

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_31-056** **WHIPPLE**

Diadromous Tier	7
Brook Trout Tier	N/A
Resident Tier	8
NID ID	PA01060
State ID	31-056
River Name	Laurel Run
Dam Height (ft)	16
Dam Type	Earth
Latitude	40.683
Longitude	-77.8656
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Laurel Run
HUC 10	Standing Stone Creek
HUC 8	Upper Juniata
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.04	% Tree Cover in ARA of Upstream Network	95.49
% Natural Cover in Upstream Drainage Area	97.08	% Tree Cover in ARA of Downstream Network	93.44
% Forested in Upstream Drainage Area	96.78	% Herbaceous Cover in ARA of Upstream Network	2.08
% Agriculture in Upstream Drainage Area	0.18	% Herbaceous Cover in ARA of Downstream Network	5.59
% Natural Cover in ARA of Upstream Network	89.47	% Barren Cover in ARA of Upstream Network	0.34
% Natural Cover in ARA of Downstream Network	93.09	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	87.57	% Road Impervious in ARA of Upstream Network	0.52
% Forest Cover in ARA of Downstream Network	92.9	% Road Impervious in ARA of Downstream Network	0.33
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.05
% Agricultural Cover in ARA of Downstream Network	1.32	% Other Impervious in ARA of Downstream Network	0.39
% Impervious Surf in ARA of Upstream Network	0.16		
% Impervious Surf in ARA of Downstream Network	0.27		

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: **PA_31-056** **WHIPPLE**

Network, System Type and Condition

Functional Upstream Network (mi)	14.26	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	22.38	# Downstream Natural Barriers	0
Absolute Gain (mi)	8.11	# Downstream Hydropower Dams	4
# Size Classes in Total Network	2	# Downstream Dams with Passage	6
# Upstream Network Size Classes	2	# of Downstream Barriers	8
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	95.84		
% Conserved Land in 100m Buffer of Downstream Network	30.06		
Density of Crossings in Upstream Network Watershed (#/m2)	0.37		
Density of Crossings in Downstream Network Watershed (#/m2)	1.12		
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	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	Historical		
# 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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	30
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	0
# 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	Good

Metric descriptions can be found at:

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