Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_VA06146 WILLOW POND FARM DAM

Diadromous Tier 9

Brook Trout Tier N/A

Resident Tier 12

NID ID VA06146 State ID VA06146

River Name West Branch Thumb Run

Dam Height (ft) 30

Dam Type Earth

Latitude 38.852

Longitude -78.0003

Passage Facilities None Documented

Passage Year N/A

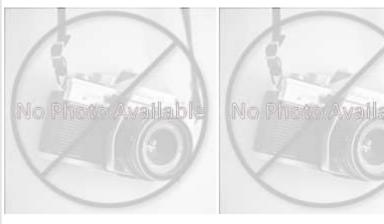
Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Thumb Run

HUC 10 Thumb Run-Rappahannock Rive

HUC 8 Rapidan-Upper Rappahannock

HUC 6 Lower Chesapeake
HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.09	% Tree Cover in ARA of Upstream Network	61.31				
% Natural Cover in Upstream Drainage Area	70.47	% Tree Cover in ARA of Downstream Network	60.89				
% Forested in Upstream Drainage Area	69.86	% Herbaceaous Cover in ARA of Upstream Network	36.61				
% Agriculture in Upstream Drainage Area	26.82	% Herbaceaous Cover in ARA of Downstream Network	37.37				
% Natural Cover in ARA of Upstream Network	44.07	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	43.57	% Barren Cover in ARA of Downstream Network	0				
% Forest Cover in ARA of Upstream Network	42.99	% Road Impervious in ARA of Upstream Network	0.48				
% Forest Cover in ARA of Downstream Network	42.77	% Road Impervious in ARA of Downstream Network	0.51				
% Agricultral Cover in ARA of Upstream Network	53.64	% Other Impervious in ARA of Upstream Network	1.2				
% Agricultral Cover in ARA of Downstream Network	52.5	% Other Impervious in ARA of Downstream Network	0.42				
% Impervious Surf in ARA of Upstream Network	0.06						
% Impervious Surf in ARA of Downstream Network	0.14						



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CIFFF Offique ID. VA_VAOOI	.40 WILLOW FOND					
	Network, Sy	/stem	n Type a	and Condition		
Functional Upstream Network	(mi) 16.96			Upstream Size Class Gain (#	÷)	0
Total Functional Network (mi)	88.28			# Downsteam Natural Barri	ers	0
Absolute Gain (mi)	16.96			# Downstream Hydropowe	Dams	0
# Size Classes in Total Networ	k 2			# Downstream Dams with F	assage	0
# Upstream Network Size Clas	sses 2			# of Downstream Barriers		1
NFHAP Cumulative Disturband	ce Index			Moderate		
Dam is on Conserved Land				No		
% Conserved Land in 100m Buffer of Upstream Network				15.9		
% Conserved Land in 100m Bu	ıffer of Downstream Net	twork	k	40.95		
Density of Crossings in Upstre	am Network Watershed	l (#/m	n2)	1.64		
Density of Crossings in Downs	tream Network Watersh	hed (#	#/m2)	1.11		
Density of off-channel dams in	า Upstream Network Wa	atersh	hed (#/	m2) 0		
Density of off-channel dams in	n Downstream Network	Wate	ershed	(#/m2) 0		
		S. 1		E. I		
		Diadro	omous			
Downstream Alewife	Historical			nstream Striped Bass	None Doc	
Downstream Blueback	Historical		Dowr	nstream Atlantic Sturgeon	None Doc	umented
Downstream American Shad	None Documented		Dowr	nstream Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad	None Documented		Dowr	nstream American Eel	Current	
Presence of 1 or More Downs	stream Anadromous Spe	ecies	Histo	rical		
# Diadromous Species Downs	tream (incl eel)		1			
Reside	ent Fish			Strea	m Health	
		No		Chesapeake Bay Program Stream Health FAIR		
		No		MD MBSS Benthic IBI Stream Health N/A		
·		No		MD MBSS Fish IBI Stream Health		, N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)		No		MD MBSS Combined IBI Stream Health		N/A
		38		VA INSTAR mIBI Stream Health		High
# Rare Fish (HUC8)		0		PA IBI Stream Health		N/A
# Rare Mussel (HUC8)		4				
# Rare Crayfish (HUC8)		0				
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