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

CFPPP Unique ID:	PA_PA00002	ALVIN R BUSH DAM

Diadromous Tier 5

Brook Trout Tier N/A

Resident Tier 3

 NID ID
 PA00002

 State ID
 PA00002

River Name Kettle Creek

Dam Height (ft) 165

Dam Type Earth

Latitude 41.3581

Longitude -77.9227

Passage Facilities None Documented

Passage Year N/A

Size Class 3a: Medium Tributary River (200

HUC 12 Lower Kettle Creek

HUC 10 Kettle Creek

HUC 8 Middle West Branch Susquehan

HUC 6 West Branch Susquehanna

HUC 4 Susquehanna







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.05	% Tree Cover in ARA of Upstream Network	89.82				
% Natural Cover in Upstream Drainage Area	94.72	% Tree Cover in ARA of Downstream Network	81.88				
% Forested in Upstream Drainage Area	89.36	% Herbaceaous Cover in ARA of Upstream Network	7.42				
% Agriculture in Upstream Drainage Area		% Herbaceaous Cover in ARA of Downstream Network	7.38				
% Natural Cover in ARA of Upstream Network	93.1	% Barren Cover in ARA of Upstream Network	0.05				
% Natural Cover in ARA of Downstream Network	93.95	% Barren Cover in ARA of Downstream Network	0				
% Forest Cover in ARA of Upstream Network	87.55	% Road Impervious in ARA of Upstream Network	0.4				
% Forest Cover in ARA of Downstream Network	82.59	% Road Impervious in ARA of Downstream Network	1.47				
% Agricultral Cover in ARA of Upstream Network	5.26	% Other Impervious in ARA of Upstream Network	0.18				
% Agricultral Cover in ARA of Downstream Network	1.68	% Other Impervious in ARA of Downstream Network	0.62				
% Impervious Surf in ARA of Upstream Network	0.09						
% Impervious Surf in ARA of Downstream Network	1.06						



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

CFPPP Unique ID: PA\_PA00002 ALVIN R BUSH DAM

CIFFF Offique ID. FA_FA000	02 ALVIN K BOSH DA					
	Network, Syst	tem Typ	oe and Condition			
Functional Upstream Network (mi) 261.67			Upstream Size Class Gain (#)		2	
Total Functional Network (mi) 267.09			# Downsteam Natural Barriers		0	
Absolute Gain (mi) 5.42			# Downstream Hydropower Dams		4	
# Size Classes in Total Network 4			# Downstream Dams with Passage		6	
# Upstream Network Size Classes 4			# of Downstream Barriers		9	
NFHAP Cumulative Disturband	ce Index		Low			
Dam is on Conserved Land			Yes			
% Conserved Land in 100m Buffer of Upstream Network			85.29			
% Conserved Land in 100m Buffer of Downstream Network			90.8			
Density of Crossings in Upstream Network Watershed (#/r			0.37			
Density of Crossings in Downs						
Density of off-channel dams in	n Upstream Network Wate	ershed	(#/m2) 0			
Density of off-channel dams in	n Downstream Network W	/atersh	ed (#/m2) 0			
	Dia	adromo	ous Fish			
Downstream Alewife	None Documented		Downstream Striped Bass None		e Documented	
Downstream Blueback	None Documented		ownstream Atlantic Sturgeon	None Documented		
Downstream American Shad	Historical	Do	ownstream Shortnose Sturgeon	None Doc	umented	
Downstream Hickory Shad	None Documented	Do	ownstream American Eel	Current		
Presence of 1 or More Downs	tream Anadromous Speci	es Hi	storical			
# Diadromous Species Downstream (incl eel)		1				
Resident Fish			Strea	m Health		
Barrier is in EBTJV BKT Catchment No		lo	Chesapeake Bay Program Stream Health NO_SCOR		n NO_SCORE	
Barrier is in Modeled BKT Catchment (DeWeber)		lo	MD MBSS Benthic IBI Stream Health N/A		N/A	
Barrier Blocks an EBTJV Catchment N		lo	MD MBSS Fish IBI Stream Health N/A		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber) N		lo			N/A	
		4	VA INSTAR mIBI Stream Heal	VA INSTAR mIBI Stream Health		
		)	PA IBI Stream Health		N/A Good	
# Rare Mussel (HUC8)						
# Rare Crayfish (HUC8)	0	ı				
, , , ,	_					

