Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA 1028 **SPRAY DAM**

Bav-wide Diadromous Tier 19 Bay-wide Resident Tier 18 Bay-wide Brook Trout Tier

N/A NID ID VA04133

State ID 1028

River Name

Latitude

Dam Height (ft) 23

Dam Type Earth 37.4488

Longitude -77.4309

Passage Facilities None Documented

Passage Year N/A

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

Almond Creek-James River HUC 12

HUC 10 Falling Creek-James River

HUC 8 Lower James

HUC 6 James

HUC 4 Lower Chesapeake







Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	44.88	% Tree Cover in ARA of Upstream Network	24.99		
% Natural Cover in Upstream Drainage Area	21.63	% Tree Cover in ARA of Downstream Network	22.07		
% Forested in Upstream Drainage Area	7.29	% Herbaceaous Cover in ARA of Upstream Network	20.33		
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	19.81		
% Natural Cover in ARA of Upstream Network	24.79	% Barren Cover in ARA of Upstream Network	0.01		
% Natural Cover in ARA of Downstream Network	36.42	% Barren Cover in ARA of Downstream Network	0		
% Forest Cover in ARA of Upstream Network	3.52	% Road Impervious in ARA of Upstream Network	8.75		
% Forest Cover in ARA of Downstream Network	3.54	% Road Impervious in ARA of Downstream Network	3.96		
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	38.78		
% Agricultral Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	21.9		
% Impervious Surf in ARA of Upstream Network	48.52				
% Impervious Surf in ARA of Downstream Network	26.74				



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	Network, Syst	em Type	and Condition		
Functional Upstream Network	(mi) 1.68		Upstream Size Class Gain (#)	1
Total Functional Network (mi)	2.17		# Downsteam Natural Barr	iers	0
Absolute Gain (mi)	0.49		# Downstream Hydropowe	er Dams	0
# Size Classes in Total Network	k 1		# Downstream Dams with	Passage	0
# Upstream Network Size Clas	ses 1		# of Downstream Barriers		1
NFHAP Cumulative Disturbanc	ce Index		Not Scored / Unav	ailable at th	is scale
Dam is on Conserved Land			No		
% Conserved Land in 100m Buffer of Upstream Network		<	0		
% Conserved Land in 100m Bu	ffer of Downstream Netw	rork	0		
Density of Crossings in Upstrea	am Network Watershed (‡	#/m2)	1.87		
Density of Crossings in Downs	tream Network Watershe	d (#/m2)	0.86		
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	ndromous	a Fiab		
	Did	10110111011			
Downstroom Alouifo	Historical			None Dee	umantaa
Downstream Alewife	Historical	Dow	nstream Striped Bass	None Doc	
Downstream Alewife Downstream Blueback	Historical Historical	Dow		None Doc	
		Dow Dow	nstream Striped Bass		umented
Downstream Blueback	Historical	Dow Dow Dow	nstream Striped Bass nstream Atlantic Sturgeon	None Doc	umented umented
Downstream Blueback Downstream American Shad	Historical None Documented None Documented	Dow Dow Dow	vnstream Striped Bass vnstream Atlantic Sturgeon vnstream Shortnose Sturgeon	None Doc	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad	Historical None Documented None Documented stream Anadromous Specie	Dow Dow Dow	vnstream Striped Bass vnstream Atlantic Sturgeon vnstream Shortnose Sturgeon vnstream American Eel	None Doc	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Historical None Documented None Documented stream Anadromous Specie	Dow Dow Dow Dow	vnstream Striped Bass vnstream Atlantic Sturgeon vnstream Shortnose Sturgeon vnstream American Eel orical	None Doc	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Historical None Documented None Documented stream Anadromous Specie tream (incl eel) nt Fish	Dow Dow Dow Dow	vnstream Striped Bass vnstream Atlantic Sturgeon vnstream Shortnose Sturgeon vnstream American Eel orical	None Doc None Doc None Doc	umented umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside	Historical None Documented None Documented Arream Anadromous Special Arream (incl eel) Int Fish Internet N	Dow Dow Dow es Histo O	vinstream Striped Bass vinstream Atlantic Sturgeon vinstream Shortnose Sturgeon vinstream American Eel orical Strea	None Doc None Doc None Doc	umented umented umented
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Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT	Historical None Documented None Documented Atream Anadromous Specie Atream (incl eel) Int Fish Inent Inchment (DeWeber) Interpretation of the properties of the propertie	Down Down Down es Histor O	vinstream Striped Bass vinstream Atlantic Sturgeon vinstream Shortnose Sturgeon vinstream American Eel orical Streat Chesapeake Bay Program St MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He	None Doc None Doc None Doc am Health ream Health h Health ealth	umented umented umented N/A N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downst Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT Native Fish Species Richness (Historical None Documented None Documented Atream Anadromous Specie Atream (incl eel) Int Fish Inent Inchment (DeWeber) Interpretation of the properties of the propertie	Down Down Down es Histor O	vinstream Striped Bass vinstream Atlantic Sturgeon vinstream Shortnose Sturgeon vinstream American Eel orical Streat Chesapeake Bay Program St MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Streat VA INSTAR mIBI Stream Hea	None Doc None Doc None Doc am Health ream Health h Health ealth	umented umented umented N/A N/A N/A High
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT	Historical None Documented None Documented Atream Anadromous Specie Atream (incl eel) Int Fish Inent Inchment (DeWeber) Interpretation of the properties of the propertie	Down Down Down Powers History O	vinstream Striped Bass vinstream Atlantic Sturgeon vinstream Shortnose Sturgeon vinstream American Eel orical Streat Chesapeake Bay Program St MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stre	None Doc None Doc None Doc am Health ream Health h Health ealth	umented umented umented N/A N/A N/A

