



2006

Chesapeake Bay Brook Trout Management Plan



Photo by Matt Kline

Prepared by
Department of Natural Resources
Fisheries Service
Fisheries Management Division

Edited by Alan A. Heft

Contributors:
Chesapeake Bay DNR Fisheries Service:
Steve Early, Charlie Gougeon, Todd Heerd, Alan Heft,
John Knotts, H. Robert Lunsford, John Mullican, Ken Pavol,
John Rivers, Mark Staley, Mark Toms

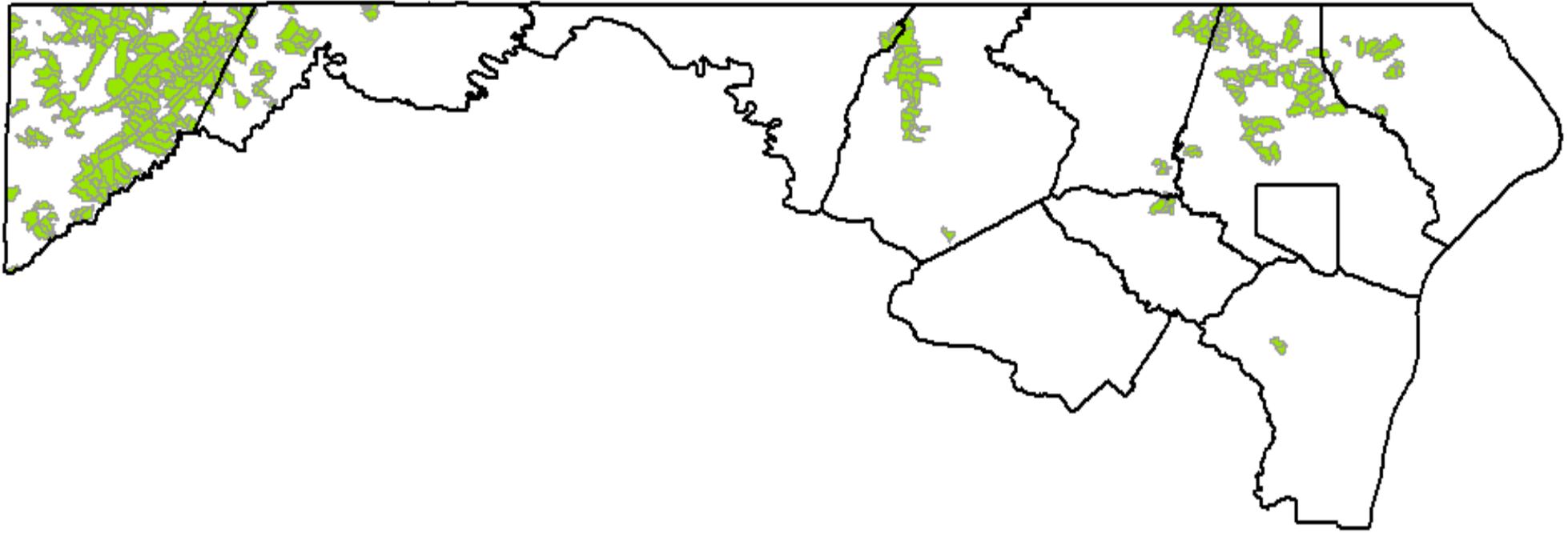
DNR Biological Stream Survey:
John Ryak, Ron Klauda, Scott Stranko

Why Are We Sampling

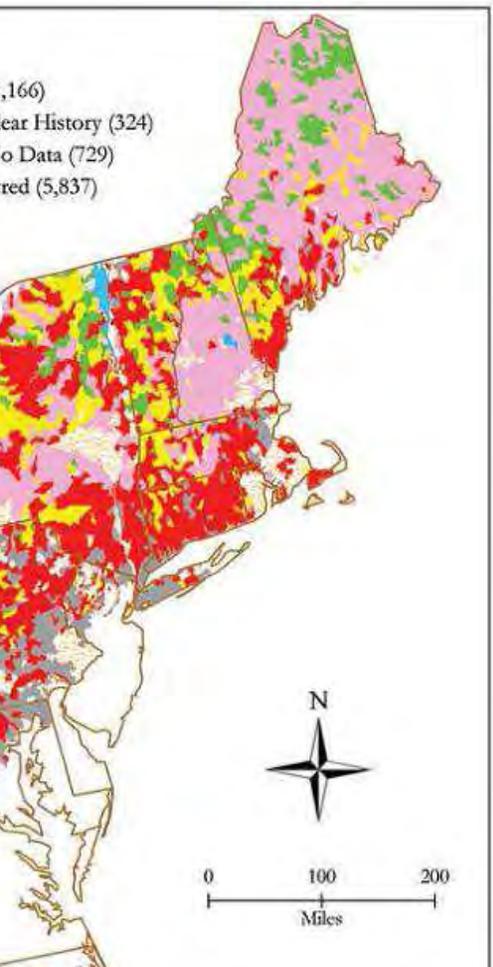
- In 2006, DNR Fisheries Service collaboratively with the University of Maryland to develop a Trout fishery management plan.
- This document summarizes historical and current management strategies for Brook Trout and identifies factors that impact distribution and health of populations, as well as provide management recommendations.

