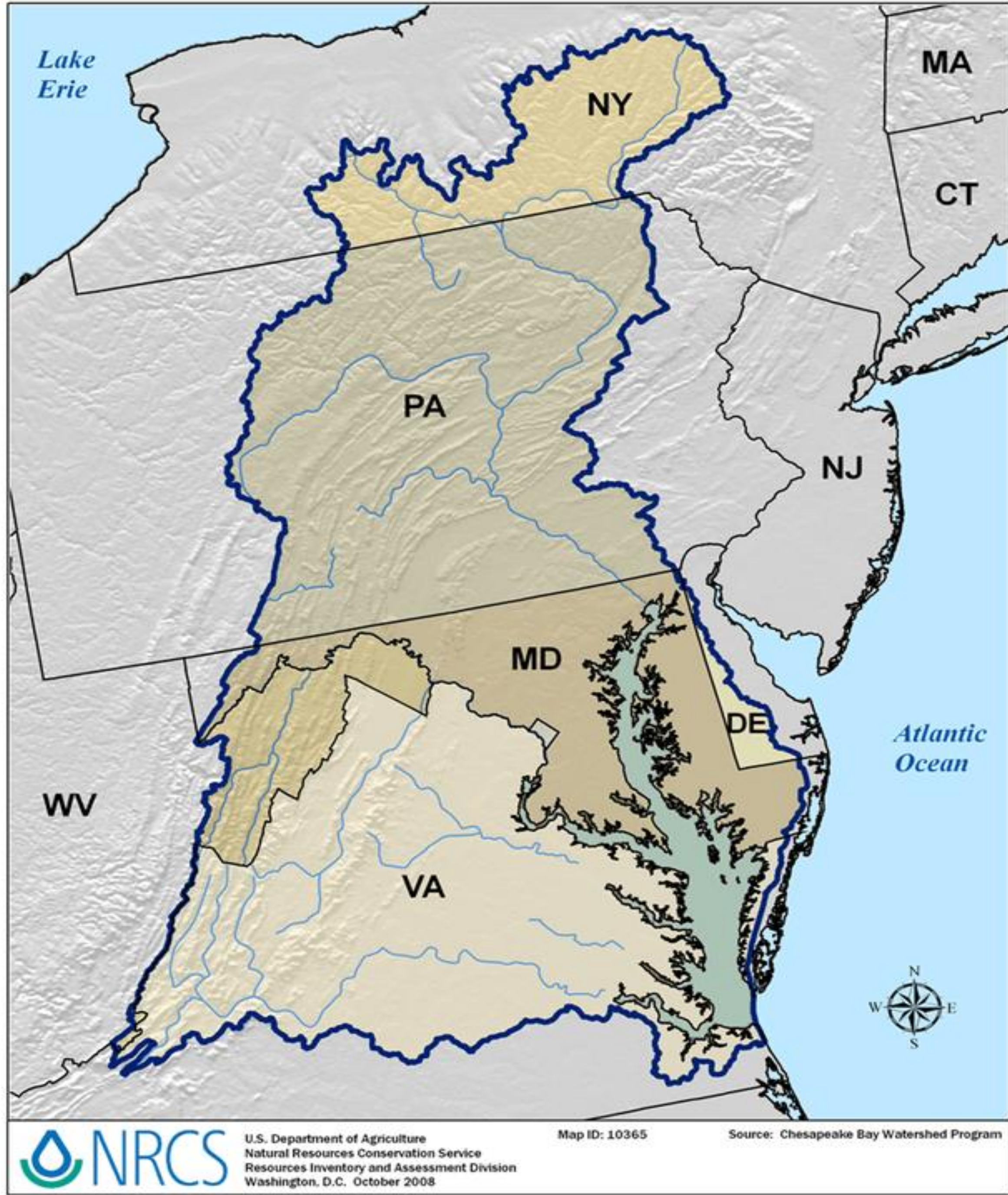




The Chesapeake Bay Watershed is home to the roughly two dozen native freshwater mussel species listed below. As is the case for freshwater mussels world-wide, most of the Bay Watershed region’s native mussel populations are declining and therefore vulnerable to local or regional extinction. Furthermore, four Bay region mussels are listed as federally Endangered or Threatened Species.

Species	Common Name
<i>Alasmidonta varicosa</i>	Brook Floater
<i>Alasmidonta marginata</i>	Elktoe
<i>Alasmidonta undulata</i>	Triangle Floater (NA)
<i>Anodontoides ferussacianus</i>	Cylindrical Papershell (NA)
<i>Atlanticoncha ochracea</i>	Tidewater Mucket
<i>Cambarunio iris</i>	Rainbow (NA)
<i>Elliptio lanceolata</i>	Yellow Lance USA
<i>Elliptio producta</i>	Atlantic Spike
<i>Elliptio angustata</i>	Carolina Lance
<i>Elliptio fisheriana</i>	Northern Lance
<i>Elliptio complanata</i>	Eastern Elliptio
<i>Fusconaia masoni</i>	Atlantic Pigtoe USA
<i>Lampsilis cariosa</i>	Yellow Lampmussel
<i>Lampsilis cardium</i>	Plain Pocketbook (NA)
<i>Lampsilis radiata</i>	Eastern Lampmussel
<i>Parvaspina collina</i>	James Spiny mussel USA
<i>Platynaiassubviridis</i>	Green Floater
<i>Prolasmidontaheterodon</i>	Dwarf Wedgemussel USA
<i>Pyganodon cataracta</i>	Eastern Floater
<i>Sagittunio nasutus</i>	Eastern Pondmussel
<i>Strophitus undulatus</i>	Creeper (NA)
<i>Toxolasmaparvum</i>	Lilliput (NA)
<i>Utterbackia imbecillis</i>	Paper Pondshell (NA)
<i>Utterbackiana implicata</i>	Alewife Floater *

USA

Federal Endangered Species

USA

Federal Threatened Species

Secure/stable in Bay Region

Vulnerable or At-risk Species by at least one Bay Region jurisdiction

(NA)

Information to determine status Not Available

* Secure only where river herring runs remain intact

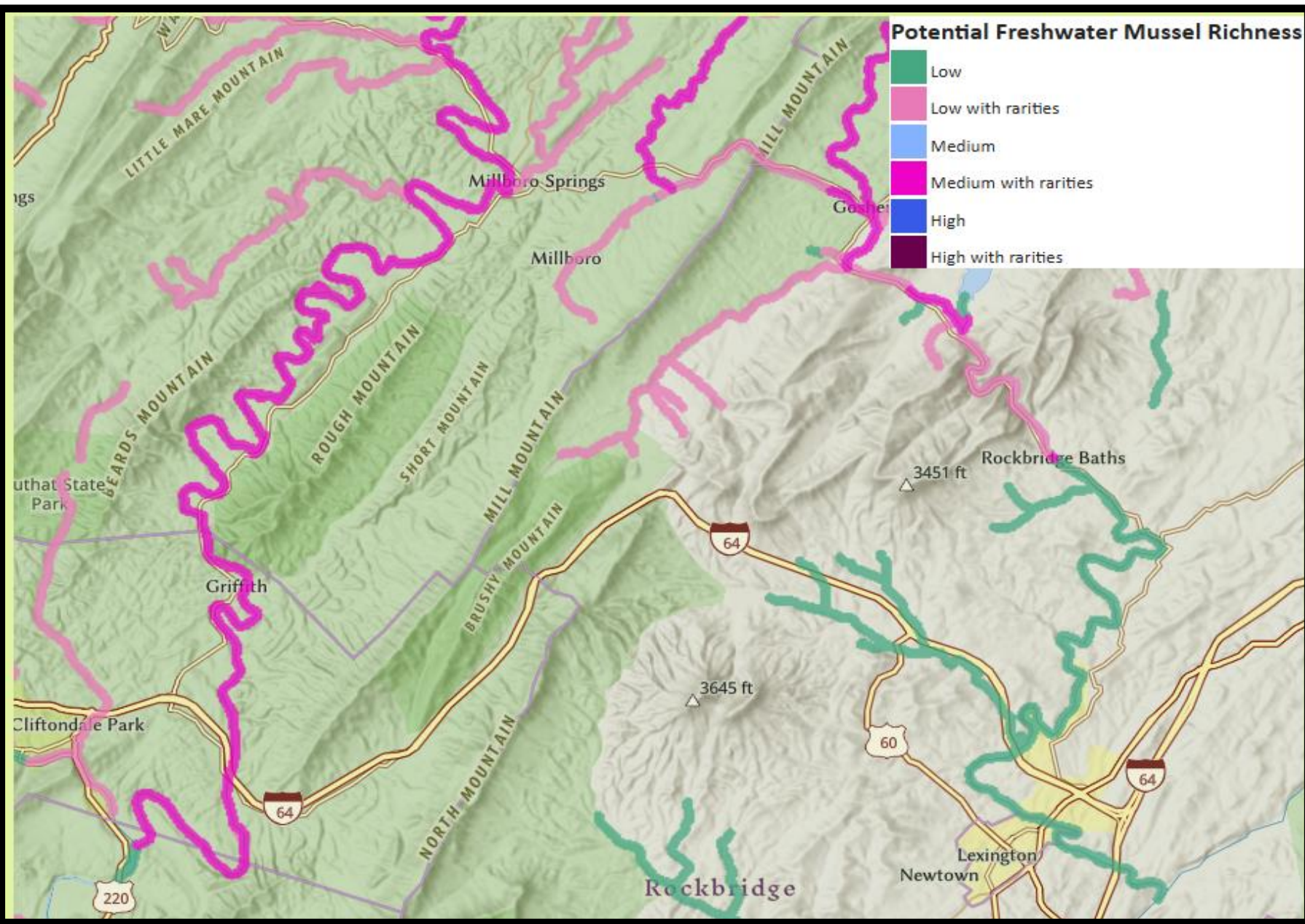
Chesapeake Bay Watershed Freshwater Mussel Partnership



