



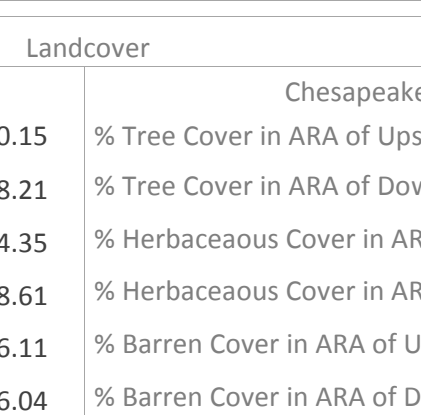
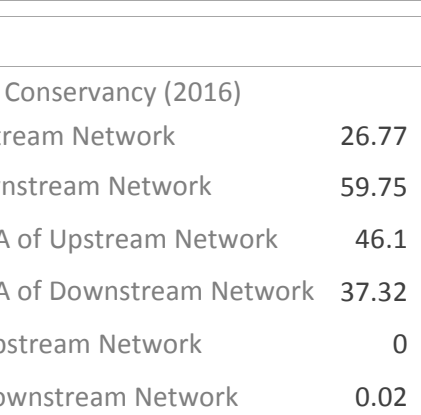
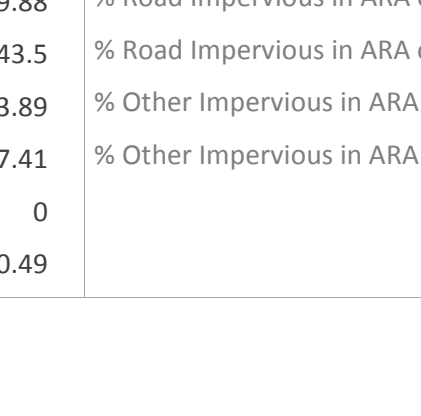
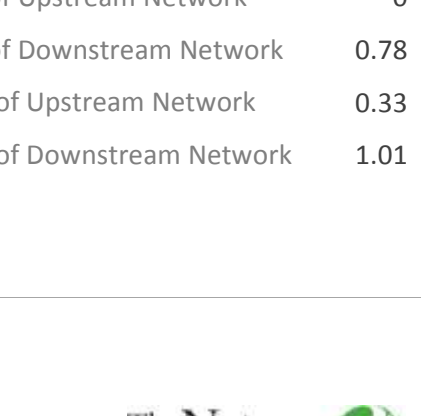


Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1229		OLIVER DAM	Kingsley Dam
Diadromous Tier	18		
Brook Trout Tier	N/A		
Resident Tier	10		
NID ID	VA10702		
State ID	1229		
River Name			
Dam Height (ft)	44		
Dam Type	Gravity		
Latitude	39.068		
Longitude	-77.6736		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1a: Headwater (0 - 3.861 sq mi)		
HUC 12	North Fork Goose Creek		
HUC 10	North Fork Goose Creek		
HUC 8	Middle Potomac-Catoctin		
HUC 6	Potomac		
HUC 4	Potomac		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.15	% Tree Cover in ARA of Upstream Network	26.77
% Natural Cover in Upstream Drainage Area	58.21	% Tree Cover in ARA of Downstream Network	59.75
% Forested in Upstream Drainage Area	54.35	% Herbaceous Cover in ARA of Upstream Network	46.1
% Agriculture in Upstream Drainage Area	38.61	% Herbaceous Cover in ARA of Downstream Network	37.32
% Natural Cover in ARA of Upstream Network	46.11	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	46.04	% Barren Cover in ARA of Downstream Network	0.02
% Forest Cover in ARA of Upstream Network	19.88	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	43.5	% Road Impervious in ARA of Downstream Network	0.78
% Agricultural Cover in ARA of Upstream Network	53.89	% Other Impervious in ARA of Upstream Network	0.33
% Agricultural Cover in ARA of Downstream Network	47.41	% Other Impervious in ARA of Downstream Network	1.01
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0.49		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1229		OLIVER DAM		Kingsley Dam	
Network, System Type and Condition					
Functional Upstream Network (mi)	2.34	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	799.31	# Downsteam Natural Barriers	1		
Absolute Gain (mi)	2.34	# Downstream Hydropower Dams	0		
# Size Classes in Total Network	4	# Downstream Dams with Passage	1		
# Upstream Network Size Classes	1	# of Downstream Barriers	4		
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale			
Dam is on Conserved Land		Yes			
% Conserved Land in 100m Buffer of Upstream Network		70.67			
% Conserved Land in 100m Buffer of Downstream Network		38.26			
Density of Crossings in Upstream Network Watershed (#/m2)		0			
Density of Crossings in Downstream Network Watershed (#/m2)		1.27			
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	None Documented	Downstream Striped Bass	None Documented		
Downstream Blueback	None Documented	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		None Docume			
# Diadromous Species Downstream (incl eel)		0			
Resident Fish			Stream Health		
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	POOR		
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)	51	VA INSTAR mIBI Stream Health	Moderate		
# Rare Fish (HUC8)	0	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	4				
# Rare Crayfish (HUC8)	0				

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf