



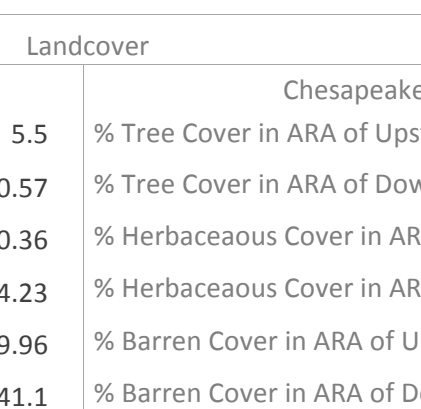
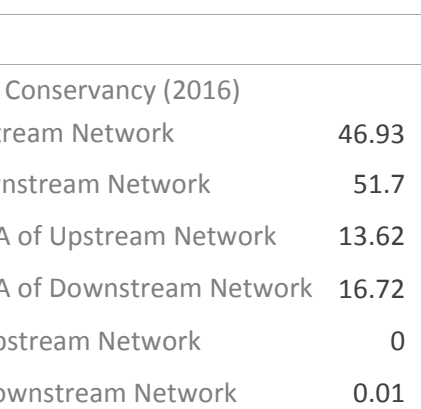
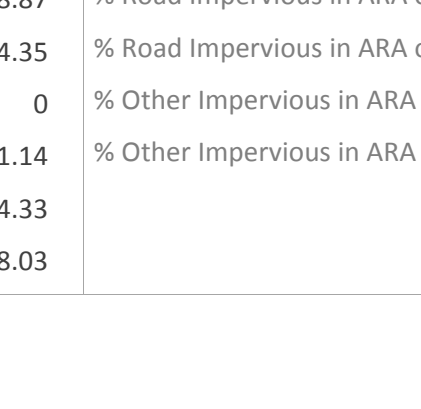
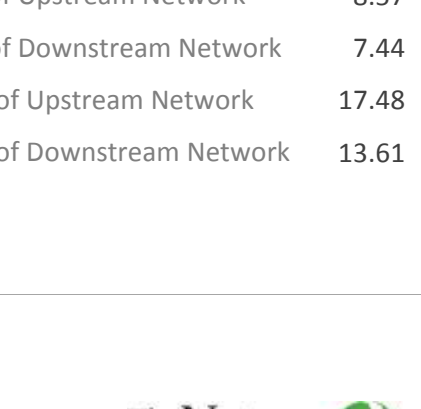
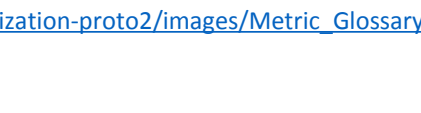



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_765		CITY RESERVOIR DAM	Lee Hall Reservoir Dam
Bay-wide Diadromous Tier	3		
Bay-wide Resident Tier	12		
Bay-wide Brook Trout Tier	N/A		
NID ID	VA70001		
State ID	765		
River Name	Warwick River		
Dam Height (ft)	21		
Dam Type	Gravity		
Latitude	37.1719		
Longitude	-76.5628		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1b: Creek (3.861 - 38.61 sq mi)		
HUC 12	Warwick River		
HUC 10	Pagan River-James River		
HUC 8	Lower James		
HUC 6	James		
HUC 4	Lower Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	5.5	% Tree Cover in ARA of Upstream Network	46.93
% Natural Cover in Upstream Drainage Area	70.57	% Tree Cover in ARA of Downstream Network	51.7
% Forested in Upstream Drainage Area	50.36	% Herbaceous Cover in ARA of Upstream Network	13.62
% Agriculture in Upstream Drainage Area	4.23	% Herbaceous Cover in ARA of Downstream Network	16.72
% Natural Cover in ARA of Upstream Network	39.96	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	41.1	% Barren Cover in ARA of Downstream Network	0.01
% Forest Cover in ARA of Upstream Network	18.87	% Road Impervious in ARA of Upstream Network	8.57
% Forest Cover in ARA of Downstream Network	14.35	% Road Impervious in ARA of Downstream Network	7.44
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	17.48
% Agricultural Cover in ARA of Downstream Network	1.14	% Other Impervious in ARA of Downstream Network	13.61
% Impervious Surf in ARA of Upstream Network	24.33		
% Impervious Surf in ARA of Downstream Network	18.03		

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_765		CITY RESERVOIR DAM		Lee Hall Reservoir Dam	
Network, System Type and Condition					
Functional Upstream Network (mi)	3.21	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	98.03	# Downsteam Natural Barriers		0	
Absolute Gain (mi)	3.21	# Downstream Hydropower Dams		0	
# Size Classes in Total Network	3	# Downstream Dams with Passage		0	
# Upstream Network Size Classes	2	# 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		54.22			
% Conserved Land in 100m Buffer of Downstream Network		28.8			
Density of Crossings in Upstream Network Watershed (#/m2)		4.21			
Density of Crossings in Downstream Network Watershed (#/m2)		1.84			
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	Current	Downstream Striped Bass		Current	
Downstream Blueback	Current	Downstream Atlantic Sturgeon		None Documented	
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon		None Documented	
Downstream Hickory Shad	None Documented	Downstream American Eel		Current	
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)		4	
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	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				
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12		No	
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network		No	

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf