW FACW OBLW FAC OBLW
Code Iggi2 Igl2 Irhi3 Deth Devu Dutom alli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia h Lysimachia Lysthrum sa Marsilea qu Microstegiu Nasturtium Persicaria l	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW FACW
Code ggi2 lgl2 urhi3 beth bevu butom alli6 ggde	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia h Lysimachia Lythrum sa Marsilea qu Microstegio Nasturtium	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea	OBLW OBLW FACW OBLW FAC OBLW
Code gggi2 llgl2 lrhi3 beth bevu butom alli6 ggde llan	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
Code ggi2 lgl2 rhi3 beth bevu butom alli6 gde lan lum phi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria l Phalaris aru Phragmites Poa trivialis	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW OBLW
Code ggi2 lgl2 irhi3 beth bevu butom alli6 igde elan elum ephi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia h Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC- FAC- FAC-
Code ggi2 lgl2 rhi3 eeth eeth gde lan lum phi ppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACW           OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           OBLW           FAC-
Code ggi2 lgl2 rhi3 eeth eth alli6 gde lan lum phi ppa5 asa ldi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACW           OBLW           OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp.	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC-           FAC-
Code ggi2 lgl2 rhi3 eth eth uutom alli6 gde lan lum phi ppa5 asa Idi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp. Rhamnus fi	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC-
Code ggi2 lgl2 rhi3 weth utom alli6 ggde lan lum ppa5 asa ldi ola uja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FACW           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC           FAC           FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 phau7 potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp. Rhamnus fi Rosa multij	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum bata rangula flora	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC           FAC           FAC-           FAC-           FAC?           FAC-           FAC-
Code ggi2 lgl2 lgl2 rrhi3 peth seth seth gde gde gde gde glan gldi sasa gldi nola nuja oja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria l Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp. Rhamnus fi	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea s australis s (Faloia) cuspidatum perfoliatum bata rangula flora ustifolia	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC-

			monana (	Jonunion	Assessme				
		Pennsylvan	ia Wetland Condit	ion Level 2 Rapid	I Assessment (Do	cument No. 310-2	137-002)		
			-	ia Department of					
Project #		For use in all wetland Project Name	d classifications foun	d within Pennsyvlan Date	ia except those four Proposed Impact S	nd within the banks o	f a watercourse. AA #	AA Size (acres)	
Project #		River Pointe	<u>_</u>	10/02/22	0.024	ize (acres)	WE-5	1.98	
lame(s) of Eval	uator(s)		Lat (dd)	Long (dd)	Notes:		WL-5	1.90	
Stephen Dadi			40.904726	-75.099295					
General Com	ments:			101000200					
. Wetland Zone	e of Influence Cond	ition Index		Condition	n Category				
Wetland Zone	Op	otimal	Subo	ptimal		rginal	P	oor	
of Influence 300 foot area		on consists of a tree	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	1
around AA		(diameter at breast thes) with greater than	ZOI area vegetation consists of a tree	ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)		tree canopy cover.	stratum (dbh > 3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	
		of stream channels,	inches) present,	inches) present,	herbaceous	herbaceous	maintained areas,	lands, denuded	
		ess of classification or ustrine resources ≥ 10	with greater than or equal to 30% and	with greater than or equal to 30% and	vegetation with either a shrub laver	vegetation, riparian areas lacking shrub	nurseries; no-till cropland; actively	surfaces, row crops, active feed lots,	
		pred as optimal.	less than 60% tree	less than 60% tree	or a tree stratum	and tree stratum,	grazed pasture,	impervious trails, or	
			canopy cover and	canopy cover with a	(dbh > 3 inches)	areas of hay	sparsely vegetated	other comparable	
			containing both herbaceous and	maintained	present, with less than 30% tree	production, and ponds or open water	non-maintained area, pervious trails,	conditions.	
			shrub layers or a	understory.	canopy cover.	areas (< 10 acres).	recently seeded and		
			non-maintained			If trees are present,	stabilized, or other		CI = Total Score/20
			understory.			tree stratum (dbh > 3	comparable		Score/20
						inches) present, with less than 30% tree	condition.		
						canopy cover with			
						maintained			
						understory.			
SCORE	20 19	18 17 16	15 14 1	13 12 11	10 9 8	3 7 6	5 4	3 2 1	
			he wetland zone of inf					-	
2. Estimate the 9	% area within each o	condition category. Ca	alculators are provided	d for you below.		Total So	core = SUM(%Areas*	Scores)	
			for each category in t	he blocks below.	1		1	-	
	Condition Category							-	
-	% ZOI Area:	0%	0%	0%	0%	60%	40%	Total Score:	
Scoring:	Score:	0	0	0	0	12	10		0.56
	Total Sub-score:	0.00	0.00	0.00	0.00	7.20	4.00	11.20	0.00
2. Roadbed Pres			n		Categories				
a. Roadbed Presence	Up High Optimal: No	timal Low Optimal:	Subo High Suboptimal:	ptimal	Mar High Marginal:	rginal Low Marginal:	High Poor:	bor Low Poor:	-
(within 0 - 100	roadbeds present	Roadbed presence		Roadbed presence	Roadbed presence		Roadbed presence		
oot Wetland	within 100 feet of	score within 0-100	score within 0-100	score within 0-100	score within 0-100	score within 0-100	score within 0-100	score within 0-100	
2OI distance)	the AA boundary	feet of the AA boundary equal to	foot distance of the AA boundary is	foot distance of the AA boundary is	foot distance of the AA boundary is				
		or less than 2.				greater than to 8 but	greater than 10 but		
						less than or equal to	less than or equal to	-	
			4.	6.	8.	10.	12.		
SCORE	20 19	18 17 16	15 14 1	13 12 11	10 9	8 7 6	5 4	3 2 1	
,									
				Condition	Categories				
Roadbed		otimal	Subo	ptimal		rginal	P	oor	
Presence	High Optimal: No	Low Optimal:	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal:	High Poor:	Low Poor:	
within 100 - 300 foot	roadbeds present within 100 - 300 fee	Roadbed presence et score within 100 -	Roadbed presence score within 100 -	Roadbed presence score within 100 -	Roadbed presence score within 100 -	Roadbed presence score within 100 -	Roadbed presence score within 100 -	Roadbed presence score within 100 -	
		300 feet of the AA	300 feet of the AA	300 feet AA	300 feet of the AA	300 feet of the AA	300 feet of the AA	300 feet of the AA	
distance)	· · · · · · · · · · · · · · · · · · ·	boundary equal to	boundary is greater	boundary is greater	boundary is greater	boundary is greater	boundary is greater	boundary is greater	CI = Total Score/20
		or less than 2.	than to 2 but equal to or less than 4.	than to 4 but less than or equal to 6.	than to 6 but less than or equal to 8.	than to 8 but less than or equal to 10.	than to 10 but less than or equal to 12.	than 12.	00018/20
	20 40	10 47 40		· · · · · · · · · · · · · · · · · · ·		•		2	
	20 19	18 17 16	15 14 1	13 12 11	10 9	8 7 6 Condition Score		3 2 1 Sub-Scores	
SCORE					a. Roadbed 0-100:	20	Weighting * (0.67)	13	
SCORE									-
SCORE									
SCORE				k	b. Roadbed 100-300:	20	* (0.33)	7	1.00
SCORE				t	5. Roadbed 100-300:	20	Total Score:	20	1.00

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

. Vegetation C	ondition	Index							С	onditio	n Catego	rv									
a. Invasive		O	otimal				Su	boptin					arginal					Poor			
Species		otimal: No		Optimal:			Iboptimal		w Subopt		High Ma			Marginal		> 50%	6 of the te			s invasive	
Presence	invasive	s present.		total AA ins invas es.		10% of	t less thar the total A s invasive	A 209	0% but les % of the to ntains inva	otal AA	30% of t	It less than he total AA invasive	the to	ess than 5 otal AA co ive speci	ontains			species	s.		
SCORE	20	19	18	17	16	species. 15	14	spe 13	ecies. 12	11	species. 10	9	8	7	6	5	4	3	2	1	
mments:	20	13	10	17	10	15	14	13	12		10	3	0	,	0	J	4	3	2		
										onditio	n Catego							_		_	
Vegetation Stressor	High Or	otimal: No	otimal	Optimal:	One	High St	Sulboptimal	boptin	nal w Subopt	timal	High Ma		arginal	Marginal	Five	Great	iter than f	Poor		etroseore	-
Presence	vegetatio	on stressor within the	s vegeta preser	ation stre nt within oundary.	essor the	Two veg	etation s present le AA	Thr stre with	ree vegeta essors pre hin the AA undary.	ation esent	Four veg	etation present e AA	veget	tation stre ent within	ssors		esent wit				CI = 1 Scor
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
mments:													a. Invas	ive Sub-	Score:			6	Total	Score	0.6
												b. '	/egetat	ion Sub-	Score:			20	2	26	0.0
lydrologic N	lodificatio									Conditio	n Catego										
Lhudes I	High Cr	Op otimal: No	otimal	Optimal:	000	High S.	Su Iboptimal	boptin	nal w Subopt	timel	High Ma		arginal	Marginal	Five	Gree	ater than i	Poor		stressore	
Hydrologic Modification	hydrolog	gic stressor	s hydrol	logic stre	essor	Two hyd	drologic	Thr	ree hydrol	logic	Four hyd	Irologic	hydro	ologic stre	ssors		esent wit				CI = '
Stressor Presence	present AA boun	within the ndary.		nt within oundary.		stressor within th boundar		with	essors pre hin the AA undary.		stressors within th boundar		prese	ent within dary.	the AA						Sco
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	-
mments:				••			••					•	•	•	•		Score:			20	1.0
Sediment Str	essor Inc	dex																			
Sediment Str	essor Ind		otimal	_			Su	boptin		Conditio	n Catego	-	arginal	_				Poor		_	-
	High Op	Or Ditimal: No	otimal	Optimal:	One		Iboptimal		nal w Subopt	timal:	High Ma	M rginal:		Marginal			ater than	Poor five sed		tressors	- 
Sediment Str Stressor Presence	<u>High Op</u> sedimen	Op <u>otimal</u> : No nt stressors within the	Low C sedim preser	Dptimal: ent stres nt within pundary.	ssor the	Two sec stressor within th	<b>iboptimal</b> diment is present ie AA	i: Lov Thr stre with	nal w Subopt ree sedim essors pre hin the AA	timal: ient esent	High Ma Four sec stressors within th	M rginal: liment s present e AA	Low sedim	nent stres ent within	sors	Grea		five sed	diment s		CI = 1 Scor
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Sediment Stressor	High Op sedimen present	Op <u>otimal</u> : No nt stressors within the	Low C sedim preser	ent stres	ssor the	Two sec stressor within th	<b>iboptimal</b> diment is present ie AA	i: Lov Thr stre with	nal w Subopt ree sedim essors pre hin the AA	timal: ient esent	High Ma Four sec stressors within th	M rginal: liment s present e AA	Low sedim prese	nent stres ent within	sors	Grea pro	ater than	five sed	diment s AA bour <b>2</b>	ndary.	Scor
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			ocument No.					
		Pennsylvania	-			ection		
			Roadbed V					
Project Name / Ide	ntifier		Date	Name(s)	of Evaluato	or(s)		
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:				
occurrences by the each distance cate category descriptio	gory. The		r each dista				the conditio	
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0
2 Lane Paved	0-100 ft.		2	0	100-300 ft.		2	0
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0
Railroad	0-100 ft.		2	0	100-300 ft.		2	0
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores:	0-100 ft.		0		100-300 ft.		0	
Road Comments:								

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		v		N
		Y	#'s	N
Vegetation Alteration				
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number:			
Hudrologia Madification	Total Number:			
Hydrologic Modification Ditching, tile draining, or other dewatering methods				-
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tatal Number			
Colimontation	Total Number:			
Sedimentation				-
Sediment deposits/plumes Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active selective forestly harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	bargos)			
Other:	laiges)			
Oner.	Total Number:			
Eutrophication	Total Number.			
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.				
Heavy or moderately heavy formation of algal mats				
Other:				
	Total Number:			
Contaminant/Toxicity	Total Number.			
Severe vegetation stress (source unknown or suspected)				
Obvious spills, discharges, plumes, odors, etc.				
Acidic drainages (mined sites, quarries, road cuts)				
Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites				
Chemical defoliation (majority of herbaceous and woody plants affected, within one year)				
Fish or wildlife kills or obvious disease or abnormalities observed				
Excessive garbage/dumping				
Excessive garbage/dumping				
Excessive garbage/dumping Other:	Total Number:			

Are invasive species (from list) present at the site in any layer? YES         If listed species present, enter the percent areal coverage for each species below:         Species Code $<5\%$ $\geq 5-20\%$ $\geq 20 - 50\%$ $\geq 50\%$ $Species Code       <5\% \geq 20 - 50\% \geq 50\% Species Code       <5\% \geq 20 - 50\% \geq 50\%         Rosa multiflora       50 Species Code       <5\% < 20 - 50\% \geq 50\%         Rosa multiflora       100 $			•	) ennsylvania	Docume a Depart	ndition Level 2 Rapic nt No. 310-2137-002) ment of Environmental Pro es Presence Worksh	tection	ent	
Species Code       <5%	Are inv	vasive species (from	list) present at the site	in any l	ayer?	YES			
Common Invasives/Aggressives List         Common Invasives/Aggressives List         Common Invasives/Aggressives List         Code       Common Name       Scientific       Status         Gode       Common Name       Scientific       Status         Agrosti gigantea       FACW       luhe       Water primose       Ludwigia hexapetala       OBLW         Sigi2       Redtop       Agrosti gigantea       FACW       luhe       Water primose       Ludwigia hexapetala       OBLW         Sigi2       Redtop       Altraxon hispidus       FACW       lyva       Garde loosestrife       Lysimachia valgaria       FACW         Public Japanese barberry       Berberis thunbergii       FACW       mivi       Japanese stiltgrass       Microstegium vimineum       FAC	f liste	d species present, er	nter the percent areal c	overage	for ea	ch species below:			
Common Invasives/Aggressives List         Construction       Solution         Code       Common Name       Scientific       Status         Code       Common Name       Scientific       Status         Siggi2       Redtop       Agrostis gigantea       FACW       Iuhe       Water primrose       Ludwigia hexapetala       OBLW         Iligl2       European Alder       Allus glutinosa       FACW       Iuhe       Garden loosestrife       Lysimachia vulgaris       OBLW         Pith Japanese barberry       Berberis thunbergii       FACW       may European vaterclover       Microstegium vimineum       FACW         Pith       Japanese barberry       Berberis vulgaris       FACW       mivi       Japanese stiltgrass       Microstegium vimineum       FAC	Specie	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
Comments:Common Invasives/Aggressives ListCode Common Name Scientific Status Code Common Name Scientific Statusaggi2RedtopAgrostis giganteaFACWIuheWater primroseLudwigia hexapetalaOBLWalgl2European AlderAlnus glutinosaFACWIyvuGarden loosestrifeLysimachia vulgarisOBLWarthi3CarpetgrassArthraxon hispidusFAC-Iysa2Purple loosestrifeLythrum salicariaFACWbethJapanese barberryBerberis thunbergiiFACWmaquEuropean watercloverMarsilea quadrifoliaOBLWbevuEuropean barberryBerberis vulgarisFACWmiviJapanese stiltgrassMicrostegium vimineumFAC	losa i	multiflora	50		1				
Comments:Common Invasives/Aggressives ListCode Common Name Scientific Status Code Common Name Scientific Statusaggi2RedtopAgrostis giganteaFACWIuheWater primroseLudwigia hexapetalaOBLWalgl2European AlderAlnus glutinosaFACWIyvuGarden loosestrifeLysimachia vulgarisOBLWarthi3CarpetgrassArthraxon hispidusFAC-Iysa2Purple loosestrifeLythrum salicariaFACWbethJapanese barberryBerberis thunbergiiFACWmaquEuropean watercloverMarsilea quadrifoliaOBLWbevuEuropean barberryBerberis vulgarisFACWmiviJapanese stiltgrassMicrostegium vimineumFAC									
Comments:           Code         Common Name         Scientific         Status         Code         Common Name         Scientific         Status           ggi2         Redtop         Agrostis gigantea         FACW         luhe         Water primrose         Ludwigia hexapetala         OBLW           lgl2         European Alder         Alnus glutinosa         FACW         lyvu         Garden loosestrife         Lysimachia vulgaris         OBLW           rhi3         Carpetgrass         Arthroxon hispidus         FAC         lysa2         Purple loosestrife         Lythrum salicaria         FACW           ueth         Japanese barberry         Berberis thunbergii         FACW         maqu         European waterclover         Marsilea quadrifolia         OBLW           vevu         European barberry         Berberis vulgaris         FACW         mivi         Japanese stiltgrass         Microstegium vimineum         FAC									
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				-	· · ·			· · · · · · · · · · · · · · · · · · ·	
utom Flowering Rush Butomus umbellatus OBLW nami2 Water cress Nasturtium officinale OBLW				-			5		-
		•							-
Ballio         Pond water-starwort         Callitriche stagnalis         OBLW         pelo         Low smartweed         Persicaria longiseta         FACW           gde         Brazilian waterweed         Egeria densa         OBLW         phar         Reed canary grass         Phalaris arundinacea         FACW					<u> </u>			5	
gde         Brazilian waterweed         Egeria densa         OBLW         phar         Reed canary grass         Phalaris arundinacea         FACW           Ian         Russian olive         Elaeagnus angustifolia         FACU         phau7         Common Reed         Phragmites australis         OBLW	-		J		P				
Initial Resolution         Endedging angustion         FACO         Initial Common Reed         Findging angustion         Obtw           Ium         Autumn olive         Elaeagnus umbellata         FACU         potr         Rough bluegrass         Poa trivialis         FACW	-				<u> </u>		3		-
phi Hairy willow-herb Epilobium hirsutum FACW pocu6 Japanese knotweed Polygonum (Faloia) cuspidatum FAC-	-		3		<u> </u>	0			-
ppa5 Willow-herb Epilobium parviflorum FACW pgpf Mile-a-minute Polygonum perfoliatum FAC-		1	F		<u> </u>		, ,	. , ,	
asa Giant knotweed <i>Fallopia sachalinensis</i> OBLW puera Kudzu-vine <i>Pueraria lobata</i> FAC-				-			, ,		-
			1	-	pysp1	Apple/crabapple/pear	Pyrus sp.		-
		Velvetgrass	Holcus lanatus	FAC	rhfr	Glossy Buckthorn	, ,	angula	FAC-
	uja	Japanese Hops	Humulus japonicus	FACU	romu	Multiflora rose	,	5	FACU
ola Velvetgrass Holcus lanatus FAC rhfr Glossy Buckthorn Rhamnus frangula FAC-		Japanese honeysuckle	Lonicera japonica	FAC-	tyan	Cattail (hybrid)	,		
ola         Velvetgrass         Holcus lanatus         FAC         rhfr         Glossy Buckthorn         Rhamnus frangula         FAC-           uja         Japanese Hops         Humulus japonicus         FACU         romu         Multiflora rose         Rosa multiflora         FACU						cutturi (riybriu)			OBLW

						Wetlan	d C	Condition /	Assessme	nt Form			2/4/2017
				Penns	ylvani	a Wetland Co	ndit	ion Level 2 Rapid	Assessment (Do	ocument No. 310-2	137-002)		
								ia Department of					
Desired #				se in all v Project N		classifications	foun		ia except those four Proposed Impact S	nd within the banks o			
Project #				ver Po		,		Date 10/02/22	0.024	ize (acres)	•AA # WE-8	AA Size (acres) 1.98	
Name(s) of Eval	untor(c)			VEIFU	Jinte	Lat (dd)		Long (dd)	Notes:		VVE-0	1.90	
Stephen Dadi			-			40.90756	. <b>/</b>	-75.089360	Notes.				
General Com						40.30730		-75.005500					
1. Wetland Zone	of Influ	ence Con	dition	Index				Conditior	n Category				
Wetland Zone		0	ptimal				Subo	ptimal	Mar	rginal	Pe	oor	
of Influence (300 foot area		rea vegeta um presen				High Suboptin		Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	
around AA		dbh) > 3 ir				ZOI area veget consists of a t		ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or eq	ual to 60%	% tree of	canopy co	over.	stratum (dbh	> 3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	
		comprise ds (regard				inches) prese		inches) present,	herbaceous	herbaceous	maintained areas,	lands, denuded surfaces, row crops,	
		n) and la				with greater that equal to 30%		with greater than or equal to 30% and	vegetation with either a shrub laver	vegetation, riparian areas lacking shrub	nurseries; no-till cropland; actively	active feed lots,	
		cres are se				less than 60%	tree	less than 60% tree	or a tree stratum	and tree stratum,	grazed pasture,	impervious trails, or	
						canopy cover		canopy cover with a	(dbh > 3 inches)	areas of hay	sparsely vegetated	other comparable	
						containing bo herbaceous a		maintained understory.	present, with less than 30% tree	production, and ponds or open water	non-maintained area, pervious trails,	conditions.	
						shrub layers o	or a		canopy cover.	areas (< 10 acres).	recently seeded and		CI = Total
						non-maintain				If trees are present,	stabilized, or other		Score/20
						understory				tree stratum (dbh > 3 inches) present, with	comparable condition.		
										less than 30% tree	condition.		
										canopy cover with			
										maintained understory.			
										underetery			
SCORE	20	19	18	17	16	15 14	1	3 12 11	10 9 8	B 7 6	5 4	3 2 1	
								luence using the desc	riptors above.				
2. Estimate the										Total So	core = SUM(%Areas*	Scores)	
<ol> <li>Enter the % Z</li> </ol>		in decimal on Catego		0.00) and	Score	for each categor	y in tl	ne blocks below.					
			y.	00/		00/		00/	00/	609/	400/	Terrige	
	% ZOI A	ilea:		0% 0		0%		0%	0%	60%	40%	Total Score:	
Scoring:	Score:					0		0	0	10	8		0.46
	Total Su	b-score:		0.00		0.00		0.00	0.00	6.00	3.20	9.20	
2. Roadbed Pres a. Roadbed Presence	High Op	O otimal: No		v Optimal		High Suboptim	al:	ptimal Low Suboptimal:	High Marginal:	rginal Low Marginal:	High Poor:	oor Low Poor:	
(within 0 - 100		s present		adbed pre				Roadbed presence	Roadbed presence			Roadbed presence	
		00 feet of boundary		re within ( t of the AA					score within 0-100 foot distance of the		score within 0-100 foot distance of the		
,			bou	ındary equ	ual to	AA boundary is		AA boundary is	AA boundary is	AA boundary is	AA boundary is	AA boundary is	
			or le	ess than 2	2.			greater than to 4 but			greater than 10 but		
						equal to or less 4.	uidh	less than or equal to 6.	less than or equal to 8.	10.	less than or equal to 12.		
SCORE	20	19	18	17	16	15 14	1	3 12 11		8 7 6		3 2 1	
%													
b. Roadbed	_		ptimal		_		Subc	Condition	Categories	rginal	n	por	
Presence	High Op	timal: No		v Optimal	:	High Suboptim		Low Suboptimal:	High Marginal:	Low Marginal:	High Poor:	Low Poor:	
(within 100 -	roadbed	s present	Roa	adbed pre	sence	Roadbed prese	nce	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence	
300 foot Wetland ZOI		00 - 300 fe				score within 10		score within 100 - 300 feet AA	score within 100 -	score within 100 -	score within 100 -	score within 100 -	
distance)		A boundar		ndary equ		300 feet of the boundary is gre			300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	300 feet of the AA boundary is greater	CI = Total
				ess than 2		than to 2 but ec	lual	than to 4 but less	than to 6 but less	than to 8 but less	than to 10 but less	than 12.	Score/20
						to or less than 4	4.	than or equal to 6.	than or equal to 8.	than or equal to 10.	than or equal to 12.		
SCORE	20	19	18	17	16	15 14	1	3 12 11	10 9	8 7 6		3 2 1	
									a Roadhad 0 400-	Condition Score	Weighting	Sub-Scores	
									a. Roadbed 0-100:	16	* (0.67)	11	
								b	. Roadbed 100-300:	20	* (0.33)	7	0.87
											Total Score:	17	
Comments:			_				_						

