



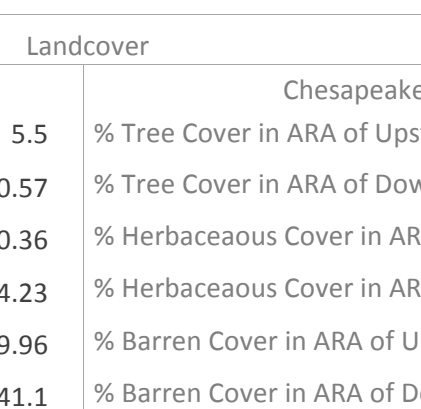
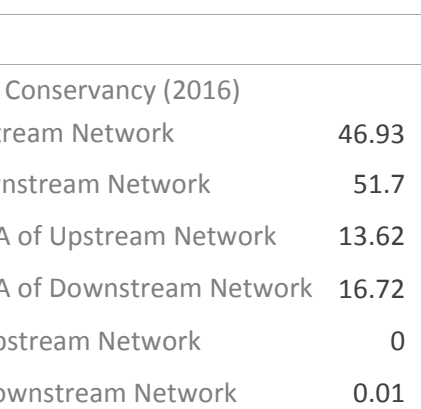
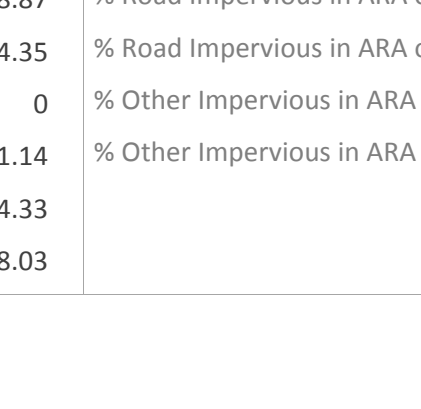
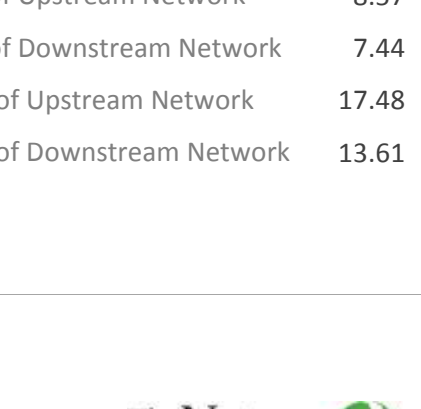
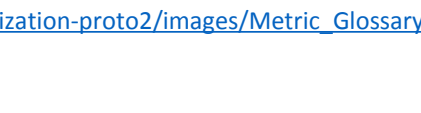



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

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	# Downstream 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
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	4		

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)	62
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
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	High
PA IBI Stream Health	N/A

Metric descriptions can be found at:

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