Chesapeake Fish Passage Prioritization - Dam Fact Sheet

Bay-wide Diadromous Tier 16
Bay-wide Resident Tier 13
Bay-wide Brook Trout Tier N/A

NID ID VA18701 State ID 18701

River Name Venus Branch

Dam Height (ft) 40

Dam Type Earth
Latitude 38.9899
Longitude -78.0417

Passage Facilities None Documented

Passage Year N/A

Size Class 1a: Headwater (0 - 3.861 sq mi)
HUC 12 Borden Marsh Run-Shenandoah
HUC 10 Crooked Run-Shenandoah River

HUC 8 Shenandoah
HUC 6 Potomac
HUC 4 Potomac







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.36	% Tree Cover in ARA of Upstream Network	79.03					
% Natural Cover in Upstream Drainage Area	85.59	% Tree Cover in ARA of Downstream Network	46.26					
% Forested in Upstream Drainage Area	85	% Herbaceaous Cover in ARA of Upstream Network	5.18					
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	44.07					
% Natural Cover in ARA of Upstream Network	83.04	% Barren Cover in ARA of Upstream Network	0					
% Natural Cover in ARA of Downstream Network	43.22	% Barren Cover in ARA of Downstream Network	0.12					
% Forest Cover in ARA of Upstream Network	68.75	% Road Impervious in ARA of Upstream Network	3.04					
% Forest Cover in ARA of Downstream Network	33.46	% Road Impervious in ARA of Downstream Network	1.59					
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	2.59					
% Agricultral Cover in ARA of Downstream Network	46.14	% Other Impervious in ARA of Downstream Network	1.8					
% Impervious Surf in ARA of Upstream Network	0.79							
% Impervious Surf in ARA of Downstream Network	1.43							



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CFPPP Unique ID: VA_VA187	01 Lake of the Cloud	s Dam		CLOUD DAM		
	Network, Sys	tem Typ	e and Condition	1		
Functional Upstream Network (mi) 4.86			Upstream Size Class Gain (#)			0
Total Functional Network (mi) 447.7			# Downsteam Natural Barriers			1
Absolute Gain (mi)	4.86		# Downstream Hydropower Dams			1
Size Classes in Total Network	3		# Downstream Dams with Passage			2
Upstream Network Size Classes 1			# of Downstream Barriers			3
IFHAP Cumulative Disturband	e Index		Ve	ery High		
am is on Conserved Land			No)		
6 Conserved Land in 100m Bu	ffer of Upstream Networ	k	0			
% Conserved Land in 100m Buffer of Downstream Network			22	22.06		
Density of Crossings in Upstream Network Watershed (#/m			0.6	58		
ensity of Crossings in Downs	tream Network Watershe	ed (#/m2	2) 1.2	25		
ensity of off-channel dams in	Upstream Network Wat	ershed (#/m2) 0.3	14		
ensity of off-channel dams in	Downstream Network V	Vatershe	ed (#/m2) 0			
		adromo				
ownstream Alewife	None Documented		Oownstream Striped Bass None Doo			umente
Downstream Blueback	wnstream Blueback None Documented		Downstream Atlantic Sturgeon None Documen			umented
Downstream American Shad None Documented		Do	Downstream Shortnose Sturgeon None Document			umented
Downstream Hickory Shad None Documented		Do	Downstream American Eel Current			
resence of 1 or More Downs	tream Anadromous Speci	ies No	ne Docume			
Diadromous Species Downs	tream (incl eel)	1				
Reside	nt Fish			Strea	m Health	
Barrier is in EBTJV BKT Catchment No		No	Chesapeake Bay Program Stream Health POOR			POOR
Barrier is in Modeled BKT Catchment (DeWeber) No		No	MD MBSS Benthic IBI Stream Health			N/A
Barrier Blocks an EBTJV Catchment Yes		'es	MD MBSS Fish IBI Stream Health			N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes		'es	MD MBSS Combined IBI Stream Health			, N/A
Native Fish Species Richness (HUC8) 36		86	VA INSTAR mIBI Stream Health			, High
valive i isii species Mcilliess (PA IBI Stream Health			
# Rare Fish (HUC8)	C)	PA IBI Stream	n Health		N/A
	C		PA IBI Strear	n Health		N/A

