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_VA18701	Lake of the Clou	ds Dam	1	CLOUD DAM	
	Network, Sy	stem T	ype and Con	dition	
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		# Dov	vnstream Hydropower Dams	5 1
# Size Classes in Total Network	3		# Downstream Dams with Pas		e 2
# Upstream Network Size Classes	1		# of Downstream Barriers		3
NFHAP Cumulative Disturbance Inde	ex			Very High	
Dam is on Conserved Land				No	
% Conserved Land in 100m Buffer of Upstream Network				0	
% Conserved Land in 100m Buffer of Downstream Network				22.06	
Density of Crossings in Upstream Ne					
Density of Crossings in Downstream Network Watershed (#/m2) 1.25					
Density of off-channel dams in Upstream Network Watershed (#/m2) 0.14					
Density of off-channel dams in Dow	nstream Network	Waters	shed (#/m2)	0	
		iadron	nous Fish		
Downstream Alewife	None Documented		ownstream Striped Bass		None Documented
Downstream Blueback	None Documente	d I	Downstream Atlantic Sturgeon		None Documented
Downstream American Shad	None Documente	ed Downstream Shortnose Sturgeor		Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documente	d I	Downstream American Eel		Current
One or More DS Anadromous Speci	es None Docume	: :	# Diadromous Sp Dnstrm (incl eel)		1
Resident Fish and	Rare Species			Stream Health	
Barrier is in EBTJV BKT Catchment No.		No	Chesap	eake Bay Program Stream H	lealth POO
Barrier is in Modeled BKT Catchment (DeWeber)		No	MD ME	BSS Benthic IBI Stream Healt	h N /
Barrier Blocks an EBTJV Catchment		Yes	MD ME	BSS Fish IBI Stream Health	N/
Barrier Blocks a Modeled BKT Catchment (DeWeber)		Yes	MD ME	BSS Combined IBI Stream He	alth N/
Native Fish Species Richness (HUC8)		36	VA INS	TAR mIBI Stream Health	Hig
		0		Stream Health	N/
‡ Rare Mussel (HUC8)		0			,
# Rare Crayfish (HUC8)		0			
		No	Rare fis	sh or mussel sp in HUC12	N
Globally rare or fed listed fish/mussel sp in		No	Rare fis	sh or mussel in upstream or tream functional network	N

