Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_147   HEALEYS DAM

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	3
Bay-wide Brook Trout Tier	N/A
NID ID	VA11901
State ID	147
River Name	
Dam Height (ft)	17
Dam Type	Gravity
Latitude	37.5648
Longitude	-76.5037
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Carvers Creek-Piankatank River
HUC 10	Piankatank River-Lower Chesape
HUC 8	Great Wicomico-Piankatank
HUC 6	Lower Chesapeake
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.46	% Tree Cover in ARA of Upstream Network	88.69
% Natural Cover in Upstream Drainage Area	61.48	% Tree Cover in ARA of Downstream Network	84.22
% Forested in Upstream Drainage Area	48.09	% Herbaceaous Cover in ARA of Upstream Network	2.14
% Agriculture in Upstream Drainage Area	31.36	% Herbaceaous Cover in ARA of Downstream Network	6.93
% Natural Cover in ARA of Upstream Network	95.61	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	90.41	% Barren Cover in ARA of Downstream Network	0.06
% Forest Cover in ARA of Upstream Network	59.87	% Road Impervious in ARA of Upstream Network	0.16
% Forest Cover in ARA of Downstream Network	40.26	% Road Impervious in ARA of Downstream Network	0.3
% Agricultral Cover in ARA of Upstream Network	3.72	% Other Impervious in ARA of Upstream Network	0.57
% Agricultral Cover in ARA of Downstream Network	6.78	% Other Impervious in ARA of Downstream Network	0.38
% Impervious Surf in ARA of Upstream Network	0.07		
% Impervious Surf in ARA of Downstream Network	0.27		

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)	6.27	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	448.76	# Downsteam Natural Barriers	0
Absolute Gain (mi)	6.27	# 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	No
% Conserved Land in 100m Buffer of Upstream Network	2.8
% Conserved Land in 100m Buffer of Downstream Network	15.46
Density of Crossings in Upstream Network Watershed (#/m2)	0.35
Density of Crossings in Downstream Network Watershed (#/m2)	0.3
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	3

Resident Fish and Rare Species

		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	FAIR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	37	VA INSTAR mIBI Stream Health	Very High
# Rare Fish (HUC8)	1	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	0		
# Rare Crayfish (HUC8)	0		
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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