



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_435		LEE DAM	Nottoway Dam	
Bay-wide Diadromous Tier	2			
Bay-wide Resident Tier	1			
Bay-wide Brook Trout Tier	N/A			
NID ID	VA13507			
State ID	435			
River Name	Lees Creek			
Dam Height (ft)	35			
Dam Type	Earth			
Latitude	37.1671			
Longitude	-77.9831			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1b: Creek (3.861 - 38.61 sq mi)			
HUC 12	Cellar Creek			
HUC 10	Deep Creek			
HUC 8	Appomattox			
HUC 6	James			
HUC 4	Lower Chesapeake			

Landcover				
NLCD (2011)		Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	1.2	% Tree Cover in ARA of Upstream Network		77.58
% Natural Cover in Upstream Drainage Area	79.72	% Tree Cover in ARA of Downstream Network		86.58
% Forested in Upstream Drainage Area	64.49	% Herbaceous Cover in ARA of Upstream Network		4.35
% Agriculture in Upstream Drainage Area	14.15	% Herbaceous Cover in ARA of Downstream Network		9.87
% Natural Cover in ARA of Upstream Network	94.63	% Barren Cover in ARA of Upstream Network		0.35
% Natural Cover in ARA of Downstream Network	88.39	% Barren Cover in ARA of Downstream Network		0.08
% Forest Cover in ARA of Upstream Network	58.19	% Road Impervious in ARA of Upstream Network		0.68
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network		0.36
% Agricultural Cover in ARA of Upstream Network	2.32	% Other Impervious in ARA of Upstream Network		0.24
% Agricultural Cover in ARA of Downstream Network	9.87	% Other Impervious in ARA of Downstream Network		0.38
% Impervious Surf in ARA of Upstream Network	0.74			
% Impervious Surf in ARA of Downstream Network	0.27			

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)	13.23	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	2969.91	# Downstream Natural Barriers		0	
Absolute Gain (mi)	13.23	# Downstream Hydropower Dams		3	
# Size Classes in Total Network	5	# Downstream Dams with Passage		3	
# Upstream Network Size Classes	2	# of Downstream Barriers		3	
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		1.66			
% Conserved Land in 100m Buffer of Downstream Network		5.91			
Density of Crossings in Upstream Network Watershed (#/m2)		0.52			
Density of Crossings in Downstream Network Watershed (#/m2)		0.5			
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	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	
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)		2	
Resident Fish and Rare Species			Stream Health		
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health		POOR	
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)	58	VA INSTAR mIBI Stream Health		Moderate	
# Rare Fish (HUC8)	1	PA IBI Stream Health		N/A	
# Rare Mussel (HUC8)	3				
# 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	No	Rare fish or mussel in upstream or downstream functional network		Yes	

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