## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: VA 77 **NEALS DAM** Diadromous Tier 15 Brook Trout Tier N/A **Resident Tier** 13 NID ID VA13705 77 State ID River Name 20 Dam Height (ft) Dam Type Gravity Latitude 38.1753 Longitude -78.1924 Passage Facilities None Documented N/A Passage Year Size Class 1a: Headwater (0 - 3.861 sq mi) HUC 12 Blue Run HUC 10 Blue Run-Rapidan River Rapidan-Upper Rappahannock HUC8

Lower Chesapeake

Lower Chesapeake



Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.39	% Tree Cover in ARA of Upstream Network	27.57					
% Natural Cover in Upstream Drainage Area	44.16	% Tree Cover in ARA of Downstream Network	59.12					
% Forested in Upstream Drainage Area	41.99	% Herbaceaous Cover in ARA of Upstream Network	38.44					
% Agriculture in Upstream Drainage Area	49.85	% Herbaceaous Cover in ARA of Downstream Network	37.94					
% Natural Cover in ARA of Upstream Network	41.73	% 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	7.09	% Road Impervious in ARA of Upstream Network	0					
% Forest Cover in ARA of Downstream Network	42.26	% Road Impervious in ARA of Downstream Network	0.72					
% Agricultral Cover in ARA of Upstream Network	47.24	% Other Impervious in ARA of Upstream Network	0					
% Agricultral Cover in ARA of Downstream Network	49.71	% Other Impervious in ARA of Downstream Network	0.61					
% Impervious Surf in ARA of Upstream Network	0.92							
% Impervious Surf in ARA of Downstream Network	0.5							

No Phana Available



HUC 6

HUC 4

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CFPPP Unique ID: VA\_77 NEALS DAM

CIFFF Offique ID. VA_77	INLALS DAIN					
	Network, Sys	tem Ty	pe and Condition			
Functional Upstream Network (mi) 1.18			Upstream Size Class Gain (#)			0
Total Functional Network (mi) 521.66			# Downsteam Natural Barriers			0
Absolute Gain (mi)	1.18		# Downstream	r Dams	0	
# Size Classes in Total Networ	k 4		# Downstream Dams with Passage			1
# Upstream Network Size Clas	ses 1	# of Downstream Barriers			2	
NFHAP Cumulative Disturband	:e Index		Very H	ligh		
Dam is on Conserved Land			Yes			
% Conserved Land in 100m Bu	ffer of Upstream Networ	·k	100			
% Conserved Land in 100m Bu	ffer of Downstream Netv	work	33.18			
Density of Crossings in Upstream Network Watershed (#/m			3.56			
Density of Crossings in Downs			-			
Density of off-channel dams in	•					
Density of off-channel dams in	ı Downstream Network V	Vaters	hed (#/m2) 0			
	Di	adrom	ous Fish			
Downstream Alewife	Historical		Downstream Striped Bass		None Documented	
Downstream Blueback	Historical		Downstream Atlantic Sturged		None Documented	
Downstream American Shad	None Documented		Downstream Shortnose Sturgeon		None Documented	
Downstream Hickory Shad	None Documented		ownstream American	Current		
Presence of 1 or More Downs	tream Anadromous Spec	ies F	listorical			
# Diadromous Species Downs	tream (incl eel)	1				
Reside	nt Fish			Strea	m Health	
Barrier is in EBTJV BKT Catchment		No	Chesapeake Bay	Chesapeake Bay Program Stream Health		
Barrier is in Modeled BKT Catchment (DeWeber)		No	MD MBSS Benth	MD MBSS Benthic IBI Stream Health		N/A
Barrier Blocks an EBTJV Catchment		⁄es	MD MBSS Fish IE	MD MBSS Fish IBI Stream Health		N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)		No	MD MBSS Comb	MD MBSS Combined IBI Stream Health		N/A
Native Fish Species Richness (HUC8)		56	VA INSTAR mIBI	VA INSTAR mIBI Stream Health		Moderate
# Rare Fish (HUC8)		1	PA IBI Stream He	PA IBI Stream Health		N/A
# Rare Mussel (HUC8)		3				
# Rare Crayfish (HUC8)	(	)				

