Chesapeake Fish Passage Prioritization - Dam Fact Sheet

	enesapeake Histi i asse	180
CFPPP Unique ID:	VA_351 SUTHERLAND DA	AM
Diadromous Tier	5	
Brook Trout Tier	N/A	
Resident Tier	2	
NID ID		1
State ID	351	B
River Name		1
Dam Height (ft)	18	
Dam Type	Earth	
Latitude	37.6753	
Longitude	-78.2841	
Passage Facilities	None Documented	
Passage Year	N/A	1
Size Class	1a: Headwater (0 - 3.861 sq mi)	6
HUC 12	Bear Garden Creek-James River	AP.
HUC 10	Bear Garden Creek-James River	A
HUC 8	Middle James-Buffalo	
HUC 6	James	
HUC 4	Lower Chesapeake	



Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0	% Tree Cover in ARA of Upstream Network	95.85		
% Natural Cover in Upstream Drainage Area		% Tree Cover in ARA of Downstream Network	79.1		
% Forested in Upstream Drainage Area	63.14	% Herbaceaous Cover in ARA of Upstream Network	4.15		
% Agriculture in Upstream Drainage Area	34.38	% Herbaceaous Cover in ARA of Downstream Network	15.73		
% Natural Cover in ARA of Upstream Network	94.72	% Barren Cover in ARA of Upstream Network	0		
% Natural Cover in ARA of Downstream Network	79.33	% Barren Cover in ARA of Downstream Network	0.1		
% Forest Cover in ARA of Upstream Network	94.72	% Road Impervious in ARA of Upstream Network	0		
% Forest Cover in ARA of Downstream Network	65.28	% Road Impervious in ARA of Downstream Network	0.6		
% Agricultral Cover in ARA of Upstream Network	5.28	% Other Impervious in ARA of Upstream Network	0		
% Agricultral Cover in ARA of Downstream Network 16.03		% Other Impervious in ARA of Downstream Network	0.78		
% Impervious Surf in ARA of Upstream Network	0				
% Impervious Surf in ARA of Downstream Network	0.71				



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	Network, Sy	/stem Ty	pe and Condition	
Functional Upstream Network	(mi) 0.69		Upstream Size Class Gain (#)	0
Total Functional Network (mi)	5431.71		# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.69		# Downstream Hydropower Da	ms 2
# Size Classes in Total Network	6		# Downstream Dams with Pass	age 4
# Upstream Network Size Class	es 1		# of Downstream Barriers	4
NFHAP Cumulative Disturbance Index			Very High	
Dam is on Conserved Land			No	
% Conserved Land in 100m Buffer of Upstream Netwo % Conserved Land in 100m Buffer of Downstream Net			0	
			11.23	
Density of Crossings in Upstrea	m Network Watershed	l (#/m2)	0	
Density of Crossings in Downst	ream Network Watersł	hed (#/r	12) 0.84	
Density of off-channel dams in	Upstream Network Wa	atershed	(#/m2) 0	
Density of off-channel dams in	Downstream Network	Waters	ned (#/m2) 0	
		Diadrom	ous Fish	
Downstream Alewife	Potential Current		ownstream Striped Bass No	one Documented
Downstream Blueback	Potential Current		ownstream Atlantic Sturgeon No	one Documented
Downstream American Shad None Documented Downstream Hickory Shad None Documented			Downstream Shortnose Sturgeon None Docu Downstream American Eel Current	
Presence of 1 or More Downst	ream Anadromous Spe	ecies P	otential Curre	
	ream (incl eel)	1		
# Diadromous Species Downst	rearr (mer eer)	1		
# Diadromous Species Downsto			Stream H	ealth
·	nt Fish	No	Stream H Chesapeake Bay Program Stream	
	nt Fish ent			Health FAIR
Residen Barrier is in EBTJV BKT Catchmo	nt Fish ent hment (DeWeber)	No	Chesapeake Bay Program Stream	n Health FAIR alth N/A
Residen Barrier is in EBTJV BKT Catchme Barrier is in Modeled BKT Catcl	nt Fish ent hment (DeWeber) nent	No No Yes	Chesapeake Bay Program Stream MD MBSS Benthic IBI Stream He	alth N/A
Residen Barrier is in EBTJV BKT Catchme Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catchn	nt Fish ent hment (DeWeber) nent Catchment (DeWeber)	No No Yes	Chesapeake Bay Program Stream MD MBSS Benthic IBI Stream Health MD MBSS Fish IBI Stream Health	alth N/A
Residen Barrier is in EBTJV BKT Catchme Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catchn Barrier Blocks a Modeled BKT (Native Fish Species Richness (F	nt Fish ent hment (DeWeber) nent Catchment (DeWeber)	No No Yes No	Chesapeake Bay Program Stream MD MBSS Benthic IBI Stream Hea MD MBSS Fish IBI Stream Health MD MBSS Combined IBI Stream	n Health FAIR alth N/A N/A Health N/A
Residen Barrier is in EBTJV BKT Catchme Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catchn Barrier Blocks a Modeled BKT (nt Fish ent hment (DeWeber) nent Catchment (DeWeber)	No No Yes No 50	Chesapeake Bay Program Stream MD MBSS Benthic IBI Stream Health MD MBSS Fish IBI Stream Health MD MBSS Combined IBI Stream VA INSTAR mIBI Stream Health	n Health FAIR alth N/A N/A Health N/A Very High

