

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_35-167**

COOLING POND DAM

Bay-wide Diadromous Tier	18
Bay-wide Resident Tier	20
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	35-167
River Name	Roaring Brook
Dam Height (ft)	25
Dam Type	Stone
Latitude	41.3989
Longitude	-75.6495
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi)
HUC 12	Roaring Brook
HUC 10	Lackawanna River
HUC 8	Upper Susquehanna-Lackawann
HUC 6	Upper Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	3.38	% Tree Cover in ARA of Upstream Network	54.78
% Natural Cover in Upstream Drainage Area	79.01	% Tree Cover in ARA of Downstream Network	33.62
% Forested in Upstream Drainage Area	65.88	% Herbaceous Cover in ARA of Upstream Network	21.19
% Agriculture in Upstream Drainage Area	5.71	% Herbaceous Cover in ARA of Downstream Network	19.37
% Natural Cover in ARA of Upstream Network	4.93	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	0	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	4.61	% Road Impervious in ARA of Upstream Network	11.69
% Forest Cover in ARA of Downstream Network	0	% Road Impervious in ARA of Downstream Network	10.39
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	10.06
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	31.56
% Impervious Surf in ARA of Upstream Network	19.53		
% Impervious Surf in ARA of Downstream Network	45.38		

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)	0.69	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1.23	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.54	# Downstream Hydropower Dams	4
# Size Classes in Total Network	1	# Downstream Dams with Passage	5
# Upstream Network Size Classes	1	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	83.56		
% Conserved Land in 100m Buffer of Downstream Network	0		
Density of Crossings in Upstream Network Watershed (#/m2)	1.08		
Density of Crossings in Downstream Network Watershed (#/m2)	1.4		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0		
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.7		

Diadromous Fish

Downstream Alewife	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	None Documented	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	None Documented		
# Diadromous Species Downstream (incl eel)	1		

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)	37
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Fair

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