## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: VA\_351 SUTHERLAND DAM

Bay-wide Diadrom	nous Tier 5			
Bay-wide Resident	t Tier 2			
Bay-wide Brook Tr	rout Tier N/A			
NID ID				
State ID	351			
River Name				
Dam Height (ft)	18			
Dam Type	Earth			
Latitude	37.6753			
Longitude	-78.2841			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	Bear Garden Creek-James River			

HUC 10

HUC 8

HUC 4

Bear Garden Creek-James River

Middle James-Buffalo

Lower Chesapeake

James







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area 0		% Tree Cover in ARA of Upstream Network						
% Natural Cover in Upstream Drainage Area	65.62	% Tree Cover in ARA of Downstream Network	79.1					
% Forested in Upstream Drainage Area 63.14		% Herbaceaous Cover in ARA of Upstream Network						
% Agriculture in Upstream Drainage Area 34.38		% Herbaceaous Cover in ARA of Downstream Network						
% Natural Cover in ARA of Upstream Network 94.72		% Barren Cover in ARA of Upstream Network						
% 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							

## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: VA\_351 SUTHERLAND DAM

	Network, Syste	em Type	e and Cond	dition	
Functional Upstream Network (mi)	0.69		Upstre	eam Size Class Gain (#)	0
Total Functional Network (mi)	5431.71	5431.71		nsteam Natural Barriers	0
Absolute Gain (mi)	0.69	# Downstream Hydropower Da		nstream Hydropower Dams	s 2
# Size Classes in Total Network	6		# Dow	nstream Dams with Passag	e 4
# Upstream Network Size Classes	1	# of Downstream Barriers		ownstream Barriers	4
NFHAP Cumulative Disturbance Ind	ex			Very High	
Dam is on Conserved Land				No	
% Conserved Land in 100m Buffer of	of Upstream Network			0	
% Conserved Land in 100m Buffer of Downstream Network				11.23	
Density of Crossings in Upstream Network Watershed (#/m2) 0					
Density of Crossings in Downstream	n Network Watershed	d (#/m2	)	0.84	
Density of off-channel dams in Ups	tream Network Wate	rshed (#	‡/m2)	0	
Density of off-channel dams in Dow	nstream Network W	atershe	d (#/m2)	0	
	Dia	dromou	ıs Fish		
Downstream Alewife	Potential Current Downstream Striped Bass		Striped Bass	None Documented	
Downstream Blueback	Potential Current	Dov	ownstream Atlantic Sturgeon		None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon		Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Dov	vnstream .	American Eel	Current
One or More DS Anadromous Spec	ies Potential Curre	# D	iadromous	S Sp Dnstrm (incl eel)	1
Resident Fish and	d Rare Species			Stream Health	
Barrier is in EBTJV BKT Catchment No		0	Chesape	lealth FAI	
Barrier is in Modeled BKT Catchment (DeWeber)			MD MBSS Benthic IBI Stream Health		
Barrier Blocks an EBTJV Catchment Ye		es	MD MBSS Fish IBI Stream Health		N/
Barrier Blocks a Modeled BKT Catchment (DeWeber) N		)	MD MBSS Combined IBI Stream Health		alth N/
Native Fish Species Richness (HUC8) 5		)	VA INSTAR mIBI Stream Health		Very Hig
# Rare Fish (HUC8)			PA IBI Stream Health		N/
‡ Rare Mussel (HUC8)	4				·
# Rare Crayfish (HUC8)	0				
Globally rare or fed listed fish/mus.	sel sp HUC12 No	)	Rare fisl	h or mussel sp in HUC12	Υe
Globally rare or fed listed fish/mus upstream or downstream functions	sel sp in		Rare fish	h or mussel in upstream or ream functional network	Ye

