Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_332 WOODS LANDING DAM

Bay-wide Diadromous Tier 18
Bay-wide Resident Tier 16

Bay-wide Brook Trout Tier N/A

332

NID ID VA01923

River Name

State ID

Latitude

HUC 8

Dam Height (ft) 40.5

Dam Type Earth

Longitude -79.2485

Passage Facilities None Documented

Passage Year N/A

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

Middle James-Buffalo

HUC 12 Judith Creek-James River
HUC 10 Harris Creek-James River

37.4933

HUC 6 James

HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	2.85	% Tree Cover in ARA of Upstream Network	81.66				
% Natural Cover in Upstream Drainage Area	88.55	% Tree Cover in ARA of Downstream Network	76.81				
% Forested in Upstream Drainage Area	85.47	% Herbaceaous Cover in ARA of Upstream Network	0.92				
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	8.71				
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	82.29	% Barren Cover in ARA of Downstream Network	0.06				
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	12.16				
% Forest Cover in ARA of Downstream Network	69.7	% Road Impervious in ARA of Downstream Network	0.67				
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	5.25				
% Agricultral Cover in ARA of Downstream Network	9.79	% Other Impervious in ARA of Downstream Network	1.94				
% Impervious Surf in ARA of Upstream Network	34						
% Impervious Surf in ARA of Downstream Network	1.14						



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CFPPP Unique ID: VA_332 WOODS LANDING DAM

# Size Classes in Total Network 3 # Downstream Dams with Passage 4 # Upstream Network Size Classes 0 # of Downstream Barriers 6 NFHAP Cumulative Disturbance Index		Network, Sy	ystem	Type an	d Cond	dition			
Absolute Gain (mi) O.27 # Downstream Hydropower Dams 4 # Size Classes in Total Network 3 # Downstream Dams with Passage 4 # Upstream Network Size Classes 0 # of Downstream Barriers 6 NFHAP Cumulative Disturbance Index Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 0.28 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 1.12 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0.01 Diadromous Fish Downstream Alewife Historical Downstream Striped Bass None Documented Downstream American Shad None Documented Downstream American Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel None Documented Presence of 1 or More Downstream Anadromous Species # Diadromous Species Downstream (incl eel) 0 Resident Fish Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) 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 Native Fish Species Richness (HUC8) 0 PA IBI Stream Health High # Rare Fish (HUC8) 0 PA IBI Stream Health N/A # Rare Mussel (HUC8) 4	Functional Upstream Network	(mi) 0.27			Upstre	eam Size Class Gain (‡	‡)	0	
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# Upstream Network Size Classes 0 # of Downstream Barriers 6 NFHAP Cumulative Disturbance Index Low Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0.28 % Conserved Land in 100m Buffer of Downstream Network 0.28 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 1.12 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0.01 Diadromous Fish Downstream Alewife Historical Downstream Striped Bass None Documented Downstream Blueback Historical Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented Downstream American Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel None Documented Presence of 1 or More Downstream Anadromous Species # Diadromous Species Downstream (incl eel) 0 Resident Fish Barrier is in EBTJV BKT Catchment No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks an EBTJV Catchment 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 Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 0 PA IBI Stream Health High # Rare Fish (HUC8) 0 PA IBI Stream Health N/A # Rare Mussel (HUC8) 14	Absolute Gain (mi)	0.27			# Dow	nstream Hydropowe	r Dams	4	
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