Chesapeake Fish Passage Prioritization - Dam Fact Sheet

	chesapeake Histi i asse
CFPPP Unique ID:	VA_420 NELSON DAM
Diadromous Tier	6
Brook Trout Tier	N/A
Resident Tier	3
NID ID	VA12501
State ID	420
River Name	
Dam Height (ft)	34
Dam Type	Earth
Latitude	37.6935
Longitude	-78.8818
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Rucker Run
HUC 10	Lower Tye River
HUC 8	Middle James-Buffalo
HUC 6	James
HUC 4	Lower Chesapeake



	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area 2.0		% Tree Cover in ARA of Upstream Network	58.79
% Natural Cover in Upstream Drainage Area		% Tree Cover in ARA of Downstream Network	79.1
% Forested in Upstream Drainage Area		% Herbaceaous Cover in ARA of Upstream Network	5.42
% Agriculture in Upstream Drainage Area 1		% Herbaceaous Cover in ARA of Downstream Network	15.73
% Natural Cover in ARA of Upstream Network 83		% 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		% Road Impervious in ARA of Upstream Network	1
% Forest Cover in ARA of Downstream Network 6		% Road Impervious in ARA of Downstream Network	0.6
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	1.38
% Agricultral Cover in ARA of Downstream Network	16.03	% Other Impervious in ARA of Downstream Network	0.78
% Impervious Surf in ARA of Upstream Network	2.83		
% Impervious Surf in ARA of Downstream Network	0.71		



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CIFFF Offique ID. VA_420	INLESON DAIVI					
	Network, Sy	/stem	Туре	and Condition		
Functional Upstream Network	k (mi) 2.74			Upstream Size Class Gair	(#)	0
Total Functional Network (mi)	5433.76			# Downsteam Natural Ba	rriers	0
Absolute Gain (mi)	2.74			# Downstream Hydropov	ver Dams	2
# Size Classes in Total Networ	k 6			# Downstream Dams wit	h Passage	4
# Upstream Network Size Clas	sses 1			# of Downstream Barrie	S	4
NFHAP Cumulative Disturband	ce Index			Moderate		
Dam is on Conserved Land				No		
% Conserved Land in 100m Buffer of Upstream Network			11.93			
% Conserved Land in 100m Bu	ıffer of Downstream Ne	twork	, h	11.23		
Density of Crossings in Upstre	am Network Watershed	d (#/m	12)	0.9		
Density of Crossings in Downs	tream Network Watersh	hed (#	‡/m2)	0.84		
Density of off-channel dams in	າ Upstream Network Wa	atersh	red (#/	/m2) 0		
Density of off-channel dams in	n Downstream Network	Wate	rshed	(#/m2) 0		
		S I		et di		
Downstream Alewife	Potential Current	Jiadro	omous		None Do	cumented
				·		
Downstream Blueback	Potential Current			nstream Atlantic Sturgeon		cumented
Downstream American Shad	None Documented		Dow	nstream Shortnose Sturgeo	n None Do	cumented
Downstream Hickory Shad	None Documented		Dow	nstream American Eel	Current	
Presence of 1 or More Downs	stream Anadromous Spe	ecies	Pote	ntial Curre		
# Diadromous Species Downs	tream (incl eel)		1			
Reside	ent Fish			Str	eam 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 Stre	am Health	N/A
Barrier Blocks an EBTJV Catchment		Yes		MD MBSS Fish IBI Stream Health N		N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)		No		MD MBSS Combined IBI St	ream Health	N/A
		50		VA INSTAR mIBI Stream He	ealth	High
# Rare Fish (HUC8)		0		PA IBI Stream Health		N/A
# Rare Mussel (HUC8)		4				•
# Rare Crayfish (HUC8)		0				
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