

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00364** **DUNMORE NO. 1**

Diadromous Tier	10
Brook Trout Tier	N/A
Resident Tier	10
NID ID	PA00364
State ID	PA00364
River Name	Little Roaring Brook
Dam Height (ft)	47
Dam Type	Earth / Masonry
Latitude	41.4152
Longitude	-75.5975
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	1.01	% Tree Cover in ARA of Upstream Network	87.47
% Natural Cover in Upstream Drainage Area	97	% Tree Cover in ARA of Downstream Network	42.09
% Forested in Upstream Drainage Area	80.1	% Herbaceous Cover in ARA of Upstream Network	0.85
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	26.78
% Natural Cover in ARA of Upstream Network	97.96	% Barren Cover in ARA of Upstream Network	0.13
% Natural Cover in ARA of Downstream Network	33.37	% Barren Cover in ARA of Downstream Network	4.55
% Forest Cover in ARA of Upstream Network	75.38	% Road Impervious in ARA of Upstream Network	0.34
% Forest Cover in ARA of Downstream Network	23.4	% Road Impervious in ARA of Downstream Network	7.69
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.01
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	13.52
% Impervious Surf in ARA of Upstream Network	1.13		
% Impervious Surf in ARA of Downstream Network	28.22		

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)	9.29	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	13	# Downstream Natural Barriers	1
Absolute Gain (mi)	3.7	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	5
# Upstream Network Size Classes	2	# of Downstream Barriers	9
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	5.34		
% Conserved Land in 100m Buffer of Downstream Network	14.69		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	3.93		
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
Presence of 1 or More Downstream Anadromous Species	None Docume		
# 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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
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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