CCN species

Historical Distribution of Brook Trout in Maryland



The FMP also identified all of the known brook trout populations at that time and provided a framework to ensure each population is sampled *at least once*



Maryland BROOK TROUT

Through work done with EBT
well as the development of t
database within DNR Fisheri
found that the list of stream
brook trout may not have be

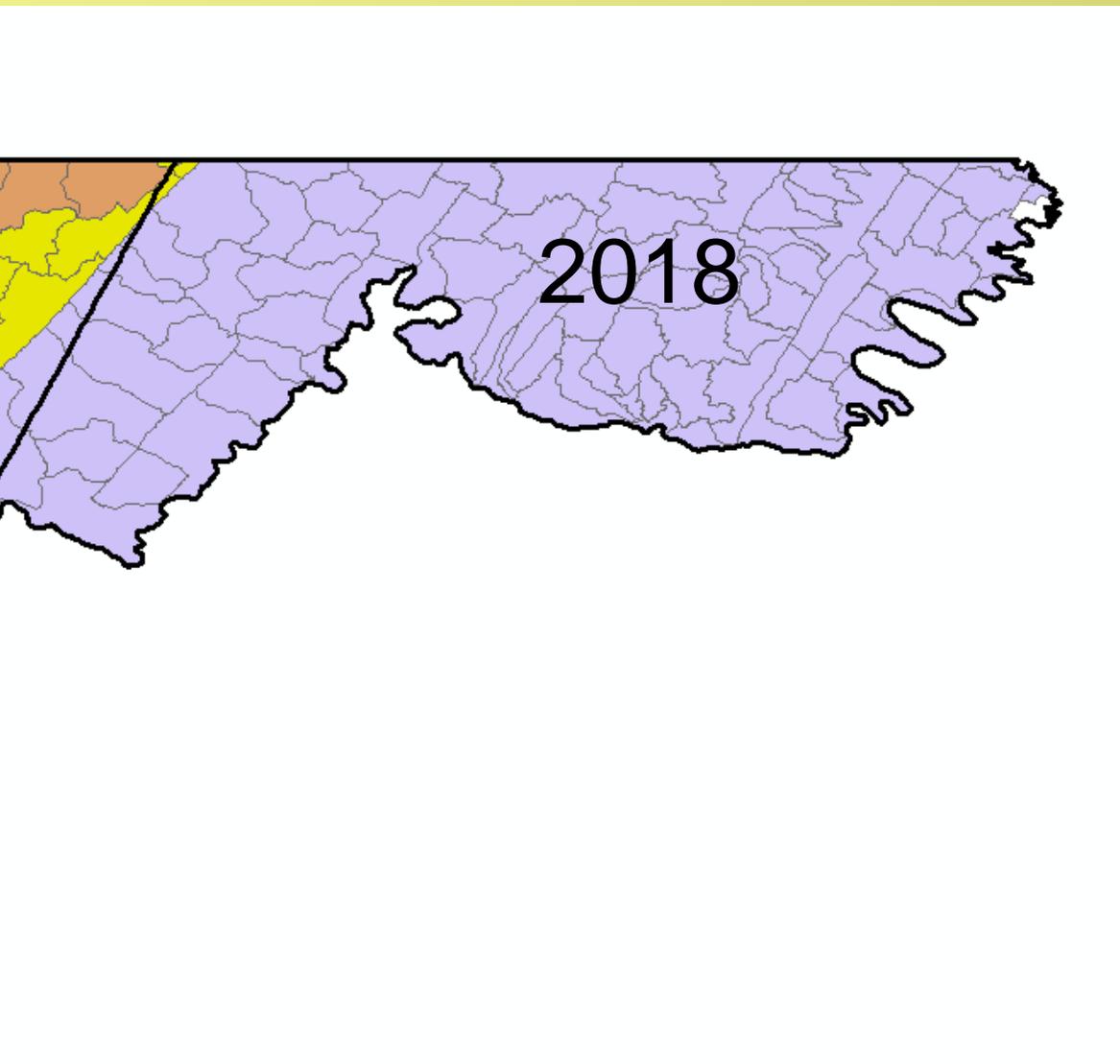




Updating the FMP List of States

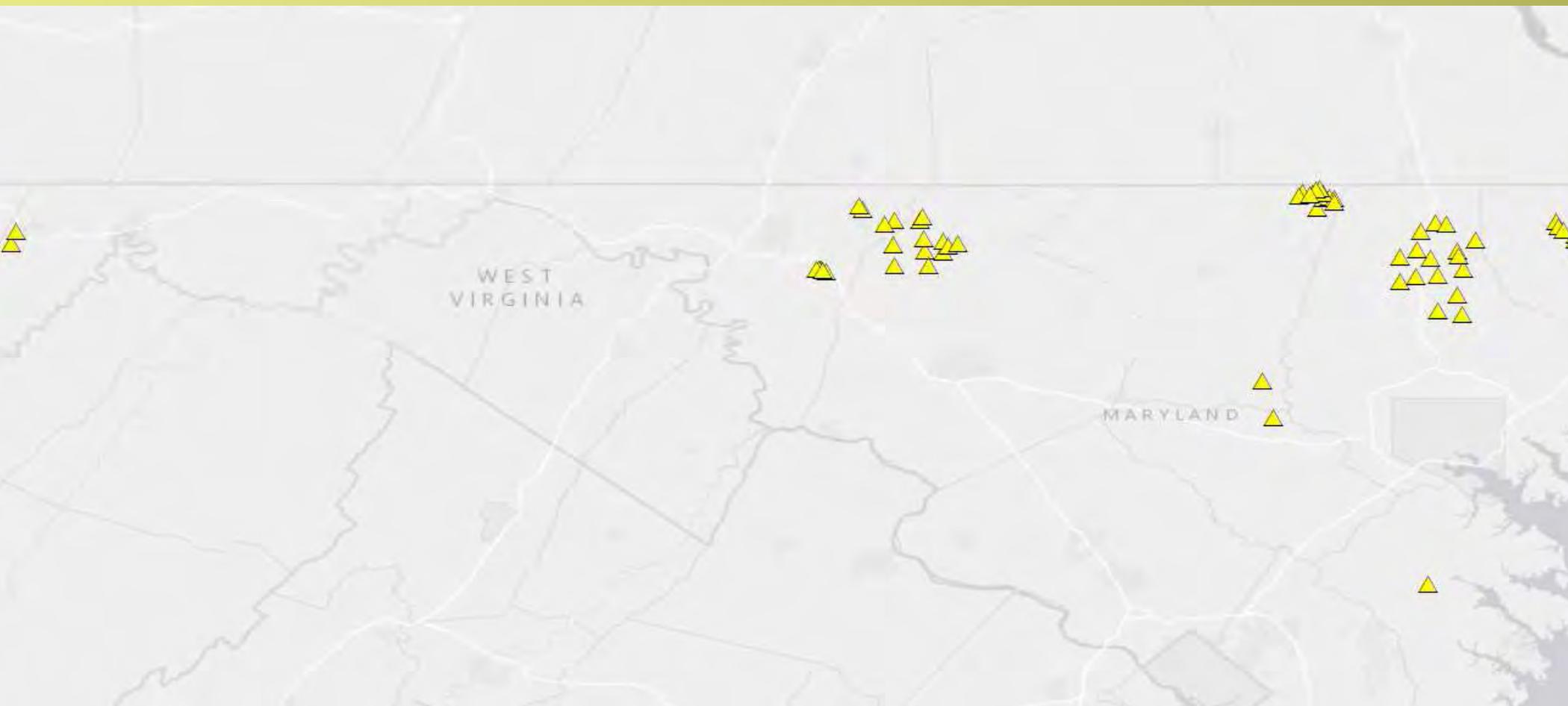
- Began by determining historical distributions across Maryland using sampling records going back to the 1950s
- Combined work from DNR, Fish and Wildlife Service, University of Maryland, and other sources to get a better picture of where they “were”
- Intent is to know actual distribution of brook trout in Maryland by the end of the 5-year period

Brook Trout Annual Schedules



- Each management zone is broken down into 'zones' based on density of brook trout population and geographic position
- All historical brook trout streams within each zone are to be sampled with the assigned schedule

of 125 streams being sampled in 2016 for trout or water
Washington and Frederick Counties, 62 in Garrett and
es (24 in the Savage River Watershed), and 43 in central
r Gunpowder Project





What We Do...

Quantitative Sampling

- General estimate of abundance (using a 3-pass depletion method (1958))

Qualitative Sampling

- Basic presence/absence and CPUE

