Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12259** **WYNDEMERE SWM POND**

Bay-wide Diadromous Tier	18
Bay-wide Resident Tier	20
Bay-wide Brook Trout Tier	N/A
NID ID	MD00323
State ID	12259
River Name	
Dam Height (ft)	13.2
Dam Type	Earth
Latitude	39.1248
Longitude	-76.8599
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Horsepen Branch-Patuxent River
HUC 10	Upper Patuxent River
HUC 8	Patuxent
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	25.51
% Natural Cover in Upstream Drainage Area	27.76
% Forested in Upstream Drainage Area	24.18
% Agriculture in Upstream Drainage Area	0
% Natural Cover in ARA of Upstream Network	23.62
% Natural Cover in ARA of Downstream Network	35.36
% Forest Cover in ARA of Upstream Network	18.11
% Forest Cover in ARA of Downstream Network	33.11
% Agricultral Cover in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	23.41
% Impervious Surf in ARA of Downstream Network	24.24

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	56.53
% Tree Cover in ARA of Downstream Network	59.63
% Herbaceaous Cover in ARA of Upstream Network	29.8
% Herbaceaous Cover in ARA of Downstream Network	19.37
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	11.2
% Road Impervious in ARA of Downstream Network	8.63
% Other Impervious in ARA of Upstream Network	2.47
% Other Impervious in ARA of Downstream Network	12.21

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)	0.25	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	2.26	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.25	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	1

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	24.33
% Conserved Land in 100m Buffer of Downstream Network	24.54
Density of Crossings in Upstream Network Watershed (#/m2)	0
Density of Crossings in Downstream Network Watershed (#/m2)	9.11
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented

Presence of 1 or More Downstream Anadromous Species	Historical
# Diadromous Species Downstream (incl eel)	0

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)	51
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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