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

		n Index																			
Vegetation C	ondition								С	onditio	n Catego	rv									
a. Invasive		O	otimal				Su	uboptin			2		arginal					Poor			
Species		ptimal: No	Low	Optimal			uboptimal	l: Lo	w Subopt		High Ma	rginal:	Low	Marginal		> 50%	6 of the to			s invasive	
Presence	invasive	es present.		e total AA			t less thar		0% but les			ut less than		ess than 5				species	s.		
			conta speci	ains invas ies.	sive	contain	the total A s invasive	COL	% of the to ntains inva		contains	he total AA invasive		otal AA co sive speci							
SCORE	20	19	18	17	16	species 15	. 14	spe 13	ecies. 12	11	species. 10	9	8	7	6	5	4	3	2	1	
omments:	20	10	10		10	10	14	10	12		10		•	•	Ū	•	-				
										onditio	n Catego										
. Vegetation Stressor			otimal					uboptin					arginal		-			Poor			
Presence		ptimal: No ion stressor		Optimal: tation str		Two ve	uboptimal		w Subopt ree vegeta		High Ma Four veg			Marginal tation stre			ter than f esent wit				CI = T
		t within the	prese	ent within oundary.	the	stressoi within th	rs present ne AA	stre wit	essors pre	esent	stressor within th	s present e AA	prese	ent within dary.		pro	coont wit			idary.	Score
SCORE	20	19	18	17	16	bounda 15	14	13	undary. 12	11	boundar 10	y. 9	8	7	6	5	4	3	2	1	
mments:													a. Invas	sive Sub-	Score:			6	Total	Score	0.6
												b. '	/egetat	tion Sub-	Score:			20	2	26	0.0
Hydrologic N	Iodificati	ion Index								onditio	n Catago	P1/									-
		-	otimal					uboptin	mal		n Catego	М	arginal			-		Poor			
Hydrologic Modification		ptimal: No gic stressor		Optimal: plogic stre		High Su Two hyd	uboptimal		w Subopt ree hydrol		High Ma Four hyd			Marginal			iter than f esent wit				CI = T
Stressor Presence		t within the	prese	ent within oundary.	the		rs present	stre	essors pre	esent		s present		ent within		pro				iddi yr	Scor
i lesence		,		-		bounda	ry.		undary.		boundar	у.									
SCORE mments:	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4 Score:	3	2	1	1.0
Sediment St	ressor In		otimal			_	Su	uboptin		Conditio	n Catego	-	arginal			_		Poor			
			ptimal	Optimal:	<u>:</u> One	High St	Su	ıboptin I: Lo			n Catego High Ma	M	arginal	Marginal	<u>.</u> Five	Grea	ater than	Poor five sed		tressors	-
Sediment Str Sediment Stressor	High O sedimer	Op ptimal: No nt stressors	Low sedim	nent stre	ssor	Two see	<b>uboptima</b> diment	l: Lo Th	mal w Subopt ree sedim	timal: ient	High Ma Four sec	Marginal: diment	Low sedin	nent stres	sors		ater than esent wit	five sed	diment s		
Sediment	High O sedimer	Or ptimal: No nt stressors t within the	Low sedim prese		ssor the	Two see stressor within th	uboptimal diment rs present ne AA	t stre	mal by Subopt aree sedim ressors pre- thin the AA	timal: ient esent	High Ma Four sec stressors within th	M arginal: diment s present e AA	Low sedin	nent stres ent within	sors			five sed	diment s		CI = 1 Score
Sediment Stressor Presence	High O sedimer present	Or ptimal: No nt stressors t within the	Low sedim prese	nent stre ent within	ssor the	Two see stressor	uboptimal diment rs present ne AA	t stre	mal bw Subopt aree sedim ressors pre	timal: ient esent	High Ma Four sec stressors	M arginal: diment s present e AA	Low sedin prese	nent stres ent within	sors			five sed	diment s	ndary.	Scor
Sediment Stressor	High O sedimer present AA bour	Op ptimal: No nt stressors t within the indary.	Low sedim prese AA bo	nent stre ent within oundary.	ssor the	Two see stressor within the bounda	uboptimal diment rs present ne AA ry.	t Stro wit	mal by Subopt aree sedim ressors pre- thin the AA bundary.	timal: ient esent A	High Ma Four sec stressors within th boundar	M diment s present e AA y.	Low sedin prese boun	nent stres ent within dary.	sors the AA	pre 5	esent wit	five sed	diment s AA bour <b>2</b>	ndary.	Scor
Sediment Stressor Presence SCORE	High O sedimer present AA bour	Op ptimal: No nt stressors t within the indary.	Low sedim prese AA bo	nent stre ent within oundary.	ssor the	Two see stressor within the bounda	uboptimal diment rs present ne AA ry.	t Stro wit	mal www.subopi ree sedim ressors pre- thin the AA undary. 12	timal: lent esent A 11	High Ma Four sec stressors within th boundar	M irginal: diment s present e AA y. 9	Low sedin prese boun	nent stres ent within dary.	sors the AA	pre 5	esent wit	five sed	diment s AA bour <b>2</b>	ndary. 1	
Sediment Stressor Presence SCORE omments: a. Eutro-	High O sedimer present AA bour 20	Or ptimal: No nt stressors within the ndary. 19	Low ( sedim prese AA bo	nent stre ent within oundary. 17	ssor a the 16	Two set stressor within th bounda 15	uboptimal diment rs present re AA ry. 14	I: Lo Th stru boi 13	mal www.subopi ree sedim reesors pre- thin the AA undary. 12 12 C mal	timal: ient esent A 11	High Ma Four sec stressors within th boundar 10	M rginal: diment s present e AA y. 9 9 7 7 M	Eow sedin prese boun 8	nent stres ent within dary. 7	sors the AA 6	5 5	4 Score:	five sed thin the 3	diment s AA bour 2 2	1 20	Scor
Sediment Stressor Presence SCORE omments:	High O sedimer present AA bour 20	Op ptimal: No nt stressors within the ndary. 19	18	nent stre ent within oundary. 17 sors pres	ssor a the 16	Two set stressor within th bounda 15	uboptimal diment rs present ne AA ry. 14 14 Su eutrophica	Lo       Th       Th       stru-       wit       bor       13	mal w Subopi rees sedim reessors pre- thin the AA uundary. 12 C	timal: ient esent A 11	High Ma Four sec stressors within th boundar 10	M rrginal: diment s present e AA y. 9 9	8 arginal	nent stres ent within dary. 7 7 ssors pre	sors the AA 6	5 5	4 Score:	five sed thin the 3	diment s AA bour 2 2 2 5	1 20 s present	Scor
Sediment Stressor Presence SCORE Domments: a. Eutro- phication Stressor	High O sedimer present AA bour 20	Or ptimal: No nt stressors within the ndary. 19 19 eutrophicatic within the	18	nent stre ent within oundary. 17 sors pres	ssor a the 16	Two set stressor within th bounda 15	uboptimal diment rs present ne AA ry. 14 14 Su eutrophica	Lo       Th       Th       stru-       wit       bor       13	mal w Subopt ree sedim ressors pre- thin the AA undary. 12 C mal ressors pr	timal: ient esent A 11	High Ma Four sec stressors within th boundar 10	M irginal: diment s present e AA y. 9 9 ry M eutrophicat	8 arginal	nent stres ent within dary. 7 7 ssors pre	sors the AA 6	5 5	4 Score:	five sed thin the a 3 Poor iication s	diment s AA bour 2 2 2 5	1 20 s present y.	Scor
Sediment Stressor Presence SCORE mments: a. Eutro- phication Stressor Presence SCORE	High OJ sedimer present AA bour 20	Or ptimal: No nt stressors within the ndary. 19 19 eutrophicatic within the	18	nent stre nt within oundary. 17 sors pres ndary.	ssor 16 16	Two set stressor within th bounda 15	uboptimal diment rs present re AA ry. 14 14 Su sutrophica within th	I: Lo Th Strue wit bor 13	mal www.subopp essors pire thin the AA undary. 12 C mal pressors pr poundary.	timal: eent esent A 11 Conditio	High Ma Four sec stressors within th boundar 10	M. rrginal: timent s present e AA y. 9 9 ry M. eutrophicat within the	8 arginal A bou	nent stres ant within dary. 7 5 ssors pre undary.	sors the AA 6 sent	5 S Three	4 Score:	five sed thin the 7 3 Poor ication s the AA b	diment s AA bour 2 2 2 2 2 2 2	1 20 s present y.	Scor
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments:	High OJ sedimer present AA bour 20	Or ptimal: No nt stressors within the indary. 19 0 putrophicatic within the 19	18	nent stre nt within oundary. 17 sors pres ndary.	ssor 16 16	Two set stressor within th bounda 15	uboptimal diment rs present te AA ry. 14 14 Su eutrophice within th 14	I: Lo Th Strue wit bor 13	mal www.Subopi pree sedim resors pre- soundary. 12 C mal rressors pr poundary. 12 C mal C C C C C C C C C C C C C	timal: timal: sent 4 11 condition resent 11	High Ma Four sec stressors within th boundar 10	M. rginal: diment s present e AA y. 9 Py M autrophicat within the 9 ry	8 arginal A bou	nent stres ent within dary. 7 ssors pre undary. 7	sors the AA 6 sent	5 S Three	4 Score:	five sed thin the 7 3 Poor ication s the AA b	diment s AA bour	1 20 s present y.	Scor
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments:	High OJ sedimer present AA bour 20 No e	Or ptimal: No nt stressors within the indary. 19 0 putrophicatic within the 19	Low u sedim prese AA bo 18 n stress AA boui 18 18	17 sors presndary. 17 sors presndary. 17 ty stress	16 seent 16 ors	Two seeds stression within the boundary of the	Uboptimal diment rs present te AA ry. 14 14 Su eutrophice within th 14 Su contamin	L         Lo           The strative strating with boots         13           13         13           13         13           13         13	mal www.Subopi pree sedim resors pre- soundary. 12 C mal rressors pr poundary. 12 C mal C C C C C C C C C C C C C	timal: tent ssent A 11 Conditio resent 11 Condition ssors	High Ma Four sec stressory within th boundar 10 n Catego 10 10 Two of Two	M. rginal: diment s present e AA y. 9 Py M autrophicat within the 9 ry	Low seding press boun seding press bound seding press b	nent stressent within dary. 7 5 ssors pre- undary. 7 city stress	sors sors sore a	pro	4 Score:	five sed thin the / 3 Poor ication s the AA b 3 Poor inant / t	diment s AA bour 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 20 s present y. 1 stressors	Scor
Sediment Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE mments: Contaminant / Toxicity Stressor	High OJ sedimer present AA bour 20 No e	Op ptimal: No it stressors within the indary. 19 00 sutrophicatic within the 19 00 contaminan	Low u sedim prese AA bo 18 n stress AA boui 18 18	17 sors presndary. 17 sors presndary. 17 ty stress	16 seent 16 ors	Two seeds stression within the boundary of the	Uboptimal diment rs present te AA ry. 14 14 Su eutrophice within th 14 Su contamin	L         Lo           The strative strating with boots         13           13         13           13         13           13         13	mal www.subopt pree sedim resors pre- soundary. 12 C mal 12 C mal C mal C mal C mal	timal: tent ssent A 11 Conditio resent 11 Condition ssors	High Ma Four sec stressory within th boundar 10 n Catego 10 10 Two of Two	M. rginal: diment s present e AA y. 9 ry M. autrophicat within the 9 ry M. contamina issent withir 9	Eow sedin prese boun sedin prese boun sedin prese boun sedin prese boun sedin	rent stress ant within dary. 7 ssors pre undary. 7 7 city stress boundar 7	sors 6 sent 6 ors y.	pro	4 Score: e eutroph within t 4 e contam esent wit	five sed thin the / 3 Poor ication s the AA b 3 Poor inant / t	diment s AA bour 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 20 s present y. 1 stressors ndary. 1	Scor 1.(
Sediment Stressor Presence SCORE mments: a. Eutro- phication Stressor Presence SCORE mments: Contaminant / Toxicity Stressor Presence SCORE	High OJ sedimen present 20 20 20	Or ptimal: No nt stressors within the indary. 19 00 putrophicatic within the 19 00 contaminan assent within	A bound of the sediment of the	17 sors pres ndary. 17 sors pres ndary. 17 17 ty stress boundar	16 sent 16 ors ry.	Two sees stressources within th bounda 15 One of 15	uboptimal diment rs present te AA ry. 14 14 Su eutrophica within th 14 Su contamin esent withi	L: Lo     Th     Th     Strat     wit     boy     13	mal www.subopi pree sedim resors pre- soundary. 12 C mal ressors pr poundary. 12 C mal xicitystree AA bounda	timal: ivent seent A 11 Conditio resent 11 Condition ssors ary.	High Ma Four sec stressory within th boundar 10 n Catego 10 10	M. rginal: diment s present e AA y. 9 ry M. autrophicat within the 9 ry M. contamina issent withir 9	Low sedin prese boun sedin prese boun sedin prese boun sedin prese boun sedin	rent stress ant within dary. 7 ssors pre undary. 7 7	sors the AA	5 3 Three 5	4 Score: e eutroph within t 4 e contam esent wit 4 20	Five sed thin the <i>i</i>	diment s AA bour 2 2 2 2 2 2 2 2 2 2 2 3 5 5 5 5 5 5 5 5	1 20 s present y. 1 stressors ndary. 1 Score:	Scor 1.0
Sediment Stressor Presence SCORE mments: a. Eutro- phication Stressor Presence SCORE mments: Contaminant / Toxicity Stressor Presence SCORE	High OJ sedimen present 20 20 20	Or ptimal: No nt stressors within the indary. 19 00 putrophicatic within the 19 00 contaminan assent within	A bound of the sediment of the	17 sors pres ndary. 17 sors pres ndary. 17 17 ty stress boundar	16 sent 16 ors ry.	Two sees stressources within th bounda 15 One of 15	uboptimal diment rs present te AA ry. 14 14 Su eutrophica within th 14 Su contamin esent withi	L: Lo     Th     Th     Strat     wit     boy     13	mal www.subopi pree sedim resors pre- soundary. 12 C mal ressors pr poundary. 12 C mal xicitystree AA bounda	timal: ivent seent A 11 Conditio resent 11 Condition ssors ary.	High Ma Four sec stressory within th boundar 10 n Catego 10 10	M. rginal: diment s present e AA y. 9 ry M. autrophicat within the 9 ry M. contamina issent withir 9	Low sedin prese boun sedin prese boun sedin prese boun sedin prese boun sedin	nent stresent within dary. 7 7 ssors preundary. 7 7 city stress boundar 7 phication	sors the AA	5 3 Three 5	4 Score: e eutroph within t 4 e contam esent wit	Five sed thin the <i>i</i>	diment s AA bour 2 2 2 2 2 2 2 2 2 2 2 3 5 5 5 5 5 5 5 5	1 20 s present y. 1 stressors ndary. 1	Scor

	Pennsy	Ivania Wetla	nd Condit	ion Lev	el 2 Rapid	Assessmen	t	
	•		ocument No.		-			
		Pennsylvania	Department of	of Environ	mental Prote	ection		
			Roadbed V	Norksh	eet			
Project Name / Ide	ntifier		Date	Name(s)	of Evaluato	or(s)		
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:				
	WE-8							
occurrences by the each distance cate category description	gory. The		r each dista				the conditio	
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0
2 Lane Paved	0-100 ft.	1	2	2	100-300 ft.		2	0
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0
Railroad	0-100 ft.		2	0	100-300 ft.		2	0
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores:	0-100 ft.		2		100-300 ft.		0	
Road Comments:								

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		v		N
		Y	#'s	N
Vegetation Alteration				-
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number:			
Hudrologia Madification	Total Number:			
Hydrologic Modification Ditching, tile draining, or other dewatering methods				-
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tatal Number			
Colimontation	Total Number:			
Sedimentation				-
Sediment deposits/plumes Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active selective forestly harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	bargos)			
Other:	laiges)			
Oner.	Total Number:			
Eutrophication	Total Number.			
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.				
Heavy or moderately heavy formation of algal mats				
Other:				
	Total Number:			
Contaminant/Toxicity	Total Number.			
Severe vegetation stress (source unknown or suspected)				
Obvious spills, discharges, plumes, odors, etc.				
Acidic drainages (mined sites, quarries, road cuts)				
Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites				
Chemical defoliation (majority of herbaceous and woody plants affected, within one year)				
Fish or wildlife kills or obvious disease or abnormalities observed				
Excessive garbage/dumping				
Excessive garbage/dumping				
Excessive garbage/dumping Other:	Total Number:			

		•	(	Docume	ndition Level 2 Rapic nt No. 310-2137-002)		ent	
		Pe		•	ment of Environmental Pro			
					ies Presence Worksh	leet		
Are in	vasive species (from	list) present at the site	e in any l	ayer?	YES			
f liste	d species present, er	nter the percent areal of	overage	for ea	ch species below:			
Specie	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
Phalar	is arundinacea	40						
						1		
				1				
otal	k relative cover of all	invasives, collectively	on site		40 %			
					sives/Aggressives L	ist		
	Common Name	Scientific	Status	Code	Common Name		Scientific	Status
ggi2	Redtop	Agrostis gigantea	Status FACW	<b>Code</b> luhe	Common Name Water primrose	Ludwigia h	exapetala	OBLW
ggi2 Igl2	Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Ludwigia h Lysimachia	exapetala vulgaris	OBLW OBLW
ggi2 Igl2 rhi3	Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	StatusFACWFACWFAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia h Lysimachia Lythrum sa	exapetala vulgaris licaria	OBLW OBLW FACW
ggi2 Igl2 rhi3 eth	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	StatusFACWFACWFAC-FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia ho Lysimachia Lythrum sa Marsilea qu	exapetala vulgaris licaria uadrifolia	OBLW OBLW FACW OBLW
ggi2 Igl2 rhi3 eth evu	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	StatusFACWFACWFAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegiu	exapetala vulgaris licaria uadrifolia um vimineum	OBLW OBLW FACW
ggi2 Igl2 rhi3 eth evu utom	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia ho Lysimachia Lythrum sa Marsilea qu	exapetala vulgaris licaria uadrifolia um vimineum officinale	OBLW OBLW FACW OBLW FAC
ggi2 lgl2 rhi3 eth evu utom alli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia ho Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW
ggi2 lgl2 rhi3 eth evu utom alli6 gde	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ara Phragmites Poa trivialis	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phragmites Poa trivialis Polygonum Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC-
ggi2 lgl2 eth evu utom alli6 gde lan lum phi ppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia hu Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phragmites Poa trivialis Polygonum Pueraria loo	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pogpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lou Pyrus sp.	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACW           OBLW           OBLW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp. Rhamnus fi	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FAC           FAC           FAC-           FAC-           FAC?           FAC-           FAC-           FAC-
ggi2 Igl2 rhi3 eth evu utom alli6 gde lan lum ppa5 asa Idi ola uja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus Humulus japonicus	Status           FACW           FACW           FACW           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACU           FACW           OBLW           FAC           FAC           FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 phau7 potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phalaris ard Phagmites Poa trivialis Polygonum Pulygonum Pueraria lou Pyrus sp. Rhamnus fi Rosa multij	exapetala vulgaris licaria uadrifolia im vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC-           FAC-
algl2 arhi3 beth bevu butom calli6 egde elan elum ephi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops Japanese honeysuckle	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACW           OBLW           OBLW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegia Nasturtium Persicaria lu Phalaris ard Phragmites Poa trivialis Polygonum Pulygonum Pueraria lo Pyrus sp. Rhamnus fi	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata cangula istifolia	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FAC           FAC           FAC           FAC-           FAC-           FAC?           FAC-           FAC-

			) ennsylvania	Documei a Departr	ndition Level 2 Rapid nt No. 310-2137-002) ment of Environmental Prof es Presence Worksh	tection		
Aro in	vasivo sposios (from	list) present at the site			YES			
			-	-				
		nter the percent areal of			•			
Speci	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Specie	es Code <5%	≥ 5-20% ≥ 2	0 - 50%	≥ 50%
Phala	ris arundinacea	40						
						1		
			Comm	on Inva	sives/Accresives L	ict		
Code	Common Name	Scientific	Commo Status	on Inva Code	isives/Aggressives Li Common Name		ntific	Status
	Common Name Redtop	<b>Scientific</b> Agrostis gigantea			00			Status OBLW
ggi2			Status	Code	Common Name	Scier	etala	
ggi2 Igl2	Redtop	Agrostis gigantea	Status FACW	<b>Code</b> luhe	Common Name Water primrose	Scier Ludwigia hexape	etala aris	OBLW
nggi2 nggi2 ngl2 nrhi3	Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Scier Ludwigia hexape Lysimachia vulgo	etala aris a	OBLW OBLW
iggi2 ilgl2 irhi3 oeth	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	StatusFACWFACWFAC-FACWFACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vii	etala aris a folia mineum	OBLW OBLW FACW OBLW FAC
iggi2 ilgl2 irhi3 oeth oevu outom	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic	etala aris a folia mineum innele	OBLW OBLW FACW OBLW FAC OBLW
aggi2 algl2 arhi3 oeth oevu outom calli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic. Persicaria longis	etala aris a folia mineum cinale seta	OBLW OBLW FACW OBLW FAC OBLW FACW
Code aggi2 algl2 arhi3 oeth oevu outom calli6 egde	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin	etala aris a folia mineum cinale eta accea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
aggi2 algl2 arhi3 beth bevu butom calli6 egde elan	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust	etala aris a folia mineum cinale eta accea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW
aggi2 algl2 arhi3 oeth oevu outom calli6 egde elan elum	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust Poa trivialis	etala aris a folia mineum cinale eta acea ralis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
aggi2 algl2 arhi3 peth pevu putom calli6 egde elan elum ephi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust Poa trivialis Polygonum (Falo	etala aris a folia mineum cinale eeta acea tralis bia) cuspidatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACC
eggi2 Ilgl2 Irhi3 Deth Deth Detu Dutom alli6 egde Ilan Ilum ephi eppa5	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust Poa trivialis	etala aris a folia mineum cinale eeta acea tralis bia) cuspidatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
aggi2 algl2 arhi3 beth bevu butom calli6 egde elan elum ephi eppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicario Marsilea quadrif Microstegium vin Nasturtium offic. Persicaria longis Phalaris arundin Phragmites aust Poa trivialis Polygonum (Falo Polygonum perfo	etala aris a folia mineum cinale eeta acea tralis bia) cuspidatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FAC-           FAC-
aggi2 arhi3 peth pevu putom calli6 egde elan	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicaria Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust Poa trivialis Polygonum (Falo Polygonum perfo Pueraria lobata	etala aris a folia mineum cinale eeta acea tralis bia) cuspidatum oliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FAC-           FAC-           FAC-
aggi2 algl2 arhi3 beth bevu butom calli6 cgde elan elum eppa5 asa gldi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status           FACW           FACW           FAC-           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicaria Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust. Poa trivialis Polygonum (Falo Polygonum perfo Pueraria lobata Pyrus sp.	etala aris a folia mineum cinale eeta acea tralis bia) cuspidatum oliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FAC           FAC-
aggi2 arhi3 beth bevu butom calli6 egde elan elum ephi eppa5 asa gldi hola huja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           OBLW           FACW           OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicaria Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust. Poa trivialis Polygonum (Falo Polygonum perfo Pueraria lobata Pyrus sp. Rhamnus frangu	etala aris a folia mineum cinale seta accea tralis bia) cuspidatum oliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC           FAC           FAC           FAC-
aggi2 arhi3 beth bevu butom calli6 egde elan elum ephi eppa5 asa gldi nola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC           FACW           OBLW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           FACW           FACW           FACW           OBLW           FAC           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1 rhfr romu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Scier Ludwigia hexape Lysimachia vulgo Lythrum salicaria Marsilea quadrif Microstegium vin Nasturtium offic Persicaria longis Phalaris arundin Phragmites aust. Poa trivialis Polygonum (Falo Polygonum perfo Pueraria lobata Pyrus sp. Rhamnus frangu Rosa multiflora	etala aris a folia mineum cinale seta accea tralis bia) cuspidatum oliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC           FAC           FAC-           FAC-

