

State Identified Priority Brook Trout Sub-watersheds – 12/6/17

State Identified Priority Brook Trout Sub-watersheds		
State	Sub-watershed	HUC12 Code
Maryland	Upper Savage River	020700020101
	Lower Savage River	020700020103
New York	Wylie Brook	020501011204
	Middle Butternut Creek	020501010802
	Upper Charlotte Creek	020501010403
Pennsylvania	Upper Kettle Creek	020502030102
	Young Womans Creek – West Branch Susquehanna River	020502030302
Virginia	Zeke Run – North Fork South Branch Potomac River	020700010107
	Briggs Run – South Branch Potomac River	020700010309
West Virginia	South Fork Tye River – North Fork Tye River	020802030501
	Gooney Run	020700051003
	South Branch – Naked Creek	020700050805

For the purposes of the CBP Brook Trout Management Strategy, Priority Level 1 sub-watersheds contain allopatric Brook Trout patches and have an EBTJV sub-watershed priority score ≥ 0.79 ; Priority Level 2 sub-watersheds have an EBTJV priority score < 0.79 , but have $\geq 60\%$ of their catchments with an HQI ≥ 0.50 . The HQI (Habitat Quality Index) was developed by Downstream Strategies as one of the outputs from its model that predicts the probability of Brook Trout presence in catchments located in the Chesapeake Bay watershed. The HQI represents the optimal potential condition of a catchment, which is defined as the maximum probability of Brook Trout presence under a zero-stress situation; essentially, the highest attainable condition in the catchment.

- New York doesn't have any Priority 1 sub-watersheds identified in the CBP's Brook Trout Management Strategy but does have thirty-three Priority Level 2 sub-watersheds listed in the Strategy. New York provided three examples of Priority Level 2 sub-watersheds.
- Virginia biologists could not identify any one particular sub-watershed on the list where significant increases in occupied habitat could realistically be achieved. Virginia biologists feel the best chances of success will come by "protecting highly functional wild brook trout only patches from detrimental changes in land use and water use practices" as highlighted by the CBP Brook Trout Outcome's conservation strategies. Virginia provided two examples of these sub-watersheds.

