

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12282** **CLAIR PEAKE DAM**

Bay-wide Diadromous Tier	5
Bay-wide Resident Tier	14
Bay-wide Brook Trout Tier	N/A
NID ID	MD00259
State ID	12282
River Name	Tom Swamp Run
Dam Height (ft)	26
Dam Type	Earth
Latitude	38.3773
Longitude	-76.6155
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	McIntosh Run
HUC 10	Saint Clements Bay-Potomac Riv
HUC 8	Lower Potomac
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	3.41	% Tree Cover in ARA of Upstream Network	0
% Natural Cover in Upstream Drainage Area	76.6	% Tree Cover in ARA of Downstream Network	69.56
% Forested in Upstream Drainage Area	62.09	% Herbaceous Cover in ARA of Upstream Network	53.09
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	23.88
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	74.31	% Barren Cover in ARA of Downstream Network	0.04
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	46.73
% Forest Cover in ARA of Downstream Network	44.18	% Road Impervious in ARA of Downstream Network	1.09
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	14.55	% Other Impervious in ARA of Downstream Network	2.72
% Impervious Surf in ARA of Upstream Network	46		
% Impervious Surf in ARA of Downstream Network	2.04		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12282**

CLAIR PEAKE DAM

Network, System Type and Condition

Functional Upstream Network (mi)	0.04	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	167.42	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.04	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Low		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	4.31		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.73		
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)	55
# Rare Fish (HUC8)	3
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	GOOD
MD MBSS Benthic IBI Stream Health	Good
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

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf