Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_VA15322** **Prince William Parkway Regional SWM**

Bay-wide Diadromous Tier	5
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
NID ID	VA15322
State ID	VA15322
River Name	
Dam Height (ft)	47.5
Dam Type	
Latitude	38.6512
Longitude	-77.2929
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Neabsco Creek
HUC 10	Occoquan River-Potomac River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	40.44
% Natural Cover in Upstream Drainage Area	26.73
% Forested in Upstream Drainage Area	26.1
% Agriculture in Upstream Drainage Area	0
% Natural Cover in ARA of Upstream Network	58.36
% Natural Cover in ARA of Downstream Network	64.34
% Forest Cover in ARA of Upstream Network	55.84
% Forest Cover in ARA of Downstream Network	19.23
% Agricultral Cover in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	0.21
% Impervious Surf in ARA of Upstream Network	22.8
% Impervious Surf in ARA of Downstream Network	9.58

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	69.37
% Tree Cover in ARA of Downstream Network	40.85
% Herbaceaous Cover in ARA of Upstream Network	4
% Herbaceaous Cover in ARA of Downstream Network	14.06
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0.22
% Road Impervious in ARA of Upstream Network	6.05
% Road Impervious in ARA of Downstream Network	5.54
% Other Impervious in ARA of Upstream Network	17.61
% Other Impervious in ARA of Downstream Network	7.76

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

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Network, System Type and Condition

Functional Upstream Network (mi)	1.52	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	134.31	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1.52	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	10.11
Density of Crossings in Upstream Network Watershed (#/m2)	0.94
Density of Crossings in Downstream Network Watershed (#/m2)	1.65
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
Density of off-channel dams in Downstream Network Watershed (#/m2)	0

Diadromous Fish

Downstream Alewife	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	3

Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	62
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	5
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	Moderate
PA IBI Stream Health	N/A

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