Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PA041** **8TH AVE DAM**

Bay-wide Diadromous Tier	7
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	PA041
River Name	Sawmill Creek
Dam Height (ft)	4
Dam Type	
Latitude	39.1772
Longitude	-76.621
Passage Facilities	Pool & Weir
Passage Year	1999
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Curtis Creek-Curtis Bay
HUC 10	Patapsco River-Chesapeake Bay
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	31.74
% Natural Cover in Upstream Drainage Area	19.78
% Forested in Upstream Drainage Area	14.95
% Agriculture in Upstream Drainage Area	1.49
% Natural Cover in ARA of Upstream Network	24.77
% Natural Cover in ARA of Downstream Network	39.25
% Forest Cover in ARA of Upstream Network	15.76
% Forest Cover in ARA of Downstream Network	12.21
% Agricultral Cover in ARA of Upstream Network	0.41
% Agricultral Cover in ARA of Downstream Network	0.08
% Impervious Surf in ARA of Upstream Network	29.44
% Impervious Surf in ARA of Downstream Network	22.72

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	44.38
% Tree Cover in ARA of Downstream Network	43.75
% Herbaceaous Cover in ARA of Upstream Network	28.78
% Herbaceaous Cover in ARA of Downstream Network	17.87
% Barren Cover in ARA of Upstream Network	0.08
% Barren Cover in ARA of Downstream Network	0.08
% Road Impervious in ARA of Upstream Network	6.23
% Road Impervious in ARA of Downstream Network	5.75
% Other Impervious in ARA of Upstream Network	20.38
% Other Impervious in ARA of Downstream Network	15.7

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)	15.89	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	68.75	# Downsteam Natural Barriers	0
Absolute Gain (mi)	15.89	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	8.14
% Conserved Land in 100m Buffer of Downstream Network	3.29
Density of Crossings in Upstream Network Watershed (#/m2)	5.08
Density of Crossings in Downstream Network Watershed (#/m2)	3.2
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)	52
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
MD MBSS Benthic IBI Stream Health	Fair
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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