Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_382 SHIRLEY MILL DAM

Bay-wide Diadromous Tier 2
Bay-wide Resident Tier 2

Bay-wide Brook Trout Tier N/A

NID ID VA08704

State ID 382

River Name

Dam Height (ft) 23

Dam Type Gravity
Latitude 37.3825

Longitude -77.2222

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Turkey Island Creek

HUC 10 Falling Creek-James River

HUC 8 Lower James

HUC 6 James

HUC 4 Lower Chesapeake







	Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area	0.2	% Tree Cover in ARA of Upstream Network	88.28			
% Natural Cover in Upstream Drainage Area	77.96	% Tree Cover in ARA of Downstream Network	50.43			
% Forested in Upstream Drainage Area	52.26	% Herbaceaous Cover in ARA of Upstream Network	8.33			
% Agriculture in Upstream Drainage Area	17.24	% Herbaceaous Cover in ARA of Downstream Network	21.6			
% Natural Cover in ARA of Upstream Network	92.69	% Barren Cover in ARA of Upstream Network	0			
% Natural Cover in ARA of Downstream Network	66.86	% Barren Cover in ARA of Downstream Network	1.39			
% Forest Cover in ARA of Upstream Network	44.65	% Road Impervious in ARA of Upstream Network	0.53			
% Forest Cover in ARA of Downstream Network	23.65	% Road Impervious in ARA of Downstream Network	3.27			
% Agricultral Cover in ARA of Upstream Network	5.41	% Other Impervious in ARA of Upstream Network	0.67			
% Agricultral Cover in ARA of Downstream Network	11.44	% Other Impervious in ARA of Downstream Network	6.14			
% Impervious Surf in ARA of Upstream Network	0.07					
% Impervious Surf in ARA of Downstream Network	7.27					



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Mal	twork System	T	and Cara	lition			
Functional Upstream Network (mi) 29.9	twork, System	rrype				0	
Total Functional Network (mi) 326.3		Upstream Size Class Gain (#) # Downsteam Natural Barriers			0		
Absolute Gain (mi) 29.9			# Downsteam Natural Barriers # Downstream Hydropower Dams			0	
	4		# Downstream Dams with Passa;			0	
	2		# of Downstream Barriers			0	
NFHAP Cumulative Disturbance Index	2		# 01 D0				
Dam is on Conserved Land				Not Scored / Unavailab	ie at this so	aie	
	m Notwork			No			
% Conserved Land in 100m Buffer of Upstream			15.7				
% Conserved Land in 100m Buffer of Downstr			7.43				
Density of Crossings in Upstream Network W				0.53			
Density of Crossings in Downstream Network	,	, ,		1.5			
Density of off-channel dams in Upstream Net		-		0			
Density of off-channel dams in Downstream I	Network water	ersnec	ı (#/mz)	0			
	Diadro	omous	s Fish				
Downstream Alewife Current		Downstream Striped Bass			None D	None Documented	
Downstream Blueback Current		Downstream Atlantic Sturgeon		None Documented			
Downstream American Shad None Doo	cumented	Dow	Downstream Shortnose Sturgeon		None D	None Documented	
Downstream Hickory Shad None Doo	cumented	Dow	nstream .	American Eel	Current		
One or More DS Anadromous Species Current			# Diadromous Sp Dnstrm (incl eel)				
Resident Fish and Rare Spe	ecies			Stream Healt	h		
Barrier is in EBTJV BKT Catchment N			Chesapeake Bay Program Stream Health			POOR	
Barrier is in Modeled BKT Catchment (DeWeber)			MD MBSS Benthic IBI Stream Health		lth	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		lealth	N/A	
Native Fish Species Richness (HUC8)			VA INSTAR mIBI Stream Health			Moderate	
# Rare Fish (HUC8)			PA IBI Stream Health			N/A	
# Rare Mussel (HUC8)	1						
# Rare Crayfish (HUC8)	0						
Globally rare or fed listed fish/mussel sp HUC	C12 No		Rare fisl	n or mussel sp in HUC12		No	
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes		Rare fish	n or mussel in upstream o ream functional network	r	Yes	

