


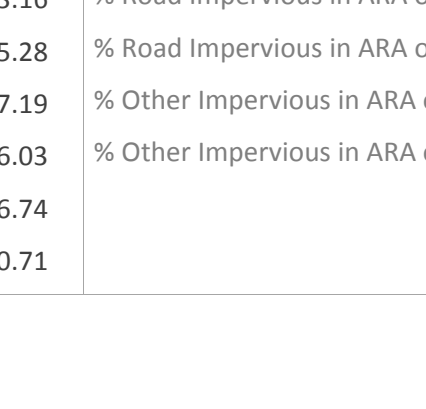
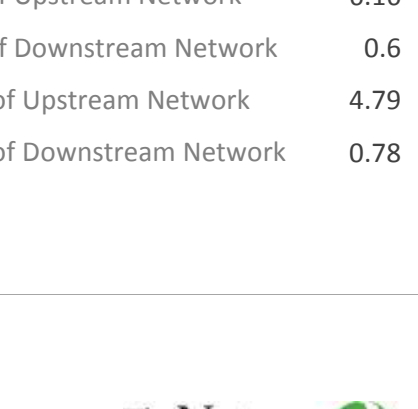


Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1489930		Reynolds Farm Dam	Deer Lake
Bay-wide Diadromous Tier	7		
Bay-wide Resident Tier	8		
Bay-wide Brook Trout Tier	N/A		
NID ID	VA07908		
State ID	1489930		
River Name			
Dam Height (ft)	12		
Dam Type	Earth		
Latitude	38.215		
Longitude	-78.3833		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1a: Headwater (0 - 3.861 sq mi)		
HUC 12	Preddy Creek		
HUC 10	North Fork Rivanna River		
HUC 8	Rivanna		
HUC 6	James		
HUC 4	Lower Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	5.92	% Tree Cover in ARA of Upstream Network	45.25
% Natural Cover in Upstream Drainage Area	43.47	% Tree Cover in ARA of Downstream Network	79.1
% Forested in Upstream Drainage Area	41.94	% Herbaceous Cover in ARA of Upstream Network	29.04
% Agriculture in Upstream Drainage Area	23.26	% Herbaceous Cover in ARA of Downstream Network	15.73
% Natural Cover in ARA of Upstream Network	35.96	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	79.33	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	13.16	% Road Impervious in ARA of Upstream Network	6.16
% Forest Cover in ARA of Downstream Network	65.28	% Road Impervious in ARA of Downstream Network	0.6
% Agricultural Cover in ARA of Upstream Network	27.19	% Other Impervious in ARA of Upstream Network	4.79
% Agricultural Cover in ARA of Downstream Network	16.03	% Other Impervious in ARA of Downstream Network	0.78
% Impervious Surf in ARA of Upstream Network	6.74		
% Impervious Surf in ARA of Downstream Network	0.71		

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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CFPPP Unique ID: VA_1489930		Reynolds Farm Dam		Deer Lake	
Network, System Type and Condition					
Functional Upstream Network (mi)	2.08	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	5433.11	# Downsteam Natural Barriers		0	
Absolute Gain (mi)	2.08	# Downstream Hydropower Dams		2	
# Size Classes in Total Network	6	# Downstream Dams with Passage		4	
# Upstream Network Size Classes	1	# of Downstream Barriers		4	
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		11.23			
Density of Crossings in Upstream Network Watershed (#/m2)		3.54			
Density of Crossings in Downstream Network Watershed (#/m2)		0.84			
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	Potential Current	Downstream Striped Bass		None Documented	
Downstream Blueback	Potential Current	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	Potential Curre	# 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		FAIR	
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)	36	VA INSTAR mIBI Stream Health		Moderate	
# 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	Yes	Rare fish or mussel in upstream or downstream functional network		Yes	

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