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

CFPPP Unique ID: VA\_782 LAKE PRINCE DAM

Diadromous Tier 12

Brook Trout Tier N/A

Resident Tier 8

NID ID VA80004

State ID 782

River Name

Dam Height (ft) 32

Dam Type Earth

Latitude 36.8076

Longitude -76.6225

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Lake Prince

HUC 10 Nansemond River

HUC 8 Hampton Roads

HUC 6 James

HUC 4 Lower Chesapeake







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.68	% Tree Cover in ARA of Upstream Network	69.22
% Natural Cover in Upstream Drainage Area	60.02	% Tree Cover in ARA of Downstream Network	44.07
% Forested in Upstream Drainage Area	30.67	% Herbaceaous Cover in ARA of Upstream Network	20.18
% Agriculture in Upstream Drainage Area	29.26	% Herbaceaous Cover in ARA of Downstream Network	12.23
% Natural Cover in ARA of Upstream Network	72.6	% Barren Cover in ARA of Upstream Network	0.07
% Natural Cover in ARA of Downstream Network	83.69	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	28.56	% Road Impervious in ARA of Upstream Network	1.27
% Forest Cover in ARA of Downstream Network	28.29	% Road Impervious in ARA of Downstream Network	0.45
% Agricultral Cover in ARA of Upstream Network	16.89	% Other Impervious in ARA of Upstream Network	1.97
% Agricultral Cover in ARA of Downstream Network	11.11	% Other Impervious in ARA of Downstream Network	1.12
% Impervious Surf in ARA of Upstream Network	1.66		
% Impervious Surf in ARA of Downstream Network	0.57		



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

CFPPP Unique ID: VA 782 LAKE PRINCE DAM

Network, System Type and Condition  Functional Upstream Network (mi) 62.68 Upstream Size Class Gain (#) 0  Total Functional Network (mi) 85.19 # Downsteam Natural Barriers 0  Absolute Gain (mi) 22.51 # Downstream Hydropower Dams 0  # Size Classes in Total Network 3 # Downstream Barriers 1  # Downstream Dams with Passage 0  # Upstream Network Size Classes 2 # of Downstream Barriers 1  Not Scored / Unavailable at this scale  Dam is on Conserved Land in 100m Buffer of Upstream Network 0  % Conserved Land in 100m Buffer of Downstream Network 0.01  Density of Crossings in Upstream Network Watershed (#/m2) 0.68  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  Diadromous Fish  Downstream Alewife Historical Downstream Striped Bass None Documented Downstream Hickory Shad None Documented Downstream Shortnose Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel None Documented Downstream Hickory Shad None Documented Downstream American Eel None Documented Presence of 1 or More Downstream Anadromous Species Historical # Diadromous Species Downstream Anadromous Species Historical # Diadromous Species Downstream Anadromous Species Historical # Diadromous Species Downstream (incl eel) 0  Resident Fish Stream Health VERY_PC  Barrier is in BETJV BKT Catchment (DeWeber) No MD MBSS Eenthic IBI Stream Health VERY_PC  MD MBSS Fish IBI Stream Health N/A  Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A	FPPP Unique ID: VA_782	LAKE PRINCE DAM				
Total Functional Network (mi) 85.19 # Downsteam Natural Barriers 0 Absolute Gain (mi) 22.51 # Downstream Hydropower Dams 0 # Size Classes in Total Network 3 # Downstream Barriers 1 NFHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 0.01 Density of Crossings in Upstream Network Watershed (#/m2) 0.68 Density of Crossings in Downstream Network Watershed (#/m2) 0.37 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 Downstream Alewife Historical Downstream Striped Bass None Documented Downstream Blueback Historical Downstream Striped Bass None Documented Downstream American Shad None Documented Downstream Shortnose Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel None Documented Presence of 1 or More Downstream Anadromous Species Historical # Diadromous Species Downstream (incl eel) 0  Resident Fish Stream Health VERY_PC Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Fish IBI Stream Health N/A Barrier Blocks an EBTJV Catchment (DeWeber) No MD MBSS Fish IBI Stream Health N/A		Network, System	n Type and Cond	dition		
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Barrier Blocks an EBTJV Catchment No MD MBSS Fish IBI Stream Health N/A						_
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Native Fish Species Richness (HUC8)  46  VA INSTAR mIBI Stream Health  High						
				PA IBI Stream Health		
# Rare Mussel (HUC8)			17(1513	c. cam ricaltii		14/11
# Rare Crayfish (HUC8) 0	, ,					

