

Delaware River Watershed Initiative

2014 Progress Report

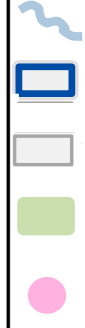
Depicts locations for the Academy of Natural Sciences' monitoring sites and first round awards for the Open Space Institute protection re-grant fund and the National Fish and Wildlife Foundation restoration re-grant fund. Monitoring sites reflect both project-specific locations as well as locations used to characterize the sub-watershed clusters more generally. The locations of both restoration and protection projects reflect the priority areas identified in the implementation plans and expert analysis of water quality impacts.

Delaware River
Delaware River Watershed Boundary
Target Sub-Watershed Cluster Boundaries
Existing Protected Lands

Protection Project Awards
 The Open Space Institute received 16 applications totaling \$5.8MM. In partnership with Penn State University, OSI developed sophisticated decision-support criteria for prioritizing watershed ground- and surface-water resources, ultimately approving 9 projects worth \$2.0MM. These projects will protect 7,267 acres of forest lands essential to clean and sufficient water in four target sub-watersheds and leverage \$17.9MM in additional funds.

Restoration Project Awards
 For the first round of restoration funding, NFWF received 30 applications totaling over \$6MM. After an expert review and selection process, NFWF awarded \$2.4MM to 14 organizations for work in 19 priority locations where restoration can significantly advance the water quality goals of six target sub-watersheds. These awards will leverage \$5.4MM in additional funds























Project-Specific and General Monitoring Sites
Long-Term Integrative Monitoring Sites
 The Academy of Natural Sciences currently maintains or collects data from over 300 stream monitoring and water quality sampling sites. These include project specific monitoring, distributed sites generalizing cluster conditions; and long-term monitoring sites that the Academy established to integrate conditions from across a sub-watershed, establish baselines and track progress over a decadal time period.



Delaware River Watershed Initiative

2014 Progress Report

Depicts locations for the Academy of Natural Sciences' monitoring sites and first round awards for the Open Space Institute protection re-grant fund and the National Fish and Wildlife Foundation restoration re-grant fund. Monitoring sites reflect both project-specific locations as well as locations used to characterize the sub-watershed clusters more generally. The locations of both restoration and protection projects reflect the priority areas identified in the implementation plans and expert analysis of water quality impacts.

-  Delaware River
-  Delaware River Watershed
-  Counties
-  Long-Term Integrative Monitoring Sites
-  Project-Specific & General Monitoring Sites
-  Priority Areas
-  Restoration Project Awards
-  Protection Project Awards (acres)
-  12 - 111
-  112 - 548
-  549 - 810
-  811 - 1588
-  1589 - 2449
-  Targeted Sub-Watershed Clusters
-  Poconos and Kittatinny
-  Upper Lehigh
-  New Jersey Highlands
-  Middle Schuylkill
-  Schuylkill Highlands
-  Upstream Suburban Philadelphia
-  Brandywine and Christina
-  Kirkwood Cohansey Aquifer

Restoration Project Awards

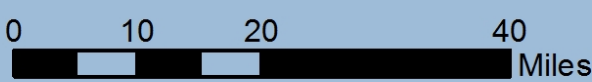
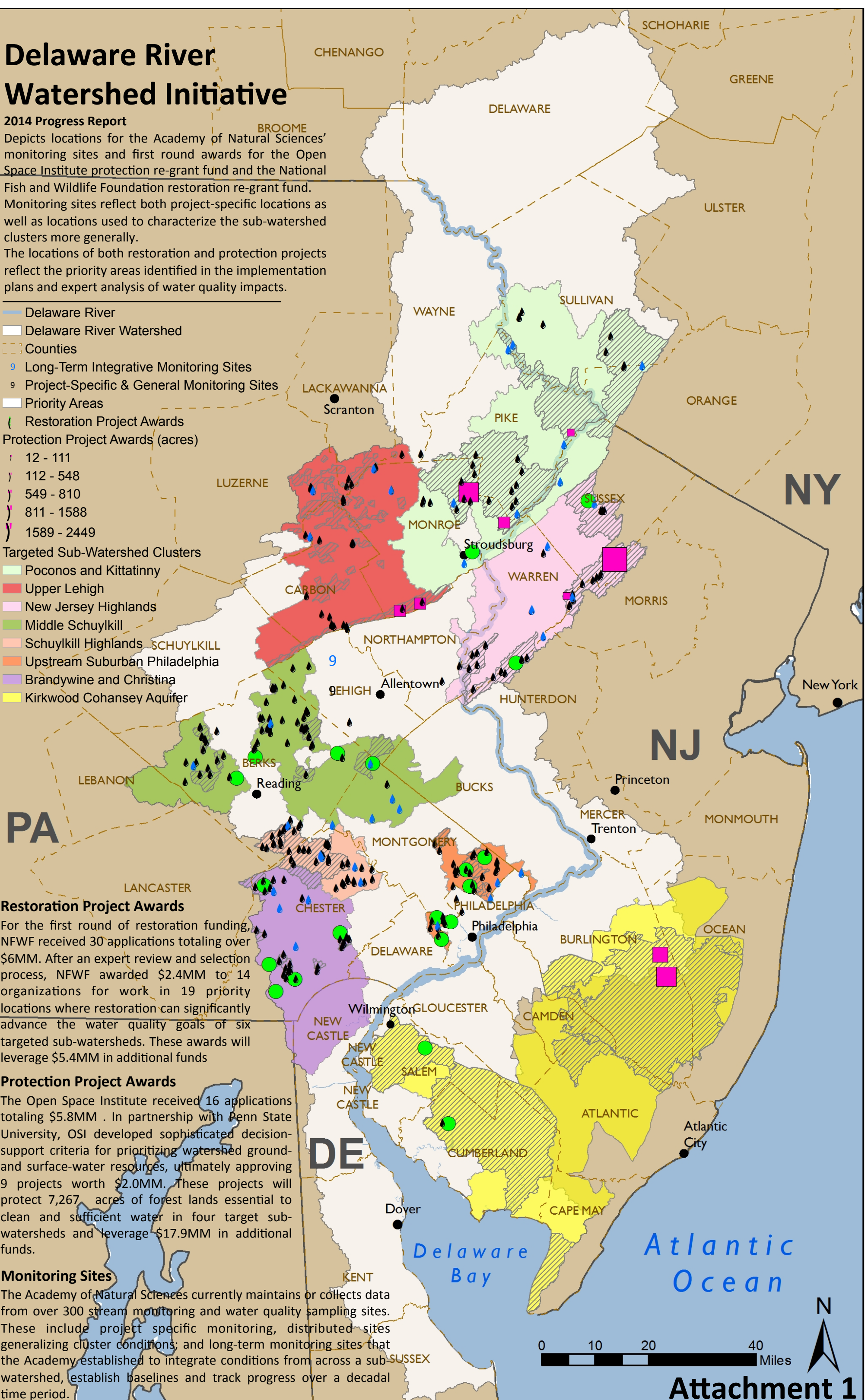
For the first round of restoration funding, NFWF received 30 applications totaling over \$6MM. After an expert review and selection process, NFWF awarded \$2.4MM to 14 organizations for work in 19 priority locations where restoration can significantly advance the water quality goals of six targeted sub-watersheds. These awards will leverage \$5.4MM in additional funds

Protection Project Awards

The Open Space Institute received 16 applications totaling \$5.8MM. In partnership with Penn State University, OSI developed sophisticated decision-support criteria for prioritizing watershed ground- and surface-water resources, ultimately approving 9 projects worth \$2.0MM. These projects will protect 7,267 acres of forest lands essential to clean and sufficient water in four target sub-watersheds and leverage \$17.9MM in additional funds.

Monitoring Sites























The Academy of Natural Sciences currently maintains or collects data from over 300 stream monitoring and water quality sampling sites. These include project specific monitoring, distributed sites generalizing cluster conditions; and long-term monitoring sites that the Academy established to integrate conditions from across a sub-watershed, establish baselines and track progress over a decadal time period.



Delaware River Watershed Initiative

2014 Progress Report

Depicts locations for the Academy of Natural Sciences' monitoring sites and first round awards for the Open Space Institute protection re-grant fund and the National Fish and Wildlife Foundation restoration re-grant fund. Monitoring sites reflect both project-specific locations as well as locations used to characterize the sub-watershed clusters more generally. The locations of both restoration and protection projects reflect the priority areas identified in the implementation plans and expert analysis of water quality impacts.

-  Delaware River
-  Delaware River Watershed
-  Counties
-  Long-Term Integrative Monitoring Sites
-  Project-Specific & General Monitoring Sites
-  Priority Areas
-  Restoration Project Awards
-  Protection Project Awards (acres)
-  12 - 111
-  112 - 548
-  549 - 810
-  811 - 1588
-  1589 - 2449
-  Targeted Sub-Watershed Clusters
-  Poconos and Kittatinny
-  Upper Lehigh
-  New Jersey Highlands
-  Middle Schuylkill
-  Schuylkill Highlands
-  Upstream Suburban Philadelphia
-  Brandywine and Christina
-  Kirkwood Cohansey Aquifer

Restoration Project Awards

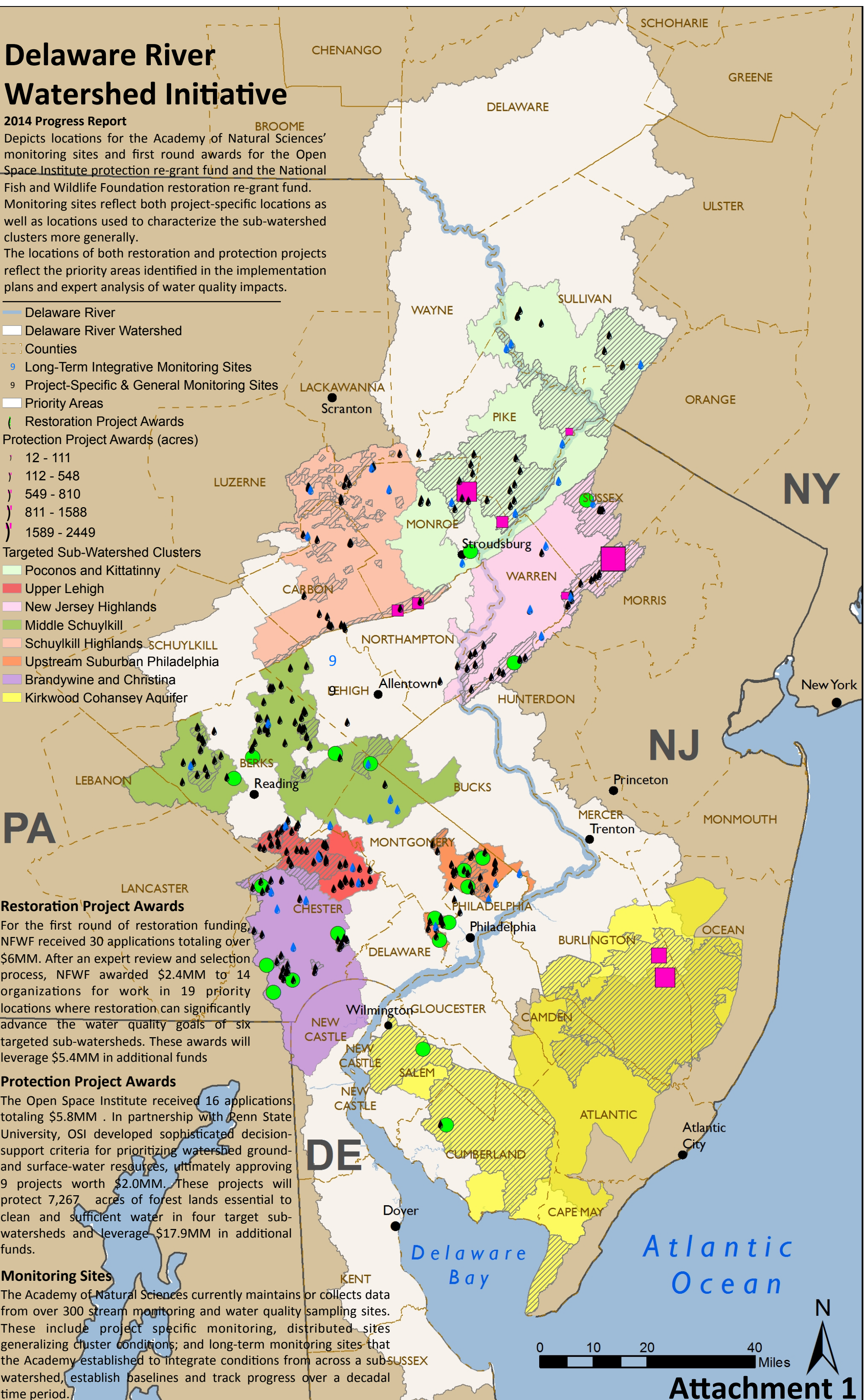
For the first round of restoration funding, NFWF received 30 applications totaling over \$6MM. After an expert review and selection process, NFWF awarded \$2.4MM to 14 organizations for work in 19 priority locations where restoration can significantly advance the water quality goals of six targeted sub-watersheds. These awards will leverage \$5.4MM in additional funds

Protection Project Awards

The Open Space Institute received 16 applications totaling \$5.8MM. In partnership with Penn State University, OSI developed sophisticated decision-support criteria for prioritizing watershed ground- and surface-water resources, ultimately approving 9 projects worth \$2.0MM. These projects will protect 7,267 acres of forest lands essential to clean and sufficient water in four target sub-watersheds and leverage \$17.9MM in additional funds.

Monitoring Sites






















The Academy of Natural Sciences currently maintains or collects data from over 300 stream monitoring and water quality sampling sites. These include project specific monitoring, distributed sites generalizing cluster conditions; and long-term monitoring sites that the Academy established to integrate conditions from across a sub-watershed, establish baselines and track progress over a decadal time period.



9

9

(
.)

-  Delaware River
-  Delaware River Watershed
-  Counties
-  Long-Term Integrative Monitoring
-  Project-Specific & General Monitoring
-  Priority Areas
-  Restoration Project Awards
-  Protection Project Awards (acres)
-  12 - 111
-  112 - 548
-  549 - 810
-  811 - 1588
-  1589 - 2449
- Targeted Sub-Watershed Clusters
-  Poconos and Kittatinny
-  Upper Lehigh
-  New Jersey Highlands
-  Middle Schuylkill
-  Schuylkill Highlands
-  Upstream Suburban Philadelphia
-  Brandywine and Christina
-  Kirkwood Cohansey Aquifer