

Catchment ID: UP03

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 1 -- Catchment Information

Subwatershed:	Upper Patuxent						
Location of Catch	ment Centroid on	ADC Map:	Year: <u>20</u>	001	Page: 9	Grid:	E3
State Plane Coordinates of Outfall Location:			X: <u>1369407</u> Y: <u>496205</u>				
Closest Road Inte	ersection to Outfall:	Scarlet Tanage	r Loop				
Outfall SDI ID or	Outfall Description:	no SDI ID - drai	ns north to	wetland a	area		
Objective: Demo	nstration / Impairm	ent(s) (Sheet 1)					
Drainage Area (a	c): <u>7.0</u>		Impervio	us Area	(ac): <u>3.7</u>		
Percent Impervio	us: <u>53%</u>		Soil Rec	harge Fa	actor (S): 0.13		
WQ _v (required):	0.31		Re _v (req	uired): <u>0</u>	.04		
Predominant Land	d Use: parking lot		Mean De	epth to G	round Water:		
Sanitary System:	Septic Mur	nicipal Sewer	Water S	upply:	On Site Well	Public Water	
Storm Drainage	e System Within	Catchment					
Piped: 100%	<u>∕</u> Oper	n Channels:	0%				
Area Drained by	System:	100%					
Location in Catch	ment: 🔲 Headwate	ers Middle	Lower	✓ All			
Open Channel Lir	ning- Vegetation:	0%	Riprap:	0%	Concrete:	Other:	0%
Existing IMP(s)) / BMP(s)						
SDI ID: Wetland	A Type (numl	ber from Sheets	4 & 5): <u>21</u>	<u> </u>	Age:		
Closest Road Inte	ersection to IMP / B	MP: Scarle	t Tanager	Loop			
Catchment Area	Γreated (ac) : 7.0)	Perce	entage C	atchment Treate	ed:	100%
WQ _v Provided:	YES NO	Re _v Provided:	YES [√ NO	C _p Provided:	YES	☑ NO
SDI ID:	Type (numl	ber from Sheets	4 & 5):		Age:		
Closest Road Inte	ersection to IMP / B	BMP:					
Catchment Area	Treated (ac):		Perce	entage C	Catchment Treate	ed:	
WQ _v Provided:	YES NO	Re _v Provided:	YES [NO	C _p Provided:	YES	NO
SDI ID:	Type (num	ber from Sheets	4 & 5):		Age:		
Closest Road Inte	ersection to IMP / B	BMP:					
Catchment Area	Treated (ac) :		Perce	entage C	Catchment Treate	ed:	
WQ _v Provided:	YES NO	Re _v Provided:	YES [NO	C _p Provided:	YES	NO

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CATCHMENT SUMMARY					
WQ _v (provided):	Re _v (provided) :				
Area Treated (ac):	Impervious Area Treated (ac):				
Area Treated (%):	Impervious Area Treated (%):				
Comments					

Site ID: PWR Catchment ID: UP03

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Patuxent Wildlife Refuge	Address: Scarlet Tanager Loop						
Site Owner: U.S. Fish and Wildlife Service							
State Plane Coordinates of Site Centroid	: X: <u>1369405</u> Y: <u>495441</u> Date: <u>4/25/03</u>						
Personnel: PM	Weather: overcast, 75F deg						
Area (ac): 7	Impervious Area (ac): 3.7						
Percent Impervious: 53	Soil Recharge Factor (S): 0.13						
WQ _v (required): 0.31	Re _v (required): 0.04						
Property Area (ac): 1012.5	Property Area Included in Site:						
Amount of Catchment Occupied by Site:	<u>100</u> %						
Storm Drainage System Within Site							
Piped: 100% Open Channel							
Open Channel Lining - Vegetation: 0	% Riprap: 0% Concrete: 0% Other: 0%						
Existing IMP(s) / BMP(s) (Indentified on Page 1, FORM 1, Catchment Information)							
SDI ID: Wetland A	Condition: ☑ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor						
SDI ID:	Condition: Excellent Good Average Fair Poor						
SDI ID:	Condition: Excellent Good Average Fair Poor						
	- Average - Tell - Tool						
Site Information							
Type of Pavement: ☑ Bituminous ☐ C	oncrete Gravel Grid Pavers Other						
Pavement Condition: Excellent	☑ Good ☐ Average ☐ Fair ☐ Poor						
Underdrains can be easily directed to existing storm drains or daylighted: ☑ YES ☐ NO							
Gutter/Exterior Downspouts Present: ☐ YES ☑ NO							
Roof Connected Directly to Storm Drain:	✓ YES NO						
Roof Drains onto Impervious Surface:	☐ YES ☐ NO						
Obvious Existing Drainage Problems:	☐ Extensive ☐ Moderate ☐ Average ☑ Limited ☐ None						
Steep Slopes Present:	Moderate ☐ Average ☐ Limited ☑ None						
Existing Landscaping:	Moderate ✓ Average ☐ Limited ☐ None						
Mature / Specimen Trees: Extensive	Moderate ☐ Average ☑ Limited ☐ None						
Area Available for Aboveground BMPs: ☐ Extensive ☐ Moderate ☐ Average ☐ Limited ☐ None							
Existing Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious							

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UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information (concluded)

Com	mercial / Inst	itutional					
Island	ds Present: 🗹	YES NO	Curb Present Around Island: ✓ YES □ NO				
Ground Level of Island Relative to Pavement: ☑ Above ☐ Equal ☐ Below							
Island	d Landscaping:	☐ Impervious ☐ Bare Earth ☐ Trees (<2 in. DBH) ☐	Gravel Grass Mulch Herbaceous Plants Shrubs Trees (2 - 6 in. DBH) Trees (>6 in. DBH)				
Trees have sufficient spacing to allow IMPs ☐ YES ☑ NO							
Parki	ng area that car	n be directed to potential trea	atment area with little grading: 100%				
SITE	SUMMARY						
WQ_v	(provided):		Re _v (provided):				
Area Treated (ac) :			Impervious Area Treated (ac):				
Area Treated (%) :			Impervious Area Treated (%):				
Phot	ographs						
No.	667	Description: looking	g southeast across west side of lot				
No.	668	Description: looking east across north side of lot					
No.	669	Description: looking south to visitors center across east side of lot					
No.	670	Description: looking northwest at northeast side of building					
No.	671	Description: looking east at north (front) side of building					
No.	672	Description: looking southeast at west side of building					
No.	673	Description: looking north from visitors center					
No.		Description:					
No.		Description:					
No.		Description:					
Comments Site is currently treated by storm water wetland.			storm water wetland.				

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information





667 668





669 670





671 672

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information (concluded)



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