Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12021** **PRETTYBOY DAM**

Diadromous Tier	8
Brook Trout Tier	N/A
Resident Tier	3
NID ID	MD00001
State ID	12021
River Name	Gunpowder Falls
Dam Height (ft)	155
Dam Type	Gravity
Latitude	39.6197
Longitude	-76.7075
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Prettyboy Reservoir-Gunpowder
HUC 10	Upper Gunpowder Falls
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.85
% Natural Cover in Upstream Drainage Area	44.06
% Forested in Upstream Drainage Area	37.68
% Agriculture in Upstream Drainage Area	46.69
% Natural Cover in ARA of Upstream Network	69.41
% Natural Cover in ARA of Downstream Network	66.04
% Forest Cover in ARA of Upstream Network	51.98
% Forest Cover in ARA of Downstream Network	52.81
% Agricultral Cover in ARA of Upstream Network	24.84
% Agricultral Cover in ARA of Downstream Network	20
% Impervious Surf in ARA of Upstream Network	0.48
% Impervious Surf in ARA of Downstream Network	2.29

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	61.71
% Tree Cover in ARA of Downstream Network	62.08
% Herbaceaous Cover in ARA of Upstream Network	24.19
% Herbaceaous Cover in ARA of Downstream Network	26.08
% Barren Cover in ARA of Upstream Network	0.01
% Barren Cover in ARA of Downstream Network	0.37
% Road Impervious in ARA of Upstream Network	0.56
% Road Impervious in ARA of Downstream Network	1.09
% Other Impervious in ARA of Upstream Network	1.05
% Other Impervious in ARA of Downstream Network	2.71

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)	163.99	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	567.38	# Downsteam Natural Barriers	0
Absolute Gain (mi)	163.99	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	34.98
% Conserved Land in 100m Buffer of Downstream Network	40.9
Density of Crossings in Upstream Network Watershed (#/m2)	1.11
Density of Crossings in Downstream Network Watershed (#/m2)	1.08
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	Historical	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented

Presence of 1 or More Downstream Anadromous Species	Historical
# Diadromous Species Downstream (incl eel)	0

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	FAIR
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	Insufficient Dat

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