





## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: <b>VA_333</b>		<b>LAKE VISTA DAM #2</b>		<b>Swan Lake Dam</b>	
Bay-wide Diadromous Tier	16	 			
Bay-wide Resident Tier	18				
Bay-wide Brook Trout Tier	N/A				
NID ID	VA01925				
State ID	333	 			
River Name					
Dam Height (ft)	32				
Dam Type	Earth				
Latitude	37.3843				
Longitude	-79.2574				
Passage Facilities	None Documented				
Passage Year	N/A				
Size Class	1a: Headwater (0 - 3.861 sq mi)				
HUC 12	Cheese Creek-Ivy Creek				
HUC 10	Harris Creek-James River				
HUC 8	Middle James-Buffalo				
HUC 6	James				
HUC 4	Lower Chesapeake				

Landcover					
NLCD (2011)			Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	16.61		% Tree Cover in ARA of Upstream Network	46.31	
% Natural Cover in Upstream Drainage Area	24.92		% Tree Cover in ARA of Downstream Network	40.86	
% Forested in Upstream Drainage Area	23.15		% Herbaceous Cover in ARA of Upstream Network	31.24	
% Agriculture in Upstream Drainage Area	18.73		% Herbaceous Cover in ARA of Downstream Network	13.68	
% Natural Cover in ARA of Upstream Network	27.16		% Barren Cover in ARA of Upstream Network	0.59	
% Natural Cover in ARA of Downstream Network	45.25		% Barren Cover in ARA of Downstream Network	0	
% Forest Cover in ARA of Upstream Network	23.44		% Road Impervious in ARA of Upstream Network	5.16	
% Forest Cover in ARA of Downstream Network	20.67		% Road Impervious in ARA of Downstream Network	4.57	
% Agricultural Cover in ARA of Upstream Network	21.63		% Other Impervious in ARA of Upstream Network	9.4	
% Agricultural Cover in ARA of Downstream Network	0		% Other Impervious in ARA of Downstream Network	10.37	
% Impervious Surf in ARA of Upstream Network	12.61				
% Impervious Surf in ARA of Downstream Network	10.94				

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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**LAKE VISTA DAM #2**

**Swan Lake Dam**

## Network, System Type and Condition

Functional Upstream Network (mi)	4.08	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	5.51	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.44	# Downstream Hydropower Dams	2
# Size Classes in Total Network	1	# Downstream Dams with Passage	4
# Upstream Network Size Classes	1	# of Downstream Barriers	6
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	0		
Density of Crossings in Upstream Network Watershed (#/m2)	2		
Density of Crossings in Downstream Network Watershed (#/m2)	2.78		
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 Blueback	Historical	Downstream Atlantic Sturgeon	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

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	50
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	4
# Rare Crayfish (HUC8)	0

## Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	Moderate
PA IBI Stream Health	N/A

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