Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID:	VA_340	WILLIS RIVER DAM #5F			
Bay-wide Diadron	nous Tier 7				
Bay-wide Residen	t Tier 4				
Bay-wide Brook Ti	rout Tier N/A				
NID ID	VA02906				
State ID	340	No			
River Name					
Dam Height (ft)	43.2				
Dam Type	Earth	4			
Latitude	37.4889				
Longitude	-78.4292				
Passage Facilities	None Document	ed			
Passage Year	N/A				
Size Class	1b: Creek (3.861	- 38.61 sq mi)			

Whispering Creek-Willis River

Upper Willis River Middle James-Willis

Lower Chesapeake

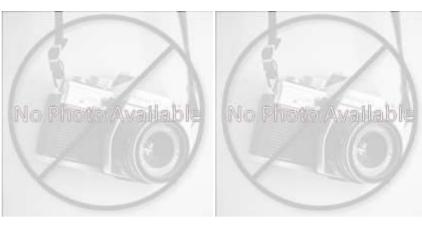
James

HUC 12

HUC 10

HUC 8 HUC₆

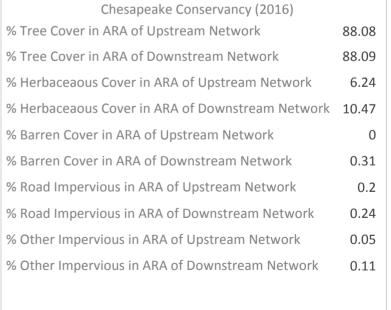
HUC 4







Landcover									
	NLCD (2011)		Chesapeake Conserva						
	% Impervious Surface in Upstream Drainage Area	0.14	% Tree Cover in ARA of Upstream Net						
	% Natural Cover in Upstream Drainage Area	90.3	% Tree Cover in ARA of Downstream N						
	% Forested in Upstream Drainage Area	72.64	% Herbaceaous Cover in ARA of Upstro						
	% Agriculture in Upstream Drainage Area	8.25	% Herbaceaous Cover in ARA of Down						
	% Natural Cover in ARA of Upstream Network	96.37	% Barren Cover in ARA of Upstream N						
	% Natural Cover in ARA of Downstream Network	89.75	% Barren Cover in ARA of Downstream						
	% Forest Cover in ARA of Upstream Network	83.87	% Road Impervious in ARA of Upstream						
	% Forest Cover in ARA of Downstream Network	59.92	% Road Impervious in ARA of Downstr						
	% Agricultral Cover in ARA of Upstream Network	3.33	% Other Impervious in ARA of Upstrea						
	% Agricultral Cover in ARA of Downstream Network	9.36	% Other Impervious in ARA of Downst						
	% Impervious Surf in ARA of Upstream Network	0							
	% Impervious Surf in ARA of Downstream Network	0.07							





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	Network, Sy	ystem	Туре а	nd Cond	ition		
Functional Upstream Network	onal Upstream Network (mi) 7.7 Upstream Size Class Gain (#)		÷)	0			
Total Functional Network (mi)	172.23			# Downsteam Natural Barriers		0	
Absolute Gain (mi)	7.7			# Downstream Hydropower Dams		r Dams	2
# Size Classes in Total Networ	k 3			# Dow	nstream Dams with F	Passage	4
# Upstream Network Size Clas	ses 2			# of Do	ownstream Barriers		5
NFHAP Cumulative Disturband	ce Index				Not Scored / Unava	ailable at th	is scale
Dam is on Conserved Land					No		
% Conserved Land in 100m Bu	iffer of Upstream Netwo	ork			0		
% Conserved Land in 100m Bu	iffer of Downstream Ne	twork	<		3.36		
Density of Crossings in Upstream Network Watershed (#/m			12)		1.13		
Density of Crossings in Downs	tream Network Waters	hed (#	‡/m2)		0.5		
Density of off-channel dams in	n Upstream Network Wa	atersh	ned (#/ı	m2)	0		
Density of off-channel dams in	n Downstream Network	Wate	ershed	(#/m2)	0		
		Diadro	omous	Fish			
Downstream Alewife	Historical		Downstream Striped Bass None Do		None Doc	umented	
Downstream Blueback	m Blueback Historical D		Down	wnstream Atlantic Sturgeon None Doc			umented
Downstream American Shad	None Documented		Down	stream S	Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad	None Documented		Down	stream A	American Eel	Current	
Presence of 1 or More Downs	tream Anadromous Spe	ecies	Histor	rical			
# Diadromous Species Downs	tream (incl eel)		1				
Resident Fish				Stream Health			
Barrier is in EBTJV BKT Catchment No		No		Chesapeake Bay Program Stream Health FAIR			
Barrier is in Modeled BKT Catchment (DeWeber) No		No		MD MBSS Benthic IBI Stream Health			N/A
Farrier Blocks an EBTJV Catchment No MD MBSS Fish IBI Stream		SS Fish IBI Stream He	alth	N/A			
Barrier Blocks a Modeled BKT Catchment (DeWeber) No				MD MBSS Combined IBI Stream Health			N/A
Native Fish Species Richness (HUC8) 51		51		VA INSTAR mIBI Stream Health		Moderate	
# Rare Fish (HUC8) 0		0		PA IBI St	ream Health		N/A
# Rare Mussel (HUC8) 3		3					•
# Rare Crayfish (HUC8)		0					

