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

CFPPP Unique ID: VA\_1155 BARCROFT DAM

Bay-wide Diadromous Tier 4
Bay-wide Resident Tier 7

Bay-wide Brook Trout Tier N/A

1155

NID ID VA05901

River Name Holmes Run

Dam Height (ft) 69

State ID

Dam Type Gravity
Latitude 38.8431
Longitude -77.1444

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Cameron Run

HUC 10 Cameron Run-Potomac River

HUC 8 Middle Potomac-Anacostia-Occ

HUC 6 Potomac HUC 4 Potomac







	Land	cover		
NLCD (2011)		Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	20.28	% Tree Cover in ARA of Upstream Network	62.65	
% Natural Cover in Upstream Drainage Area	24.47	% Tree Cover in ARA of Downstream Network	50.22	
% Forested in Upstream Drainage Area	21.1	% Herbaceaous Cover in ARA of Upstream Network	11.23	
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	16.85	
% Natural Cover in ARA of Upstream Network	52.64	% Barren Cover in ARA of Upstream Network	0	
% Natural Cover in ARA of Downstream Network	49.05	% Barren Cover in ARA of Downstream Network	0.2	
% Forest Cover in ARA of Upstream Network	29.96	% Road Impervious in ARA of Upstream Network	6.28	
% Forest Cover in ARA of Downstream Network	22.04	% Road Impervious in ARA of Downstream Network	6.37	
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	8.57	
% Agricultral Cover in ARA of Downstream Network	1.78	% Other Impervious in ARA of Downstream Network	13.38	
% Impervious Surf in ARA of Upstream Network	10.23			
% Impervious Surf in ARA of Downstream Network	18.92			

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

CFPPP Unique ID: VA\_1155 BARCROFT DAM

Downstream Blueback  Current  Downstream Atlantic Sturgeon  Downstream American Shad  None Documented  Downstream American Eel  Downstream American Eel  Downstream American Eel  Current  # Diadromous Species Downstream (incl eel)  Resident Fish  Stream  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  No  MD MBSS Fish IBI Stream Health  Barrier Blocks a Modeled BKT Catchment (DeWeber)  No  No  MD MBSS Combined IBI Stream  No  No  No MD MBSS Combined IBI Stream Health  No MD MBSS Combined IBI Stream Health		
Total Functional Network (mi) 605.55  # Downsteam Natural Barrier Absolute Gain (mi) 10.94  # Downstream Hydropower I # Size Classes in Total Network 4  # Downstream Barriers NFHAP Cumulative Disturbance Index		
Absolute Gain (mi)  # 10.94  # Downstream Hydropower I # Size Classes in Total Network  # Upstream Network Size Classes  # Of Downstream Barriers  NFHAP Cumulative Disturbance Index  Dam is on Conserved Land  Mo  # Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  # 18.21  # Conserved Land in 100m Buffer of Downstream Network  Density of Crossings in Upstream Network Watershed (#/m2)  Density of Grossings in Downstream Network Watershed (#/m2)  Density of Grossings in Downstream Network Watershed (#/m2)  Density of off-channel dams in Upstream Network Watershed (#/m2)  Density of off-channel dams in Downstream Network Watershed (#/m2)  Downstream Alewife  Current  Downstream Allantic Sturgeon  Downstream American Shad  None Documented  Downstream American Sturgeon  Downstream Hickory Shad  None Documented  Downstream American Eel  Presence of 1 or More Downstream Anadromous Species  # Diadromous Species Downstream (incl eel)  # Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  No  MD MBSS Benthic IBI Stream Health  MD MBSS Combined IBI Stream Health  # A IBI Stream Health  # A IBI Stream Health  # Rare Fish (HUC8)  1 PA IBI Stream Health	<b>#</b> )	0
# Size Classes in Total Network 4 # Downstream Dams with Pa # Upstream Network Size Classes 2 # of Downstream Barriers  NFHAP Cumulative Disturbance Index  No  Conserved Land in 100m Buffer of Upstream Network 18.21  Conserved Land in 100m Buffer of Downstream Network 33.15  Density of Crossings in Upstream Network Watershed (#/m2) 1.3  Density of Crossings in Downstream Network Watershed (#/m2) 1.72  Density of Off-channel dams in Upstream Network Watershed (#/m2) 0  Density of off-channel dams in Downstream Network Watershed (#/m2) 0  Diadromous Fish  Downstream Alewife Current Downstream Striped Bass  Downstream American Shad None Documented Downstream Atlantic Sturgeon Downstream Hickory Shad None Documented Downstream American Eel  Presence of 1 or More Downstream Anadromous Species Current  # Diadromous Species Downstream (incl eel) 3  Resident Fish Stream American is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Rarre Fish (HUC8) 1 PA IBI Stream Health	iers	0
# Upstream Network Size Classes 2 # of Downstream Barriers NFHAP Cumulative Disturbance Index Dam is on Conserved Land % Conserved Land in 100m Buffer of Upstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network % 33.15 Density of Crossings in Upstream Network Watershed (#/m2) 1.3 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Diadromous Fish Downstream Alewife Current Downstream Striped Bass Downstream Allewife Current Downstream Shortnose Sturgeon Downstream American Shad None Documented Downstream American Eel Downstream Hickory Shad None Documented Downstream American Eel Presence of 1 or More Downstream Anadromous Species Current # Diadromous Species Downstream (incl eel) 3  Resident Fish Stream American Eel # Diadromous Species Downstream (incl eel) 3  Resident Fish Stream Health Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier Blocks an EBTJV Catchment No MD MBSS Combined IBI Stream Health # Rare Fish (HUC8) 1 PA IBI Stream Health # PA IBI Stream Health	r Dams	0
NFHAP Cumulative Disturbance Index  Dam is on Conserved Land  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved (#/m2)  Conserved (#/m2)  Downstream Striped Bass  Coursent  Coursen	Passage	0
Dam is on Conserved Land  No  Conserved Land in 100m Buffer of Upstream Network  Conserved Land in 100m Buffer of Downstream Network  Conserved (#/m2)  Conserved (#/m2)		0
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Resident Fish  Barrier is in EBTJV BKT Catchment  Barrier is in Modeled BKT Catchment (DeWeber)  Barrier Blocks an EBTJV Catchment  Barrier Blocks a Modeled BKT Catchment (DeWeber)  No  MD MBSS Benthic IBI Stream Healt  MD MBSS Fish IBI Stream Healt  MD MBSS Combined IBI Stream  MD MBSS Combined IBI Stream  Mative Fish Species Richness (HUC8)  # Rare Fish (HUC8)  1  PA IBI Stream Health		
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# Rare Fish (HUC8)  1 PA IBI Stream Health	MD MBSS Combined IBI Stream Health Poor	
	th	Very High
5		N/A
# Rare Mussel (HUC8) 5		
# Rare Crayfish (HUC8) 0		

