

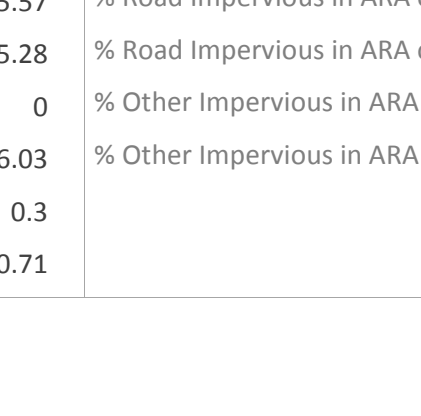
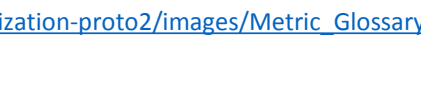


## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: <b>VA_890</b>		<b>SUPERIOR STONE CO.</b>	<b>RED HILL QUARRY</b>
Diadromous Tier	5		
Brook Trout Tier	N/A		
Resident Tier	2		
NID ID	VA00321		
State ID	890		
River Name			
Dam Height (ft)	49		
Dam Type	Earth		
Latitude	37.9686		
Longitude	-78.6016		
Passage Facilities	None Documented		
Passage Year	N/A		
Size Class	1a: Headwater (0 - 3.861 sq mi)		
HUC 12	North Fork Hardware River		
HUC 10	Hardware River		
HUC 8	Middle James-Buffalo		
HUC 6	James		
HUC 4	Lower Chesapeake		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.26	% Tree Cover in ARA of Upstream Network	71.06
% Natural Cover in Upstream Drainage Area	96.2	% Tree Cover in ARA of Downstream Network	79.1
% Forested in Upstream Drainage Area	89.17	% Herbaceous Cover in ARA of Upstream Network	0.24
% Agriculture in Upstream Drainage Area	0.72	% Herbaceous Cover in ARA of Downstream Network	15.73
% Natural Cover in ARA of Upstream Network	95.49	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	79.33	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	65.57	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	65.28	% Road Impervious in ARA of Downstream Network	0.6
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.89
% Agricultural Cover in ARA of Downstream Network	16.03	% Other Impervious in ARA of Downstream Network	0.78
% Impervious Surf in ARA of Upstream Network	0.3		
% Impervious Surf in ARA of Downstream Network	0.71		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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Network, System Type and Condition					
Functional Upstream Network (mi)	0.76	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	5431.78	# Downstream Natural Barriers	0		
Absolute Gain (mi)	0.76	# Downstream Hydropower Dams	2		
# Size Classes in Total Network	6	# Downstream Dams with Passage	4		
# Upstream Network Size Classes	1	# of Downstream Barriers	4		
NFHAP Cumulative Disturbance Index		Moderate			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		42.02			
% Conserved Land in 100m Buffer of Downstream Network		11.23			
Density of Crossings in Upstream Network Watershed (#/m2)		0			
Density of Crossings in Downstream Network Watershed (#/m2)		0.84			
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	Potential Current	Downstream Striped Bass	None Documented		
Downstream Blueback	Potential 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		Potential Curre			
# Diadromous Species Downstream (incl eel)		1			
Resident Fish		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	Yes	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)	50	VA INSTAR mIBI Stream Health	Moderate		
# Rare Fish (HUC8)	0	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	4				
# Rare Crayfish (HUC8)	0				

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