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

CFPPP Unique ID:	VA_999		THOMAS DAM
Bay-wide Diadron	nous Tier	8	
Bay-wide Residen	t Tier	10	
Bay-wide Brook T	rout Tier	N/A	
NID ID			
State ID	999		
River Name			
Dam Height (ft)	24		
Dam Type	Earth		
Latitude	37.3735		
Longitude	-79.0191		
Passage Facilities	None Doc	ument	ed
Passage Year	N/A		
Size Class	1a: Headw	Headwater (0 - 3.861 sq mi)	
HUC 12	Archer Cre	ther Creek-James River	
HUC 10	Wreck Isla	ind Cre	eek-James River







	Landcover	
NLCD (2011)		
% Impervious Surface in Upstream Drainage Area	5.68	% Tre
% Natural Cover in Upstream Drainage Area	45.28	% Tre
% Forested in Upstream Drainage Area	41.18	% Hei
% Agriculture in Upstream Drainage Area	23.3	% Her
% Natural Cover in ARA of Upstream Network	0	% Bar
% Natural Cover in ARA of Downstream Network	79.33	% Bar
% Forest Cover in ARA of Upstream Network	0	% Roa
% Forest Cover in ARA of Downstream Network	65.28	% Roa
% Agricultral Cover in ARA of Upstream Network	40	% Oth
% Agricultral Cover in ARA of Downstream Network	16.03	% Oth
% Impervious Surf in ARA of Upstream Network	6.4	
% Impervious Surf in ARA of Downstream Network	0.71	

Middle James-Buffalo

Lower Chesapeake

James

HUC 8

HUC 4

1	00 (0.1)	
	Chesapeake Conservancy (2016)	
	% Tree Cover in ARA of Upstream Network	9.51
	% Tree Cover in ARA of Downstream Network	79.1
	% Herbaceaous Cover in ARA of Upstream Network	82.37
	% Herbaceaous Cover in ARA of Downstream Network	15.73
	% Barren Cover in ARA of Upstream Network	0
	% Barren Cover in ARA of Downstream Network	0.1
	% Road Impervious in ARA of Upstream Network	0
	% Road Impervious in ARA of Downstream Network	0.6
	% Other Impervious in ARA of Upstream Network	8.13
	% Other Impervious in ARA of Downstream Network	0.78

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

CFPPP Unique ID: VA 999 **THOMAS DAM** Network, System Type and Condition Functional Upstream Network (mi) 1.49 Upstream Size Class Gain (#) O Total Functional Network (mi) 5432.51 # Downsteam Natural Barriers 0 Absolute Gain (mi) 1.49 2 # Downstream Hydropower Dams # Size Classes in Total Network 6 # Downstream Dams with Passage # Upstream Network Size Classes # of Downstream Barriers 1 NEHAP Cumulative Disturbance Index High Dam is on Conserved Land Nο % Conserved Land in 100m Buffer of Upstream Network % Conserved Land in 100m Buffer of Downstream Network 11.23 4.86 Density of Crossings in Upstream Network Watershed (#/m2) Density of Crossings in Downstream Network Watershed (#/m2) 0.84 Density of off-channel dams in Upstream Network Watershed (#/m2) Density of off-channel dams in Downstream Network Watershed (#/m2)  $\cap$ Diadromous Fish Downstream Alewife **Potential Current** None Documented **Downstream Striped Bass** Downstream Blueback **Potential Current** Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented None Documented Downstream Shortnose Sturgeon Downstream Hickory Shad None Documented Downstream American Eel Current One or More DS Anadromous Species Potential Curre # 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 Yes 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) 50 VA INSTAR mIBI Stream Health Moderate 0 # 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 Yes No Globally rare or fed listed fish/mussel sp in Rare fish or mussel in upstream or



Yes

upstream or downstream functional network

Yes

downstream functional network