

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1481256		Ad Cox Knob Dam	Moore s Creek Dam
Bay-wide Diadromous Tier	16		
Bay-wide Resident Tier	4		
Bay-wide Brook Trout Tier	N/A		
NID ID	VA16304		
State ID	1481256		
River Name	Moore Creek		
Dam Height (ft)	90		
Dam Type			
Latitude	37.7465		
Longitude	-79.6462		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1b: Creek (3.861 - 38.61 sq mi)		
HUC 12	North Buffalo Creek		
HUC 10	Lower Maury River		
HUC 8	Maury		
HUC 6	James		
HUC 4	Lower Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.02	% Tree Cover in ARA of Upstream Network	91.46
% Natural Cover in Upstream Drainage Area	99.76	% Tree Cover in ARA of Downstream Network	79.82
% Forested in Upstream Drainage Area	98.15	% Herbaceous Cover in ARA of Upstream Network	0.42
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	16.17
% Natural Cover in ARA of Upstream Network	100	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	76.44	% Barren Cover in ARA of Downstream Network	0.07
% Forest Cover in ARA of Upstream Network	90.59	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	73.79	% Road Impervious in ARA of Downstream Network	1.21
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.01
% Agricultral Cover in ARA of Downstream Network	14.36	% Other Impervious in ARA of Downstream Network	1.07
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	1.46		

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)	4.18	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	4246.94	# Downsteam Natural Barriers		0	
Absolute Gain (mi)	4.18	# Downstream Hydropower Dams		8	
# Size Classes in Total Network	5	# Downstream Dams with Passage		4	
# Upstream Network Size Classes	1	# of Downstream Barriers		11	
NFHAP Cumulative Disturbance Index		Moderate			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		87.98			
% Conserved Land in 100m Buffer of Downstream Network		44.34			
Density of Crossings in Upstream Network Watershed (#/m2)		0.79			
Density of Crossings in Downstream Network Watershed (#/m2)		1.42			
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	None Documented		
Presence of 1 or More Downstream Anadromous Species		None Docume			
# Diadromous Species Downstream (incl eel)		0			
Resident Fish			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	Yes	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)	39	VA INSTAR mIBI Stream Health	High		
# Rare Fish (HUC8)	0	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	2				
# Rare Crayfish (HUC8)	0				

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf