

# New Jersey

## NOAA Works to Improve New Jersey's Coastal and Marine Areas

**National Oceanic and Atmospheric Administration (NOAA) acts for the Secretary of Commerce as a federal trustee** under the Superfund Act to protect and restore natural resources in coastal and marine areas. NOAA trust resources in New Jersey include Atlantic sturgeon, alewife, American shad, striped bass, American lobster, eastern oyster, blue crab, and dozens of other species and their supporting habitats (e.g., tidal wetlands). Of special concern are federally threatened and endangered shortnose sturgeon, whales, and sea turtles. NOAA's stewardship also safeguards our nation's waterways and coastal activities, ranging from safe navigation and marine transportation to recreational activities along navigable waters.

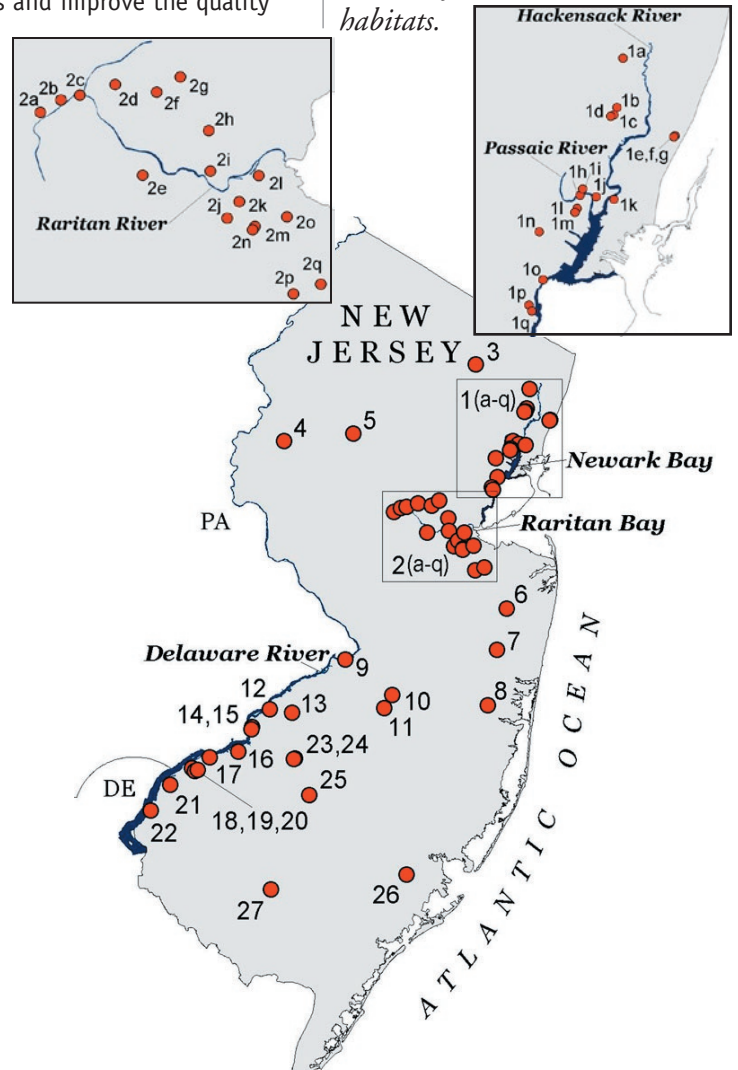
## Cleaning up and Restoring Sites in New Jersey

**The Office of Response and Restoration's Coastal Protection and Restoration Division (OR&R/CPRD) partners with other agencies and responsible parties** to ensure that waste site cleanups not only reduce risk but also restore natural resources and improve the quality of the environment. NOAA Coastal Resource Coordinators (CRCs) get involved early in site cleanups to:

- ensure that ecological assessments and the entire cleanup process evaluate and mitigate any risk to sensitive species and habitats;
- incorporate environmental restoration into cleanup actions;

## Protecting and Restoring Coastal and Marine Resources

NOAA's Coastal Protection and Restoration Division (CPRD) protects and restores natural resources in marine and coastal environments that are affected by hazardous waste sites. NOAA Coastal Resource Coordinators (CRCs) work with the U.S. Environmental Protection Agency (EPA), the State of New Jersey, and other trustee agencies to identify risks to natural resources, recommend site cleanups that protect habitat and wildlife, and design projects to restore injured resources and habitats.