			Wetland C	Condition A	Assessme	nt Form			
		Pennsylvan				cument No. 310-2	137-002)		
			-	•	Environmental Pr				
Project #		For use in all wetland Project Name	d classifications four	d within Pennsyvlan Date	hia except those four Proposed Impact S		f a watercourse.	AA Size (acres)	
FIUJECI #		River Pointe	2	10/02/22	0.104	120 (00103)	WE-14	1.27	
lame(s) of Eval	uator(s)		Lat (dd)	Long (dd)	Notes:		VVL-14	1.27	L
Stephen Dadi			40.904180	-75.093343					
General Com	ments:			101000010	1				
. Wetland Zone	e of Influence Cond	ition Index		Conditio	n Category				
Wetland Zone	Op	otimal	Subo	ptimal		rginal	P	oor	
of Influence 300 foot area		ion consists of a tree	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	L
around AA		(diameter at breast ches) with greater than	ZOI area vegetation consists of a tree	ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or equal to 60%	tree canopy cover.	stratum (dbh > 3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	
		of stream channels,	inches) present,	inches) present,	herbaceous	herbaceous	maintained areas,	lands, denuded	
		ess of classification or ustrine resources ≥ 10	with greater than or equal to 30% and	with greater than or equal to 30% and	vegetation with either a shrub laver	vegetation, riparian areas lacking shrub	nurseries; no-till cropland; actively	surfaces, row crops, active feed lots,	
		ored as optimal.	less than 60% tree	less than 60% tree	or a tree stratum	and tree stratum,	grazed pasture,	impervious trails, or	
			canopy cover and	canopy cover with a	(dbh > 3 inches)	areas of hay	sparsely vegetated	other comparable	
			containing both herbaceous and	maintained understory.	present, with less than 30% tree	production, and ponds or open water	non-maintained area, pervious trails.	conditions.	
			shrub layers or a	understory.	canopy cover.	areas (< 10 acres).	recently seeded and		CI = Total
			non-maintained			If trees are present,	stabilized, or other		CI = 1 otal Score/20
			understory.			tree stratum (dbh > 3 inches) present, with	comparable condition.		
						less than 30% tree	condition.		
						canopy cover with			
						maintained understory.			
						_			
SCORE . Identify all ap		18 17 16 ategory areas within the		13 12 11	10 9 8 criptors above.	376	5 4	3 2 1	-
. Estimate the	% area within each o 201 Area in decimal t	condition category. Ca form (0.00) and Score	alculators are provided	d for you below.		Total So	core = SUM(%Areas*	Scores)	
	Condition Category % ZOI Area:	0%	0%	0%	0%	80%	20%	Total Score:	
Scoring:	Score:	0	0 //8	0	0	4	2078	Total Scole.	_
j.	Total Sub-score:	0.00	0.00	0.00	0.00	3.20	0.40	3.60	0.18
2. Roadbed Pres	sence Index			Condition	Categories				
a. Roadbed		otimal		ptimal	Mar	rginal	P	oor	
Presence within 0 - 100	High Optimal: No		High Suboptimal:		High Marginal:	Low Marginal:	High Poor:	Low Poor:	
	roadbeds present within 100 feet of	Roadbed presence score within 0-100	score within 0-100	Roadbed presence score within 0-100	Roadbed presence score within 0-100		Roadbed presence score within 0-100		
	the AA boundary	feet of the AA			foot distance of the			foot distance of the	
		boundary equal to	AA boundary is	AA boundary is	AA boundary is	AA boundary is	AA boundary is	AA boundary is	
		or less than 2.				greater than to 8 but less than or equal to	greater than 10 but less than or equal to		
			4.	6.	8.	10.	12.		
SCORE	20 19	18 17 16	15 14 1	13 12 11	10 9	8 7 6	5 4	3 2 1	
,									
	<u> </u>	<u> </u>		Condition	Categories				
. Roadbed		otimal		ptimal		rginal		oor	
Presence within 100 -	High Optimal: No roadbeds present		High Suboptimal: Roadbed presence	Low Suboptimal: Roadbed presence	High Marginal: Roadbed presence	Low Marginal: Roadbed presence	High Poor: Roadbed presence	Low Poor: Roadbed presence	
300 foot	within 100 - 300 fee	et score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	score within 100 -	
Netland ZOI	of the AA boundary	300 feet of the AA	300 feet of the AA	300 feet AA	300 feet of the AA	300 feet of the AA	300 feet of the AA	300 feet of the AA	CI = Total
		boundary equal to or less than 2.	boundary is greater than to 2 but equal	boundary is greater than to 4 but less	boundary is greater than to 6 but less	boundary is greater than to 8 but less	boundary is greater than to 10 but less	boundary is greater than 12.	Score/20
			to or less than 4.	than or equal to 6.	than or equal to 8.	than or equal to 10.	than or equal to 12.		
		40 47 40	15 14 1	13 12 11	10 9	8 7 6	5 4	3 2 1	
	20 19	18 17 16				Condition Score	Weighting	Sub-Scores	
listance)	20 19	18 17 16		r					
listance)	20 19	18 17 16			a. Roadbed 0-100:	20	* (0.67)	13	
listance)	20 19	18 17 10	•	t	a. Roadbed 0-100: b. Roadbed 100-300:	20 16	* (0.33)	5	0.93
distance)	20 19	18 17 10	•	k					0.93

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

		n Index																			
. Vegetation C	ondition								С	onditio	n Catego	ry									
a. Invasive		0	otimal					boptim					arginal					Poor			
Species Presence		ptimal: No		Optimal			iboptimal		w Subopt		High Ma			Margina		> 50%	6 of the to			s invasive	
Flesence	invasive	es present.		e total A/ ains inva ies.		10% of contains	t less thar the total A s invasive	A 209 cor	0% but les % of the to ntains inva	otal AA	30% of t contains	ut less than he total An invasive	A the t	ess than otal AA c sive spec	ontains			species	S.		
SCORE	20	19	18	17	16	species 15	14	spe 13	ecies. 12	11	species. 10	9	8	7	6	5	4	3	2	1	
mments:																					
									с	onditio	n Catego	ry									
. Vegetation			otimal		-			boptin					arginal			-		Poor			
Stressor Presence	vegetat	ptimal: No tion stressor t within the undary.	s vege prese	Optimal etation str ent within oundary.	essor the	Two veg	s present ne AA	Thr stre with	w Subopt ree vegeta essors pre hin the AA undary.	ation esent	High Ma Four veg stressors within th boundar	petation s present e AA	vege pres	Margina etation str ent within ndary.	essors		ter than f esent wit				CI = T Score
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
omments:														sive Sub				4	Total	Score	0.6
												b.	Vegeta	tion Sub	Score:			20	2	24	
Hydrologic N	Aodificat	tion Index								onditio	n Catego	<b>P</b> /									
			otimal					boptin	nal			М	arginal					Poor			
Hydrologic Modification Stressor Presence	hydrolo	ptimal: No ogic stressor t within the undary.	s hydro prese	Optimal ologic str ent withir oundary.	essor the	Two hye	rs present ne AA	Thr stre with	w Subopt ree hydrol essors pre hin the AA undary.	logic esent	High Ma Four hyd stressors within th boundar	drologic s present e AA	hydr pres	Margina ologic stro ent within ndary.	essors		iter than f esent wit				CI = T Score
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
	20	10	10	.,	10	10	14	10	12		10	3	•	•	•		- Score:			:0	1.0
omments:	ressor In	ndex								onditio	n Catego	rv									_
Sediment Str	High O sedime	O ptimal: No ent stressors	sedir	Optimal nent stre	ssor	Two see	<b>iboptimal</b> diment	Thr	n <b>al</b> w Subopt ree sedim	timal: ent	n Catego High Ma Four sec	M Irginal: diment	sedi	Margina ment stre	sors	Grea	ater than esent wit		liment st		CI = T Score
Sediment Str Stressor Presence	High O sedime present AA bou	Op <u>ptimal</u> : No ent stressors t within the undary.	Low sedir prese AA b	ment stre ent withir oundary.	ssor the	Two see stressor within th bounda	uboptimal diment rs present ne AA ry.	: Lov Thr stre with bou	nal w Subopt ree sedim essors pre hin the AA undary.	timal: ient esent A	High Ma Four sec stressors within th boundar	M arginal: diment s present e AA y.	Low sedii pres bour	Margina ment stree ent within ndary.	ssors the AA	Grea	ater than esent wit	five sed	liment st AA bour	ndary.	
Sediment Str Sediment Stressor	High O sedime present	O ptimal: No ent stressors t within the	Low sedir prese	ment stre ent withir	ssor the	Two see stressor within th	<b>Iboptimal</b> diment is present ne AA	: Lov Thr stre with	nal w Subopt ree sedim essors pre hin the AA	timal: ient esent	High Ma Four sec stressors within th	M arginal: diment s present e AA	Low sedi pres	Margina ment stre ent within	sors	Grea pro	ater than	five sed	liment st AA bour 2	ndary.	CI = T Score
Sediment Str Stressor Presence SCORE mments:	High O sedimen present AA bou 20	O ptimal: No th stressors t within the undary. 19	Low sedir prese AA b 18	nent stre ent withir poundary. 17	ssor a the 16	Two set stressor within th bounda 15	uboptimal diment 's present ne AA ry. 14 14	E Lon Thr stre with bou 13	nal w Subopt ree sedim sssors pre- hin the AA undary. 12 12 C nal	timal: eent esent A 11	High Ma Four sec stressors within th boundar 10	M rrginal: diment s present e AA y. 9 9	8	Margina ment stre ent within idary. 7	isors the AA 6	Grea pro 5	ater than esent wit 4 Score:	five sed hin the 3 Poor	liment st AA bour 2 2	ndary. 1 20	Scor
Sediment Str Stressor Presence SCORE SCORE omments:	High O sedime present AA bou 20	O ptimal: No in stressors t within the undary. 19 0 eutrophicatic within the	18	nent stre ent within ioundary.	ssor 16 16	Two set stresso within th bounda 15	uboptimal diment is present te AA ry. 14 14 Su sutrophica within the	Lon Thr stree with bou 13	nal w Subopt ree sedim assors pre- 12 12 C nal ressors pr bundary.	timal: eent essent A 11 Conditio	High Ma Four sec stressors within th boundar 10	M rrginal: timent s present e AA y. 9 9 9 7 7 M M eutrophica within the	8 arginal tion stree	Margina ment stre ent within idary. 7 7 essors pre undary.	ssors the AA 6 sent	Great pro 5	ater than essent wit 4 Score: • eutroph within t	five sed hin the A 3 Poor ication s the AA b	diment st AA bour 2 2 stressors poundary	1 20 s present y.	Scor
Sediment Str Stressor Presence SCORE omments: a. Eutro- phication Stressor	High O sedimen present AA bou 20	O ptimal: No int stressors int within the indary. 19 0 outrophicatic	Low sedir prese AA b 18	nent stre ent withir oundary. 17 17 ssors pres	ssor a the 16	Two set stressor within th bounda 15	uboptimal diment s present ne AA ry. 14 14 Su sutrophica	E Loo Thr stre with bou 13	nal w Subopt ree sedim essors pre- sors pre- nal ressors pr	timal: eent esent A 11	High Ma Four sec stressors within th boundar 10	M rrginal: diment s present e AA y. 9 9 ry M eutrophica	8 arginal	Margina ment stre ent within ndary. 7 7	isors the AA 6	Grea pro 5	ater than esent wit 4 Score:	five sed hin the a 3 Poor ication s	diment st AA bour 2 2 stressors	1 20 s present y.	Scor
Sediment Str Stressor Presence SCORE mments: a. Eutro- phication Stressor Presence SCORE mments:	High O sedime present AA bou 20	O ptimal: No in stressors t within the indary. 19 O outrophication within the 19	18	nent stre ent within ioundary.	ssor 16 16	Two set stresso within th bounda 15	Iboptimal diment 's present te AA ry. 14 14 Su sutrophica within the 14	Lon Thr stree with bou 13	nal w Subopt ree sedim sesors pro- hin the AA undary. 12 C C nal reessors pr poundary. 12 C C C C C C C C C C C C C C C C C C	timal: essent A 11 condition essent 11	High Ma Four sec stressors within th boundar 10	M rginal: diment s present e AA y. 9 Py M M sutrophica within the 9 ry	8 arginal tion stree	Margina ment stre ent within idary. 7 7 essors pre undary. 7	ssors the AA 6 sent	Great pro 5	ater than essent wit 4 Score: • eutroph within t	five sed hin the A 3 Poor ication s the AA b	liment si AA bour	1 20 s present y.	Scor
Sediment Str Stressor Presence SCORE mments:	High O sedimer present AA bou 20	O ptimal: No in stressors t within the indary. 19 O outrophication within the 19	Low sedin prese AA b AA b 18	nent stre ent withir soundary. 17 ssors pre- indary. 17 17 ity stress	ssor the 16 sent 16 ors	Two set stressol within th bounda 15 One of 15	Iboptimal diment 's present te AA ry. 14 14 Su sutrophica within the 14	Loo Thrank the with bound 13 boptin 13 boptin 13 boptin 13 boptin 13 boptin 13 boptin 13 boptin 13 boptin 14 bound 14 bound 15 15 bound 15 15 15 15 15 15 15 15	nal w Subopt ree sedim ssors pro- bin the AA undary. 12 C nal C C nal C C nal xicitystres	timal: ent ssent A 11 conditio resent 11	High Ma Four sec stressory within th boundar 10 n Catego 10 10 Two of Two	M rginal: diment s present e AA y. 9 Py M M sutrophica within the 9 ry	Eow sedia press bour sedia press bour sedia press bour sedia press bour sedia press sed	Margina ment stre ent within idary. 7 essors pre undary. 7 7	ssors sors	Greampro	ater than essent wit 4 Score: • eutroph within t	five sed hin the / 3 Poor ication s ication s 3 Poor	timent st AA bour 2 2 2 3 5 tressors 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0 0	1 30 s present y. 1	Scor
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Pennsylvania Wetland Condition Level 2 Rapid Assessment									
(Document No. 310-2137-002)									
Pennsylvania Department of Environmental Protection									
Roadbed Worksheet									
Project Name / Identifier Date Name(s) of Evaluator(s)									
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:					
	WE-14								
Roadbeds: Record the number of occurrences by roadbed type and distance category. Multiply the number of occurrences by the weighting factors for each roadbed type and distance category then sum the total score for each distance category. The total scores for each distance category are then compared to the condition category descriptions.									
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score	
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0	
2 Lane Paved	0-100 ft.		2	0	100-300 ft.	1	2	2	
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0	
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0	
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0	
Railroad	0-100 ft.		2	0	100-300 ft.		2	0	
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4		
Total Scores:	0-100 ft.		0		100-300 ft.		2		
Road Comments:									

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET	ļ	Y		N
		I	#'s	
Vegetation Alteration				
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number			
Hudrologia Madification	Total Number:			
Hydrologic Modification				
Ditching, tile draining, or other dewatering methods				
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tetel Newslaw			
On Presentation	Total Number:			
Sedimentation				
Sediment deposits/plumes				
Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment discl	larges)			
Other:	Total Number			
	Total Number:			
Eutrophication				
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats				
Other:	Total Number			
Other:	Total Number:			
Other: Contaminant/Toxicity	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc.	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed Excessive garbage/dumping	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	Total Number:			

								2/4/20
		Pe	) ennsylvania	Docume a Departi	ndition Level 2 Rapic nt No. 310-2137-002) ment of Environmental Pro	tection	ent	
			Invasive	e Speci	es Presence Worksh	eet		
Are in	vasive species (from	list) present at the site	e in any l	ayer?	YES			
f liste	d species present, er	nter the percent areal c	overage	for ea	ch species below:			
Speci	ies Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
Phala	ris arundinacea	50						
	multiflora	10						
		<b>↓</b>						
		<b>↓</b>		I				
		<b>↓</b>		<u> </u>				
Fotal <sup>•</sup>	% relative cover of all	I invasives, collectively	on site:	:	<u>60 </u> %			
	nents:							
			Commo	on Inva	sives/Aggressives L	ist		
Code		Scientific	Commo Status	on Inva Code	sives/Aggressives L Common Name	ist	Scientific	Status
		Scientific Agrostis gigantea				ist Ludwigia he		Status OBLW
Code aggi2	Common Name	-	Status	Code	Common Name		exapetala	
Code nggi2 nlgl2	Common Name Redtop	Agrostis gigantea	Status FACW	<b>Code</b> luhe	Common Name Water primrose	Ludwigia he	exapetala vulgaris	OBLW
Code Iggi2 Ilgl2 Irhi3	<b>Common Name</b> Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife	Ludwigia he Lysimachia	exapetala vulgaris licaria	OBLW OBLW
Code ggi2 lgl2 rhi3 beth bevu	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia he Lysimachia Lythrum sai Marsilea qu Microstegiu	exapetala vulgaris licaria iadrifolia im vimineum	OBLW OBLW FACW OBLW FAC
Code ggi2 Igl2 rhi3 eeth eevu outom	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia he Lysimachia Lythrum sai Marsilea qu Microstegiu Nasturtium	exapetala vulgaris licaria ladrifolia Im vimineum officinale	OBLW OBLW FACW OBLW FAC OBLW
Code ggi2 ilgl2 irhi3 beth bevu butom ialli6	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia he Lysimachia Lysimachia Marsilea qu Microstegiu Nasturtium Persicaria la	exapetala vulgaris licaria ladrifolia um vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW FAC
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia he Lysimachia Lythrum sai Marsilea qu Microstegiu Nasturtium Persicaria la Phalaris aru	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea	OBLW OBLW FACW OBLW FAC OBLW FAC FACW FACW
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde elan	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria la Phalaris aru Phragmites	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW OBLW
Code aggi2 algl2 arhi3 beth bevu butom calli6 egde elan elum	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
Code aggi2 algi2 arhi3 oeth oevu outom calli6 egde elan elum ephi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FACW FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria le Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC-
Code Iggi2 Igl2 Irhi3 Deth Devu Dutom Ialli6 Igde Ilan Ilum Igphi Igpp5	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria le Phalaris aru Phragmites Poa trivialis Polygonum Polygonum	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC-
Code aggi2 arhi3 oeth outom calli6 egde elan elum eppa5 asa	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC-
Code ggi2 lgl2 rrhi3 peth pevu uutom alli6 gde elan elum ephi eppa5 asa gldi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp.	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC- FAC- FAC- FAC-
Code aggi2 arhi3 oeth oevu outom calli6 egde elan elum ephi eppa5 asa agldi nola	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lo Pyrus sp. Rhamnus fr	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC- FAC- FAC- FAC-
Code ggi2 lgl2 rrhi3 peth pevu putom alli6 ggde elan elum ephi eppa5 asa gldi nola nuja	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus Humulus japonicus	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp.	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata angula lora	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC- FAC- FAC- FAC-
Code aggi2 arhi3 oeth oevu outom calli6 egde elan elum ephi eppa5	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACW OBLW OBLW FAC FACU FAC FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia he Lysimachia Lythrum sau Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lo Pyrus sp. Rhamnus fr Rosa multif	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata angula lora istifolia	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC- FAC- FAC- FAC-

