

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PA012**

Bay-wide Diadromous Tier	15
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	PA012
River Name	Gwynns Falls
Dam Height (ft)	0
Dam Type	Unspecified Type
Latitude	39.327
Longitude	-76.7151
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Dead Run-Gwynns Falls
HUC 10	Gwynns Falls
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	20.11	% Tree Cover in ARA of Upstream Network	54.46
% Natural Cover in Upstream Drainage Area	24.81	% Tree Cover in ARA of Downstream Network	59.69
% Forested in Upstream Drainage Area	22.24	% Herbaceous Cover in ARA of Upstream Network	27.46
% Agriculture in Upstream Drainage Area	4.75	% Herbaceous Cover in ARA of Downstream Network	14.4
% Natural Cover in ARA of Upstream Network	34.21	% Barren Cover in ARA of Upstream Network	0.14
% Natural Cover in ARA of Downstream Network	38.3	% Barren Cover in ARA of Downstream Network	0.24
% Forest Cover in ARA of Upstream Network	27.49	% Road Impervious in ARA of Upstream Network	5.11
% Forest Cover in ARA of Downstream Network	36.62	% Road Impervious in ARA of Downstream Network	6.23
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	4.04
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	18.98
% Impervious Surf in ARA of Upstream Network	10.7		
% Impervious Surf in ARA of Downstream Network	19.41		

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)	0.75	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	7.2	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.75	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	2
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	58.45		
% Conserved Land in 100m Buffer of Downstream Network	36.73		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	4.1		
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	No
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

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

Metric descriptions can be found at:

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