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

CFPPP Unique ID: VA\_152 LOWER BIG BETHEL DAM

Diadromous Tier 4

Brook Trout Tier N/A

Resident Tier 15

NID ID VA19902

State ID 152

River Name Brick Kiln Creek

Dam Height (ft) 23

Dam Type Gravity

Latitude 37.0936

Longitude -76.4149

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Northwest Branch Back River

HUC 10 Back River-Lower Chesapeake B

HUC 8 Lynnhaven-Poquoson

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)	Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	27.45	% Tree Cover in ARA of Upstream Network	48.6				
% Natural Cover in Upstream Drainage Area	24.76	% Tree Cover in ARA of Downstream Network	46.7				
% Forested in Upstream Drainage Area	9.1	% Herbaceaous Cover in ARA of Upstream Network	12.06				
% Agriculture in Upstream Drainage Area	0.01	% Herbaceaous Cover in ARA of Downstream Network	22.32				
% Natural Cover in ARA of Upstream Network	62.04	% Barren Cover in ARA of Upstream Network	0.04				
% Natural Cover in ARA of Downstream Network	31.07	% Barren Cover in ARA of Downstream Network	0.73				
% Forest Cover in ARA of Upstream Network	5.63	% Road Impervious in ARA of Upstream Network	7.01				
% Forest Cover in ARA of Downstream Network	4.04	% Road Impervious in ARA of Downstream Network	9.1				
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	8.2				
% Agricultral Cover in ARA of Downstream Network	0.3	% Other Impervious in ARA of Downstream Network	17.38				
% Impervious Surf in ARA of Upstream Network	13.15						
% Impervious Surf in ARA of Downstream Network	23.38						



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CIFFF Offique ID. VA_132	LOWER DIO DETRIE					
	Network, Syste	em Type	e and Condition			
Functional Upstream Network	(mi) 1.55		Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	160.47		# Downsteam Natural Barriers		0	
Absolute Gain (mi)	1.55		# Downstream Hydropower Da		0	
# Size Classes in Total Network	k 3		# Downstream Dams with Passa		0	
# Upstream Network Size Clas	ses 2		# of Downstream Barriers		0	
NFHAP Cumulative Disturband	e 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 Buffer of Downstream Network			13.26			
Density of Crossings in Upstream Network Watershed (#/m			2.63			
Density of Crossings in Downs						
Density of off-channel dams in	·	-				
Density of off-channel dams in	ı Downstream Network Wa	atershe	d (#/m2) 0			
	Diac	dromou	ıs Fish			
Downstream Alewife	Current	Dov	Downstream Striped Bass		None Documented	
Downstream Blueback	Current	Dov	Downstream Atlantic Sturgeon No		umented	
Downstream American Shad	None Documented	Dov	wnstream Shortnose Sturgeon	None Doc	umented	
Downstream Hickory Shad	None Documented	Dov	wnstream American Eel	Current		
Presence of 1 or More Downs	tream Anadromous Specie	es Cur	rent			
# Diadromous Species Downstream (incl eel)		3				
Resident Fish			Strea	m Health		
Barrier is in EBTJV BKT Catchment No		0	Chesapeake Bay Program Stream Health NO_SCOF		NO_SCORE	
Barrier is in Modeled BKT Catchment (DeWeber)		O	MD MBSS Benthic IBI Stream Health N/		N/A	
Barrier Blocks an EBTJV Catchment N		O	MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber)		O	MD MBSS Combined IBI Stream Health		N/A	
Native Fish Species Richness (HUC8)		5	VA INSTAR mIBI Stream Health		High	
# Rare Fish (HUC8)	1		PA IBI Stream Health		N/A	
# Rare Mussel (HUC8)						
# Rare Crayfish (HUC8)	0					