			Wetland C	Jonation	Assessme	nt Form			
		Pennsylvani	a Wetland Condit	ion Level 2 Rapic	I Assessment (Do	ocument No. 310-2	137-002)		
		_	-	ia Department of					
Project #	F	For use in all wetland Project Name	classifications foun	d within Pennsyvlar Date	ia except those four Proposed Impact S	nd within the banks o ize (acres)	f a watercourse.	AA Size (acres)	
		<b>River Pointe</b>	)	10/02/22	0.120		WE-24	0.17	
Name(s) of Eva			Lat (dd)	Long (dd)	Notes:				
Stephen Dad			40.902510	-75.090065					
General Com	ments:								
1. Wetland Zone	e of Influence Condi	tion Index			_				
Wetland Zone	Opt	timal	Subo	Conditio ptimal	n Category Ma	rginal	P	oor	
of Influence	ZOI area vegetatio	on consists of a tree	High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	
(300 foot area around AA perimeter)	height (dbh) > 3 inch or equal to 60% t Areas comprised o wetlands (regardles	(diameter at breast hes) with greater than tree canopy cover. of stream channels, ss of classification or	ZOI area vegetation consists of a tree stratum (dbh > 3 inches) present, with greater than or	consists of a tree stratum (dbh > 3 inches) present, with greater than or	ZOI area vegetation consists of non- maintained, dense herbaceous vegetation with	area vegetation consists of non- maintained, dense herbaceous vegetation, riparian	area vegetation consists of lawns, mowed, and maintained areas, nurseries; no-till	vegetation consists of impervious surfaces; mine spoil lands, denuded surfaces, row crops,	
	condition) and lacu	strine resources ≥ 10 red as optimal.	equal to 30% and	equal to 30% and less than 60% tree canopy cover with a maintained understory.	either a shrub layer or a tree stratum (dbh > 3 inches) present, with less than 30% tree canopy cover.	areas lacking shrub and tree stratum, areas of hay production, and ponds or open water areas (< 10 acres). If trees are present, tree stratum (dbh > 3	cropland; actively grazed pasture, sparsely vegetated non-maintained area, pervious trails, recently seeded and stabilized, or other	active feed lots, impervious trails, or other comparable conditions.	CI = Tota Score/20
						inches) present, with less than 30% tree canopy cover with maintained understory.	condition.		
SCORE		18 17 16		3 12 11		8 7 6	5 4	3 2 1	
	% area within each co	ategory areas within the ondition category. Ca	lculators are provided	for you below.	chptors above.	Total S	core = SUM(%Areas*	Scores)	
3. Enter the % 2	ZOI Area in decimal fo Condition Category:	orm (0.00) and Score	for each category in t	he blocks below.				]	
	Condition Category: % ZOI Area:	0%	0%	0%	0%	80%	20%	Total Score:	
Scoring:	Condition Category:				0% 0 0.00	80% 4 3.20	20% 10 2.00	Total Score: 5.20	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No	0% 0 0.00	0% 0 0.00 <u>High Suboptimal</u> : Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but	0% 0 0.00 Condition ptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but	0 0.00 Categories High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu	4 3.20 rginal Low Marginal: Roadbed presence	10 2.00	5.20 5.20	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland ZOI distance)	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.	0% 0 0.00 <u>Notesting</u> <u>High Suboptimal</u> : Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4.	0% 0 0.00 0.00 <u>ptimal</u> <u>Low Suboptimal:</u> Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but less than or equal to 6.	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8.	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 8 but	10 2.00 Pright Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12.	5.20 5.20	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland ZOI distance)	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.	0% 0 0.00 <u>Notesting</u> <u>High Suboptimal</u> : Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4.	0% 0 0.00 0.00 <u>ptimal</u> <u>Low Suboptimal:</u> Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but less than or equal to 6.	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8.	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10.	10 2.00 Pright Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12.	5.20 5.20	0.26
Scoring: Comments: 2. Roadbed Pre 4. Roadbed Presence within 0 - 100 oot Wetland 201 distance) SCORE %	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2. 18 17 16	0% 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the score within 0-100 foot distance of the A boundary is greater than to 2 but equal to or less than 4. 15 14 1	0% 0 0 0.00 Condition ptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but less than or equal to 6. 3 12 11 Condition	0 0.00 Categories High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6	10 2.00 Preference score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4	5.20 Coor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 ioot Wetland ZOI distance) SCORE %	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index Migh Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 Page 1	0%         0         0.00         0.00         timal         Low Optimal:         Roadbed presence         score within 0-100         feet of the AA         boundary equal to         or less than 2.         18       17         18       17         timal         Low Optimal:	0% 0 0.00 <u>0.00</u> <u>High Suboptimal:</u> Roadbed presence score within 0-100 food distance of the AA boundary is greater than to 2 but equal to or less than 4. <u>15 14 1</u>	Condition	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories Categories Ma High Marginal:	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal:	10         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         greater than 10 but         less than or equal to         12.         5       4         High Poor:	5.20 Door Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 3 2 1 Door Low Poor:	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland ZOI distance) SCORE %	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 High Optimal: No roadbeds present	timal Control	0% 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4. 15 14 1 Suboptimal: Roadbed presence	Condition	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories Ma	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence	10 2.00 2.00 Presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 9 Presence 5 4	5.20 boor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 3 2 1 boor Low Poor: Roadbed presence	0.26
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland COI distance) SCORE % b. Roadbed Presence within 100 - 300 foot Wetland ZOI	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.  It 17 If 16 If 17 If	0% 0 0 0.00 Value of the second secon	0%         0         0.00         0.00         ptimal         Low Suboptimal:         Roadbed presence         score within 100 -         foot distance of the         AA boundary is         greater than to 4 but         less than or equal to         6.         3       12         The         Condition         ptimal         Low Suboptimal:         Roadbed presence         score within 100 -         300 feet AA         boundary is greater         than to 4 but less	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Ma High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 6 but less	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 8 but less	10         2.00         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         Aboundary is         greater than 10 but         less than or equal to         12.         5       4         F         High Poor:         Roadbed presence         score within 100 -         300 feet of the AA         boundary is greater         than to 10 but less	5.20 Door Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 3 2 1 Door Low Poor:	Cl = Tot
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland COI distance) SCORE %	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 High Optimal: No roadbeds present within 100 - 300 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.  Is 17 16  timal Low Optimal: Roadbed presence t score within 100 - 300 feet of the AA boundary equal to	0% 0 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4. 15 14 15 14 Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	0% 0 0 0.00 Condition ptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but less than or equal to 6. 3 12 11 Condition ptimal Low Suboptimal: Roadbed presence score within 100 - 300 feet AA boundary is greater	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Ma High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.	4 3.20 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is to reater than to 8 but to less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater	10         2.00         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         Aboundary is         greater than 10 but         less than or equal to         12.         5         4         High Poor:         Roadbed presence         score within 100 -         300 feet of the AA         boundary is greater         than to 10 but less         than or equal to 12.	5.20 bor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 boundary is greater than 10. 3 2 1 boundary is greater Low Poor: Roadbed presence score within 100 - 300 feet of the AA boundary is greater	Cl = Tot
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance) SCORE %	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 High Optimal: No roadbeds present within 100 - 300 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.  Is 17 16 timal Low Optimal: Roadbed presence t score within 100 - 300 feet of the AA boundary equal to or less than 2.	0% 0 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4. 15 14 15 14 Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	0%         0         0.00         Condition         ptimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         A boundary is         greater than to 4 but         less than or equal to         6.         Condition         ptimal         Low Suboptimal:         Roadbed presence         score within 100 -         300 feet AA         boundary is greater         than to 4 but less         than to 4 but less         than or equal to 6.	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories Ma High Marginal: Roadbed presence score within 100 300 feet of the AA boundary is greater than to 6 but less than or equal to 8. 10 9	4         3.20         rginal         Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10.         8       7       6         rginal         Low Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 8 but less than or equal to 10.         8       7       6         Condition Score	10         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         A boundary is         greater than 10 but         less than or equal to         12.         5         4         Score within 100-         300 feet of the AA         boundary is greater         than to requal to 12.         5       4         Weighting	5.20 oor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 oor Low Poor: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than 12.	Cl = Tot
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance) SCORE % b. Roadbed Presence (within 100 - 300 foot Wetland ZOI distance)	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 High Optimal: No roadbeds present within 100 - 300 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.  Is 17 16 timal Low Optimal: Roadbed presence t score within 100 - 300 feet of the AA boundary equal to or less than 2.	0% 0 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4. 15 14 15 14 Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	0%         0         0.00         Condition         ptimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         greater than to 4 but         less than or equal to         6.         13       12         Low Suboptimal:         Roadbed presence         score within 100-         300 feet AA         boundary is greater         than to 4 but less         than to 4 but less         than to 4 but less         12       11	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories Ma High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8. 10 9 a. Roadbed 0-100:	4         3.20         rginal         Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 8 but less than or equal to 10.         8       7       6         rginal         Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 8 but less than or equal to 10.         8       7       6         Condition Score 20	10         2.00         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         greater than 10 but         less than or equal to         12.         5       4         PHigh Poor:         Roadbed presence         score within 100         300 feet of the AA         boundary is greater         than to 10 but less         than or equal to 12.         5       4         Weighting         * (0.67)	5.20 boor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 boor Low Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than 12. 3 2 1 Sub-Scores 13	Cl = Tota Score/2
Scoring: Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance) SCORE % b. Roadbed Presence (within 100 - 300 foot Wetland ZOI distance)	Condition Category: % ZOI Area: Score: Total Sub-score: sence Index High Optimal: No roadbeds present within 100 feet of the AA boundary 20 19 1 High Optimal: No roadbeds present within 100 - 300 feet of the AA boundary	timal Low Optimal: Roadbed presence score within 0-100 feet of the AA boundary equal to or less than 2.  Is 17 16 timal Low Optimal: Roadbed presence t score within 100 - 300 feet of the AA boundary equal to or less than 2.	0% 0 0 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 but equal to or less than 4. 15 14 15 14 Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	0%         0         0.00         Condition         ptimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         greater than to 4 but         less than or equal to         6.         13       12         Low Suboptimal:         Roadbed presence         score within 100-         Dott less         than to 4 but less         than to 5         3         12	0 0.00 Categories Ma High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bu less than or equal to 8. 10 9 Categories Ma High Marginal: Roadbed presence score within 100 300 feet of the AA boundary is greater than to 6 but less than or equal to 8. 10 9	4         3.20         rginal         Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10.         8       7       6         rginal         Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 8 but less than or equal to 10.         8       7       6         Condition Score	10         2.00         High Poor:         Roadbed presence         score within 0-100         foot distance of the         A boundary is         greater than 10 but         less than or equal to         12.         5         4         Score within 100-         300 feet of the AA         boundary is greater         than to requal to 12.         5       4         Weighting	5.20 bor Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12. 3 2 1 boor Low Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than 12. 3 2 1 Sub-Scores	Cl = Tot

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Pennsylvania Department of Environmental Protection

b. Vegetation Sub-Score:       20         b. Vegetation Sub-Score:       20         b. Vegetation Sub-Score:       20         4. Hydrologic Modification Index         Condition Category         Hydrologic True Nydrologic Stressors present within the AA boundary.       A boundary.       High Suboptimal Marginal: Two Nydrologic Stressors present within the AA boundary.         SCORE       20       19       18       17       No Nydrologic Stressors present within the AA boundary.         SCORE       20       19       18       17       16       14       13       12       Optimal Marginal: Two Sydrologic Stressors present within the AA boundary.         Score:       Score:       Score:       Score:         Condition Category         Score:       Score:       Score:         Score:       Score:       Score:       Score:         Score:       Score:       Score:         Score:       Score: <th colspa<="" th=""><th>2 1 on stressors poundary. 2 1 otal Score 22 gic stressors</th><th>CI = To Score 0.55</th></th>	<th>2 1 on stressors poundary. 2 1 otal Score 22 gic stressors</th> <th>CI = To Score 0.55</th>	2 1 on stressors poundary. 2 1 otal Score 22 gic stressors	CI = To Score 0.55
Suboptimal         Suboptimal         memory suboptimal <th colspa<="" td=""><td>2 1 on stressors coundary. 2 1 otal Score 22 gic stressors coundary. 2 1</td><td>CI = To Score 0.5:</td></th>	<td>2 1 on stressors coundary. 2 1 otal Score 22 gic stressors coundary. 2 1</td> <td>CI = To Score 0.5:</td>	2 1 on stressors coundary. 2 1 otal Score 22 gic stressors coundary. 2 1	CI = To Score 0.5:
Species Presence       Hish Dotimat: Yo       Low Munitability       Converting       Hish Munitability       Low Munitability       Species       Hish Munitability       Low Munitability       Species       Species       Hish Munitability       Low Munitability       Species       Species       Species       Low Munitability       Species       Developments       Developments       Developments       Developments       Developments       Developments       Species       Species <th< td=""><td>2 1 on stressors coundary. 2 1 otal Score 22 gic stressors coundary. 2 1</td><td>CI = To Score 0.5:</td></th<>	2 1 on stressors coundary. 2 1 otal Score 22 gic stressors coundary. 2 1	CI = To Score 0.5:	
Condition Category         Condition Category         Marginal       Marginal       Present within the AA         Stressor       Marginal       Condition Category         Present within the AA       boundary.         A boundary.       Marginal       Free         A boundary.       A boundary.       Condition Category         Score:       2       Tot         Score:       2       Tot         Score:       Condition Category         Present within the AA       Boundary.       Condition Category         Condition Category         Condition Category         Vertorigoin <th cols<="" th=""><th>on stressors soundary. 2 1 btal Score 22 gic stressors soundary. 2 1</th><th>CI = Ta Score 0.55</th></th>	<th>on stressors soundary. 2 1 btal Score 22 gic stressors soundary. 2 1</th> <th>CI = Ta Score 0.55</th>	on stressors soundary. 2 1 btal Score 22 gic stressors soundary. 2 1	CI = Ta Score 0.55
Condition Category         Description         Presence       Optimal: No       Condition Category         Presence       Impose of this present within the A boundary.       Presence       Impose of this present within the A boundary.         Score:       Condition Category         Condition Category         Score:       Condition Category         Marginal: Top of the hydrologic tressor present within the A boundary.         A boundary.         A boundary.         Condition Category         Condition Category         Marginal: Top of the hydrologic tressor present within the A boundary.         Not too present within the A boundary.         A boundary.       Condition Category <t< td=""><td>2 1 otal Score 22 gic stressors ooundary. 2 1</td><td>CI = To Score</td></t<>	2 1 otal Score 22 gic stressors ooundary. 2 1	CI = To Score	
b. Vegetation Stressor Presence       Optimal       Suboptimal       Marginal       Marginal       Cover Marginal       Poor         High Optimal: Presence       No       Lew Optimal: main time vegetation       Two vegetation       Trow vegetation       Four vegetation       Trow vegetation	2 1 otal Score 22 gic stressors ooundary. 2 1	CI = To Score	
Presence       vegetation stressors present within the AA boundary.       Two vegetation stressors present within the AA boundary.       Three vegetation stressors present within the AA boundary.       vegetation stressors present within the AA boundary.       or present within the AA boundary.       or presen	2 1 otal Score 22 gic stressors ooundary. 2 1	CI = To Score	
Comments:         4. Hydrologic Modification Index         4. Hydrologic Modification Index         A. Hydrologic Modification Index         A. Hydrologic Modification Index         A. Hydrologic Modification Index         Comments:         Optimal       Suboptimal         Modification Index         Condition Category         Optimal       Suboptimal         Modification Index         Modification Index         Comments:       Condition Category         Optimal       No         Modification Index         Comments:       Condition Category         Optimal       No         No       Low Optimal: One within the AA boundary.         No       No         Score:       Score:         Score:       Score:         Score:       Score:         Score:       Score:         Score:       Score:	22 gic stressors poundary. 2 1	0.5 CI = To Score	
A. Hydrologic Modification Index         Condition Category         Hydrologic Modification Index         Condition Category         High Optimal       Optimal       Optimal       Optimal       Optimal       Optimal       Optimal       Optimal       Optimal       Condition Category         Modification Stressors present within the AA boundary.       A boundary.       High Suboptimal: Two hydrologic tressors present within the AA boundary.       Com Marginal: Five hydrologic tressors present within the AA boundary.       Com Marginal: Five hydrologic tressors present within the AA boundary.       Comments:       Score:         Score:       Score:       Score:         Stessors Index         Condition Category         Optimal       Condition Category         Sediment       Suboptimal: figh Optimal       Condition Category         Score:       Score:         Score:       Condition Category         Condition Category         Sediment       Score:       Score	22 gic stressors poundary. 2 1	CI = To Score	
Condition Category         Marginal       Poor         Hydrologic Stressor Presence       Low Optimal: Duro Optimal: One High Suboptimal: Three hydrologic Stressors present within the AA boundary.       High Marginal: Three hydrologic Stressors present within the AA boundary.       High Aboundary.       High Aboundary.       High Marginal: Three hydrologic Stressors present within the AA boundary.       Com Marginal: Three hydrologic Stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.       Score:         SCORE       20       19       18       17       16       15       14       13       12       10       9       8       6       5       4       3         5. Sediment Stressor Index       Condition Category       Condition Category       Score:       Score:       Score:       Score:         Sediment       High Optimal:       Optimal:       Optimal:       One       Suboptimal:       High Marginal:       Five sedimenent Free sedimenent Free sedimenent Tresedemenent preserver       Greater t	2 1	Score	
High Optimal: No Modification Stressor       High No Optimal: One Mydrologic stressors present within the AA boundary.       High Marginal: Two hydrologic stressors present within the AA boundary.       Low Optimal: One hydrologic stressors present within the AA boundary.       High Marginal: Three hydrologic stressors present within the AA boundary.       Greater than five hydrologic stressors present within the AA boundary.         SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3         SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3         Comments:       Condition Category         Sediment       Stressor Index         Condition Category         Sediment       Stressor       Condition Category         Greater than five hydrologic stressors         Sediment	2 1	Score	
Modification Stressor Presence       hydrologic stressors present within the AA boundary.       Two hydrologic stressors present within the AA boundary.       Two hydrologic stressors present within the AA boundary.       Four hydrologic stressors present within the AA boundary.       present within the AA boundary.	2 1	Score	
Comments:     Score:       5. Sediment Stressor Index     Score:       Condition Category       Sediment Stressor Index       Condition Category       Sediment Stressor Index       Sediment Stressor Index       Condition Category       Sediment Stressor Two Sediment Stressor Two Sediment Index Suboptimal:     Marginal Marginal Poor       Sediment Stressor Two Sediment Stressor Two Sediment Index Suboptimal:     Four Sediment Stressor		- 1.0	
5. Sediment Stressor Index           Condition Category           Optimal         Suboptimal         Marginal         Poor           Sediment         High Optimal: No         Low Optimal: One         High Marginal: Two sediment trassor         Greater than five sediment trassor	20	1.0	
Stressor present within the present within the stressors present stressors present stressors present within the AA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		CI = To Score	
boundary. boundary.		_	
SCORE         20         19         18         17         16         15         14         13         12         11         10         9         8         7         6         5         4         3           Comments:         Score:	2 1 20	1.0	
a. Eutro- phication Stressor Presence No eutrophication stressors present Within the AA boundary. No eutrophication stressors present Within the AA boundary. No eutrophication stressors present Within the AA boundary. Three eutrophication stressors Within the AA boundary. Within the AA boundary.			
SCORE 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3	2 1		
Comments:           Condition Category           Optimal         Suboptimal         Marginal         Poor           / Toxicity         No contaminant / toxicity stressors         One contaminant / toxicity stressors         Two contaminant / toxicity stressors         Three contaminant / toxicity stressors		CI = T	
Stressor Presencepresent within the AA boundary.present within the AA boundary.present within the AA boundary.present within the AA boundary.SCORE20191817161514131211109876543	2 1	Score	
	tal Score:	1.0	
b. Contaminant Score 20	40	1.00	

								2/4/2017		
	Pennsy	Ivania Wetla	nd Conditi	ion Lev	el 2 Rapid	Assessmen	it			
(Document No. 310-2137-002)										
Pennsylvania Department of Environmental Protection										
Roadbed Worksheet										
Project Name / Identifier Date Name(s) of Evaluator(s)										
Resource     AA #     Lat (dd)     Long (dd)     Notes:										
occurrences by the weighting factors for each roadbed type and distance category then sum the total score for each distance category. The total scores for each distance category are then compared to the condition category descriptions.										
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score		
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0		
2 Lane Paved	0-100 ft.		2	0	100-300 ft.		2	0		
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0		
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0		
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0		
Railroad	0-100 ft.		2	0	100-300 ft.		2	0		
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4			
Total Scores:	0-100 ft.		0		100-300 ft.		0			
Road Comments:										

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(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET	ļ	Y		N
		I	#'s	
Vegetation Alteration				
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number			
Hudrologia Madification	Total Number:			
Hydrologic Modification				
Ditching, tile draining, or other dewatering methods				
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tetel Newslaw			
On Presentation	Total Number:			
Sedimentation				
Sediment deposits/plumes				
Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment discl	larges)			
Other:	Total Number			
	Total Number:			
Eutrophication				
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats				
Other:	Total Number			
Other:	Total Number:			
Other: Contaminant/Toxicity	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc.	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year)	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed Excessive garbage/dumping	Total Number:			
Other: Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	Total Number:			

		-	) ennsylvania	Documei a Departr	ndition Level 2 Rapic nt No. 310-2137-002) ment of Environmental Pro es Presence Worksh	tection		
Are in	vasive species (from	list) present at the site	e in any l	ayer?	YES			
f liste	d species present, er	nter the percent areal of	overage	for ea	ch species below:			
Specie	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20% ≥ 20	- 50%	≥ 50%
, Aicros	stegium vimineum		65	· ·				
	nultiflora	15						
		l invasives, collectively	•		80 %			
	nents:							
					sives/Aggressives L			
Code	Common Name	Scientific	Status	Code	Common Name	Scienti	,	Status
Code ggi2	Common Name Redtop	Agrostis gigantea	Status FACW	<b>Code</b> luhe	Common Name Water primrose	Scienti Ludwigia hexapeta	ala	OBLW
Code ggi2 gl2	<b>Common Name</b> Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Scienti Ludwigia hexapeta Lysimachia vulgari	ala	OBLW OBLW
Code ggi2 gl2 hi3	Common Name Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	StatusFACWFACWFAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria	ala is	OBLW OBLW FACW
Code ggi2 gl2 rhi3 eth	Common Name Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	StatusFACWFACWFAC-FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol	is lia	OBLW OBLW FACW OBLW
Code ggi2 gl2 rhi3 eth evu	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi	ia is ineum	OBLW OBLW FACW OBLW FAC
Code ggi2 ggi2 rhi3 eth evu utom	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino	lia ineum ale	OBLW OBLW FACW OBLW FAC OBLW
Code ggi2 lgl2 rhi3 eth evu utom alli6	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseta	ia ineum ale	OBLW OBLW FACW OBLW FAC OBLW FACW
Code ggi2 lgl2 rhi3 eth evu utom alli6 gde	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseto Phalaris arundinac	la is ineum ale a ea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
Code ggi2 lgI2 rhi3 eth evu utom alli6 gde lan	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseto Phalaris arundinac Phragmites austra	la is ineum ale a ea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW
Code ggi2 gl2 gl2 chi3 eth evu utom alli6 gde lan lum	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseto Phalaris arundinac Phragmites austra Poa trivialis	la la la lia lineum ale a a cea lis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
Code ggi2 gl2 gl2 chi3 eth evu utom alli6 gde lan lum phi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseto Phalaris arundinac Phagmites austra Poa trivialis Polygonum (Faloia	la la la lia lineum ale a a cea lis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
Code ggi2 ggl2 ggl2 chi3 eth evu utom alli6 gde lan lum phi pppa5	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiseto Phalaris arundinac Phragmites austra Poa trivialis	la la la lia lineum ale a a cea lis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FAC-
Code ggi2 gl2 chi3 eth evu utom allli6 gde lan lum phi ppa5 asa	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiset Phalaris arundinac Phragmites austra Poa trivialis Polygonum (Faloia Polygonum perfolio	la la la lia lineum ale a a cea lis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC-
Code ggi2 [gl2 rhi3 eth eth eth alli6 gde lan lum phi ppa5 asa ldi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiset Phalaris arundinac Phagmites austra Poa trivialis Polygonum (Faloia Polygonum perfolio Pueraria lobata	la ineum ale a cea lis t) cuspidatum atum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FAC-           FAC-           FAC-           FAC-           FAC-
Code ggi2 ggi2 ggi2 chi3 eth evu utom alli6 gde lan lum ppi3 ssa ddi ola	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiset Phalaris arundinac Phagmites austra Poa trivialis Polygonum (Faloia Polygonum perfoli Pueraria lobata Pyrus sp.	la ineum ale a cea lis t) cuspidatum atum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-
Code ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi	Common Name Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status           FACW           FACW           FAC-           FACW           FACW           OBLW           OBLW           OBLW           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACU           FACW           OBLW           FACW           FACW           OBLW           FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Scienti Ludwigia hexapeta Lysimachia vulgari Lythrum salicaria Marsilea quadrifol Microstegium vimi Nasturtium officino Persicaria longiset Phalaris arundinac Phagmites austra Poa trivialis Polygonum (Faloia Polygonum perfoli Pueraria lobata Pyrus sp. Rhamnus frangula	la la ineum ale a cea lis cuspidatum atum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC-           FAC-           FAC-           FAC?           FAC-           FAC-           FAC-           FAC-           FAC-

