

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

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

Diadromous Tier	7
Brook Trout Tier	N/A
Resident Tier	17
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)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	31.74	% Tree Cover in ARA of Upstream Network	44.38
% Natural Cover in Upstream Drainage Area	19.78	% Tree Cover in ARA of Downstream Network	43.75
% Forested in Upstream Drainage Area	14.95	% Herbaceous Cover in ARA of Upstream Network	28.78
% Agriculture in Upstream Drainage Area	1.49	% Herbaceous Cover in ARA of Downstream Network	17.87
% Natural Cover in ARA of Upstream Network	24.77	% Barren Cover in ARA of Upstream Network	0.08
% Natural Cover in ARA of Downstream Network	39.25	% Barren Cover in ARA of Downstream Network	0.08
% Forest Cover in ARA of Upstream Network	15.76	% Road Impervious in ARA of Upstream Network	6.23
% Forest Cover in ARA of Downstream Network	12.21	% Road Impervious in ARA of Downstream Network	5.75
% Agricultural Cover in ARA of Upstream Network	0.41	% Other Impervious in ARA of Upstream Network	20.38
% Agricultural Cover in ARA of Downstream Network	0.08	% Other Impervious in ARA of Downstream Network	15.7
% Impervious Surf in ARA of Upstream Network	29.44		
% Impervious Surf in ARA of Downstream Network	22.72		

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	# Downstream 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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