Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1154**   TIMBERVILLE DAM

Bay-wide Diadromous Tier	15
Bay-wide Resident Tier	5
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	1154
River Name	North Fork Shenandoah River
Dam Height (ft)	0
Dam Type	Concrete
Latitude	38.6273
Longitude	-78.783
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Long Meadow-North Fork Shena
HUC 10	Linville Creek-North Fork Shena
HUC 8	North Fork Shenandoah
HUC 6	Potomac
HUC 4	Potomac

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No Photo Available
No Photo Available

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.66	% Tree Cover in ARA of Upstream Network	65.44
% Natural Cover in Upstream Drainage Area	75.05	% Tree Cover in ARA of Downstream Network	41.96
% Forested in Upstream Drainage Area	74.7	% Herbaceaous Cover in ARA of Upstream Network	28.86
% Agriculture in Upstream Drainage Area	20.95	% Herbaceaous Cover in ARA of Downstream Network	50.3
% Natural Cover in ARA of Upstream Network	62.09	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	36.27	% Barren Cover in ARA of Downstream Network	0.18
% Forest Cover in ARA of Upstream Network	61.24	% Road Impervious in ARA of Upstream Network	1.99
% Forest Cover in ARA of Downstream Network	34.07	% Road Impervious in ARA of Downstream Network	2.4
% Agricultral Cover in ARA of Upstream Network	29.05	% Other Impervious in ARA of Upstream Network	2.27
% Agricultral Cover in ARA of Downstream Network	52.05	% Other Impervious in ARA of Downstream Network	3.31
% Impervious Surf in ARA of Upstream Network	1.34		
% Impervious Surf in ARA of Downstream Network	1.93		

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)	686.32	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1507.44	# Downsteam Natural Barriers	1
Absolute Gain (mi)	686.32	# Downstream Hydropower Dams	5
# Size Classes in Total Network	4	# Downstream Dams with Passage	3
# Upstream Network Size Classes	4	# of Downstream Barriers	9
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		28.6	
% Conserved Land in 100m Buffer of Downstream Network		9.35	
Density of Crossings in Upstream Network Watershed (#/m2)		1.59	
Density of Crossings in Downstream Network Watershed (#/m2)		1.35	
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
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	0

Resident Fish and Rare Species

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)	28
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	Moderate
PA IBI Stream Health	N/A

Rare fish or mussel sp in HUC12	Yes
Rare fish or mussel in upstream or downstream functional network	Yes

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