Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_VA17918 Hartlake Dam No. 1

Diadromous Tier 2

Brook Trout Tier N/A

Resident Tier 7

NID ID VA17918 State ID VA17918

River Name

Dam Height (ft) 27.1

Dam Type

Latitude 38.4298

Longitude -77.6206

Passage Facilities None Documented

Passage Year N/A

Size Class 1a: Headwater (0 - 3.861 sq mi)

HUC 12 Deep Run-Rappahannock River

HUC 10 Marsh Run-Rappahannock River

HUC 8 Rapidan-Upper Rappahannock

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.82	% Tree Cover in ARA of Upstream Network	69.75
% Natural Cover in Upstream Drainage Area	89.67	% Tree Cover in ARA of Downstream Network	62.07
% Forested in Upstream Drainage Area	83.27	% Herbaceaous Cover in ARA of Upstream Network	8.13
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	28.22
% Natural Cover in ARA of Upstream Network	83.33	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	61.15	% Barren Cover in ARA of Downstream Network	0.27
% Forest Cover in ARA of Upstream Network	52.78	% Road Impervious in ARA of Upstream Network	0.14
% Forest Cover in ARA of Downstream Network	38.92	% Road Impervious in ARA of Downstream Network	0.91
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	4.6
% Agricultral Cover in ARA of Downstream Network	32.21	% Other Impervious in ARA of Downstream Network	1.01
% Impervious Surf in ARA of Upstream Network	0.2		
% Impervious Surf in ARA of Downstream Network	1.05		



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Functional Upstream Network (mi) 0.76 Fotal Functional Network (mi) 3329.78 Absolute Gain (mi) 0.76 E Size Classes in Total Network 5 E Upstream Network Size Classes 1 NFHAP Cumulative Disturbance Index Dam is on Conserved Land G Conserved Land in 100m Buffer of Upstream Network Conserved Land in 100m Buffer of Downstream Network Watershe Density of Crossings in Upstream Network Watershe Density of Off-channel dams in Upstream Network Water Density of off-channel dams in Downstream Network Density of off-channel dams in Downstream Network Downstream Alewife Current Downstream Alewife Current Downstream American Shad None Documented	work Network ed (#/m rshed (# Watersh rk Wate	n2) #/m2) ned (#/r ershed (# Down # Down # Down # of Do	dition eam Size Class Gain (# ensteam Natural Barri enstream Hydropowe enstream Dams with F ownstream Barriers Moderate No 0 20.81 1.46 0.91 0 0	iers r Dams	0 0 0 0
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Downstream Blueback Current		-				
		Down	stream S	Striped Bass	None Doc	umented
Downstream American Shad None Documented		Down	stream A	Atlantic Sturgeon	None Doc	umented
		Down	stream S	Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad None Documented		Down	stream A	American Eel	Current	
Presence of 1 or More Downstream Anadromous S	pecies	Currer	nt			
# Diadromous Species Downstream (incl eel)		3				
Resident Fish				Strea	m Health	
Barrier is in EBTJV BKT Catchment			Chesapeake Bay Program Stream Health GOC		GOOD	
Barrier is in Modeled BKT Catchment (DeWeber)			MD MBSS Benthic IBI Stream Health N/A		N/A	
Barrier Blocks an EBTJV Catchment			MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber)			MD MBSS Combined IBI Stream Health N/A		N/A	
Native Fish Species Richness (HUC8)	38	,	VA INST	AR mIBI Stream Heal	th	Moderate
# Rare Fish (HUC8)	0		PA IBI St	tream Health		N/A
# Rare Mussel (HUC8)	4					
# Rare Crayfish (HUC8)						

