Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_GU008**

Bay-wide Diadromous Tier	2
Bay-wide Resident Tier	9
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	GU008
River Name	Gunpowder Falls
Dam Height (ft)	35
Dam Type	Unspecified Type
Latitude	39.4257
Longitude	-76.5417
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Long Green Creek
HUC 10	Lower Gunpowder 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	2.39	% Tree Cover in ARA of Upstream Network	77.14
% Natural Cover in Upstream Drainage Area	46.54	% Tree Cover in ARA of Downstream Network	57.45
% Forested in Upstream Drainage Area	41.37	% Herbaceaous Cover in ARA of Upstream Network	6.09
% Agriculture in Upstream Drainage Area	36.52	% Herbaceaous Cover in ARA of Downstream Network	31.31
% Natural Cover in ARA of Upstream Network	87.07	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	66.19	% Barren Cover in ARA of Downstream Network	0.24
% Forest Cover in ARA of Upstream Network	72.84	% Road Impervious in ARA of Upstream Network	1.3
% Forest Cover in ARA of Downstream Network	42.51	% Road Impervious in ARA of Downstream Network	1.53
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	3.13
% Agricultral Cover in ARA of Downstream Network	8.39	% Other Impervious in ARA of Downstream Network	5.64
% Impervious Surf in ARA of Upstream Network	2.81		
% Impervious Surf in ARA of Downstream Network	5.8		

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)	1.55	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	195.88	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1.55	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	68.7
% Conserved Land in 100m Buffer of Downstream Network	40.26
Density of Crossings in Upstream Network Watershed (#/m2)	1.34
Density of Crossings in Downstream Network Watershed (#/m2)	1.04
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	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	5

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

Stream Health

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

Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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The Nature Conservancy