Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID:	VA_1304a TOWN OF OR	TOWN OF ORANGE DAM			
Diadromous Tier	8				
Brook Trout Tier	N/A				
Resident Tier	5				
NID ID	VA02929				
State ID	1304a	NoF			
River Name	Rapidan River	\ A			
Dam Height (ft)	38				
Dam Type	Gravity				
Latitude	38.2658				
Longitude	-78.1572				
Passage Facilities	Denil	/			
Passage Year	2003				
Size Class	3a: Medium Tributary River (20	00			

Poplar Run-Rapidan River

Rapidan-Upper Rappahannock

Blue Run-Rapidan River

Lower Chesapeake

Lower Chesapeake

HUC 12

HUC 10

HUC 8

HUC 4



	Land	cover			
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0.59	% Tree Cover in ARA of Upstream Network	59.12		
% Natural Cover in Upstream Drainage Area	60.26	% Tree Cover in ARA of Downstream Network	55.58		
% Forested in Upstream Drainage Area	58.8	% Herbaceaous Cover in ARA of Upstream Network	37.94		
% Agriculture in Upstream Drainage Area	34.16	% Herbaceaous Cover in ARA of Downstream Network	41.39		
% Natural Cover in ARA of Upstream Network	45.08	% Barren Cover in ARA of Upstream Network	0.35		
% Natural Cover in ARA of Downstream Network	41.91	% Barren Cover in ARA of Downstream Network	0		
% Forest Cover in ARA of Upstream Network	42.26	% Road Impervious in ARA of Upstream Network	0.72		
% Forest Cover in ARA of Downstream Network	37.83	% Road Impervious in ARA of Downstream Network	0.93		
% Agricultral Cover in ARA of Upstream Network	49.71	% Other Impervious in ARA of Upstream Network	0.61		
% Agricultral Cover in ARA of Downstream Network	51.17	% Other Impervious in ARA of Downstream Network	0.87		
% Impervious Surf in ARA of Upstream Network	0.5				
% Impervious Surf in ARA of Downstream Network	0.76				



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CIFFF Offique ID. VA_1304a	TOWN OF ORAIN	GL DF					
	Network, Sy	stem	Туре а	nd Condi	tion		
Functional Upstream Network	k (mi) 520.49			Upstrea	m Size Class Gain (#	‡)	0
Total Functional Network (mi) 1061.27			# Down	steam Natural Barri	ers	0
Absolute Gain (mi)	osolute Gain (mi) 520.49			# Downstream Hydropower Dams			
# Size Classes in Total Networ	·k 4		# Downstream Dams with Passage				0
# Upstream Network Size Clas	sses 4			# of Do	wnstream Barriers		1
NFHAP Cumulative Disturband	ce Index				High		
Dam is on Conserved Land					No		
% Conserved Land in 100m Bu	uffer of Upstream Netwo	rk			33.18		
% Conserved Land in 100m Bu	uffer of Downstream Net	work	(10.22		
Density of Crossings in Upstre	am Network Watershed	(#/m	12)		0.88		
Density of Crossings in Downs	stream Network Watersh	ned (#	‡/m2)		0.87		
Density of off-channel dams in	n Upstream Network Wa	itersh	ned (#/r	m2)	0		
Density of off-channel dams in	n Downstream Network '	Wate	ershed ((#/m2)	0		
	iadro	omous F					
Downstream Alewife Historical Downstream Blueback Historical			Downstream Striped Bass None Docum Downstream Atlantic Sturgeon None Docum				umented
							umented
Downstream American Shad	Downstream Shortnose Sturgeon None Docu				umented		
Downstream Hickory Shad	Downstream American Eel			merican Eel	Current		
Presence of 1 or More Downs	ecies Historical						
# Diadromous Species Downs	stream (incl eel)		1				
Resident Fish						m Health	
Barrier is in EBTJV BKT Catchment		No No		Chesapeake Bay Program Stream Health POOR			
Barrier is in Modeled BKT Catchment (DeWeber)				MD MBSS Benthic IBI Stream Health N/A			N/A
Barrier Blocks an EBTJV Catchment		No		MD MBSS Fish IBI Stream Health			N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber) Native Fish Species Richness (HUC8)				MD MBSS Combined IBI Stream Health VA INSTAR mIBI Stream Health			N/A
			,				High
# Rare Fish (HUC8)		0		PA IBI Str	eam Health		N/A
# Rare Mussel (HUC8)		4					
# Rare Crayfish (HUC8)		0					