					Wetland (	Condition /	Assessme	nt Form			
			Pennsyl	lvani	a Wetland Condi	tion Level 2 Rapic	I Assessment (Do	ocument No. 310-2	137-002)		
					Pennsylvar	nia Department of	Environmental P	rotection			
					classifications four			nd within the banks o			
Project #			Project Nan			Date 10/02/22	Proposed Impact S 0.010	ize (acres)	AA # WE-38	AA Size (acres) .010	
Name(s) of Eval	luator(s)			iiiie	Lat (dd)	Long (dd)	Notes:		VVE-30	.010	
Stephen Dad					40.906202	-75.089757					
General Com	ments:										
1. Wetland Zone	e of Influence Co	ondition	Index								
Wetland Zone		Optima	ıl		Subo	optimal	n Category Ma	rginal	Po	oor	1
of Influence	ZOI area vege	tation co	onsists of a t		High Suboptimal:	Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	
(300 foot area around AA	stratum prese height (dbh) > 3				ZOI area vegetation consists of a tree	ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or equal to 60	0% tree	canopy cove	er.	stratum (dbh > 3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	I
	Areas compris wetlands (regar				inches) present, with greater than or	inches) present, with greater than or	herbaceous	herbaceous	maintained areas, nurseries; no-till	lands, denuded surfaces, row crops	
	condition) and				equal to 30% and	equal to 30% and	vegetation with either a shrub layer	vegetation, riparian areas lacking shrub	cropland; actively	active feed lots,	,
			as optimal.		less than 60% tree	less than 60% tree	or a tree stratum	and tree stratum,	grazed pasture,	impervious trails, or	
					canopy cover and containing both	canopy cover with a maintained	(dbh > 3 inches) present, with less	areas of hay production, and	sparsely vegetated non-maintained	other comparable conditions.	
					herbaceous and	understory.	than 30% tree	ponds or open water	area, pervious trails,		
					shrub layers or a		canopy cover.	areas (< 10 acres). If trees are present,	recently seeded and		CI = Tota
					non-maintained understory.			tree stratum (dbh > 3	stabilized, or other comparable		Score/20
								inches) present, with	condition.		
								less than 30% tree canopy cover with			
								maintained			
								understory.			
SCORE	20 19	18	17	16	15 14	13 12 11	10 9 8	B 7 6	5 4 3	3 2 1	
						fluence using the desi				<b>2</b> 1	-
2. Estimate the	% area within eac	ch condi	ition category	y. Ca	lculators are provide	d for you below.		Total Se	core = SUM(%Areas*	Scores)	
3. Enter the % Z			(0.00) and S	Score	for each category in t	the blocks below.					
	Condition Categ	jory:								4	
	0/ 701 Areas		1000/		00/	00/	00/	09/	09/	Total Course	
Cai	% ZOI Area:		100%		0%	0%	0%	0%	0%	Total Score:	
Scoring:	% ZOI Area: Score: Total Sub-score:	:	100% 4 4.00		0% 0 0.00	0% 0 0.00	0% 0 0.00	0% 0 0.00	0% 0 0.00	Total Score: 4.00	0.20
-	Score:	:	4		0	0	0	0	0		0.20
Scoring: Comments:	Score:	:	4		0	0	0	0	0		0.20
Comments:	Score: Total Sub-score:	:	4		0	0	0	0	0		0.20
Comments: 2. Roadbed Pre	Score: Total Sub-score:		4 4.00		0.00	0 0.00 Condition	0 0.00 Categories	0.00	0.00	4.00	0.20
Comments: 2. Roadbed Pre a. Roadbed	Score: Total Sub-score: sence Index	Optima	4 4.00		0 0.00 Subc	0 0.00 Condition	0 0.00 Categories Ma	0 0.00	0 0.00	4.00 500r	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100	Score: Total Sub-score:	Optima No <u>Lo</u> v	4 4.00	ence	0 0.00 Subc High Suboptimal:	0 0.00 Condition	0 0.00 Categories Mai High Marginal:	0.00	0 0.00 Pe High Poor:	4.00	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o	<b>Optima</b> No <u>Lo</u> nt Ro	4 4.00 sl w Optimal: adbed prese pre within 0-1		0 0.00 High Suboptimal Roadbed presence score within 0-100	0 0.00 Condition optimal Low Suboptimal: Roadbed presence score within 0-100	0 0.00 Categories High Marginal: Roadbed presence score within 0-100	0 0.00 rginal Low Marginal: Roadbed presence score within 0-100	0 0.00 0.00 High Poor: Roadbed presence score within 0-100	4.00 4.00 Dor Low Poor: Roadbed presence score within 0-100	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser	Optima No Lon nt Ro. of scc y fee	4 4.00	100	0 0.00 High Suboptimal Roadbed presence score within 0-100	0 0.00 Condition optimal Low Suboptimal: Roadbed presence	0 0.00 Categories High Marginal: Roadbed presence	0 0.00 rginal Low Marginal: Roadbed presence score within 0-100	0 0.00 High Poor: Roadbed presence	4.00 4.00 Dor Low Poor: Roadbed presence score within 0-100	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o	Optima No Loo nt Ro of scc y fee boo	4 4.00 4.00 w Optimal: adbed prese adbed prese ore within 0-1 at of the AA	100	0 0.00 High Subotima Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu	0 0.00 Condition optimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but	0 0.00 Categories High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bul	0 0.00 0.00 contemporal contemporal for distance of the AA boundary is greater than to 8 but	0 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but	4.00 4.00 bor Low Poor: Roadbed presence score within 0-100 foot distance of the A boundary is greater than 12.	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o	Optima No Loo nt Ro of scc y fee boo	4 4.00 4.00 <b>I</b> <b>w</b> Optimal: adbed prese ore within 0-1 et of the AA undary equa	100	0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar	Condition 0.00 Deptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but h less than or equal to less than or equal to	0 0.00 Categories Mai High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 but less than or equal to	0 0.00 0.00 Contemportal Contem	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to	4.00 4.00 bor Low Poor: Roadbed presence score within 0-100 foot distance of the A boundary is greater than 12.	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance)	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o the AA boundary	Optima No Lo nt Ro of scc y fee bou or l	4 4.00 w Optimal: adbed prese ore within 0-2 ore within 0-2 et of the AA undary equa less than 2.	100 Il to	0 0.00 <b>Subc</b> High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu greater than to 2 bu	Condition 0.00 Deptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but the greater than to 4 but the less than or equal to 6.	0 0.00 Categories Main Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8.	0 0.00 0.00 Tginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10.	0 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12.	4.00 4.00 Door Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12.	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 ioot Wetland ZOI distance) SCORE	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o	Optima No Loo nt Ro of scc y fee boo	4 4.00 4.00 <b>I</b> <b>w</b> Optimal: adbed prese ore within 0-1 et of the AA undary equa	100	0 0.00 <b>Subc</b> High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu greater than to 2 bu	Condition 0.00 Deptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but h less than or equal to less than or equal to	0 0.00 Categories Main Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8.	0 0.00 0.00 Contemportal Contem	0 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12.	4.00 4.00 bor Low Poor: Roadbed presence score within 0-100 foot distance of the A boundary is greater than 12.	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 toot Wetland ZOI distance)	Score: Total Sub-score: sence Index High Optimal: 1 roadbeds preser within 100 feet o the AA boundary	Optima No Lo nt Ro of scc y fee bou or l	4 4.00 w Optimal: adbed prese ore within 0-2 ore within 0-2 et of the AA undary equa less than 2.	100 Il to	0 0.00 <b>Subc</b> High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu greater than to 2 bu greater than to 2 bu equal to or less thar 4.	Condition 0.00 Deptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but the greater than to 4 but the less than or equal to 6.	0 0.00 Categories Main Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8.	0 0.00 0.00 Tginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10.	0 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12.	4.00 4.00 Door Low Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 12.	0.20
Comments: 2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland ZOI distance) SCORE %	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19	Optima No Loo of scc y fee bou or l	4 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	100 Il to	0 0.00 Nono National Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14	0 0.00 Condition pptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but h less than or equal to 6. 13 12 11 Condition	0 0.00 Categories High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 but less than or equal to 8. 10 9 Categories	0 0.00 0.00 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6	0 0.00 Nono High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4	4.00 A.00 A.00 A.00 A.00 foot distance of the A. boundary is greater than 12. 3 2 1	0.20
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Comments: 2. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance) SCORE % b. Roadbed Presence (within 100 -	Score: Total Sub-score: sence Index High Optimal: If roadbeds preser within 100 feet of the AA boundary 20 19 High Optimal: If roadbeds preser	Optima No Lor of scc bou or l 18 Optima No Lor Ro	4 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	100 Il to 16	0 0.00 0.00 Use of the sense score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 Use of the suboptimal: Roadbed presence	0 0.00 0.00 Condition pptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but n less than or equal to 6. 13 12 11 Condition pptimal Low Suboptimal: Roadbed presence	0 0.00 Categories Magn Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 but less than or equal to 8. 10 9 Categories Magn Marginal: Roadbed presence	0 0.00 0.00 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 Ferrit Poor: Roadbed presence	4.00 A.00 A.00 A.00 A.00 foot distance of the A. boundary is greater than 12. 3 2 1 A.00 A.0	0.20
2. Roadbed Pre a. Roadbed Pre a. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance) SCORE % b. Roadbed Presence (within 100 - 300 foot	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300	Optima No Loi of sccc bou or l 18 Optima No Loi nt Roo	4 4.00 4.00 w Optimal: adbed prese ore within 0-1 t of the AA undary equa less than 2. 17	100 Il to 16 ence 0 -	0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 Suboptimal: Roadbed presence score within 100 -	Condition         otext         condition         condition	0 0.00 0.00 Categories Mai High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Mai High Marginal: Roadbed presence score within 100 -	0 0.00 0.00 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence score within 100 -	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 : High Poor: Roadbed presence score within 100 -	4.00 4.00	0.20
2. Roadbed Pre a. Roadbed Presence (within 0 - 100 ioot Wetland ZOI distance) SCORE %	Score: Total Sub-score: sence Index High Optimal: If roadbeds preser within 100 feet of the AA boundary 20 19 High Optimal: If roadbeds preser	Optima No Loo of scc y bou or l 18 Optima No Loo feet scc fary 300	4 4.00 4.00 w Optimal: adbed prese ore within 0-1 t of the AA undary equa less than 2. 17	100 Il to 16 ence 0 - AA	0 0.00 0.00 Use of the sense score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 Use of the suboptimal: Roadbed presence	0 0.00 Condition optimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 4 but ness than or equal to 6. 13 12 11 Condition optimal Low Suboptimal: Roadbed presence score within 100 - 300 feet AA	0 0.00 Categories Magn Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 but less than or equal to 8. 10 9 Categories Magn Marginal: Roadbed presence	0 0.00 0.00 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 Ferrit Poor: Roadbed presence	4.00 A.00 A.00 A.00 A.00 foot distance of the A. boundary is greater than 12. 3 2 1 A.00 A.0	CI = Tota
2. Roadbed Pre a. Roadbed Presence within 0 - 100 oot Wetland ZOI distance) SCORE % D. Roadbed Presence within 100 - Presence Within 100 - Netland ZOI	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300	Optima No Lor of scc bou or l 18 Optima No Lor feet scc lary 300 bou	4 4.00 4.00 w Optimal: adbed prese ore within 0-1 to of the AA undary equa less than 2. 17 17	100 Il to 16 ence 0 - AA	0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal	Condition         optimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         Aboundary is         t greater than to 4 but         1 less than or equal to         6.         13       12         The Suboptimal:         Roadbed presence         score within 100-         of gresence         score within 100-         300 feet AA         boundary is greater         than to 4 but less	0 0.00 Categories Mai High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Mai High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 6 but less	0 0.00 0.00 rginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is t greater than to 8 but less than or equal to 10. 8 7 6 rginal Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 8 but less	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 Foadbed presence score within 100 - 300 feet of the AA boundary is greater than to 10 but less	4.00 4.00	CI = Tota
2. Roadbed Pre a. Roadbed Presence (within 0 - 100 ioot Wetland ZOI distance) SCORE %	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300 of the AA bound	Optima No Lor of scc bou or l 18 Optima No Lor feet scc lary 300 bou	4 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	100 Il to 16 ence 0 - AA	0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 High Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater	Condition         optimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         Aboundary is         t greater than to 4 buth         less than or equal to         6.         13       12         The Suboptimal:         Roadbed presence         score within 100 - 300 feet AA         boundary is greater         than to 4 but less         than to 4 but less         than or equal to 6.	0 0.00 Categories Mai High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 buil less than or equal to 8. 10 9 Categories Mai High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.	0 0.00 0.00 Constant of the foot distance of the foot distance of the AA boundary is the greater than to 8 but less than or equal to 10. 8 7 6 Constant of the foot distance of the foot distance of the AA boundary is the foot distance of the AA boundary is greater than to 8 but less than or equal to 10.	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 High Poor: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 10 but less than or equal to 12.	4.00 4.00	CI = Tota
2. Roadbed Pre a. Roadbed Presence (within 0 - 100 ioot Wetland ZOI distance) SCORE %	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300	Optima No Lor of scc bou or l 18 Optima No Lor feet scc lary 300 bou	4 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	100 Il to 16 ence 0 - AA	0 0.00 0.00 United States of the second states of t	Condition         optimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         Aboundary is         t greater than to 4 but         1 less than or equal to         6.         13       12         The Suboptimal:         Roadbed presence         score within 100-         of gresence         score within 100-         300 feet AA         boundary is greater         than to 4 but less	0 0.00 Categories Mai High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 buil less than or equal to 8. 10 9 Categories Mai High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.	0 0.00 0.00 Constant of the service of the set of the set of the set of the service of the set of t	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 High Poor: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 10 but less than or equal to 12. 5 4	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 5.00	CI = Tota
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2. Roadbed Pre a. Roadbed Pre yresence (within 0 - 100 cot Wetland ZOI distance)  SCORE % b. Roadbed Presence (within 100- 300 foot Wetland ZOI distance)	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300 of the AA bound	Optima No Lo or I Roboi or I 18 Optima 18 Optima 18	4 4.00 4.00 w Optimal: adbed prese ore within 0-7 te of the AA undary equa less than 2. 17 17 10 w Optimal: adbed prese pre within 10 0 feet of the undary equa less than 2.		0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 High Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	Condition         Condition         Deptimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         t greater than to 4 but         n less than or equal to         6.         13       12         Condition         poptimal         Low Suboptimal:         Roadbed presence         score within 100 -         300 feet AA         boundary is greater         than or equal to 6.         13       12	0 0.00 Categories Maa High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Maa High Marginal: Roadbed presence score within 100 -300 feet of the AA boundary is greater than to 6 but less than or equal to 8. 10 9	0 0.00 0.00 Constant of the service	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 Figh Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 10 but less than or equal to 12. 5 4	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 5.00	CI = Tota Score/20
2. Roadbed Pre a. Roadbed Pre contents: 2. Roadbed Presence (within 0 - 100 foot Wetland ZOI distance)  b. Roadbed Presence % b. Roadbed Presence % b. Roadbed Presence %	Score: Total Sub-score: sence Index High Optimal: I roadbeds preser within 100 feet o the AA boundary 20 19 High Optimal: I roadbeds preser within 100 - 300 of the AA bound	Optima No Lo or I Roboi or I 18 Optima 18 Optima 18	4 4.00 4.00 w Optimal: adbed prese ore within 0-7 te of the AA undary equa less than 2. 17 17 10 w Optimal: adbed prese pre within 10 0 feet of the undary equa less than 2.		0 0.00 0.00 High Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 2 bu equal to or less thar 4. 15 14 High Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.	Condition         Condition         Deptimal         Low Suboptimal:         Roadbed presence         score within 0-100         foot distance of the         AA boundary is         t greater than to 4 but         n less than or equal to         6.         13       12         Condition         poptimal         Low Suboptimal:         Roadbed presence         score within 100 -         300 feet AA         boundary is greater         than or equal to 6.         13       12	0 0.00 Categories Maa High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 bui less than or equal to 8. 10 9 Categories Maa High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8. 10 9 a. Roadbed 0-100:	0 0.00 0.00 Trginal Low Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 8 but less than or equal to 10. 8 7 6 Trginal Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 8 but less than or equal to 10. 8 7 6 Condition Score 17	0 0.00 0.00 High Poor: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than 10 but less than or equal to 12. 5 4 High Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 10 but less than or equal to 12. 5 4 Weighting * (0.67)	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 5.00	0.20

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

8. Vegetation C	Condition Inde	ex						C	onditio	n Catego	v								
a. Invasive		Opti	mal			Su	boptim		onanio		-	rginal				Poor			
Species Presence	High Optima invasives pre	esent.	Low Optima of the total A contains inv species.	AA	>5% bu 10% of	<b>Iboptimal</b> t less than the total A s invasive	A 20%	w Subopt 0% but les % of the to ntains inva ecies.	ss than otal AA		it less than he total AA	Low Margi but less tha the total Ar invasive sp	n 50% of contains	> 50%	of the to	otal AA c species	ontains ir	nvasive	
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4	3	2	1	
omments:	•																		
b. Vegetation		Opti	mal		1	Su	boptim		onditio	n Catego		rginal				Poor			-
Stressor	High Optima		Low Optima	al: One	High Su	iboptimal		w Subopt	imal:	High Ma		Low Margi	nal: Five	Great	ter than f		tation stre	essors	
Presence	vegetation s present with AA boundar	tressors in the /.	vegetation s present with AA boundar	tressor in the	Two veg stressor within th bounda	getation rs present ne AA ry.	Thr stre with	ree vegeta essors pre hin the AA undary.	ation esent A	Four veg stressors within the boundary	etation present AA /.	vegetation present wit boundary.	stressors hin the AA			hin the A	A bounda	ary.	CI = To Score
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4	3	2	1	
omments:												. Invasive S egetation S				20 20	Total So 40	core	1.00
. Hydrologic M	Adification In	ndex																	
		Opti	mal			e	boptim		onditio	n Catego	-	rginal				Poor			
Hydrologic Modification Stressor Presence	High Optima hydrologic s present with AA boundar	al: No tressors in the	hydrologic s present with AA boundar	tressor in the	Two hyd	<b>Iboptimal</b> drologic rs present ne AA	: Lov Thr stre with	w Subopt ree hydrol essors pre hin the AA undary.	ogic esent	High Ma Four hyd stressors within the boundary	rginal: rologic s present e AA	Low Margi hydrologic present wit boundary.	stressors			ive hydro	ologic stre A bounda		CI = To Score/
														_					
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4 Score:	3	2	1	0.70
	ressor Index								onditio	n Categoi	-								
Sediment Str Sediment Str Stressor Presence	High Optima sediment str present with	essors in the	Low Optima sediment str present with	essor in the	Two sec stressor	<b>iboptimal</b> diment s present	Thr	nal w Subopt ree sedime essors pre	imal: ent esent	High Ma Four sed	Ma rginal: iment s present	rginal Low Margi sediment s present wit boundary.	ressors				ment stre A bounda		CI = To Score/
5. Sediment Str Sediment Stressor	High Optima sediment str	al: No essors in the	Low Optima sediment str	essor in the	Two see	<b>Iboptimal</b> diment rs present ne AA	: Lov Thr stre with	nal w Subopt ree sedime	imal: ent esent	High Ma Four sed	Ma rginal: iment present e AA	Low Margi sediment s	ressors			five sedi			
Sediment Str Stressor Presence SCORE	High Optima sediment str present with	al: No essors in the /.	Low Optima sediment str present with AA boundar	essor in the	Two see stressor within th	<b>Iboptimal</b> diment rs present ne AA	: Lov Thr stre with	nal w Subopt ree sedime essors pre hin the AA	imal: ent esent	High Ma Four sed stressors within the	Ma rginal: iment present e AA	Low Margi sediment s present wit	ressors	pre 5	esent with	five sedi	A bounda		
Sediment Str Stressor Presence SCORE comments:	High Optima sediment str present with AA boundar	al: No essors in the /.	Low Optima sediment str present with AA boundar 3 17	ressor in the y.	Two see stressor within th bounda	uboptimal diment 's present ne AA ry. 14	Lov Thr stre with bou	nal w Subopt ree sedim ssors pre hin the AA undary. 12	imal: ent essent A 11	High Ma Four sed stressors within the boundary	Ma rginal: iment present a AA /. 9	Low Margi sediment s present wit boundary. 8 7	ressors hin the AA	pre 5	esent with	five sedi hin the A	A bounda	ary.	Score
Sediment Str Stressor Presence	High Optim sediment str present with AA boundar 20 19 No eutrop	al: No essors in the y. 11 0 11 0 0pti oblication	Low Optima sediment str present with AA boundar 3 17	essor in the y. 16	Two see stressor within th bounda 15	uboptimal diment 's present ne AA ry. 14	Lov Thr stre with bou 13	nal w Subopt ree sedim essors pre hin the AA undary. 12 Con nal ressors pre	imal: ent esent 11	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present y AA y. 9 9 Y Ma utrophicati	Low Margi sediment s present wit boundary.	rressors nin the AA 6 present	pre	4 Score:	five sedi hin the A 3 Poor cation st	A bounda	ary. 1	Score
Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor Presence	High Optim: sediment str present with AA boundary 20 19 20 19 No eutrop with	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment str present with AA boundar 3 17 3 17 mal stressors pr A boundary.	essor in the y. 16 esent	Two sec stressor within th bounda 15	uboptimal diment is present is AA ry. 14 14 Su eutrophica within the	E Lov Thr stre with bou 13	nal w Subopt ree sedim essors pre hin the AA undary. 12 Con nal ressors pre	imal: ent esent 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 y y y Ma sutrophicati within the	Low Margi sediment s present wit boundary. 8 7 rginal on stressors AA boundary	ressors nin the AA 6 present	5 5 Three	4 Score:	five sedii hin the A 3 Poor ication st he AA bo	A bounda 2 17 tressors p poundary.	ary. 1	Score
. Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor	High Optim sediment str present with AA boundar 20 19 No eutrop	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment str present with AA boundar 3 17 mal stressors pr A boundary.	essor in the y. 16	Two see stressor within th bounda 15	iboptimal diment s present ne AA ry. 14 14 Su eutrophica	Lov Thr stre with bou 13	nal w Subopt ree sedim ssors pre- hin the AA undary. 12 C C nal c C nal 2	imal: ent 11 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 Y Ma sutrophicati within the 9	Low Margi sediment s present wit boundary. 8 7 8 7	rressors nin the AA 6 present	pre	4 Score:	five sedi hin the A 3 Poor cation st	A bounda	ary. 1	Score
. Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor Presence SCORE comments:	High Optim: sediment str present with AA boundary 20 19 20 19 No eutrop with	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr A boundary. 3 17	essor in the y. 16 esent	Two sec stressor within th bounda 15	Iboptimal diment 's present te AA ry. 14 14 Su sutrophica within the 14	E Lov Thr stre with bou 13	nal w Subopt ree sedim sesors pre- bin the AA undary. 12 C C nal reessors prr oundary. 12	imal: ent 11 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 7 7 Ma uutrophicati within the 9	Low Margi sediment s present wit boundary. 8 7 rginal on stressors AA boundary	ressors nin the AA 6 present	5 5 Three	4 Score:	five sedii hin the A 3 Poor ication st he AA bo	A bounda 2 17 tressors p poundary.	ary. 1	Score
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Sediment Str Stressor Presence SCORE Comments: a. Eutro- phication Stressor Presence SCORE Comments:	High Optim: sediment str present with AA boundary 20 19 No eutror with 20 19	al: No essors in the essors in the //         in the //         0       11         Opti         ohication ain the AA         0       11         ohication ain the AA         ohication ain the AA         ohication ain the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr boundary. 3 17 mal toxicity stres e AA bound	essor in the y. 16 essent 16 ssors	Two sec stressor within th bounda 15 One e	Iboptimal diment i's present te AA ry. 14 14 Su sutrophica within the 14 Su contamina	Lon Thr stree with bout 13 boptin tion str a AA bo 13 boptin ant / to:	nal w Subopt ree sedim ssors pre- bin the AA undary. 12 C nal C nal 12 C nal 12	imal: ent ssent 11 onditio esent 11 onditio	High Ma Four sed Stressors within the boundary 10 10 Two e	Ma rginal: iment present a AA /. 9 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Low Margi sediment si present wit boundary. 8 7 rginal on stressors AA boundary 8 7 rginal t / toxicity st the AA bour 8 7	ressors nin the AA 6 present 6 essors dary. 6	5 5 Three 5	4 Score: eutrophi within ti 4 e contam esent with 4	five sedi inin the A 3 Poor ication st he AA bo 3 Poor inant / to	2 17 tressors p boundary. 2 exicity stre A bounda	1 oresent 1 assors ary. 1	Score
Sediment Str Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments: . Contaminant / Toxicity Stressor Presence	High Optim: sediment str present with AA boundary 20 19 No eutrop with 20 19	al: No essors in the essors in the //         in the //         0       11         Opti         ohication ain the AA         0       11         ohication ain the AA         ohication ain the AA         ohication ain the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr boundary. 3 17 mal toxicity stres e AA bound	essor in the y. 16 essent 16 soors ary.	Two sec stressor within th bounda 15 One of One of One of	Iboptimal diment is present the AA ry. 14 14 Su sutrophica within the 14 Su contamina issent within	E Loo Thristree with bou 13 boptim tion strrse a AA bo 13 boptim ant / to:	nal w Subopt ree sedim sesors pre- sesors pre- oundary. 12 C nal ressors pro- oundary. 12 C nal xicitystres A bounda	imal: ent sent 11 onditio esent 11 onditio sors ry.	High Ma Four sed stressors within the boundary 10 n Categor Two e 10 Two e	Ma rginal: iment present a AA /. 9 9 7 y Ma vutrophicati within the 9 y y Ma contaminar sent within 9 a.	Low Margi sediment st present wit boundary. 8 7 rginal on stressors AA boundary 8 7 rginal t / toxicity st the AA bour 8 7 Eutrophicat	ressors nin the AA 6 present 6 essors dary. 6 ion Score	5 5 5 7 Three pre	4 Score: eutrophi within ti 4 e contam esent with 4 20	five sedi inin the A 3 Poor cation st he AA bd 3 3 Poor inant / to	2 17 tressors p bundary. 2 xxicity stre A bounda 2 Total Sc	1 oresent 1 assors ary. 1	Score
Sediment Str Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments: Contaminant / Toxicity Stressor Presence SCORE	High Optim: sediment str present with AA boundary 20 19 No eutrop with 20 19	al: No essors in the essors in the //         in the //         0       11         Opti         ohication ain the AA         0       11         ohication ain the AA         ohication ain the AA         ohication ain the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr boundary. 3 17 mal toxicity stres e AA bound	essor in the y. 16 essent 16 soors ary.	Two sec stressor within th bounda 15 One of One of One of	Iboptimal diment is present the AA ry. 14 14 Su sutrophica within the 14 Su contamina issent within	E Loo Thristree with bou 13 boptim tion strrse a AA bo 13 boptim ant / to:	nal w Subopt ree sedim sesors pre- sesors pre- oundary. 12 C nal ressors pro- oundary. 12 C nal xicitystres A bounda	imal: ent sent 11 onditio esent 11 onditio sors ry.	High Ma Four sed stressors within the boundary 10 n Categor Two e 10 Two e	Ma rginal: iment present a AA /. 9 9 7 y Ma vutrophicati within the 9 y y Ma contaminar sent within 9 a.	Low Margi sediment si present wit boundary. 8 7 rginal on stressors AA boundary 8 7 rginal t / toxicity st the AA bour 8 7	ressors nin the AA 6 present 6 essors dary. 6 ion Score	5 5 5 7 Three pre	4 Score: eutrophi within ti 4 e contam esent with 4	five sedi inin the A 3 Poor cation st he AA bd 3 3 Poor inant / to	2 17 tressors p boundary. 2 exicity stre A bounda	1 oresent 1 assors ary. 1	CI = T Score
Sediment Str Stressor Presence SCORE omments: a. Eutro- phication Stressor Presence SCORE omments: Contaminant / Toxicity Stressor Presence SCORE	High Optim: sediment str present with AA boundary 20 19 No eutrop with 20 19	al: No essors in the essors in the //         in the //         0       11         Opti         ohication ain the AA         0       11         ohication ain the AA         ohication ain the AA         ohication ain the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr boundary. 3 17 mal toxicity stres e AA bound	essor in the y. 16 essent 16 soors ary.	Two sec stressor within th bounda 15 One of One of One of	Iboptimal diment is present the AA ry. 14 14 Su sutrophica within the 14 Su contamina issent within	E Loo Thristree with bou 13 boptim tion strrse a AA bo 13 boptim ant / to:	nal w Subopt ree sedim sesors pre- sesors pre- oundary. 12 C nal ressors pro- oundary. 12 C nal xicitystres A bounda	imal: ent sent 11 onditio esent 11 onditio sors ry.	High Ma Four sed stressors within the boundary 10 n Categor Two e 10 Two e	Ma rginal: iment present a AA /. 9 9 7 y Ma vutrophicati within the 9 y y Ma contaminar sent within 9 a.	Low Margi sediment st present wit boundary. 8 7 rginal on stressors AA boundary 8 7 rginal t / toxicity st the AA bour 8 7 Eutrophicat	ressors nin the AA 6 present 6 essors dary. 6 ion Score	5 5 5 7 Three pre	4 Score: eutrophi within ti 4 e contam esent with 4 20	five sedi inin the A 3 Poor cation st he AA bd 3 3 Poor inant / to	2 17 tressors p bundary. 2 xxicity stre A bounda 2 Total Sc	1 oresent 1 assors ary. 1	CI = T Score

