



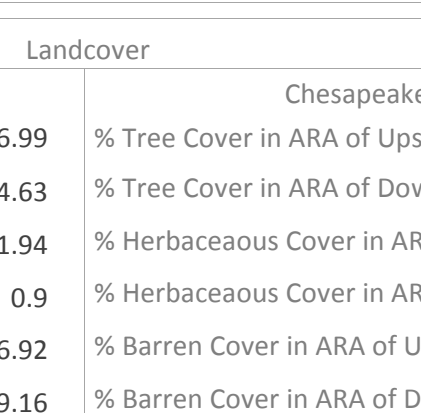
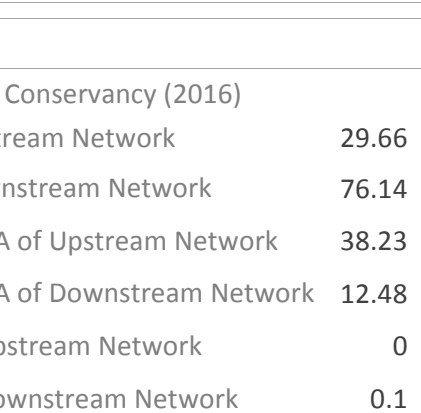
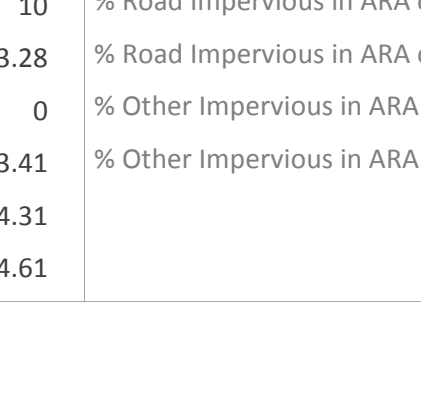
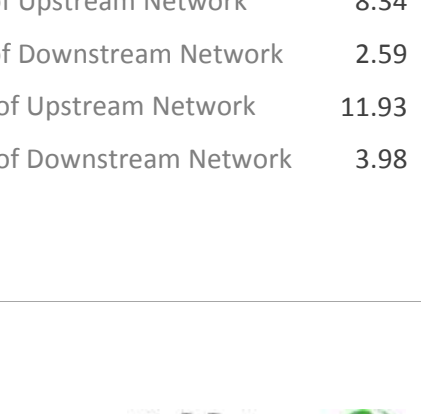
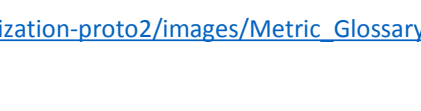
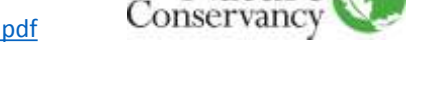


Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_389		THREE CHOPT ESTATE DAM	Lake Overton
Diadromous Tier	20		
Brook Trout Tier	N/A		
Resident Tier	12		
NID ID	VA08714		
State ID	389		
River Name			
Dam Height (ft)	18		
Dam Type	Earth		
Latitude	37.622		
Longitude	-77.4309		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1a: Headwater (0 - 3.861 sq mi)		
HUC 12	Upham Brook		
HUC 10	Upper Chickahominy River		
HUC 8	Lower James		
HUC 6	James		
HUC 4	Lower Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	16.99	% Tree Cover in ARA of Upstream Network	29.66
% Natural Cover in Upstream Drainage Area	14.63	% Tree Cover in ARA of Downstream Network	76.14
% Forested in Upstream Drainage Area	11.94	% Herbaceous Cover in ARA of Upstream Network	38.23
% Agriculture in Upstream Drainage Area	0.9	% Herbaceous Cover in ARA of Downstream Network	12.48
% Natural Cover in ARA of Upstream Network	26.92	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	79.16	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	10	% Road Impervious in ARA of Upstream Network	8.34
% Forest Cover in ARA of Downstream Network	23.28	% Road Impervious in ARA of Downstream Network	2.59
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	11.93
% Agricultural Cover in ARA of Downstream Network	3.41	% Other Impervious in ARA of Downstream Network	3.98
% Impervious Surf in ARA of Upstream Network	14.31		
% Impervious Surf in ARA of Downstream Network	4.61		

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_389		THREE CHOPT ESTATE DAM		Lake Overton	
Network, System Type and Condition					
Functional Upstream Network (mi)	0.69	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	509.34	# Downsteam Natural Barriers	0		
Absolute Gain (mi)	0.69	# Downstream Hydropower Dams	0		
# Size Classes in Total Network	4	# Downstream Dams with Passage	1		
# Upstream Network Size Classes	1	# of 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		6.45			
Density of Crossings in Upstream Network Watershed (#/m2)		1.78			
Density of Crossings in Downstream Network Watershed (#/m2)		1.24			
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	Current		
Presence of 1 or More Downstream Anadromous Species		None Docume			
# Diadromous Species Downstream (incl eel)		1			
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)	62	VA INSTAR mIBI Stream Health	High		
# Rare Fish (HUC8)	2	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	1				
# Rare Crayfish (HUC8)	0				

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