

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12174** **PINEY RUN DAM**

Bay-wide Diadromous Tier	3
Bay-wide Resident Tier	8
Bay-wide Brook Trout Tier	N/A
NID ID	MD00139
State ID	12174
River Name	Piney Run
Dam Height (ft)	73
Dam Type	Earth
Latitude	39.3881
Longitude	-76.9759
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Piney Run
HUC 10	South 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	1.84	% Tree Cover in ARA of Upstream Network	48.85
% Natural Cover in Upstream Drainage Area	33.08	% Tree Cover in ARA of Downstream Network	61.91
% Forested in Upstream Drainage Area	25.76	% Herbaceous Cover in ARA of Upstream Network	31.42
% Agriculture in Upstream Drainage Area	52.02	% Herbaceous Cover in ARA of Downstream Network	34.31
% Natural Cover in ARA of Upstream Network	62.31	% Barren Cover in ARA of Upstream Network	0.86
% Natural Cover in ARA of Downstream Network	58.24	% Barren Cover in ARA of Downstream Network	0.07
% Forest Cover in ARA of Upstream Network	37.02	% Road Impervious in ARA of Upstream Network	0.9
% Forest Cover in ARA of Downstream Network	49.26	% Road Impervious in ARA of Downstream Network	1.16
% Agricultural Cover in ARA of Upstream Network	28.9	% Other Impervious in ARA of Upstream Network	1.37
% Agricultural Cover in ARA of Downstream Network	27.99	% Other Impervious in ARA of Downstream Network	2.15
% Impervious Surf in ARA of Upstream Network	1.09		
% Impervious Surf in ARA of Downstream Network	1.74		

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)	25.02	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	208.66	# Downstream Natural Barriers	1
Absolute Gain (mi)	25.02	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	2	# of Downstream Barriers	2
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	27.64		
% Conserved Land in 100m Buffer of Downstream Network	22.35		
Density of Crossings in Upstream Network Watershed (#/m2)	0.69		
Density of Crossings in Downstream Network Watershed (#/m2)	1.34		
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
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	3

Resident Fish and Rare Species

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)	No
Native Fish Species Richness (HUC8)	52
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

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

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf