Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_864 DUBLIN MILLPOND DAM

Bay-wide Diadromous Tier 1
Bay-wide Resident Tier 1

Bay-wide Brook Trout Tier N/A

NID ID VA10111

State ID 864

River Name Dorrell Creek

Dam Height (ft) 15

Dam Type Gravity

Latitude 37.847

Longitude -77.1957

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Herring Creek

HUC 10 Chapel Creek-Mattaponi River

HUC 8 Mattaponi

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.23	% Tree Cover in ARA of Upstream Network	88.89
% Natural Cover in Upstream Drainage Area	80.02	% Tree Cover in ARA of Downstream Network	81.81
% Forested in Upstream Drainage Area	54.78	% Herbaceaous Cover in ARA of Upstream Network	7.74
% Agriculture in Upstream Drainage Area	17.07	% Herbaceaous Cover in ARA of Downstream Network	10.66
% Natural Cover in ARA of Upstream Network	91.37	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	86.69	% Barren Cover in ARA of Downstream Network	0.32
% Forest Cover in ARA of Upstream Network	52.63	% Road Impervious in ARA of Upstream Network	0.24
% Forest Cover in ARA of Downstream Network	38.6	% Road Impervious in ARA of Downstream Network	0.49
% Agricultral Cover in ARA of Upstream Network	6.99	% Other Impervious in ARA of Upstream Network	0.38
% Agricultral Cover in ARA of Downstream Network	9.76	% Other Impervious in ARA of Downstream Network	0.52
% Impervious Surf in ARA of Upstream Network	0.13		
% Impervious Surf in ARA of Downstream Network	0.44		



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CFPPP Unique ID: VA 864 **DUBLIN MILLPOND DAM** Network, System Type and Condition Functional Upstream Network (mi) Upstream Size Class Gain (#) O 20.21 Total Functional Network (mi) 1709.18 # Downsteam Natural Barriers 0 Absolute Gain (mi) 20.21 \cap # Downstream Hydropower Dams # Size Classes in Total Network 4 # Downstream Dams with Passage O # Upstream Network Size Classes 2 # of Downstream Barriers NEHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land Nο % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 6.56 Density of Crossings in Upstream Network Watershed (#/m2) 0.46 Density of Crossings in Downstream Network Watershed (#/m2) 0.64 Density of off-channel dams in Upstream Network Watershed (#/m2) Density of off-channel dams in Downstream Network Watershed (#/m2) Λ Diadromous Fish Downstream Alewife Downstream Striped Bass None Documented Current Downstream Blueback Current Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented None Documented Downstream Shortnose Sturgeon Downstream American Eel Downstream Hickory Shad None Documented Current One or More DS Anadromous Species Current # Diadromous Sp Dnstrm (incl eel) Resident Fish and Rare Species Stream Health Barrier is in EBTJV BKT Catchment No Chesapeake Bay Program Stream Health FAIR Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks an EBTJV Catchment No MD MBSS Fish IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 54 VA INSTAR mIBI Stream Health Very High 2 # Rare Fish (HUC8) PA IBI Stream Health N/A # Rare Mussel (HUC8) 4 # Rare Crayfish (HUC8) 0 Globally rare or fed listed fish/mussel sp HUC12 Rare fish or mussel sp in HUC12 Nο Nο Globally rare or fed listed fish/mussel sp in Rare fish or mussel in upstream or No No downstream functional network



upstream or downstream functional network