


Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_805		DEER LAKE DAM	Camp Chickahomony Lake Dam	
Bay-wide Diadromous Tier	17			
Bay-wide Resident Tier	9			
Bay-wide Brook Trout Tier	N/A			
NID ID	VA09505			
State ID	805			
River Name				
Dam Height (ft)	24			
Dam Type				
Latitude	37.346			
Longitude	-76.7905			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	Yarmouth Creek-Chickahominy			
HUC 10	Lower Chickahominy River			
HUC 8	Lower James			
HUC 6	James			
HUC 4	Lower Chesapeake			

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.22	% Tree Cover in ARA of Upstream Network	85.65
% Natural Cover in Upstream Drainage Area	99.05	% Tree Cover in ARA of Downstream Network	83.63
% Forested in Upstream Drainage Area	82.3	% Herbaceous Cover in ARA of Upstream Network	0.36
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	8.73
% Natural Cover in ARA of Upstream Network	100	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	81.08	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	79.2	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	51.61	% Road Impervious in ARA of Downstream Network	1.74
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.14
% Agricultural Cover in ARA of Downstream Network	3.97	% Other Impervious in ARA of Downstream Network	3.04
% Impervious Surf in ARA of Upstream Network	0.07		
% Impervious Surf in ARA of Downstream Network	3.14		

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_805		DEER LAKE DAM		Camp Chickahomony Lake Dam	
Network, System Type and Condition					
Functional Upstream Network (mi)	0.17	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	18.12	# Downsteam Natural Barriers		0	
Absolute Gain (mi)	0.17	# Downstream Hydropower Dams		0	
# Size Classes in Total Network	1	# Downstream Dams with Passage		0	
# Upstream Network Size Classes	0	# 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		100			
% Conserved Land in 100m Buffer of Downstream Network		24.53			
Density of Crossings in Upstream Network Watershed (#/m2)		0			
Density of Crossings in Downstream Network Watershed (#/m2)		0.52			
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	Current		
Presence of 1 or More Downstream Anadromous Species		None Docume			
# Diadromous Species Downstream (incl eel)		1			
Resident Fish			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)	62	VA INSTAR mIBI Stream Health	Very High		
# Rare Fish (HUC8)	2	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	1				
# 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