

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_18-003**

SUPPLY

Bay-wide Diadromous Tier 10
 Bay-wide Resident Tier 2
 Bay-wide Brook Trout Tier 7
 NID ID
 State ID 18-003
 River Name Chatham Run
 Dam Height (ft) 13
 Dam Type Stone
 Latitude 41.2063
 Longitude -77.3844
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1b: Creek (3.861 - 38.61 sq mi)
 HUC 12 Chatham Run
 HUC 10 Lower West Branch Susquehann
 HUC 8 Middle West Branch Susquehan
 HUC 6 West Branch Susquehanna
 HUC 4 Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.3	% Tree Cover in ARA of Upstream Network	98.01
% Natural Cover in Upstream Drainage Area	93.22	% Tree Cover in ARA of Downstream Network	68.74
% Forested in Upstream Drainage Area	87.64	% Herbaceous Cover in ARA of Upstream Network	1.27
% Agriculture in Upstream Drainage Area	5.32	% Herbaceous Cover in ARA of Downstream Network	23.35
% Natural Cover in ARA of Upstream Network	99.46	% Barren Cover in ARA of Upstream Network	0.09
% Natural Cover in ARA of Downstream Network	71.46	% Barren Cover in ARA of Downstream Network	0.16
% Forest Cover in ARA of Upstream Network	97.65	% Road Impervious in ARA of Upstream Network	0.19
% Forest Cover in ARA of Downstream Network	63.46	% Road Impervious in ARA of Downstream Network	1.49
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.02
% Agricultural Cover in ARA of Downstream Network	18.38	% Other Impervious in ARA of Downstream Network	2.39
% Impervious Surf in ARA of Upstream Network	0.04		
% Impervious Surf in ARA of Downstream Network	2.27		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_18-003** **SUPPLY**

Network, System Type and Condition			
Functional Upstream Network (mi)	17.23	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1975.75	# Downsteam Natural Barriers	0
Absolute Gain (mi)	17.23	# Downstream Hydropower Dams	4
# Size Classes in Total Network	6	# Downstream Dams with Passage	6
# Upstream Network Size Classes	2	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index		Low	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		12.68	
% Conserved Land in 100m Buffer of Downstream Network		38.6	
Density of Crossings in Upstream Network Watershed (#/m2)		0.23	
Density of Crossings in Downstream Network Watershed (#/m2)		0.72	
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	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	None Documented	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	None Docume	# Diadromous Sp Dnstrm (incl eel)	1
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	Yes	Chesapeake Bay Program Stream Health	NO_SCORE
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)	24	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Good
# Rare Mussel (HUC8)	1		
# 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	Yes	Rare fish or mussel in upstream or downstream functional network	Yes

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf