Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12189** **JONES LAKE DAM** **ANDOVER DAM**

Diadromous Tier	1
Brook Trout Tier	N/A
Resident Tier	5
NID ID	MD00170
State ID	12189
River Name	Andover Branch
Dam Height (ft)	13
Dam Type	Earth
Latitude	39.247
Longitude	-75.818
Passage Facilities	Denil
Passage Year	2004
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Andover Branch
HUC 10	Chester River
HUC 8	Chester-Sassafras
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.5
% Natural Cover in Upstream Drainage Area	41.62
% Forested in Upstream Drainage Area	11.29
% Agriculture in Upstream Drainage Area	53.31
% Natural Cover in ARA of Upstream Network	48.49
% Natural Cover in ARA of Downstream Network	40.6
% Forest Cover in ARA of Upstream Network	11.9
% Forest Cover in ARA of Downstream Network	11.65
% Agricultral Cover in ARA of Upstream Network	46.26
% Agricultral Cover in ARA of Downstream Network	51.32
% Impervious Surf in ARA of Upstream Network	0.51
% Impervious Surf in ARA of Downstream Network	1.17

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	52.16
% Tree Cover in ARA of Downstream Network	36.77
% Herbaceaous Cover in ARA of Upstream Network	45.52
% Herbaceaous Cover in ARA of Downstream Network	54.04
% Barren Cover in ARA of Upstream Network	0.16
% Barren Cover in ARA of Downstream Network	0.15
% Road Impervious in ARA of Upstream Network	0.83
% Road Impervious in ARA of Downstream Network	1
% Other Impervious in ARA of Upstream Network	0.95
% Other Impervious in ARA of Downstream Network	1.46

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

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Network, System Type and Condition

Functional Upstream Network (mi)	118.1	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	739.16	# Downsteam Natural Barriers	0
Absolute Gain (mi)	118.1	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	22.18
% Conserved Land in 100m Buffer of Downstream Network	20.13
Density of Crossings in Upstream Network Watershed (#/m2)	0.64
Density of Crossings in Downstream Network Watershed (#/m2)	0.46
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.02

Diadromous Fish

Downstream Alewife	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	5

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)	48
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

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

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