Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1058 **SWANS DAM** Diadromous Tier 2 Brook Trout Tier N/A **Resident Tier** 1 NID ID VA04912 1058 State ID River Name Big Guinea Creek 23 Dam Height (ft) Dam Type Earth Latitude 37.4243 Longitude -78.2446 Passage Facilities None Documented N/A Passage Year Size Class 1b: Creek (3.861 - 38.61 sq mi) HUC 12 Big Guinea Creek HUC 10 Big Guinea Creek-Appomattox R HUC8 Appomattox

James

Lower Chesapeake



	Land	cover			
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0.28	% Tree Cover in ARA of Upstream Network	87.05		
% Natural Cover in Upstream Drainage Area	76.62	% Tree Cover in ARA of Downstream Network	86.58		
% Forested in Upstream Drainage Area	58.41	% Herbaceaous Cover in ARA of Upstream Network	9.07		
% Agriculture in Upstream Drainage Area	20.28	% Herbaceaous Cover in ARA of Downstream Network	9.87		
% Natural Cover in ARA of Upstream Network	89.21	% Barren Cover in ARA of Upstream Network	0		
% Natural Cover in ARA of Downstream Network	88.39	% Barren Cover in ARA of Downstream Network	0.08		
% Forest Cover in ARA of Upstream Network	61.27	% Road Impervious in ARA of Upstream Network	0.24		
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36		
% Agricultral Cover in ARA of Upstream Network	9.71	% Other Impervious in ARA of Upstream Network	0.17		
% Agricultral Cover in ARA of Downstream Network	9.87	% Other Impervious in ARA of Downstream Network	0.38		
% Impervious Surf in ARA of Upstream Network	0.09				
% Impervious Surf in ARA of Downstream Network	0.27				

No Photo Available



HUC 6

HUC 4

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	Network, Syste	em Type	and Condition		
Functional Upstream Network	(mi) 71.53		Upstream Size Class Gain (#)	0
Total Functional Network (mi)	3028.21		# Downsteam Natural Barr	riers	0
Absolute Gain (mi)	71.53		# Downstream Hydropowe	er Dams	3
# Size Classes in Total Networ	k 5		# Downstream Dams with	Passage	3
# Upstream Network Size Clas	sses 2		# of Downstream Barriers		3
NFHAP Cumulative Disturband	ce Index		Low		
Dam is on Conserved Land			Yes		
% Conserved Land in 100m Buffer of Upstream Network			3.65		
% Conserved Land in 100m Bu	affer of Downstream Netwo	ork	5.91		
Density of Crossings in Upstre	am Network Watershed (#	‡/m2)	0.56		
Density of Crossings in Downs	tream Network Watershed	d (#/m2)	0.5		
Density of off-channel dams in	n Upstream Network Wate	ershed (#	/m2) 0		
Density of off-channel dams in	n Downstream Network W	atershed	d (#/m2) 0		
	Dia	dromous	s Fish		
Downstream Alewife	wnstream Alewife Current		Downstream Striped Bass None Document		
Downstream Blueback	Historical	Dow	nstream Atlantic Sturgeon	None Doo	cumented
Downstroom Amazica Charl	None Documented	Dow	nstream Shortnose Sturgeon	None Dec	um ontod
Downstream American Shad	= = = = = = = = = = = = = = = = =	DOW	risticani shorthose stargeon	None Doc	cumented
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Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchn Barrier is in Modeled BKT Catch	None Documented stream Anadromous Species stream (incl eel) ent Fish ment No chment (DeWeber) No	Downess Curr 2	onstream American Eel ent Strea Chesapeake Bay Program St MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He	Current am Health ream Health n Health ealth	n POOR N/A N/A
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