

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_VA15924** NVCC Woodbridge Campus Dam

Bay-wide Diadromous Tier	3
Bay-wide Resident Tier	9
Bay-wide Brook Trout Tier	N/A
NID ID	VA15924
State ID	VA15924
River Name	
Dam Height (ft)	48.4
Dam Type	
Latitude	38.6176
Longitude	-77.2948
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Neabsco Creek
HUC 10	Ocoquan River-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	14.02	% Tree Cover in ARA of Upstream Network	33.85
% Natural Cover in Upstream Drainage Area	60.81	% Tree Cover in ARA of Downstream Network	40.85
% Forested in Upstream Drainage Area	53.72	% Herbaceous Cover in ARA of Upstream Network	6.79
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	14.06
% Natural Cover in ARA of Upstream Network	62.98	% Barren Cover in ARA of Upstream Network	22.87
% Natural Cover in ARA of Downstream Network	64.34	% Barren Cover in ARA of Downstream Network	0.22
% Forest Cover in ARA of Upstream Network	54.89	% Road Impervious in ARA of Upstream Network	2.15
% Forest Cover in ARA of Downstream Network	19.23	% Road Impervious in ARA of Downstream Network	5.54
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	25.85
% Agricultural Cover in ARA of Downstream Network	0.21	% Other Impervious in ARA of Downstream Network	7.76
% Impervious Surf in ARA of Upstream Network	13.65		
% Impervious Surf in ARA of Downstream Network	9.58		

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: **VA_VA15924** **NVCC Woodbridge Campus Dam**

Network, System Type and Condition

Functional Upstream Network (mi)	0.53	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	133.32	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.53	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# 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	0		
% Conserved Land in 100m Buffer of Downstream Network	10.11		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	1.65		
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
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	3		

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	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	Moderate
PA IBI Stream Health	N/A

Metric descriptions can be found at:

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