	Pennsy	Ivania Wetla	nd Conditi	ion Lev	el 2 Rapid	Assessmen	t						
(Document No. 310-2137-002)													
		Pennsylvania	Department of	of Environ	mental Prote	ection							
Roadbed Worksheet													
Project Name / Ide	ntifier		Date	Name(s)	of Evaluato	or(s)							
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:									
	WE-38												
Roadbeds: Record occurrences by the each distance cate category description	e weighting gory. The	g factors for ea	ch roadbed	type and	distance ca	tegory then su	m the total s	score for					
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score					
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0					
2 Lane Paved	0-100 ft.		2	0	100-300 ft.		2	0					
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0					
Gravel Road	0-100 ft.	1	1	1	100-300 ft.		1	0					
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0					
Railroad	0-100 ft.		2	0	100-300 ft.		2	0					
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4						
Total Scores:         0-100 ft.         1         100-300 ft.         0													
Road Comments:													

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		Y	#'s	N
Vegetation Alteration		•	" 0	
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:				
	Total Number:			
Hydrologic Modification				
Ditching, tile draining, or other dewatering methods				
Dike/weir/dam				
Filling/grading		1		
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)		1		
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:				
	Total Number:		2	
Sedimentation	Total Number:		2	
Sedimentation Sediment deposits/plumes	Total Number:		2	-
	Total Number:		2	
Sediment deposits/plumes	Total Number:		2	_
Sediment deposits/plumes Eroding banks/slopes	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year)		1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)		1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc		1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: Eutrophication	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: Eutrophication Direct discharges from agricultural feedlots, manure pits, etc.	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats	harges)	1		
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other: <b>Contaminant/Toxicity</b>	harges) Total Number:			
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected)	harges) Total Number:			
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other: <b>Contaminant/Toxicity</b>	harges) Total Number:			
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites	harges) Total Number:			
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	harges) Total Number:			
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed Excessive garbage/dumping	harges) Total Number:			
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	harges) Total Number:			

		Pe	) ennsylvania	Documei a Departr	ndition Level 2 Rapid nt No. 310-2137-002) ment of Environmental Prot es Presence Worksh	tection	ent	
Are in	vasive species (from	list) present at the site	in any l	ayer?	YES			
f liste	d species present, er	nter the percent areal c	overage	for ea	ch species below:			
Speci	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Speci	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
<u> </u>				-				
otal	% relative cover of all	invasives, collectively	on site		%			
			Commo	on Inva	sives/Aggressives Li	ist		
Code	Common Name	Scientific	Status	on Inva Code	isives/Aggressives Li Common Name		Scientific	Status
ggi2	Redtop	Agrostis gigantea	Status FACW	<b>Code</b> luhe	Common Name Water primrose	Ludwigia he	exapetala	OBLW
ggi2 Igl2	Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Ludwigia he Lysimachia	xapetala vulgaris	OBLW OBLW
ggi2 gl2 rhi3	Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	Status FACW FACW FAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia he Lysimachia Lythrum sal	exapetala vulgaris icaria	OBLW OBLW FACW
ggi2 Igl2 rhi3 eth	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	Status FACW FACW FAC- FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia he Lysimachia Lythrum sal Marsilea qu	xapetala vulgaris icaria adrifolia	OBLW OBLW FACW OBLW
ggi2 Igl2 rhi3 eth evu	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu	xapetala vulgaris icaria adrifolia m vimineum	OBLW OBLW FACW OBLW FAC
ggi2 Igl2 rhi3 eth evu utom	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium	xapetala vulgaris icaria adrifolia m vimineum officinale	OBLW OBLW FACW OBLW FAC OBLW
ggi2 lgl2 rhi3 eth evu utom alli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria la	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW FACW
ggi2 lgl2 rhi3 eth evu utom alli6 gde	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria la Phalaris aru	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta ndinacea	OBLW OBLW FACW OBLW FAC OBLW
ggi2 lgl2 eth evu utom alli6 gde lan	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria la	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta ndinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
ggi2 lgl2 eth evu utom alli6 gde lan lum	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lc Phalaris aru Phragmites Poa trivialis	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta ndinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW
ggi2 lgl2 eth evu utom alli6 gde lan lum phi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lc Phalaris aru Phragmites Poa trivialis Polygonum	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta ndinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lc Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lob	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta ndinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC- FAC- FAC- FAC-
ggi2 Igl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa Idi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lc Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lob Pyrus sp.	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta australis (Faloia) cuspidatum perfoliatum oata	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW FACW FACW FAC- FAC- FAC- FAC- FAC- FAC- FAC-
ggi2 Igl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa Idi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lob Pyrus sp. Rhamnus fri	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta australis (Faloia) cuspidatum perfoliatum oata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FAC-
alli6 gde lan lum phi ppa5 asa ldi ola uja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus Humulus japonicus	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW OBLW OBLW FAC FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr romu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lc Phalaris aru Phragmites Poa trivialis Polygonum Pueraria lob Pyrus sp. Rhamnus fr Rosa multifi	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta australis (Faloia) cuspidatum perfoliatum oata angula lora	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC-           FACU
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia he Lysimachia Lythrum sal Marsilea qu Microstegiu Nasturtium Persicaria lo Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lob Pyrus sp. Rhamnus fri	xapetala vulgaris icaria adrifolia m vimineum officinale ongiseta australis (Faloia) cuspidatum perfoliatum oata angula lora stifolia	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FAC-

						Wetland		Condition /	Assessme	nt Form			2/4/2017
				Penns	ylvani	a Wetland Co	ndit	ion Level 2 Rapid	Assessment (Do	ocument No. 310-2	137-002)		
								a Department of					
Due is at #				se in all v Project N		classifications f	oun			nd within the banks o			
Project #				ver Po		,		Date 10/02/22	Proposed Impact S 0.093	ize (acres)	WE-39	AA Size (acres) .093	
Name(s) of Eval	uator(s)				Jinte	Lat (dd)		Long (dd)	Notes:		VVE-39	.093	
Stephen Dadi						40.90553	0	-75.094901					
General Com						40.00000		10.004001					
1. Wetland Zone	of Influe	ence Con	dition I	ndex				Conditior	n Category				
Wetland Zone		0	ptimal			S	uboj	ptimal		rginal	P	oor	
of Influence (300 foot area		ea vegeta				High Suboptim		Low Suboptimal:	High Marginal:	Low Marginal: ZOI	High Poor: ZOI	Low Poor: ZOI area	
around AA		ım presen dbh) > 3 in				ZOI area vegeta consists of a tr		ZOI area vegetation consists of a tree	ZOI area vegetation consists of non-	area vegetation consists of non-	area vegetation consists of lawns,	vegetation consists of impervious	
perimeter)	or eq	ual to 60%	6 tree c	anopy co	over.	stratum (dbh >	3	stratum (dbh > 3	maintained, dense	maintained, dense	mowed, and	surfaces; mine spoil	
		comprised Is (regard)				inches) preser		inches) present,	herbaceous	herbaceous	maintained areas,	lands, denuded	
		n) and lac				with greater that equal to 30% a		with greater than or equal to 30% and	vegetation with either a shrub layer	vegetation, riparian areas lacking shrub	nurseries; no-till cropland; actively	surfaces, row crops, active feed lots,	
		cres are so				less than 60% t	ree	less than 60% tree	or a tree stratum	and tree stratum,	grazed pasture,	impervious trails, or	
						canopy cover a containing bot		canopy cover with a maintained	(dbh > 3 inches) present, with less	areas of hay production, and	sparsely vegetated non-maintained	other comparable conditions.	
						herbaceous ar	nd	understory.	than 30% tree	ponds or open water	area, pervious trails,		
						shrub layers of			canopy cover.	areas (< 10 acres).	recently seeded and	1	CI = Total
						non-maintaine understory.	a			If trees are present, tree stratum (dbh > 3	stabilized, or other comparable		Score/20
						undorotory				inches) present, with			
										less than 30% tree			
										canopy cover with maintained			
										understory.			
00005	00	40	40	47	40	45 44	-	2 42 44	40 0 0		5 4		
SCORE	20	19	18 Cotogo	17	16 within th	15 14		3 12 11 luence using the desc	10 9 8	3 7 6	5 4	3 2 1	
2. Estimate the	% area w	ithin each	conditi	ion categ	ory. Ca	lculators are prov for each category	rided	for you below.		Total S	core = SUM(%Areas*	Scores)	
		n Categor	ry:										
-	% ZOI A	rea:		100%		0%		0%	0%	0%	0%	Total Score:	
Scoring:	Score:			4		0		0	0	0	0		0.20
	Total Su	b-score:		4.00		0.00		0.00	0.00	0.00	0.00	4.00	
(within 0 - 100 foot Wetland	High Op roadbed	O timal: No s present 00 feet of	Roa scor feet bou		sence )-100 A ual to	High Suboptima Roadbed preser score within 0-10 foot distance of AA boundary is greater than to 2	al: ice 00 the but	ptimal Low Suboptimal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 4 but	High Marginal: Roadbed presence score within 0-100 foot distance of the AA boundary is greater than to 6 but	score within 0-100	High Poor: Roadbed presence score within 0-100	foot distance of the AA boundary is greater than 12.	
SCORE	20	19	18	17	16	4. <b>15 14</b>	1	6. <b>3 12 11</b>	8. <b>10 9</b>	10. 8 7 6	12. <b>5 4</b>	3 2 1	
%													4
								_					
b. Roadbed		0	ptimal			e	uber	Condition ptimal	Categories Mar	rginal	D	oor	
Presence	High Op	timal: No		/ Optimal	<u>:</u>	High Suboptima		Low Suboptimal:	High Marginal:	Low Marginal:	High Poor:	Low Poor:	
(within 100 -	roadbed	s present	Roa	dbed pre	sence	Roadbed preser	ice	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence	
300 foot Wetland ZOI		)0 - 300 fe A boundar				score within 100 300 feet of the A		score within 100 - 300 feet AA	score within 100 - 300 feet of the AA	score within 100 - 300 feet of the AA	score within 100 - 300 feet of the AA	score within 100 - 300 feet of the AA	
distance)		- poundar		ndary equ		300 feet of the A boundary is grea			boundary is greater	boundary is greater	boundary is greater		CI = Total
				ess than 2		than to 2 but equ	lal	than to 4 but less	than to 6 but less	than to 8 but less	than to 10 but less	than 12.	Score/20
80005	20	10	10	47	40	to or less than 4		than or equal to 6.	than or equal to 8.	than or equal to 10.	than or equal to 12.	2 2 4	
SCORE	20	19	18	17	16	15 14	1	3 12 11		8 7 6 Condition Score	Weighting	3 2 1 Sub-Scores	
									a. Roadbed 0-100:	17	* (0.67)	11	
								0	. Roadbed 100-300:	20	* (0.33)	7	0.90
Comments:											Total Score:	18	
estimolita.													

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

8. Vegetation C	Condition Inde	ex						0	onditio	n Catego	v								
a. Invasive		Opti	mal			Su	boptim		onanio		-	rginal				Poor			
Species Presence	High Optima invasives pre	esent.	Low Optima of the total A contains inv species.	AA	>5% bu 10% of	<b>Iboptimal</b> t less than the total A s invasive	A 20%	w Subopt 0% but les % of the to ntains inva ecies.	ss than otal AA		it less than he total AA	Low Margi but less tha the total Ar invasive sp	n 50% of contains	> 50%	of the to	otal AA c species	ontains ir	nvasive	
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4	3	2	1	
omments:	•																		
b. Vegetation		Opti	mal		1	Su	boptim		onditio	n Catego		rginal				Poor			-
Stressor	High Optima		Low Optima	al: One	High Su	iboptimal		w Subopt	imal:	High Ma		Low Margi	nal: Five	Great	ter than f		tation stre	essors	
Presence	vegetation s present with AA boundar	tressors in the /.	vegetation s present with AA boundar	tressor in the	Two veg stressor within th bounda	getation rs present ne AA ry.	Thr stre with	ree vegeta essors pre hin the AA undary.	ation esent A	Four veg stressors within the boundary	etation present AA /.	vegetation present wit boundary.	stressors hin the AA			hin the A	A bounda	ary.	CI = To Score
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4	3	2	1	
omments:												. Invasive S egetation S				20 20	Total So 40	core	1.00
. Hydrologic M	Adification In	ndex																	
		Opti	mal			e	boptim		onditio	n Catego	-	rginal				Poor			
Hydrologic Modification Stressor Presence	High Optima hydrologic s present with AA boundar	al: No tressors in the	hydrologic s present with AA boundar	tressor in the	Two hyd	<b>Iboptimal</b> drologic rs present ne AA	: Lov Thr stre with	w Subopt ree hydrol essors pre hin the AA undary.	ogic esent	High Ma Four hyd stressors within the boundary	rginal: rologic s present e AA	Low Margi hydrologic present wit boundary.	stressors			ive hydro	ologic stre A bounda		CI = To Score/
														_					
SCORE	20 19	18	3 17	16	15	14	13	12	11	10	9	8 7	6	5	4 Score:	3	2	1	0.70
	ressor Index								onditio	n Categoi	-								
Sediment Str Sediment Str Stressor Presence	High Optima sediment str present with	essors in the	Low Optima sediment str present with	essor in the	Two sec stressor	<b>iboptimal</b> diment s present	Thr	nal w Subopt ree sedime essors pre	imal: ent esent	High Ma Four sed	Ma rginal: iment s present	rginal Low Margi sediment s present wit boundary.	ressors				ment stre A bounda		CI = To Score/
5. Sediment Str Sediment Stressor	High Optima sediment str	al: No essors in the	Low Optima sediment str	essor in the	Two see	<b>Iboptimal</b> diment rs present ne AA	: Lov Thr stre with	nal w Subopt ree sedime	imal: ent esent	High Ma Four sed	Ma rginal: iment present e AA	Low Margi sediment s	ressors			five sedi			
Sediment Str Stressor Presence SCORE	High Optima sediment str present with	al: No essors in the /.	Low Optima sediment str present with AA boundar	essor in the	Two see stressor within th	<b>Iboptimal</b> diment rs present ne AA	: Lov Thr stre with	nal w Subopt ree sedime essors pre hin the AA	imal: ent esent	High Ma Four sed stressors within the	Ma rginal: iment present e AA	Low Margi sediment s present wit	ressors	pre 5	esent with	five sedi	A bounda		
Sediment Str Stressor Presence SCORE comments:	High Optima sediment str present with AA boundar	al: No essors in the /.	Low Optima sediment str present with AA boundar 3 17	ressor in the y.	Two see stressor within th bounda	uboptimal diment 's present ne AA ry. 14	Lov Thr stre with bou	nal w Subopt ree sedim ssors pre hin the AA undary. 12	imal: ent essent A 11	High Ma Four sed stressors within the boundary	Ma rginal: iment present a AA /. 9	Low Margi sediment s present wit boundary. 8 7	ressors hin the AA	pre 5	esent with	five sedi hin the A	A bounda	ary.	Score
Sediment Str Stressor Presence	High Optim sediment str present with AA boundar 20 19 No eutrop	al: No essors in the y. 11 0 11 0 0pti oblication	Low Optima sediment str present with AA boundar 3 17	essor in the y. 16	Two see stressor within th bounda 15	uboptimal diment 's present ne AA ry. 14	E Lov Thr stre with bou 13	nal w Subopt ree sedim essors pre hin the AA undary. 12 Con nal ressors pre	imal: ent esent 11	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present y AA y. 9 9 Y Ma utrophicati	Low Margi sediment s present wit boundary.	rressors nin the AA 6 present	pre	4 Score:	five sedi hin the A 3 Poor cation st	A bounda	ary. 1	Score
Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor Presence	High Optim: sediment str present with AA boundary 20 19 20 19 No eutrop with	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment str present with AA boundar 3 17 3 17 mal stressors pr A boundary.	essor in the y. 16 esent	Two sec stressor within th bounda 15	uboptimal diment is present is AA ry. 14 14 Su eutrophica within the	Lov Thr stree with bou 13	nal w Subopt ree sedim essors pre hin the AA undary. 12 Con nal ressors pre	imal: ent esent 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 y y y Ma sutrophicati within the	Low Margi sediment s present wit boundary. 8 7 rginal on stressors AA boundary	ressors nin the AA 6 present	5 5 Three	4 Score:	five sedi hin the A 3 Poor ication st he AA bo	A bounda 2 17 tressors p poundary.	ary. 1	Score
Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor	High Optim sediment str present with AA boundar 20 19 No eutrop	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment str present with AA boundar 3 17 mal stressors pr A boundary.	essor in the y. 16	Two see stressor within th bounda 15	iboptimal diment s present ne AA ry. 14 14 Su eutrophica	E Lov Thr stre with bou 13	nal w Subopt ree sedim ssors pre- hin the AA undary. 12 C C nal c C nal 2	imal: ent 11 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 Y Ma sutrophicati within the 9	Low Margi sediment s present wit boundary. 8 7 8 7	rressors nin the AA 6 present	pre	4 Score:	five sedi hin the A 3 Poor ication st	A bounda	ary. 1	Score
. Sediment Str Stressor Presence SCORE comments: a. Eutro- phication Stressor Presence SCORE comments:	High Optim: sediment str present with AA boundary 20 19 20 19 No eutrop with	al: No essors in the /. 11 Opti ohication nin the AA	Low Optim: sediment sts present with AA boundar 3 17 mal stressors pr A boundary. 3 17	essor in the y. 16 esent	Two sec stressor within th bounda 15	Iboptimal diment 's present te AA ry. 14 14 Su sutrophica within the 14	Lov Thr stree with bou 13	nal w Subopt ree sedim sesors pre- bin the AA undary. 12 C C nal reessors prr oundary. 12	imal: ent 11 11 onditio esent	High Ma Four sed stressors within the boundary 10	Ma rginal: iment present a AA /. 9 9 7 7 Ma uutrophicati within the 9	Low Margi sediment s present wit boundary. 8 7 rginal on stressors AA boundary	ressors nin the AA 6 present	5 5 Three	4 Score:	five sedi hin the A 3 Poor ication st he AA bo	A bounda 2 17 tressors p poundary.	ary. 1	Score
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Project Name / Identifie         Resource Identifier       A/         WE-4         Roadbeds: Record the weige each distance category category descriptions.         Roadbed Type       Dist         ≥ 4 Lane Paved       0-10         2 Lane Paved       0-10	er -38 numb ighting	Pennsylvania Lat (dd) er of occurrenc g factors for ea total scores fo	Document No. Department of Roadbed V Date Long (dd) ces by roadbed	310-213 of Environ <b>Vorksh</b> ( Name(s) Notes: Notes: ed type and	7-002) Immental Prote eet of Evaluato	ection or(s) e category. Mu itegory then su	Iltiply the nu	core for
Resource Identifier       A/         WE-3       WE-3         Roadbeds: Record the weight of the	A # -38 numb ighting /. The tance	Pennsylvania Lat (dd) er of occurrenc g factors for ea total scores fo	Department of Roadbed V Date Long (dd) ces by roadb ch roadbed or each dista Weighting	of Environ <b>Vorksh</b> Name(s) Notes: ed type a type and nce cates	and distance distance ca gory are the	e category. Mu tegory then su n compared to	the total s the conditio Weighting	core for n
Resource Identifier       A/         WE-3       WE-3         Roadbeds: Record the weight of the	A # -38 numb ighting /. The tance	Pennsylvania Lat (dd) er of occurrenc g factors for ea total scores fo	Department of Roadbed V Date Long (dd) ces by roadb ch roadbed or each dista Weighting	of Environ <b>Vorksh</b> Name(s) Notes: ed type a type and nce cates	and distance distance ca gory are the	e category. Mu tegory then su n compared to	the total s the conditio Weighting	core for n
Resource Identifier       A/         WE-3       WE-3         Roadbeds: Record the weight of the	A # -38 numb ighting /. The tance	Lat (dd) er of occurrenc g factors for ea total scores fo	Date Long (dd) ces by roadb ch roadbed or each dista Weighting	Name(s) Notes: bed type a type and nce cates	of Evaluato	e category. Mu itegory then su n compared to	the total s the conditio Weighting	core for n
Resource Identifier       A/         WE-3       WE-3         Roadbeds: Record the weight of the	A # -38 numb ighting /. The tance	er of occurrence g factors for ea total scores fo	Long (dd) ces by roadb ch roadbed or each dista Weighting	Notes: ed type a type and nce cates	and distance distance ca gory are the	e category. Mu itegory then su n compared to	the total s the conditio Weighting	core foi n
Resource Identifier       A/         WE-3       WE-3         Roadbeds: Record the weight of the	A # -38 numb ighting /. The tance	er of occurrence g factors for ea total scores fo	Long (dd) ces by roadb ch roadbed or each dista Weighting	Notes: ed type a type and nce cates	and distance distance ca gory are the	e category. Mu itegory then su n compared to	the total s the conditio Weighting	core for n
Identifier     A/       WE-3     WE-3       Roadbeds: Record the response by the weight     WE-3       Seach distance category     WE-3       Seach distance category     WE-3       Roadbed Type     Dist       ≥ 4 Lane Paved     0-10       2 Lane Paved     0-10	-38 numbo ighting /. The tance	er of occurrence g factors for ea total scores fo	ces by roadb ach roadbed or each dista Weighting	ed type a type and nce categ	distance ca gory are the	tegory then su n compared to	the total s the conditio Weighting	core foi n
Roadbeds: Record the poccurrences by the weigeach distance category category descriptions.         Roadbed Type       Dist         ≥ 4 Lane Paved       0-10         2 Lane Paved       0-10	numb ighting /. The tance	g factors for ea total scores fo	ch roadbed or each dista Weighting	type and nce categ	distance ca gory are the	tegory then su n compared to	the total s the conditio Weighting	core foi n
occurrences by the weige         each distance category         category descriptions.         Roadbed Type       Dist         ≥ 4 Lane Paved       0-10         2 Lane Paved       0-10	ighting /. The tance	g factors for ea total scores fo	ch roadbed or each dista Weighting	type and nce categ	distance ca gory are the	tegory then su n compared to	the total s the conditio Weighting	core for n
<b>≥ 4 Lane Paved</b> 0-10 <b>2 Lane Paved</b> 0-10		Occurrences		Score	Distance	Occurrences		Score
2 Lane Paved 0-10	00 ft							
	00		4	0	100-300 ft.		4	0
A Long Deved	00 ft.		2	0	100-300 ft.		2	0
1 Lane Paved 0-10	00 ft.		1	0	100-300 ft.		1	0
Gravel Road 0-10	00 ft.	1	1	1	100-300 ft.		1	0
	00 ft.		2	0	100-300 ft.		2	0
Railroad 0-10	00 ft.		2	0	100-300 ft.		2	0
Other Roadbeds 0-10	00 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores: 0-10	00 ft.		1		100-300 ft.		0	
Road Comments:								

