Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12280** **WESTLAKE VILLAGE LAKE 3**

Diadromous Tier	18
Brook Trout Tier	N/A
Resident Tier	18
NID ID	MD00254
State ID	12280
River Name	
Dam Height (ft)	11
Dam Type	Earth / Other
Latitude	38.6261
Longitude	-76.9276
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Piney Branch-Mattawoman Cree
HUC 10	Quantico Creek-Potomac River
HUC 8	Lower Potomac
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	52.22
% Natural Cover in Upstream Drainage Area	9.21
% Forested in Upstream Drainage Area	2.21
% Agriculture in Upstream Drainage Area	0
% Natural Cover in ARA of Upstream Network	8.85
% Natural Cover in ARA of Downstream Network	14.66
% Forest Cover in ARA of Upstream Network	1.46
% Forest Cover in ARA of Downstream Network	10.53
% Agricultral Cover in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	49.17
% Impervious Surf in ARA of Downstream Network	47.98

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	18.66
% Tree Cover in ARA of Downstream Network	28.39
% Herbaceaous Cover in ARA of Upstream Network	19.96
% Herbaceaous Cover in ARA of Downstream Network	15.64
% Barren Cover in ARA of Upstream Network	1.68
% Barren Cover in ARA of Downstream Network	0.44
% Road Impervious in ARA of Upstream Network	8.36
% Road Impervious in ARA of Downstream Network	6.58
% Other Impervious in ARA of Upstream Network	45.5
% Other Impervious in ARA of Downstream Network	46.01

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12280** **WESTLAKE VILLAGE LAKE 3**

Network, System Type and Condition

Functional Upstream Network (mi)	0.71	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	2.02	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.71	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	1

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	0
Density of Crossings in Upstream Network Watershed (#/m2)	1.22
Density of Crossings in Downstream Network Watershed (#/m2)	0.91
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	Current

Presence of 1 or More Downstream Anadromous Species	Historical
# Diadromous Species Downstream (incl eel)	1

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)	55
# Rare Fish (HUC8)	3
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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	N/A
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

The Nature Conservancy