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

CFPPP Unique ID: VA\_1134 FRONT ROYAL DAM

Diadromous Tier 17

Brook Trout Tier N/A

Resident Tier 13

NID ID VA18705

State ID 1134

River Name Sloan Creek

Dam Height (ft) 26

Dam Type Gravity

Latitude 38.877

Longitude -78.1508

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Happy Creek

HUC 10 Gooney Run-South Fork Shenan

HUC 8 South Fork Shenandoah

HUC 6 Potomac







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	1.98	% Tree Cover in ARA of Upstream Network	49.87					
% Natural Cover in Upstream Drainage Area	71.07	% Tree Cover in ARA of Downstream Network	59.79					
% Forested in Upstream Drainage Area	70.69	% Herbaceaous Cover in ARA of Upstream Network	18.23					
% Agriculture in Upstream Drainage Area	7.31	% Herbaceaous Cover in ARA of Downstream Network	28.7					
% Natural Cover in ARA of Upstream Network	30.37	% Barren Cover in ARA of Upstream Network	0					
% Natural Cover in ARA of Downstream Network	61.79	% Barren Cover in ARA of Downstream Network	0.68					
% Forest Cover in ARA of Upstream Network	23.7	% Road Impervious in ARA of Upstream Network	6.28					
% Forest Cover in ARA of Downstream Network	53.27	% Road Impervious in ARA of Downstream Network	1.87					
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	3.32					
% Agricultral Cover in ARA of Downstream Network	28.34	% Other Impervious in ARA of Downstream Network	2.27					
% Impervious Surf in ARA of Upstream Network	8.84							
% Impervious Surf in ARA of Downstream Network	1.76							

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	Network, Sy	ystem	Туре	and Cond	ition		
Functional Upstream Network (mi) 4.55			Upstream Size Class Gain (#)			0	
Total Functional Network (mi) 837.07			# Downsteam Natural Barriers			1	
Absolute Gain (mi) 4.55			# Downstream Hydropower Dams			2	
# Size Classes in Total Network 5			# Downstream Dams with Passage			3	
# Upstream Network Size Classes 1				# of Downstream Barriers			4
NFHAP Cumulative Disturband	ce Index				Not Scored / Unav	ailable at th	is scale
Dam is on Conserved Land					No		
% Conserved Land in 100m Buffer of Upstream Network					59.85		
% Conserved Land in 100m Buffer of Downstream Network			(		30.89		
Density of Crossings in Upstream Network Watershed (#/m			-		2.29		
Density of Crossings in Downstream Network Watershed (#					1.29		
Density of off-channel dams in				-	0		
Density of off-channel dams in	ı Downstream Network	Wate	ershed	(#/m2)	0		
	[	Diadro	omous	Fish			
Downstream Alewife	tream Alewife None Documented		Dow	Downstream Striped Bass None Doc			umented
Downstream Blueback	None Documented		Dow	Downstream Atlantic Sturgeon None Do			umented
Downstream American Shad	None Documented	Dow		nstream S	Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad	None Documented		Dow	Downstream American Eel Current			
Presence of 1 or More Downs	stream Anadromous Spe	ecies	None	e Docume			
# Diadromous Species Downs	tream (incl eel)		1				
Resident Fish			Stream Health				
Barrier is in EBTJV BKT Catchment N		No		Chesapeake Bay Program Stream Health FAIR			FAIR
Barrier is in Modeled BKT Catchment (DeWeber)		No		MD MBSS Benthic IBI Stream Health			N/A
Barrier Blocks an EBTJV Catchment Y		Yes		MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber) Y		Yes		MD MBSS Combined IBI Stream Health		N/A	
Native Fish Species Richness (HUC8) 3		35		VA INSTAR mIBI Stream Health			Moderate
# Rare Fish (HUC8)		0		PA IBI St	ream Health		N/A
# Rare Mussel (HUC8)		0					
# Rare Crayfish (HUC8)		0					

