Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1233 QUAIL RIDGE DAM

Diadromous Tier 9

Brook Trout Tier N/A

Resident Tier 11

NID ID VA10720

State ID 1233

River Name

Dam Height (ft) 22

Dam Type Gravity

Latitude 38.9541

Longitude -77.5574

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Lenah Run-Broad Run

HUC 10 Broad Run-Potomac River

HUC 8 Middle Potomac-Catoctin

HUC 6 Potomac HUC 4 Potomac







Landcover				
NLCD (2011)		Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	2.19	% Tree Cover in ARA of Upstream Network	34.52	
% Natural Cover in Upstream Drainage Area	25.24	% Tree Cover in ARA of Downstream Network	50.17	
% Forested in Upstream Drainage Area	13.96	% Herbaceaous Cover in ARA of Upstream Network	34.42	
% Agriculture in Upstream Drainage Area	60.58	% Herbaceaous Cover in ARA of Downstream Network	39.72	
% Natural Cover in ARA of Upstream Network	43.59	% Barren Cover in ARA of Upstream Network	1.7	
% Natural Cover in ARA of Downstream Network	43.71	% Barren Cover in ARA of Downstream Network	0.35	
% Forest Cover in ARA of Upstream Network	15.06	% Road Impervious in ARA of Upstream Network	0	
% Forest Cover in ARA of Downstream Network	30.17	% Road Impervious in ARA of Downstream Network	1.96	
% Agricultral Cover in ARA of Upstream Network	56.41	% Other Impervious in ARA of Upstream Network	1.41	
% Agricultral Cover in ARA of Downstream Network	38.99	% Other Impervious in ARA of Downstream Network	3.66	
% Impervious Surf in ARA of Upstream Network	0			
% Impervious Surf in ARA of Downstream Network	3.98			



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Barrier Blocks an EBTJV Catchment Yes MD MBSS Fish IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Native Fish Species Richness (HUC8) MD MBSS Combined IBI Stream Health VA INSTAR mIBI Stream Health	
Total Functional Network (mi) 2912.71 # Downstream Natural Barriers Absolute Gain (mi) 0.3 # Downstream Hydropower Dams # Size Classes in Total Network 7 # Downstream Dams with Passage # Upstream Network Size Classes 0 # of Downstream Barriers NFHAP Cumulative Disturbance Index High No % Conserved Land in 100m Buffer of Upstream Network Conserved Land in 100m Buffer of Downstream Network % Conserved Land in 100m Buffer of Downstream Network Density of Crossings in Upstream Network Watershed (#/m2) Density of Crossings 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) Density of off-channel dams in Downstream Network Watershed (#/m2) Downstream Alewife Historical Downstream Striped Bass None Docur Downstream Alewife Historical Downstream Striped Bass None Docur Downstream American Shad None Docurented Downstream Shortnose Sturgeon None Docur Downstream Hickory Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species # Diadromous Species Downstream (incl eel) 1 Resident Fish Resident Fish Stream Health Stream Health Sarrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Fish IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health Native Fish Species Richness (HUC8) 51 VA INSTAR mIBI Stream Health # Rare Fish (HUC8) 0 PA IBI Stream Health	
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