Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12153** **NEW GERMANY STATE PARK DAM**

Bay-wide Diadromous Tier	13
Bay-wide Resident Tier	4
Bay-wide Brook Trout Tier	2
NID ID	MD00102
State ID	12153
River Name	Poplar Lick Run
Dam Height (ft)	12
Dam Type	Earth
Latitude	39.6328
Longitude	-79.1227
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Upper Savage River
HUC 10	Savage River
HUC 8	North Branch Potomac
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.17
% Natural Cover in Upstream Drainage Area	88.04
% Forested in Upstream Drainage Area	85.22
% Agriculture in Upstream Drainage Area	7.09
% Natural Cover in ARA of Upstream Network	97.96
% Natural Cover in ARA of Downstream Network	90.08
% Forest Cover in ARA of Upstream Network	87.17
% Forest Cover in ARA of Downstream Network	86.49
% Agricultral Cover in ARA of Upstream Network	0.6
% Agricultral Cover in ARA of Downstream Network	4.15
% Impervious Surf in ARA of Upstream Network	0.04
% Impervious Surf in ARA of Downstream Network	0.36

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	90.21
% Tree Cover in ARA of Downstream Network	89.05
% Herbaceaous Cover in ARA of Upstream Network	7.97
% Herbaceaous Cover in ARA of Downstream Network	7.24
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0.01
% Road Impervious in ARA of Upstream Network	0.28
% Road Impervious in ARA of Downstream Network	0.42
% Other Impervious in ARA of Upstream Network	0.38
% Other Impervious in ARA of Downstream Network	0.75

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)	1.75	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	179.34	# Downsteam Natural Barriers	1
Absolute Gain (mi)	1.75	# Downstream Hydropower Dams	2
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	10

NFHAP Cumulative Disturbance Index	Moderate
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	71.79
% Conserved Land in 100m Buffer of Downstream Network	59.25
Density of Crossings in Upstream Network Watershed (#/m2)	0.22
Density of Crossings in Downstream Network Watershed (#/m2)	0.63
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

Barrier is in EBTJV BKT Catchment	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# 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	EXCELLENT
MD MBSS Benthic IBI Stream Health	Good
MD MBSS Fish IBI Stream Health	Good
MD MBSS Combined IBI Stream Health	Good
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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