

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00296** **ELMHURST**

Bay-wide Diadromous Tier	13
Bay-wide Resident Tier	6
Bay-wide Brook Trout Tier	8
NID ID	PA00296
State ID	PA00296
River Name	Roaring Brook
Dam Height (ft)	64
Dam Type	Masonry / Gravity / Earth
Latitude	41.3721
Longitude	-75.5413
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 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	1.65	% Tree Cover in ARA of Upstream Network	68.42
% Natural Cover in Upstream Drainage Area	81.28	% Tree Cover in ARA of Downstream Network	69.47
% Forested in Upstream Drainage Area	66.03	% Herbaceous Cover in ARA of Upstream Network	17.25
% Agriculture in Upstream Drainage Area	8.68	% Herbaceous Cover in ARA of Downstream Network	21.8
% Natural Cover in ARA of Upstream Network	87.33	% Barren Cover in ARA of Upstream Network	0.26
% Natural Cover in ARA of Downstream Network	69.92	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	60.43	% Road Impervious in ARA of Upstream Network	1.21
% Forest Cover in ARA of Downstream Network	53.29	% Road Impervious in ARA of Downstream Network	3.36
% Agricultural Cover in ARA of Upstream Network	4.25	% Other Impervious in ARA of Upstream Network	2.4
% Agricultural Cover in ARA of Downstream Network	1.06	% Other Impervious in ARA of Downstream Network	2.65
% Impervious Surf in ARA of Upstream Network	1.48		
% Impervious Surf in ARA of Downstream Network	3.73		

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)	32.83	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	57.89	# Downsteam Natural Barriers	1
Absolute Gain (mi)	25.06	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	5
# Upstream Network Size Classes	2	# of Downstream Barriers	10
NFHAP Cumulative Disturbance Index		Low	
Dam is on Conserved Land		Yes	
% Conserved Land in 100m Buffer of Upstream Network		22.55	
% Conserved Land in 100m Buffer of Downstream Network		14.84	
Density of Crossings in Upstream Network Watershed (#/m2)		0.89	
Density of Crossings in Downstream Network Watershed (#/m2)		1.54	
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	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	None Documented
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	0
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	Yes	Chesapeake Bay Program Stream Health	FAIR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	37	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Fair
# Rare Mussel (HUC8)	2		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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