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

CFPPP Unique ID: VA\_336 WILLIS RIVER DAM #1B

Diadromous Tier 7

Brook Trout Tier N/A

Resident Tier 3

NID ID VA02902

State ID 336

River Name

Dam Height (ft) 44

Dam Type Earth

Latitude 37.4615

Longitude -78.5336

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Bishop Creek-Willis River

HUC 10 Upper Willis River

HUC 8 Middle James-Willis

HUC 6 James

HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.11	% Tree Cover in ARA of Upstream Network	91.16				
% Natural Cover in Upstream Drainage Area	91.5	% Tree Cover in ARA of Downstream Network	88.09				
% Forested in Upstream Drainage Area	68.77	% Herbaceaous Cover in ARA of Upstream Network	6.18				
% Agriculture in Upstream Drainage Area	7.12	% Herbaceaous Cover in ARA of Downstream Network	10.47				
% Natural Cover in ARA of Upstream Network	94.83	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	89.75	% Barren Cover in ARA of Downstream Network	0.31				
% Forest Cover in ARA of Upstream Network	71.75	% Road Impervious in ARA of Upstream Network	0.22				
% Forest Cover in ARA of Downstream Network	59.92	% Road Impervious in ARA of Downstream Network	0.24				
% Agricultral Cover in ARA of Upstream Network	4.51	% Other Impervious in ARA of Upstream Network	0.17				
% Agricultral Cover in ARA of Downstream Network	9.36	% Other Impervious in ARA of Downstream Network	0.11				
% Impervious Surf in ARA of Upstream Network	0.05						
% Impervious Surf in ARA of Downstream Network	0.07						



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CIFFF Offique ID. VA_330	WILLIS KIVLK DA						
	Network, Sy	ystem	Type and Condi	tion			
Functional Upstream Network (mi) 11.18  Total Functional Network (mi) 175.71			Upstream Size Class Gain (#) # Downsteam Natural Barriers			0	
						0	
Absolute Gain (mi)	11.18		# Downstream Hydropower Dams			2	
# Size Classes in Total Network 3			# Downstream Dams with Passage			4	
# Upstream Network Size Clas	ses 1		# of Downstream Barriers			5	
NFHAP Cumulative Disturband	e Index			Moderate			
Dam is on Conserved Land				No			
% Conserved Land in 100m Buffer of Upstream Networ			< 0				
% Conserved Land in 100m Bu	twork	work 3.36					
Density of Crossings in Upstre	d (#/m	12)	0.49				
Density of Crossings in Downs	tream Network Waters	hed (#	‡/m2)	0.5			
Density of off-channel dams in	n Upstream Network W	atersh	ned (#/m2)	0			
Density of off-channel dams in	of off-channel dams in Downstream Network Watershed (#/m2) 0						
	[	Diadro	omous Fish				
Downstream Alewife Historical  Downstream Blueback Historical		Downstream Striped Bass None Doo			cumented		
			Downstream Atlantic Sturgeon None Doc			umented	
Downstream American Shad	None Documented	ocumented		Downstream Shortnose Sturgeon		None Documented	
Downstream Hickory Shad	None Documented		Downstream American Eel		Current		
resence of 1 or More Downstream Anadromous Species		ecies	Historical				
# Diadromous Species Downs	tream (incl eel)		1				
Reside	nt Fish			Strea	m Health		
Barrier is in EBTJV BKT Catchment			Chesapea	Chesapeake Bay Program Stream Health FAIR			
Barrier is in Modeled BKT Catchment (DeWeber) Barrier Blocks an EBTJV Catchment Barrier Blocks a Modeled BKT Catchment (DeWeber) Native Fish Species Richness (HUC8)		No	MD MBS	MD MBSS Benthic IBI Stream Health			
		No	MD MBS	MD MBSS Fish IBI Stream Health		N/A	
		No	MD MBSS Combined IBI Stream He		am Health	N/A	
			V/A INICTA	VA INSTAR mIBI Stream Health		<b>8.4</b> - J	
Native Fish Species Richness (	HUC8)	51	VA IIVSTA	AR mIBI Stream Heal	UI	Moderate	
Native Fish Species Richness ( # Rare Fish (HUC8)	HUC8)	51 0		AR mIBI Stream Heal ream Health	LII	N/A	
	HUC8)				UI		

