Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00334** **LAKE HERITAGE**

Bay-wide Diadromous Tier	20
Bay-wide Resident Tier	16
Bay-wide Brook Trout Tier	N/A
NID ID	PA00334
State ID	PA00334
River Name	Plum Run
Dam Height (ft)	53
Dam Type	Earth
Latitude	39.7993
Longitude	-77.1914
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Lower Rock Creek
HUC 10	Rock Creek
HUC 8	Monocacy
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	4.98	% Tree Cover in ARA of Upstream Network	27.76
% Natural Cover in Upstream Drainage Area	27.82	% Tree Cover in ARA of Downstream Network	30.76
% Forested in Upstream Drainage Area	11.86	% Herbaceaous Cover in ARA of Upstream Network	57.69
% Agriculture in Upstream Drainage Area	40.97	% Herbaceaous Cover in ARA of Downstream Network	62.51
% Natural Cover in ARA of Upstream Network	30.31	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	25.72	% Barren Cover in ARA of Downstream Network	0.27
% Forest Cover in ARA of Upstream Network	9.98	% Road Impervious in ARA of Upstream Network	1.73
% Forest Cover in ARA of Downstream Network	14.57	% Road Impervious in ARA of Downstream Network	1.55
% Agricultral Cover in ARA of Upstream Network	38.99	% Other Impervious in ARA of Upstream Network	4.94
% Agricultral Cover in ARA of Downstream Network	58.76	% Other Impervious in ARA of Downstream Network	3.75
% Impervious Surf in ARA of Upstream Network	4.95		
% Impervious Surf in ARA of Downstream Network	3.69		

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)	10.5	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	259.94	# Downsteam Natural Barriers	1
Absolute Gain (mi)	10.5	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	3

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	3.41
% Conserved Land in 100m Buffer of Downstream Network	8.63
Density of Crossings in Upstream Network Watershed (#/m2)	1.71
Density of Crossings in Downstream Network Watershed (#/m2)	1.27
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	Current

Presence of 1 or More Downstream Anadromous Species	None Docume
# 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)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
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	Poor

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The Nature Conservancy