

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1180**

HOLMES RUN DAM #2A

Diadromous Tier	18
Brook Trout Tier	N/A
Resident Tier	14
NID ID	
State ID	1180
River Name	Holmes Run
Dam Height (ft)	18
Dam Type	Gravity
Latitude	38.8577
Longitude	-77.212
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Cameron Run
HUC 10	Cameron Run-Potomac River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	25.11	% Tree Cover in ARA of Upstream Network	43.85
% Natural Cover in Upstream Drainage Area	18.32	% Tree Cover in ARA of Downstream Network	62.65
% Forested in Upstream Drainage Area	14.3	% Herbaceous Cover in ARA of Upstream Network	18.46
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	11.23
% Natural Cover in ARA of Upstream Network	26.36	% Barren Cover in ARA of Upstream Network	2.26
% Natural Cover in ARA of Downstream Network	52.64	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	11.82	% Road Impervious in ARA of Upstream Network	19.5
% Forest Cover in ARA of Downstream Network	29.96	% Road Impervious in ARA of Downstream Network	6.28
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	10.89
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	8.57
% Impervious Surf in ARA of Upstream Network	22.39		
% Impervious Surf in ARA of Downstream Network	10.23		

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)	4.85	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	15.79	# Downstream Natural Barriers	0
Absolute Gain (mi)	4.85	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	8.8		
% Conserved Land in 100m Buffer of Downstream Network	18.21		
Density of Crossings in Upstream Network Watershed (#/m2)	4.73		
Density of Crossings in Downstream Network Watershed (#/m2)	1.3		
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	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	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)	62
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	5
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	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	Very High
PA IBI Stream Health	N/A

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