

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: <b>PA_21-017</b>		<b>CARLISLE RAW WATER INTAKE</b>	<b>CAVE HILL DAM</b>
Diadromous Tier	3		
Brook Trout Tier	N/A		
Resident Tier	5		
NID ID	PA00585		
State ID	21-017		
River Name	Conodoguinet Creek		
Dam Height (ft)	9		
Dam Type	Stone		
Latitude	40.2234		
Longitude	-77.1898		
Passage Facilities	Denil		
Passage Year	2001		
Size Class	3a: Medium Tributary River (200		
HUC 12	Wertz Run-Conodoguinet Creek		
HUC 10	Lower Conodoguinet Creek		
HUC 8	Lower Susquehanna-Swatara		
HUC 6	Lower Susquehanna		
HUC 4	Susquehanna		

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	2.62	% Tree Cover in ARA of Upstream Network	45.46
% Natural Cover in Upstream Drainage Area	38.69	% Tree Cover in ARA of Downstream Network	57.9
% Forested in Upstream Drainage Area	37.19	% Herbaceous Cover in ARA of Upstream Network	47.86
% Agriculture in Upstream Drainage Area	49.65	% Herbaceous Cover in ARA of Downstream Network	29.41
% Natural Cover in ARA of Upstream Network	41.63	% Barren Cover in ARA of Upstream Network	0.41
% Natural Cover in ARA of Downstream Network	63.5	% Barren Cover in ARA of Downstream Network	0.56
% Forest Cover in ARA of Upstream Network	29.92	% Road Impervious in ARA of Upstream Network	1.18
% Forest Cover in ARA of Downstream Network	52.34	% Road Impervious in ARA of Downstream Network	1.34
% Agricultural Cover in ARA of Upstream Network	46.69	% Other Impervious in ARA of Upstream Network	2.09
% Agricultural Cover in ARA of Downstream Network	23.41	% Other Impervious in ARA of Downstream Network	2.82
% Impervious Surf in ARA of Upstream Network	1.95		
% Impervious Surf in ARA of Downstream Network	2.58		

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)	65.08	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	4572.75	# Downstream Natural Barriers	0		
Absolute Gain (mi)	65.08	# Downstream Hydropower Dams	4		
# Size Classes in Total Network	6	# Downstream Dams with Passage	5		
# Upstream Network Size Classes	3	# of Downstream Barriers	5		
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		0.21			
% Conserved Land in 100m Buffer of Downstream Network		8.38			
Density of Crossings in Upstream Network Watershed (#/m2)		0.69			
Density of Crossings in Downstream Network Watershed (#/m2)		1.21			
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	Current	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)		2			
Resident Fish			Stream Health		
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	VERY_POOR		
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)	Yes	MD MBSS Combined IBI Stream Health	N/A		
Native Fish Species Richness (HUC8)	38	VA INSTAR mIBI Stream Health	N/A		
# Rare Fish (HUC8)	0	PA IBI Stream Health	Fair		
# Rare Mussel (HUC8)	2				
# Rare Crayfish (HUC8)	0				

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