

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12161** **CASCADE LAKE DAM**

Diadromous Tier	16
Brook Trout Tier	N/A
Resident Tier	13
NID ID	MD00118
State ID	12161
River Name	
Dam Height (ft)	20
Dam Type	Rockfill
Latitude	39.6167
Longitude	-76.8883
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	East Branch of North Branch Pat
HUC 10	North Branch Patapsco River
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	2.34	% Tree Cover in ARA of Upstream Network	63.31
% Natural Cover in Upstream Drainage Area	35.6	% Tree Cover in ARA of Downstream Network	65.63
% Forested in Upstream Drainage Area	28.82	% Herbaceous Cover in ARA of Upstream Network	30.85
% Agriculture in Upstream Drainage Area	47.33	% Herbaceous Cover in ARA of Downstream Network	30.26
% Natural Cover in ARA of Upstream Network	53.66	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	59.08	% Barren Cover in ARA of Downstream Network	0.03
% Forest Cover in ARA of Upstream Network	36.06	% Road Impervious in ARA of Upstream Network	1.38
% Forest Cover in ARA of Downstream Network	50.48	% Road Impervious in ARA of Downstream Network	1.13
% Agricultural Cover in ARA of Upstream Network	31.26	% Other Impervious in ARA of Upstream Network	2.79
% Agricultural Cover in ARA of Downstream Network	28.62	% Other Impervious in ARA of Downstream Network	2.65
% Impervious Surf in ARA of Upstream Network	1.89		
% Impervious Surf in ARA of Downstream Network	2.48		

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)	4.28	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	121.87	# Downstream Natural Barriers	0
Absolute Gain (mi)	4.28	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	3
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	10.31		
% Conserved Land in 100m Buffer of Downstream Network	16.34		
Density of Crossings in Upstream Network Watershed (#/m2)	1.38		
Density of Crossings in Downstream Network Watershed (#/m2)	1.51		
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)	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	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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