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		Y	#'s	N
Vegetation Alteration		•	" 0	
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:				
	Total Number:			
Hydrologic Modification				
Ditching, tile draining, or other dewatering methods				
Dike/weir/dam				
Filling/grading		1		
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)		1		
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:				
	Total Number:		2	
Sedimentation	Total Number:		2	
Sedimentation Sediment deposits/plumes	Total Number:		2	-
	Total Number:		2	
Sediment deposits/plumes	Total Number:		2	_
Sediment deposits/plumes Eroding banks/slopes	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year)		1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)		1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc		1	2	
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats	harges)	1		
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected)	harges) Total Number:			
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other: <b>Eutrophication</b> Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other: <b>Contaminant/Toxicity</b>	harges) Total Number:			
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	harges) Total Number:			

			) ennsylvania	Docume a Departi	ndition Level 2 Rapic nt No. 310-2137-002) ment of Environmental Pro es Presence Worksh	tection	nt	
Are in	vasive species (from	list) present at the site	e in any l	ayer?	YES			
f liste	d species present. er	nter the percent areal	overage	for ea	ch species below:			
	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	T	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
			= 00 %	opee.		- 0 20 /0	- 20 00 /0	20070
						+ +		
at al 1	0/ malative across of all	l invasives, collective			%	1		
			Comme	on Inva	sives/Aggressives L	ist		
Code	Common Name	Scientific	Commo Status	on Inva Code	isives/Aggressives L Common Name		Scientific	Status
	Redtop	Agrostis gigantea	Status FACW		Common Name Water primrose	Ludwigia hex	xapetala	OBLW
ggi2 Igl2	Redtop European Alder	Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Ludwigia hex Lysimachia v	xapetala vulgaris	OBLW OBLW
ggi2 Igl2 rhi3	Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	Status FACW FACW FAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia hex Lysimachia v Lythrum sali	xapetala vulgaris caria	OBLW OBLW FACW
ggi2 Igl2 rhi3 eth	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	StatusFACWFACWFAC-FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia her Lysimachia v Lythrum sali Marsilea qua	xapetala vulgaris caria adrifolia	OBLW OBLW FACW OBLW
ggi2 Igl2 rhi3 eth evu	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	StatusFACWFACWFAC-FACWFACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia hex Lysimachia v Lythrum sali Marsilea qua Microstegiun	xapetala vulgaris caria adrifolia m vimineum	OBLW OBLW FACW OBLW FAC
ggi2 Igl2 rhi3 eth evu utom	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FACW FAC- FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia hex Lysimachia v Lythrum salii Marsilea quu Microstegiun Nasturtium d	xapetala vulgaris caria adrifolia m vimineum officinale	OBLW OBLW FACW OBLW FAC OBLW
ggi2 lgl2 rhi3 eth evu utom alli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia hey Lysimachia v Lythrum salii Marsilea quu Microstegiun Nasturtium o Persicaria loo	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta	OBLW OBLW FACW OBLW FAC OBLW FACW
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ggi2 lgl2 eth evu utom alli6 gde lan lum	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia hez Lysimachia v Lysimachia v Lythrum sali Marsilea qua Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea qua Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum p	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC- FAC- FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea qua Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum p Pueraria lob	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           OBLW           FAC-           FAC-           FAC-           FAC-           FAC-           FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACU FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pogpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea quu Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum p Pueraria lobo Pyrus sp.	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum ata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pogpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea quu Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum p Pueraria lob Pyrus sp. Rhamnus fra	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum ata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           OBLW           FACW           FAC           FAC           FAC-           FAC-           FAC?           FAC-           FAC-           FAC-           FAC-           FAC-
ggi2 Igl2 rhi3 eeth eevu alli6 gde lan lum ppa5 asa Idi iola uja	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass Japanese Hops	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus Humulus japonicus	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW OBLW OBLW FAC FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 phau7 potr pocu6 pgpf puera pysp1 rhfr romu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn Multiflora rose	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea quu Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum f Pueraria lob Pyrus sp. Rhamnus fra Rosa multiflo	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum ata angula ora	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC-           FAC-
ggi2 lgl2 rhi3 eth evu utom alli6 gde lan lum phi ppa5 asa ldi ola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pogpf puera pysp1 rhfr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia hex Lysimachia v Lysimachia v Lythrum sali Marsilea quu Microstegiun Nasturtium o Persicaria lo Phalaris arun Phragmites o Poa trivialis Polygonum ( Polygonum p Pueraria lob Pyrus sp. Rhamnus fra	xapetala vulgaris caria adrifolia m vimineum officinale ngiseta ndinacea australis (Faloia) cuspidatum perfoliatum ata angula ora stifolia	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           OBLW           FACW           FACW           FAC-           FAC-           FAC-           FAC?           FAC-           FAC-           FAC-           FAC-           FAC-

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Total Sub-score:         18.00         0.00         0.00         0.00         0.00         0.00         18.00           Comments:         2. Roadbed Presence Index	Scoring:	Score:			18		0		0		0		0		0				
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%       Condition Categories         b. Roadbed Presence (within 100- 300 feet spresent at a to 2 but equal distance)       Optimal       Suboptimal: Low Optimal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but equal or less than 2.       High Suboptimal: High Suboptimal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but equal than to 2 but equal than or equal to 6.       Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but equal than or equal to 6.       High Marginal: Low Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but equal than or equal to 6.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but equal than or equal to 6.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 6.       High Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 10.       Low Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 10.       Cl = Tota Score/20 than to 10 but less than or equal to 10.         SCORE       20       19       18       17       16       15       14       12       11       10       9       8       7       6       5       4       3       1         Condition Score       Weighting       Sub-Scores         Condition Score       Weighting       <							4.	6.		8	3.		10.	12.					
Condition Categories         b. Roadbed presence (within 100 - 300 feet score within 100 - 300 feet of the AA boundary equal to distance)       Core within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 2.       High Subortimal: Low Subortimal: Low Subortimal: Roadbed presence score within 100 - 300 feet of the AA 300 feet of t		20	19	18	17	16	15 14	13	12	11	10 9	1	8 7 6	5	4	3 2	1		
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Presence (within 100- 300 foot distance)       High Optimal: No       No       Low Optimal: Roadbed presence score within 100- 300 feet of the AA boundary gual to or less than 2.       High Suboptimal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but less than or equal to 6.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 2 but less than or equal to 8.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       Low Marginal: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Poor: Score within 100- 300 feet of the AA boundary is greater than to 8 but less than or equal to 10.       Low Poor: Score within 100- 300 feet of the AA boundary is greater than to 8 but less than or equal to 10.       Low Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Low Poor: Roadbed presence score within 100- 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Low Poor: Roadbed presence than to 8 but less than or equal to 10.       Low Poor: Roadbed presence than to 8 but less th	b. Roadbed			Optim	nal	_	Su	boptima		aon C	alegories	Mar	ginal			Poor			
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Condition Score         Weighting         Sub-Scores           a. Roadbed 0-100:         20         *(0.67)         13           b. Roadbed 100-300:         20         *(0.33)         7           Total Score:         20         20         1.00	SCORE	20	10	10	17	10			· · ·								4		
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Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

. Vegetation C	ondition	Index								Conditic	n Catego	rv									
a. Invasive		Ор	timal				S	uboptii					argina	1				Poor			
Species		timal: No	Low Op		<5%		uboptima	il: Lo	ow Subor		High Ma	rginal:	Lov	/ Margina		> 50%	6 of the to			invasive	
Presence	invasives	s present.	of the t				t less tha		0% but le			ut less tha		less than				specie	s.		
			contain species		ive		the total as invasive		0% of the ontains inv			the total A. invasive		total AA c sive spec							
						species			ecies.		species.					-					_
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mments:																					
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. Vegetation		-	timal					uboptii					argina					Poor			
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1 10001100		on stressors within the idary.		t within f		within th	s presen ne AA	t str wi	ree vege ressors pr thin the A	resent	within th	s present e AA	pres	etation str sent withir ndary.		pi	esent wit		AA DOUI	iuary.	CI = T Score
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omments:	-												a. Inva	sive Sub	-Score:			10	Total	Score	
												b.	Vegeta	ation Sub	-Score:			20	3	0	0.7
Hydrologic M	odificatio	on Index								Conditio	n Catego	rv									
		-	timal					uboptii	mal			N	argina					Poor			
Hydrologic Madification		timal: No ic stressors		otimal:		High Su Two hyd	uboptima		ow Subor nree hydro		High Ma Four hyd			/ Margina rologic str			ter than f esent wit				CI = T
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	Pennsy	Ivania Wetla	nd Condit	ion Lev	el 2 Rapid	Assessmen	t	
			ocument No.		-			
		Pennsylvania			,	ection		
		•	Roadbed V					
Project Name / Ide	ntifier		Date		of Evaluato	or(s)		
			Dato		o. Iraidate			
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:				
Roadbeds: Record occurrences by the each distance cate category descriptio	e weighting gory. The	g factors for ea	ch roadbed	type and	distance ca	tegory then su	m the total s	core for
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0
2 Lane Paved	0-100 ft.		2	0	100-300 ft.		2	0
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0
Railroad	0-100 ft.		2	0	100-300 ft.		2	0
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores:	0-100 ft.		0		100-300 ft.		0	
Road Comments:								

Pennsylvania Wetland Condition Level 2 Rapid Assessme	ent	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		Y	#'s	N
Vegetation Alteration		•	<i>"</i> 0	
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:				
	Total Number:			
Hydrologic Modification	rotar Number.			
Ditching, tile draining, or other dewatering methods				
Dike/weir/dam				
Filling/grading		1		
Dredging/excavation		1		
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)		1		
Dead or dying trees (trunks still standing) *		1		
Stream alteration (channelization or incision)				
Other:				
	Total Number:		2	
Sedimentation	Total Number:		2	
Sedimentation	Total Number:		2	
Sediment deposits/plumes	Total Number:		2	
Sediment deposits/plumes Eroding banks/slopes	Total Number:		2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year)	Total Number:	1	2	
Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)		1	2	
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	charges) Total Number:			
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Sediment deposits/plumes Eroding banks/slopes Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year) Intensive livestock grazing (in one year, ground is >50% bare) Active selective forestry harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.) Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc Other:  Eutrophication Direct discharges from agricultural feedlots, manure pits, etc. Direct discharges from septic or sewage treatment plants, fish hatcheries, etc. Heavy or moderately heavy formation of algal mats Other:  Contaminant/Toxicity Severe vegetation stress (source unknown or suspected) Obvious spills, discharges, plumes, odors, etc. Acidic drainages (mined sites, quarries, road cuts) Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites Chemical defoliation (majority of herbaceous and woody plants affected, within one year) Fish or wildlife kills or obvious disease or abnormalities observed	charges) Total Number:			

			() ennsylvania	Documer a Departn	ndition Level 2 Rapic nt No. 310-2137-002) nent of Environmental Pro- es Presence Worksh	tection	ent	
Are in	vasive species (from	list) present at the site	e in any la	ayer?	YES			
lf liste	d species present, er	nter the percent areal c	overage	for eac	ch species below:			
Speci	es Code <5%	≥ 5-20% ≥ 20 - 50%	≥ 50%	Specie	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
Berbe	ris thunbergii	25						
[otol (	/ relative cover of all	l invasives, collectively	on citor		25 %			
			Commo	on Inva	sives/Aggressives L	ist		
Code	Common Name	Scientific	Commo Status	on Inva	sives/Aggressives L Common Name	ist	Scientific	Status
	<b>Common Name</b> Redtop	<b>Scientific</b> Agrostis gigantea		Code		ist Ludwigia ha		<b>Status</b> OBLW
nggi2		Agrostis gigantea Alnus glutinosa	Status FACW FACW	Code luhe lyvu	Common Name Water primrose Garden loosestrife	Ludwigia he Lysimachia	exapetala vulgaris	OBLW OBLW
iggi2 Ilgl2	Redtop European Alder Carpetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus	Status FACW FACW FAC-	Code luhe lyvu lysa2	Common Name Water primrose Garden loosestrife Purple loosestrife	Ludwigia he Lysimachia Lythrum sa	exapetala vulgaris licaria	OBLW OBLW FACW
aggi2 algl2 arhi3 oeth	Redtop European Alder Carpetgrass Japanese barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii	Status FACW FACW FAC- FACW	Code luhe lyvu lysa2 maqu	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover	Ludwigia he Lysimachia Lythrum sa Marsilea qu	exapetala vulgaris licaria uadrifolia	OBLW OBLW FACW OBLW
aggi2 algl2 arhi3 oeth oevu	Redtop European Alder Carpetgrass Japanese barberry European barberry	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris	Status FACW FACW FAC- FACW FACW	Code luhe lyvu lysa2 maqu mivi	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass	Ludwigia ha Lysimachia Lythrum sa Marsilea qu Microstegiu	exapetala vulgaris licaria uadrifolia um vimineum	OBLW OBLW FACW OBLW FAC
aggi2 algl2 arhi3 oeth oevu outom	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus	Status FACW FAC- FACW FACW FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress	Ludwigia ha Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium	exapetala vulgaris licaria uadrifolia um vimineum officinale	OBLW OBLW FACW OBLW FAC OBLW
aggi2 algl2 arhi3 peth pevu putom calli6	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis	Status FACW FAC- FACW FACW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed	Ludwigia ha Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria la	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta	OBLW OBLW FACW OBLW FAC OBLW FACW
aggi2 algl2 arhi3 beth bevu butom calli6 egde	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa	Status FACW FAC- FACW FACW OBLW OBLW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass	Ludwigia ha Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria la Phalaris aru	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea	OBLW OBLW FACW OBLW FAC OBLW FACW FACW
aggi2 algl2 arhi3 oeth oevu outom calli6 egde elan	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	Status FACW FACW FAC- FACW FACW OBLW OBLW FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed	Ludwigia hu Lysimachia Lyshrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea ustralis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW FACW OBLW
aggi2 algl2 arhi3 oeth oevu outom calli6 egde elan elum	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	Status FACW FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis	exapetala vulgaris licaria uadrifolia um vimineum officinale ongiseta undinacea australis	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW
aggi2 algl2 arhi3 beth bevu butom calli6 egde elan elum ephi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr pocu6	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria iadrifolia un vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC-
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aggi2 algl2 arhi3 beth bevu boutom calli6 egde elan elum ephi eppa5 asa	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr pocu6 pgpf puera	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegio Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum	OBLW OBLW FACW OBLW FAC OBLW FACW FACW OBLW FACW FACW FAC-
aggi2 algl2 arhi3 oeth oevu outom calli6 egde elan elum ephi eppa5 asa gldi	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	Status FACW FAC- FACW FACW OBLW OBLW OBLW FACU FACU FACU FACW OBLW	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr pocu6 pgpf puera pysp1	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Ludwigia hu Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegiu Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum Pueraria lou	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FACW           FAC-           FAC-           FAC-           FAC-
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aggi2 algl2 arhi3 oeth oevu outom calli6 egde elan elum ephi eppa5 asa gldi nola	Redtop European Alder Carpetgrass Japanese barberry European barberry Flowering Rush Pond water-starwort Brazilian waterweed Russian olive Autumn olive Hairy willow-herb Willow-herb Giant knotweed Mudmats Velvetgrass	Agrostis gigantea Alnus glutinosa Arthraxon hispidus Berberis thunbergii Berberis vulgaris Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	Status FACW FAC- FACW FACW OBLW OBLW FACU FACU FACU FACW OBLW OBLW FAC	Code luhe lyvu lysa2 maqu mivi nami2 pelo phar phau7 potr potr potr potr potr potr potr potr	Common Name Water primrose Garden loosestrife Purple loosestrife European waterclover Japanese stiltgrass Water cress Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Ludwigia h Lysimachia Lysimachia Lythrum sa Marsilea qu Microstegio Nasturtium Persicaria lu Phalaris aru Phragmites Poa trivialis Polygonum Pulygonum Pueraria lou Pyrus sp. Rhamnus fr	exapetala vulgaris licaria iadrifolia im vimineum officinale ongiseta undinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           OBLW           FACW           OBLW           FAC           OBLW           FAC           OBLW           FACW           OBLW           FACW           FACW           FACW           FAC-

