Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12308** **RATTLEWOOD GOLF COURSE**

Bay-wide Diadromous Tier	13
Bay-wide Resident Tier	12
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	12308
River Name	Patuxent River
Dam Height (ft)	30.5
Dam Type	Earth
Latitude	39.3387
Longitude	-77.187
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Cabin Branch-Patuxent River
HUC 10	Headwaters Patuxent River
HUC 8	Patuxent
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.97
% Natural Cover in Upstream Drainage Area	25.13
% Forested in Upstream Drainage Area	22.78
% Agriculture in Upstream Drainage Area	60.85
% Natural Cover in ARA of Upstream Network	54.89
% Natural Cover in ARA of Downstream Network	71.57
% Forest Cover in ARA of Upstream Network	53.49
% Forest Cover in ARA of Downstream Network	50.42
% Agricultral Cover in ARA of Upstream Network	34.33
% Agricultral Cover in ARA of Downstream Network	23.87
% Impervious Surf in ARA of Upstream Network	1.06
% Impervious Surf in ARA of Downstream Network	0.36

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	59.61
% Tree Cover in ARA of Downstream Network	65.78
% Herbaceaous Cover in ARA of Upstream Network	37.43
% Herbaceaous Cover in ARA of Downstream Network	24.82
% Barren Cover in ARA of Upstream Network	0.11
% Barren Cover in ARA of Downstream Network	0.73
% Road Impervious in ARA of Upstream Network	0.23
% Road Impervious in ARA of Downstream Network	0.32
% Other Impervious in ARA of Upstream Network	2.6
% Other Impervious in ARA of Downstream Network	0.77

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)	0.79	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	140.68	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.79	# Downstream Hydropower Dams	1
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	40.75
Density of Crossings in Upstream Network Watershed (#/m2)	0
Density of Crossings in Downstream Network Watershed (#/m2)	0.59
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	Fair
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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