

# Water Quality Threats, Solutions, and Opportunities for the Great Waters NJ Region

| Watershed                  | Threats                           |   |                                 |                           |                             |                              |          |   |   | Solutions  |   |  |                                       |  |                                 |   |   |   | Opportunities                  |   |
|----------------------------|-----------------------------------|---|---------------------------------|---------------------------|-----------------------------|------------------------------|----------|---|---|--|---|--|---------------------------------------|--|---------------------------------|---|---|---|--------------------------------|---|
|                            | Loss of Headwaters to Development | Non-point Sources – Bacteria (Impacting Recreational Usage) | Non-point Sources - Agriculture | Non-point Sources - Urban | New Point Source Discharges | Stormwater – New Development | Flooding | High Temperature – Impacts to Trout and Aquatic Habitat | Sensitive Carbonate Rock Aquifer Impacting Drinking Water and Water Temperature | Increase Tree Canopy – Volunteers support tree plantings | Improved State Headwaters Safeguards protect headwaters | Agricultural Best Management Practices | Improved Local Waste Water Management | Water Quality Restoration Funding & Projects | Land Preservation in Headwaters | Improved local/regional land use planning | Increased State Surface Water Quality Protections | Improved State Protections of National Wild & Scenic Rivers | Miles Stream Upgrades C2 to C1 | Miles Stream Upgrades to ONRW, for Wild & Scenic Rivers & waters only in public lands |
| Delaware River Tributaries | X                                 |   | X                               | X                         | X                           | X                            | X        | X   | X   | X  | X   | X                                      |                                       | X  | X                               | X   | X   | X   | 14.5                           | 54  |
| Flat Brook                 |                                   | X   |                                 | X                         |                             |                              |          | X   | X   | X  |   | X                                      | X                                     |  | X                               | X   |   |   | 22                             | 72  |
| Lopatcong                  |                                   | X   | X                               | X                         |                             | X                            |          |   | X   |  | X   | X                                      | X                                     |  |                                 | X   |   |   | .2                             | .2  |
| Musconetcong               | X                                 | X   | X                               | X                         | X                           | X                            |          | X   | X   | X  | X   | X                                      | X                                     | X  | X                               | X   | X   | X   | 89                             | 105   |
| Paulins Kill               | X                                 | X   | X                               | X                         |                             | X                            |          | X   | X   | X  | X   | X                                      | X                                     | X  | X                               | X   | X   |   | 63                             | 74  |
| Pequest                    |                                   | X   | X                               | X                         |                             |                              |          | X   |   |  | X   | X                                      | X                                     |  | X                               | X   |   |   | 41                             | 58  |
| Pohatcong                  |                                   | X   | X                               |                           |                             |                              |          | X   | X   | X  | X   | X                                      | X                                     |  | X                               |   |   |   | 0                              | 2   |

Sources:

[Integrated Water Quality Assessment, Upper Delaware Region, NJDEP, 2019](#)

[Impaired Waters List, US EPA / NJDEP, 2016](#)

[Total Maximum Daily Load Action Plans, NJDEP](#)

[Total Maximum Daily Loads for Fecal Coliform to Address 23 Streams in the Northwest, NJDEP, 2003](#)

[Total Maximum Daily Loads for Phosphorous to Address 4 Eutrophics Lakes in the Northwest, NJDEP, 2003](#)

[Total Maximum Daily Loads for Fecal Coliform to Address 10 Streams in the Northwest, NJDEP, 2005](#)

[Total Maximum Daily Loads for Pathogens to Address 11 Lakes in the Northwest, NJDEP, 2007](#)

[Total Maximum Daily Loads for Phosphorous to Address 4 Impaired Assessment Units in the Pequest Watershed, NJDEP, 2007](#)

Delaware River Watershed Initiative Highlands Cluster Action Plan

GIS Analysis of Open Source Data from NJ Office of Geographic Information Services