



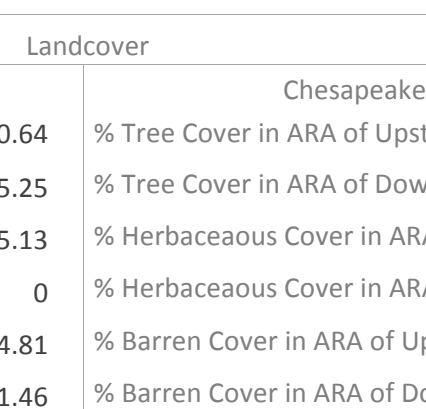
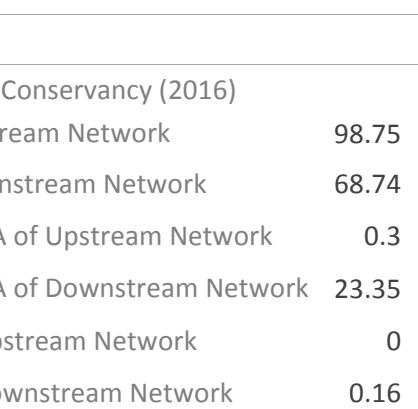
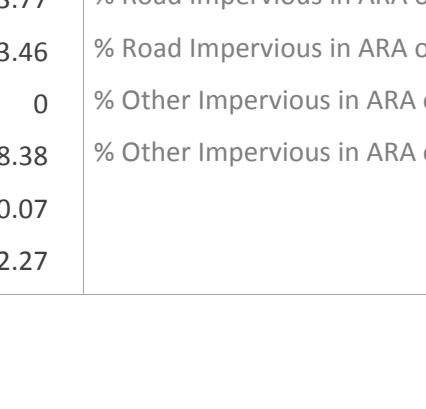
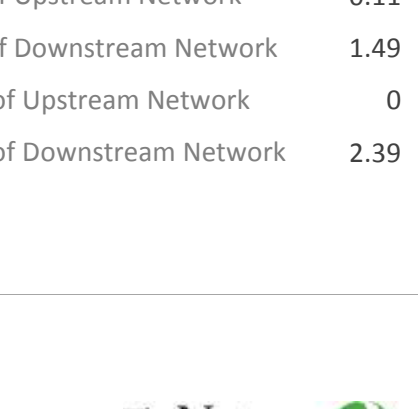
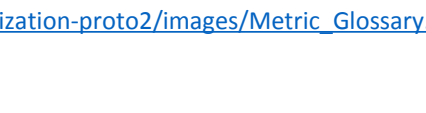


Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: PA_18-008		HARVEYS	Upper Castanea Reservoir	
Bay-wide Diadromous Tier	10			
Bay-wide Resident Tier	4			
Bay-wide Brook Trout Tier	6			
NID ID				
State ID	18-008			
River Name	Harveys Run			
Dam Height (ft)	10			
Dam Type	Earth			
Latitude	41.1155			
Longitude	-77.4219			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	Bald Eagle Creek-West Branch S			
HUC 10	Bald Eagle Creek			
HUC 8	Bald Eagle			
HUC 6	West Branch Susquehanna			
HUC 4	Susquehanna			

Landcover					
NLCD (2011)			Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	0.64		% Tree Cover in ARA of Upstream Network	98.75	
% Natural Cover in Upstream Drainage Area	95.25		% Tree Cover in ARA of Downstream Network	68.74	
% Forested in Upstream Drainage Area	95.13		% Herbaceous Cover in ARA of Upstream Network	0.3	
% Agriculture in Upstream Drainage Area	0		% Herbaceous Cover in ARA of Downstream Network	23.35	
% Natural Cover in ARA of Upstream Network	94.81		% Barren Cover in ARA of Upstream Network	0	
% Natural Cover in ARA of Downstream Network	71.46		% Barren Cover in ARA of Downstream Network	0.16	
% Forest Cover in ARA of Upstream Network	93.77		% Road Impervious in ARA of Upstream Network	0.11	
% Forest Cover in ARA of Downstream Network	63.46		% Road Impervious in ARA of Downstream Network	1.49	
% Agricultural Cover in ARA of Upstream Network	0		% Other Impervious in ARA of Upstream Network	0	
% Agricultural Cover in ARA of Downstream Network	18.38		% Other Impervious in ARA of Downstream Network	2.39	
% Impervious Surf in ARA of Upstream Network	0.07				
% Impervious Surf in ARA of Downstream Network	2.27				

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: **PA_18-008**

HARVEYS

Upper Castanea Reservoir

Network, System Type and Condition

Functional Upstream Network (mi)	3.54	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1962.06	# Downstream Natural Barriers	0
Absolute Gain (mi)	3.54	# Downstream Hydropower Dams	4
# Size Classes in Total Network	6	# Downstream Dams with Passage	6
# Upstream Network Size Classes	1	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	75.49		
% Conserved Land in 100m Buffer of Downstream Network	38.6		
Density of Crossings in Upstream Network Watershed (#/m2)	0.42		
Density of Crossings in Downstream Network Watershed (#/m2)	0.72		
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 Documented		
# Diadromous Species Downstream (incl eel)	1		

Resident Fish

Barrier is in EBTJV BKT Catchment	Yes
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)	35
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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	N/A
PA IBI Stream Health	Good

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