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(a)00 for users of a partial priority in the partial (d) - 3 min sequence or status (d) - 3 m	Wetland Zone		(	Optim	al		Su	bop			rginal	P	oor		
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SCORE       10       18       17       16       15       14       13       12       11       10											tree stratum (dbh > 3	3 comparable		Score/20	
Score         20         19         18         17         16         15         14         13         12         11         10         0         8         7         6         5         4         3         2         1           1. Identity all applicable Condition Category areas within the welland zone of influence using the descriptor above.         Total Score = SUM(%, Areas*Scores)												condition.			
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Score         20         19         18         17         10         15         14         13         12         10         98         7         6         5         4         2         1           1         dentify all applicable Condition Category. areas within 4th condition ategory. Condition category. Conditation category. Condition category. Condition category. Conditi															
Lingenty all applicable Condition Category: area within a chool of influence using the descipors above.         Total Score = SUM(%Areas: Scores)           2. Ender the %. ZOI Area in decimal form (0.00) and Score for each category in the blocks below.         Total Score = SUM(%Areas: Scores)         0.22           Scoring:         5201 Area:         80%         20%         0%         0%         0%         0%         0.20         0.20         0.20         0.20         0.22           Scoring:         5201 Area:         80%         20%         0.00         0.00         0.00         0.00         4.40         0.22           Connation Category:         -         -         -         -         -         -         0.22         0.00         0.00         0.00         4.40         0.22           Connation Category:         -         -         -         -         -         -         -         0.22         -         0.22         -         -         0.22         -         -         0.22         -         0.22         -         0.22         -         0.22         -         0.22         -         0.22         -         0.22         -         0.22         -         -         0.22         -         0.22         -         0.22											understory.				
E. Etting the % varea within each condition category.         Catallactors are provided for your below.         Total Score = SUM(% Areas: Scores)           Score:         4         0         0         0         0         0.22           Score::         4         0         0         0.00	SCORE	20	19	18	17	16	15 14	13	3 12 11	10 9 8	B 7 6	5 4	3 2 1		
Beneric Ho % 201 Area in decimal form (0.00) and Score for each category in the blocks below.         Output										criptors above.					
Condition Category         Condition Categories         Total Score:         8 20%         20%         0%         0%         0%         0%         0%         0%         0.22           Scorie:         4         6         0         0         0         0         0         0         0.22         0.22           Condition Categories         3.20         1.20         0.00         0.00         0.00         0.00         0.00         0.22           Conductor         Score:         3.20         1.20         0.00         0.00         0.00         0.00         0.00         0.22           Conductor         Score:         3.20         1.20         0.00         0.00         0.00         0.00         0.00         0.22           Conductor         Score:         Marginal:         Margina:         Margina:         Margina:         Margina:         Margina:         Low Poor::											Total S	core = SUM(%Areas*	Scores)		
Scoring:         % ZOI Area:         80%         20%         0.22           Comments:         3.20         1.20         0.00         0.00         0.00         0.00         0.00         0.00         0.22           Comments:         2. Readbed Presence Index          Condition Categories          Condition Categories          Condition Categories         Nondord presence         Roadbed presence         R	3. Enter the % 2				1 (0.00) and	Score	for each category i	n un	e DIOCKS DEIOW.					-	
Comments:         Total Sub-score:         3.20         1.20         0.00         0.00         0.00         0.00         4.40         0.22           Comments:         2. Readbed         Total Sub-score:         3.20         1.20         0.00         0.00         0.00         0.00         4.40         0.22           Comments:         2. Readbed         Presence         Marginal:         Imph Optimal: No         No         Optimal         No         Poor           Score within 100 toto         Score within 0.100         Score within 100		1		<i></i>	80%		20%		0%	0%	0%	0%	Total Score:		
Total Sub-score:         3.20         1.20         0.00         0.00         0.00         0.00         4.40         0.22           Comments:           2. Roadbed Presence Index           A Roadbed Presence Index           A Roadbed Presence Index           Score With 0.100           Dev Optimal: No Dev Opt	Scoring:	Score:			4		6		0	0	0	0			
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a. Roadbed Presence within 0.100       Optimal       Suboptimal       Suboptimal       Marginal       Poor         Presence within 0.100       Ibigh Optimal: to Aboundary is the AA boundary is or less than 2.       High Suboptimal: Roadbed presence score within 0.100       Low Suboptimal: Low Suboptimal: to distance of the AA boundary is or less than 2.       High Poor: Roadbed presence score within 0.100       Roadbed presence score within 100       Roadbed presence score within 1	2. Roadbed Pre	sence l	ndex												
High Optimal: No roadbeds presence within 10 feet of the Ab boundary is SCORE       Low Optimal: No roadbed presence score within 0-100 the Ab boundary is reast than 0 feet of the AA boundary is greater than 10 but or less than 2.       High Suboptimal: Magebed presence score within 0-100 to distance of the Ab boundary is greater than 10 2 but greater than 0 equal to 4.       Low Suboptimal: Roadbed presence score within 0-100 to distance of the Ab boundary is greater than 10 2 but greater than 0 equal to 4.       Low Marginal: Roadbed presence score within 0-100 to distance of the Ab boundary is greater than 10 2 but greater than 0 equal to 4.       Low Marginal: Roadbed presence score within 0-100 to distance of the Ab boundary is greater than 10 2 but greater than 10 2 but greater than 0 equal to 4.       Low Marginal: Roadbed presence score within 0-100 to distance of the Ab boundary is to distance of the Ab boundary is 8.       Low Marginal: No distance of the Ab boundary is 8.       Low Marginal: No distance of the Ab boundary is 8.       No downdary 10.         SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       1         0. Roadbed Presence within 100- 300 feet of the AA boundary is greater within 100- 300 feet of the AA boundary is greater than 10 2 but equal to or less than 2.       No       No<															
Within 0-100 oot Welland ZOI distance 2OI distance of the AA boundary SCORE       Roadbed presence the AA boundary is or less than 0.2 but score within 0-100 foot distance of the AA boundary is or less than 0.2 but equal to or less than 0.2 but equal to or less than	a. Roadbed Presence	High O				:									
Cold distance)       the AA boundary       feet of the AA boundary is or less than 2.       food distance of the food distance of the food distance of the AA boundary is at a boundary is and boundary is equal to less than 0 equ	(within 0 - 100	roadbe	ds present	R	oadbed pre	sence	Roadbed presence	e I	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence	Roadbed presence		
Score       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         Score       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         %       Score       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         %       Score       Condition       Categories       Score       S	foot Wetland														
or less than 2.       greater than to 2 but greater than to 4 but equal to or less than or equal to less than or e	zor distance)	une AA	boundary												
4.       6.       8.       10.       12.         SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         %       %       ************************************															
SCORE         20         19         18         17         16         15         14         13         12         11         10         9         8         7         6         5         4         3         2         1           %           %           0. Roadbed Presence Within 100 - 300 feet of the AA boundary soft eet of the AA boundary equal to distance)         0         0         10         9         8         7         6         5         4         3         2         1           %         Iso Optimal         Low Optimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal distance)         Low Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 2.         Low Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 2.         Low Suboptimal: Roadbed presence score within 100 - 300 feet of the AA         So feet of the AA boundary is greater than to 2 but equal to or less than 2.         Into A but less than or equal to 8.         No requal to 10.         Into Roadbed presence score within 100 - 300 feet of the AA         So requal to 10.         Into Roadbed presence score within 100 - 300 feet of the AA         So requal to 10.         Into Roadbed presence score within 100 - 300 feet of the AA         So requal to 10.         Into Roadbed presence than to 4 but less than or equal to 8. </td <td></td> <td>)</td> <td></td>													)		
%       Condition Categories         D. Roadbed Presence within 100 - 300 feet scree within 100 - 300 feet scree within 100 - scree within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 2.       High Suboptimal: Low Suboptimal: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.       High Marginal: Low Suboptimal: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.       Cl = Tot Scree than to 6 but less than or equal to 8.       High Poor: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.       High Poor: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.       High Poor: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.       High Poor: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.       High Poor: Roadbed presence scree within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 8.       High Poor: Roadbed to 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Cl = Tot Scree/ than to 8 but less than or equal to 10.         SCORE       20       19       15       14       13       12       10       9       8       7       6       5       4       3       1<															
Condition Categories         Condition Categories         b. Roadbed Presence (within 100 - 300 foot M wetland ZOI distance)       Condition Categories         High Optimal: (within 100 - 300 foot M wetland ZOI distance)       Low Optimal: Toadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal or less than 2.       High Suboptimal: High Suboptimal: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal to or less than 2.       High Suboptimal: No adbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but less than or equal to 10.       High Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but less than or equal to 10.       High Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but less than or equal to 10.       High Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal to or less than 4.       High Suboptimal: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal to or less than 4.       High Suboptimal: Roadbed presence than to 2 but equal to or less than 2.       High Sub regulater than or equal to 10.       High Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal than or equal to 10.       Low Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal than or equal to 10.       High Poor: Roadbed presence score within 100 - 300 feot of the AA boundary is greater than to 2 but equal than or equal to 10.       High Poor: Roadbed 0 100.       Low Poor: Roadbed of the AA t		20	19	18	17	16	15 14	13	3 12 11	10 9	8 7 6	5 4	3 2 1		
De. Roadbed       Optimal       Suboptimal       Marginal       Low Marginal       Poor         Presence       High Optimal: No Cadbed presence       High Suboptimal: Roadbed presence       High Marginal: Roadbed presence       High Marginal: Roadbed presence       Low Marginal: Roadbed presence       High Marginal: Roadbed high High Marginal: Roadbed high High Marginal: Roadbed high	%														
De. Roadbed       Optimal       Suboptimal       Marginal       Low Marginal       Poor         Presence       High Optimal: No Cadbed presence       High Suboptimal: Roadbed presence       High Marginal: Roadbed presence       High Marginal: Roadbed presence       Low Marginal: Roadbed presence       High Marginal: Roadbed high High Marginal: Roadbed high High Marginal: Roadbed high															
De. Roadbed       Optimal       Suboptimal       Marginal       Low Marginal       Poor         Presence       High Optimal: No Cadbed presence       High Suboptimal: Roadbed presence       High Marginal: Roadbed presence       High Marginal: Roadbed presence       Low Marginal: Roadbed presence       High Marginal: Roadbed high High Marginal: Roadbed high High Marginal: Roadbed high															
De. Roadbed       Optimal       Suboptimal       Marginal       Low Marginal       Poor         Presence       High Optimal: No Cadbed presence       High Suboptimal: Roadbed presence       High Marginal: Roadbed presence       High Marginal: Roadbed presence       Low Marginal: Roadbed presence       High Marginal: Roadbed high High Marginal: Roadbed high High Marginal: Roadbed high		r							Condition	Categories					
High Optimal: No within 100 - 300 feet Sore within 100 - 300 feet Sore within 100 - 300 feet Sore within 100 - 300 feet of the AA boundary equal to of the AA boundary equal to or less than 2.       High Suboptimal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 4 but less than or equal to 6.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 6.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 2 but less than 0 equal to 6.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 4 but less than or equal to 6.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       High Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       Low Marginal: Roadbed presence score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       High Poor: Roadbed presence than 0.       Low Poor: Roadbed presence than 0.	b. Roadbed		0	Optim	al		Su	bop			rginal	P			
300 foot Wetland ZOI distance)       within 100 - 300 feet score within 100 - of the AA boundary 300 feet of the AA boundary equal to or less than 2.       score within 100 - 300 feet of the AA boundary is greater than to 2 but equal to or less than 4.       score within 100 - 300 feet AA boundary is greater than to 4 but less than or equal to 8.       score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 10.       Score within 100 - 300 feet of the AA boundary is greater than to 2 but less than or equal to 10.       Score within 100 - 300 feet of the AA boun	Presence		ptimal: N	o <u>L</u>	ow Optima										
Wetland ZOI distance)       of the AA boundary       300 feet of the AA boundary is greater than to 2 but less to or less than 2.       300 feet of the AA boundary is greater than to 4 but less to or less than 4.       300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       300 feet of the AA boundary is greater than to 4 but less than or equal to 8.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       300 feet of the AA boundary is greater than to 1 but less than or equal to 10.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       300 feet of the AA boundary is greater than to 6 but less than or equal to 10.       Cl = Tot Score/2         SCORE       20       19       18       17       16       15       14       12       10       9       8       7       6       5       4       3       2       1         SCORE       20       19       18       17       16       15       14       12       10       9       8       7       6       5       4       3       2       1         More comparison       20       16       *(0.67)       13       13       12       16	(within 100 - 300 foot														
Score/2       Outloarly signate       Doubleary si	Wetland ZOI			ry 30	00 feet of th	ne AA	300 feet of the AA	۰ ۲	300 feet AA	300 feet of the AA	300 feet of the AA	300 feet of the AA	300 feet of the AA		
SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         SCORE       20       19       18       17       16       15       14       13       12       11       10       9       8       7       6       5       4       3       2       1         Condition Score       Weighting       Sub-Scores         Condition Score       Weighting       Sub-Scores         E       Total Score:       19	distance)													Score/20	
Condition Score         Weighting         Sub-Scores           a. Roadbed 0-100:         20         * (0.67)         13           b. Roadbed 100-300:         16         * (0.33)         5           Total Score:         19         19				0	1 1033 111011 2								tridir 12.		
Condition Score         Weighting         Sub-Scores           a. Roadbed 0-100:         20         * (0.67)         13           b. Roadbed 100-300:         16         * (0.33)         5           Total Score:         19         19	SCOPE	20	19	18	17	16			· · · · · · · · · · · · · · · · · · ·				3 2 1		
a. Roadbed 0-100:         20         * (0.67)         13           b. Roadbed 100-300:         16         * (0.33)         5         0.93           Total Score:         19	JUOKE	20	19	10	17	10	13 14	13	, 12 11	10 9					
b. Roadbed 100-300:         16         * (0.33)         5         0.93           Total Score:         19								Γ		a. Roadbed 0-100:					
Total Score: 19								ľ	b						
								ľ						0.93	
	Comments:							-					1		

Pennsylvania Wetland Condition Level 2 Rapid Assessment (Document No. 310-2137-002)

Pennsylvania Department of Environmental Protection

. Vegetation C	Condition	Index								Conditio	n Catego	rv									
a. Invasive		O	otimal				Si	uboptir					argina	1				Poor			
Species		ptimal: No	Low O	ptimal:			uboptima	l: Lo	w Subop		High Ma	rginal:	Lov	/ Margina		> 50%	6 of the te			invasive	
Presence	invasive	es present.		total AA			t less tha		0% but le			ut less tha		less than				species	s.		
			specie	ns invas s.	sive		the total s invasive		0% of the t intains inv			he total A		total AA c sive spec							
			-			species			ecies.		species.			-							
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
omments:																					
									(	Conditio	n Catego	ry									
. Vegetation		-	otimal					uboptir					argina					Poor			
Stressor Presence		ptimal: No ion stressor		ptimal: ation stre			uboptima getation		ow Subop aree veget		High Ma Four veg			/ Margina etation str			ter than f esent wit				CI = T
		within the	presen	nt within undary.	the	stressor within th	rs present ne AA	t str wit	ressors pr thin the A	resent	stressor within th	s present e AA	pres	sent withir ndary.		pr	coont wit		, v t boui	iddi y.	Scor
SCORE	20	19	18	17	16	bounda 15	ry. 14	b0 13	oundary. 12	11	boundar 10	y. 9	8	7	6	5	4	3	2	1	
mments:													a. Inva	sive Sub	-Score:			11	Total	Score	
												b.	Vegeta	ation Sub	Score:			20	3	1	0.7
Hydrologic N	/lodificati	ion Index								Conditio	n Catego	r)/									_
			otimal					uboptir	mal			N	argina			_		Poor			
Hydrologic		ptimal: No gic stressor		ogic stre		High Su Two hyd	uboptima		w Subop aree hydro		High Ma Four hyd			/ Margina rologic str			ter than f esent wit				CI = T
Modification Stressor		within the		nt within			arologic rs presen		ree nyarc ressors pr			s present		sent withir		pi	COCHI WIL			idaiy.	Scor
Presence	AA bou	ndary.	AA bou	undary.		within th bounda			thin the A oundary.	A	within th boundar		bou	ndary.							
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1.0
mments:																:	Score:		2	:0	1.0
Sediment Str	ressor In	dex																			
Sediment Str	ressor In		otimal				Si	uboptir		Conditio	n Catego	-	argina	1	_	_	_	Poor			
Sediment Str	High Or	Or ptimal: No	Low O	Optimal:			uboptima	il: Lo	mal ow Subop	timal:	High Ma	N N	Lov	/ Margina			ater than	five sed	diment st		CI = 1
Sediment Stressor	High Or sedimer	Oj	Low O sedime	ent stres	ssor	Two see	<b>uboptima</b> diment	il: Lo Th	mal ow Subop aree sedim	otimal: nent	High Ma Four sec	N arginal: diment	Lov sed	/ Margina iment stre	ssors		ater than esent wit	five sed	diment st		CI = 1 Scor
Sediment	High Or sedimer	Op ptimal: No nt stressors within the	Low O sedime presen		ssor the	Two see stressor within th	uboptima diment rs present ne AA	t str	mal by Subop pree sedim ressors pr thin the A	otimal: nent resent	High Ma Four set stressor within th	N arginal: diment s present e AA	Lov sed pres	/ Margina	ssors			five sed	diment st		
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Sediment Stressor Presence CORE mments: a. Eutro- phication Stressor Presence SCORE mments: Contaminant / Toxicity Stressor Presence Stressor Presence	High OJ sedimer present AA bour 20 No e 20	Or ptimal: No nt stressors within the ndary. 19 00 putrophicatic within the 19 00 potrophicatic within the 19	Low O sedime present AA bound 18 material na stresso AA bound 18	ors pres dary. 17 y stressc	16 16 16 16 00rs y.	Two seeses stressources within th bounda 15 One of 15	uboptima diment rs presen re AA ry. 14 14 sturophica within th 14 14 sturophica contamin esent with	I: Lo Th t strr wit bo 13 13 13 13 13 13	mal www.subop more sedin resors pr thin the A bundary. 12 (mal tressors p boundary. 12 (mal boundary. 12 (mal boundary. 12	timal: nent esent A 11 Condition resent 11 Condition ssors lary.	High Ma Four set stressor within th boundar 10 n Catego 10 Two of Two pre	N rrginal: diment s present e AA y. 9 ry N eutrophica within the 9 ry N contamina esent within 9	Eovy Sed press bou bou 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Margina iment strer sent within ndary.     7     7     1     icity stres A bounda     7	ssors the AA 6 essent 6 sors ry. 6 n Score	pr 5 Three 5	4 Score: e eutroph within t 4 e contarr esent wit	Five sed thin the <i>i</i>	diment st AA bour 2 2 2 2 2 2 2 2 2 2 2 2 3 5 5 5 5 5 5 5	1 30 s present y. 1 stressors adary.	Scor 1.
Sediment Stressor Presence CORE mments: a. Eutro- phication Stressor Presence SCORE mments: Contaminant / Toxicity Stressor Presence Stressor Presence	High OJ sedimer present AA bour 20 No e 20	Or ptimal: No nt stressors within the ndary. 19 00 putrophicatic within the 19 00 potrophicatic within the 19	Low O sedime present AA bound 18 material na stresso AA bound 18	ors pres dary. 17 y stressc	16 16 16 16 00rs y.	Two seeses stressources within th bounda 15 One of 15	uboptima diment rs presen re AA ry. 14 14 sturophica within th 14 14 sturophica contamin esent with	I: Lo Th t strr wit bo 13 13 13 13 13 13	mal www.subop more sedin resors pr thin the A bundary. 12 (mal tressors p boundary. 12 (mal boundary. 12 (mal boundary. 12	timal: nent esent A 11 Condition resent 11 Condition ssors lary.	High Ma Four set stressor within th boundar 10 n Catego 10 Two of Two pre	N rrginal: diment s present e AA y. 9 ry N eutrophica within the 9 ry N contamina esent within 9	Eovy Sed press bou bou 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Margina iment strer sent within ndary.     7     7     1     idit stress     A bounda     7     7     7	ssors the AA 6 essent 6 sors ry. 6 n Score	pr 5 Three 5	4 Score: e eutroph within t 4 e contarr esent wit 4 20	Five sed thin the <i>i</i>	diment st AA bour 2 2 2 2 2 2 2 2 2 2 2 2 3 5 5 5 5 5 5 5	1 30 s present y. 1 stressors ndary. 1 Score:	Scol

								2/4/2017
	Pennsy	Ivania Wetla	nd Conditi	ion Lev	el 2 Rapid	Assessmen	t	
		(D	ocument No.	310-2137	7-002)			
		Pennsylvania			,	ection		
			Roadbed V	Vorksh	eet			
Project Name / Ide	ntifier		Date	Name(s)	of Evaluato	or(s)		
Resource Identifier	AA #	Lat (dd)	Long (dd)	Notes:				
	WE-42							
occurrences by the each distance cate category description	gory. The							
Roadbed Type	Distance	Occurrences	Weighting Factor	Score	Distance	Occurrences	Weighting Factor	Score
≥ 4 Lane Paved	0-100 ft.		4	0	100-300 ft.		4	0
2 Lane Paved	0-100 ft.		2	0	100-300 ft.	1	2	2
1 Lane Paved	0-100 ft.		1	0	100-300 ft.		1	0
Gravel Road	0-100 ft.		1	0	100-300 ft.		1	0
Dirt Road	0-100 ft.		2	0	100-300 ft.		2	0
Railroad	0-100 ft.		2	0	100-300 ft.		2	0
Other Roadbeds	0-100 ft.		1, 2 or 4		100-300 ft.		1, 2 or 4	
Total Scores:	0-100 ft.		0		100-300 ft.		2	
Road Comments:								

Pennsylvania Wetland Condition Level 2 Rapid Assessme	nt	2	/4/2017	7
(Document No. 310-2137-002)		Oc	curren	се
Pennsylvania Department of Environmental Protection			in AA	
STRESSOR WORKSHEET		v		N
		Y	#'s	N
Vegetation Alteration				
Mowing				
Moderate livestock grazing (within one year)				
Crops (annual row crops, within one year)				
Selective tree harvesting/cutting (>50% removal, within 5 years)				
Right-of-way clearing (mechanical or chemical)				
Clear cutting or Brush cutting (mechanized removal of shrubs and saplings)				
Removal of woody debris				
Aquatic weed control (mechanical or herbicide)				
Excessive herbivory (deer, muskrat, nutria, carp, insects, etc.)				
Plantation (conversion from typical natural tree species, including orchards)				
Other:	Total Number			
I hadrala sia Madifiantian	Total Number:			
Hydrologic Modification Ditching, tile draining, or other dewatering methods				-
Dike/weir/dam				
Filling/grading				
Dredging/excavation				
Stormwater inputs (culvert or similar concentrated urban runoff)				
Microtopographic alterations (e.g., plowing, forestry bedding, skidder/ATV tracks)				
Dead or dying trees (trunks still standing) *				
Stream alteration (channelization or incision)				
Other:	Tatal Number			
Colimontation	Total Number:			
Sedimentation				-
Sediment deposits/plumes Eroding banks/slopes				
Active construction (earth disturbance for development)				
Active construction (earth disturbance for development) Active plowing (plowing for crop planting in past year)				
Intensive livestock grazing (in one year, ground is >50% bare)				
Active selective forestry harvesting (within one year)				
Active selective forestly harvesting (within one year) Active forest harvesting (within two years, includes roads, borrow areas, pads, etc.)				
Turbidity (moderate concentration of suspended solids in the water column, obvious sediment disc	bargos)			
Other:	laiges)			
Oner.	Total Number:			
Eutrophication	Total Number.			
Direct discharges from agricultural feedlots, manure pits, etc.				
Direct discharges from septic or sewage treatment plants, fish hatcheries, etc.				
Heavy or moderately heavy formation of algal mats				
Other:				
	Total Number:			
Contaminant/Toxicity	Total Number.			
Severe vegetation stress (source unknown or suspected)				
Obvious spills, discharges, plumes, odors, etc.				
Acidic drainages (mined sites, quarries, road cuts)				
Point discharges from adjacent industrial facilities, landfills, railroad yards, or comparable sites				
Chemical defoliation (majority of herbaceous and woody plants affected, within one year)				
Fish or wildlife kills or obvious disease or abnormalities observed				
Excessive garbage/dumping				
Excessive garbage/dumping Other:	Total Number:			

lf listed s Species	species present, en	list) present at the site nter the percent areal c ≥ 5-20% ≥ 20 - 50% 20	e in any l overage	ayer? for eac	es Presence Worksh YES h species below: es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
f listed s Species	species present, en	ter the percent areal c ≥ 5-20% ≥ 20 - 50%	overage	for eac	h species below:	≥ <b>5-20%</b>	≥ 20 - 50%	≥ 50%
Species	Code <5%	≥ 5-20% ≥ 20 - 50%				≥ 5-20%	≥ 20 - 50%	≥ 50%
			≥ 50%	Specie	es Code <5%	≥ 5-20%	≥ 20 - 50%	≥ 50%
Berberis	s thunbergii	20						
			1					
		ı ı — — — — — — — — — — — — — — — — — —						
	1							
Fatal 0/ .	relative cover of all	invasives, collectively			20 %			
			Commo	on Inva	sives/Aggressives L	ist		
Code	Common Name	Scientific	Status	Code	Common Name		Scientific	Status
aggi2 Re	edtop	Agrostis gigantea	FACW	luhe	Water primrose	Ludwigia he	exapetala	OBLW
algl2 Eu	uropean Alder	Alnus glutinosa	FACW	'	Garden loosestrife	Lysimachia		OBLW
	arpetgrass	Arthraxon hispidus	FAC-	'	Purple loosestrife	Lythrum sal		FACW
	apanese barberry	Berberis thunbergii	FACW		European waterclover	Marsilea qu	,	OBLW
	uropean barberry	Berberis vulgaris	FACW	mivi .	Japanese stiltgrass	Microstegiu	ım vimineum	FAC
		~						-
outom Flo	owering Rush	Butomus umbellatus	OBLW	-	Water cress	Nasturtium		OBLW
outom Flo alli6 Po	owering Rush ond water-starwort	Butomus umbellatus Callitriche stagnalis	OBLW	pelo	Low smartweed	Persicaria la	ongiseta	OBLW FACW
outom Flo calli6 Po egde Br	owering Rush ond water-starwort razilian waterweed	Butomus umbellatus Callitriche stagnalis Egeria densa	OBLW OBLW	pelo phar	Low smartweed Reed canary grass	Persicaria la Phalaris aru	ongiseta Indinacea	OBLW FACW FACW
outom Flo calli6 Po egde Bro elan Ru	owering Rush ond water-starwort razilian waterweed ussian olive	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia	OBLW OBLW FACU	pelo phar phau7	Low smartweed Reed canary grass Common Reed	Persicaria la Phalaris aru Phragmites	ongiseta Indinacea australis	OBLW FACW FACW OBLW
outom Flo calli6 Po egde Bro elan Ru elum Au	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata	OBLW OBLW FACU FACU	pelo phar phau7 potr	Low smartweed Reed canary grass Common Reed Rough bluegrass	Persicaria la Phalaris aru Phragmites Poa trivialis	australis	OBLW FACW FACW OBLW FACW
eutom Flo alli6 Po gde Bra lan Ru lum Au ephi Ha	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum	OBLW OBLW FACU FACU FACW	pelo phar phau7 potr pocu6	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum	ongiseta Indinacea australis (Faloia) cuspidatum	OBLW FACW FACW OBLW FACW FAC-
utom Flo alli6 Po gde Br Ian Ru Ium Au phi Ha ppa5 W	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb /illow-herb	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum	OBLW OBLW FACU FACU FACW FACW	pelo phar phau7 potr pocu6 pgpf	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum Polygonum	ngiseta Indinacea australis (Faloia) cuspidatum perfoliatum	OBLW FACW FACW OBLW FACW FAC- FAC-
utom Flo alli6 Po gde Br. Ian Ru Ium Au phi Ha ppa5 W asa Gi	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb /illow-herb iant knotweed	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis	OBLW OBLW FACU FACU FACW FACW OBLW	pelo phar phau7 potr pocu6 pgpf puera	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol	ngiseta Indinacea australis (Faloia) cuspidatum perfoliatum	OBLW FACW FACW OBLW FACW FAC- FAC- FAC- FAC-
eutom Flo calli6 Po gde Br. elan Ru elum Au ephi Ha eppa5 W asa Gi. gldi M	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb /illow-herb iant knotweed Iudmats	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	OBLW OBLW FACU FACU FACW FACW OBLW OBLW	pelo phar phau7 potr pocu6 pgpf puera pysp1	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp.	ngiseta Indinacea australis (Faloia) cuspidatum perfoliatum bata	OBLW           FACW           FACW           OBLW           FACW           FACW           FAC-           FAC-
utom Flo alli6 Po gde Br. Ian Ru Ium Au phi Ha ppa5 W asa Gi. Idi M iola Ve	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb /illow-herb iant knotweed Iudmats elvetgrass	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum Holcus lanatus	OBLW OBLW FACU FACU FACW FACW OBLW FAC	pelo phar phau7 potr pocu6 pgpf puera pysp1 rhfr	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear Glossy Buckthorn	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp. Rhamnus fr	ngiseta Indinacea australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           FACW           FACW           OBLW           FACW           FACW           FAC-           FAC-
allió Fla allió Po gde Br lan Ru lum Au ppi Ha ppa5 W asa Gi ldi M nola Ve uja Ja	owering Rush ond water-starwort razilian waterweed ussian olive utumn olive airy willow-herb /illow-herb iant knotweed Iudmats elvetgrass apanese Hops	Butomus umbellatus Callitriche stagnalis Egeria densa Elaeagnus angustifolia Elaeagnus umbellata Epilobium hirsutum Epilobium parviflorum Fallopia sachalinensis Glossostigma diandrum	OBLW OBLW FACU FACU FACW FACW OBLW OBLW	pelo phar phau7 potr pocu6 pgpf puera pysp1 rhfr romu	Low smartweed Reed canary grass Common Reed Rough bluegrass Japanese knotweed Mile-a-minute Kudzu-vine Apple/crabapple/pear	Persicaria la Phalaris aru Phragmites Poa trivialis Polygonum Polygonum Pueraria lol Pyrus sp.	ngiseta australis (Faloia) cuspidatum perfoliatum bata angula	OBLW           FACW           FACW           OBLW           FACW           FACW           FAC-           FAC-