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

CFPPP Unique ID: MD\_BU014

Diadromous Tier 18

Brook Trout Tier N/A

Resident Tier 20

NID ID

State ID BU014

River Name Deep Spring Branch

Dam Height (ft) 6

Dam Type Unspecified Type

Latitude 39.4549

Longitude -76.2156

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Bush River

HUC 10 Winters Run-Bush River

HUC 8 Gunpowder-Patapsco

HUC 6 Upper Chesapeake

HUC 4 Upper Chesapeake









Landcover						
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area	5.69	% Tree Cover in ARA of Upstream Network	22.1			
% Natural Cover in Upstream Drainage Area	11.97	% Tree Cover in ARA of Downstream Network	37.53			
% Forested in Upstream Drainage Area	0.77	% Herbaceaous Cover in ARA of Upstream Network	69.1			
% Agriculture in Upstream Drainage Area	45.56	% Herbaceaous Cover in ARA of Downstream Network	49.37			
% Natural Cover in ARA of Upstream Network	10.9	% Barren Cover in ARA of Upstream Network	0			
% Natural Cover in ARA of Downstream Network	28.72	% Barren Cover in ARA of Downstream Network	0.33			
% Forest Cover in ARA of Upstream Network	0.47	% Road Impervious in ARA of Upstream Network	6			
% Forest Cover in ARA of Downstream Network	7.36	% Road Impervious in ARA of Downstream Network	3.38			
% Agricultral Cover in ARA of Upstream Network	49.29	% Other Impervious in ARA of Upstream Network	2.71			
% Agricultral Cover in ARA of Downstream Network	35.09	% Other Impervious in ARA of Downstream Network	6.02			
% Impervious Surf in ARA of Upstream Network	3.84					
% Impervious Surf in ARA of Downstream Network	6.66					



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

CFPPP Unique ID: MD\_BU014

Network, System Type and Condition   Functional Upstream Network (mi)   0.23   Upstream Size Class Gain (#)   0	CIFFF Offique ID. MID_BOO14								
Total Functional Network (mil) 1.62 # Downstream Natural Barriers 0 Absolute Gain (mil) 0.23 # Downstream Hydropower Dams 0 # Size Classes in Total Network 1 # Downstream Dams with Passage 0 # Upstream Network Size Classes 0 # of Downstream Barriers 1 NFHAP Cumulative Disturbance Index Moderate  Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 27.28  Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Upstream N		Network, System Type and Condition							
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# Size Classes in Total Network 1 # Downstream Dams with Passage 0 # Upstream Network Size Classes 0 # of Downstream Barriers 1 NFHAP Cumulative Disturbance Index Moderate Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 27.28 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0.95 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0  Diadromous Fish Downstream Alewife Historical Downstream Striped Bass None Documented Downstream Blueback Historical Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented Downstream American Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel Current  Presence of 1 or More Downstream Anadromous Species Historical # Diadromous Species Downstream (incl eel) 1  Resident Fish Stream Health VERY_POOR Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Poor Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Fish IBI Stream Health Fair Native Fish Species Richness (HUC8) 52 VA INSTAR mIBI Stream Health N/A # Rare Fish (HUC8) 1 PA IBI Stream Health N/A # Rare Fish (HUC8) 1 PA IBI Stream Health N/A	Total Functional Network (mi) 1.62			# Downsteam Natural Barriers			0		
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# Rare Mussel (HUC8) 0							•		
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# Kare Craytish (HUC8)	# Rare Crayfish (HUC8)								

