





Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_113		PRUESS FARM DAM	Teel Mt. Farm Dam	
Bay-wide Diadromous Tier	7			
Bay-wide Resident Tier	10			
Bay-wide Brook Trout Tier	N/A			
NID ID	VA07902			
State ID	113			
River Name				
Dam Height (ft)	29			
Dam Type	Other			
Latitude	38.3483			
Longitude	-78.4411			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	South River-Rapidan River			
HUC 10	Conway River-Rapidan River			
HUC 8	Rapidan-Upper Rappahannock			
HUC 6	Lower Chesapeake			
HUC 4	Lower Chesapeake			

Landcover				
NLCD (2011)		Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	0.14	% Tree Cover in ARA of Upstream Network		18.07
% Natural Cover in Upstream Drainage Area	51.52	% Tree Cover in ARA of Downstream Network		59.12
% Forested in Upstream Drainage Area	48.8	% Herbaceous Cover in ARA of Upstream Network		57.52
% Agriculture in Upstream Drainage Area	44.09	% Herbaceous Cover in ARA of Downstream Network		37.94
% Natural Cover in ARA of Upstream Network	45.05	% Barren Cover in ARA of Upstream Network		0
% Natural Cover in ARA of Downstream Network	45.08	% Barren Cover in ARA of Downstream Network		0.35
% Forest Cover in ARA of Upstream Network	12.09	% Road Impervious in ARA of Upstream Network		0.07
% Forest Cover in ARA of Downstream Network	42.26	% Road Impervious in ARA of Downstream Network		0.72
% Agricultural Cover in ARA of Upstream Network	42.86	% Other Impervious in ARA of Upstream Network		0
% Agricultural Cover in ARA of Downstream Network	49.71	% Other Impervious in ARA of Downstream Network		0.61
% Impervious Surf in ARA of Upstream Network	0.56			
% Impervious Surf in ARA of Downstream Network	0.5			

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)	0.7	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	521.18	# Downsteam Natural Barriers		0	
Absolute Gain (mi)	0.7	# Downstream Hydropower Dams		0	
# Size Classes in Total Network	4	# Downstream Dams with Passage		1	
# Upstream Network Size Classes	1	# of Downstream Barriers		2	
NFHAP Cumulative Disturbance Index		High			
Dam is on Conserved Land		Yes			
% Conserved Land in 100m Buffer of Upstream Network		77.31			
% Conserved Land in 100m Buffer of Downstream Network		33.18			
Density of Crossings in Upstream Network Watershed (#/m2)		0			
Density of Crossings in Downstream Network Watershed (#/m2)		0.88			
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	
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)		1	
Resident Fish and Rare Species			Stream Health		
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health		EXCELLENT	
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health		N/A	
Barrier Blocks an EBTJV Catchment	Yes	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)	38	VA INSTAR mIBI Stream Health		Very High	
# Rare Fish (HUC8)	0	PA IBI Stream Health		N/A	
# Rare Mussel (HUC8)	4				
# 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		No	

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