Projects to remediate water quality, restore riverine habitat, foster aquatic life movement, and re-naturalize riparian corridors.



Propagated stock to restore, augment, & reintroduce mussels into suitable habitat.



Develop suitable habitat conditions models and maps.

Examples of Some Key Conservation Plan Recommendations



Silo study and similar captive approaches to evaluate survival & growth for *in-situ* conditions.



Surveys to assess occurrence, density, health, size, age, and habitat condition.



Get Involved

Do you have ongoing or recent efforts relating to Freshwater Mussels? Are you performing Mussel Surveys? ... Involved with Mussel Propagation? ... Measuring Mussel metabolic activity rates? ... Researching Mussel ecosystem services? ... Uncovering secrets about Mussel reproduction, genetic diversity, or hosts? ... Studying effects of Mussel reintroduction? ... Capturing Mussels in photographs or video? ... Teaching others about Mussels?

We would love to hear from you about your efforts and interests to protect, enhance, and restore Mussels!

Steering Committee Members

- Delaware Department of Natural Resources and Environmental Control
- Maryland Department of Natural Resources
- New York State Department of Environmental Conservation
- Pennsylvania Department of Environmental Protection
- Pennsylvania Fish and Boat Commission
- Chesapeake Bay Foundation
- Virginia Department of Wildlife Resources
- West Virginia Division of Wildlife Resources
- Philadelphia Water Department
- Susquehanna River Basin Commission (Coordinators)



More Information

For more information, please visit the Freshwater Mussel Partnership’s website • <https://www.srbcb.gov/our-work/what-we-do/chesapeake-bay-freshwater-mussel-partnership.html>

Or contact one of the Coordinators •
Jamie Shallenberger jshallenberger@srbcb.gov
Tyler Shenk tshenk@srbcb.gov
Ellyn Campbell ecampbell@srbcb.gov

Chesapeake Bay Watershed Agreement | 2025

“The Chesapeake Bay watershed is one of the most extraordinary places in the United States of America, spanning six states and the District of Columbia. As the nation’s largest and one of the most productive estuaries in the world, the Chesapeake Bay and its vast network of more than 200,000 miles of streams, creeks and rivers hold tremendous ecological, cultural, economic, historic and recreational value for the more than 18 million people who live, work, learn and play in the region.” Preamble to the Chesapeake Bay Watershed Agreement, 2025.

For the first time since the Chesapeake Bay Program partnership was formed in 1983, freshwater mussels were formally identified as a Target in the Watershed Agreement in 2025. Of significance, “Targets” are defined, time-bound, measurable milestones that signify ecosystem health & recovery.

The freshwater mussel target is a priority conservation metric for the Chesapeake Bay Program’s Thriving Habitats, Fisheries, and Wildlife Goal Team. The target statement reads:

“Develop comprehensive freshwater mussel conservation plans for 10 or more tributaries and implement key recommendations for at least 5 such plans by 2040.”