### Waste Sites

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| 1a. Maywood Chemical Co                        | 2p. Burnt Fly Bog                                    |
| 1b. Ventron/Velsicol                           | 2q. Imperial Oil Co., Inc./Champion Chemical         |
| 1c. Scientific Chemical Processing             | 3. W.R. Grace/Wayne Interim Storage (USDOE)          |
| 1d. Universal Oil Products (Chemical Division) | 4. Pohatcong Valley Groundwater Contamination        |
| 1e. Quanta Resources                           | 5. Combe Landfill South                              |
| 1f. Allied Corp                                | 6. Naval Weapons Station Earle (Site A)              |
| 1g. Lustrelon Inc.                             | 7. Zschiegner Refining Company                       |
| 1h. Diamond Alkali Co.                         | 8. Ciba-Geigy Corp.                                  |
| 1i. Diamond Head Oil Refinery Div.             | 9. Roebbling Steel Co.                               |
| 1j. Syncon Resins                              | 10. McGuire Air Force Base                           |
| 1k. PJP Landfill                               | 11. Fort Dix (Landfill Site)                         |
| 1l. Troy Chemical                              | 12. Puchack Well Field                               |
| 1m. Albert Steel Drum                          | 13. Pulverizing Services                             |
| 1n. White Chemical Corp.                       | 14. Martin Aaron, Inc.                               |
| 1o. Chemical Control                           | 15. Welsbach & General Gas Mantle (Camden Radiation) |
| 1p. ISP Environmental Services, Inc.           | 16. Matteo Brothers                                  |
| 1q. LCP Chemicals, Inc.                        | 17. Hercules, Inc. (Gibbstown Plant)                 |
| 2a. Federal Creosote                           | 18. Safety-Kleen (Rollins Environmental)             |
| 2b. American Cyanamid Co.                      | 19. Chemical Leaman Tank Lines, Inc                  |
| 2c. Brook Industrial Park                      | 20. Bridgeport Rental & Oil Services                 |
| 2d. Middlesex Sampling Plant (DOE)             | 21. NL Industries                                    |
| 2e. Rhone-Poulenc Chemical Co                  | 22. E.I. Du Pont de Nemours                          |
| 2f. Chemsol, Inc                               | 23. Route 561 Dump                                   |
| 2g. Cornell Dubilier Electronics, Inc.         | 24. United States Avenue Burn                        |
| 2h. Raritan Arsenal                            | 25. Lightman Drum Company                            |
| 2i. Kin-Buc Landfill                           | 26. Emmell's Septic Landfill                         |
| 2j. Sayreville Landfill                        | 27. Iceland Coin Laundry and Dry Cleaning            |
| 2k. Atlantic Development 11                    |  |
| 2l. Horseshoe Road                             |  |
| 2m. Evor Phillips Leasing                      |  |
| 2n. CPS/Madison Industries                     |  |
| 2o. Global Sanitary Landfill                   |  |

- monitor the successful recovery of trust resources and habitats; and
- reduce the need for expensive re-evaluations.

Because CRCs help make site-cleanup and restoration decisions in coastal regions, everyone saves time and money by avoiding litigation and duplication of effort. Responsible parties benefit from an early resolution of liability for damage to natural resources. Best of all, we can address environmental threats sooner, increasing the chances for effective protection, recovery, and restoration of coastal and marine resources and their habitats.

## Areas of Special Concern in New Jersey

The **Newark Bay Complex (Passaic River, Hackensack River, Newark Bay, Arthur Kill, Kill Van Kull)** is of special concern because of the number of people affected, the degree and type of contaminants involved, and the importance of the aquatic system for natural resources. Oil refineries, chemical plants, military facilities, and other industrial and municipal activities have contaminated the water, sediment, and animals in the watershed. Due to contamination, several different health advisories are in effect for consumption of fish, shellfish, and crab throughout the Newark Bay Complex.

The NOAA CPRD program has developed a watershed mapping program and database for the Newark Bay Complex. This unique tool compiles and visually displays Newark Bay watershed data from many sources, such as the locations of hazardous waste sites and combined sewer overflows; concentrations of contaminants in water, sediment, and soil; and toxicity values. This comprehensive source of information gives resource managers a valuable tool for making effective decisions about site cleanups and restoration options.

The Diamond Alkali Superfund site is a former pesticide-manufacturing facility located on the **Passaic River**. NOAA works with EPA, the U.S. Department of Interior, and the New Jersey Department of Environmental Protection (NJDEP) to document the extent and degree of site-related contamination, evaluate the ecological risks, and work toward a cleanup remedy that protects both human health and natural resources.

Several health advisories are in effect on the **Delaware River** due to contamination. NOAA, together with other federal and state co-trustees, will begin restoring fish habitat near

the Delaware River to compensate for past injuries to natural resources at the Chemical Leaman Tank Lines Superfund site. The CRCs continue to work with EPA and the responsible party to ensure that the site cleanup is effective and to monitor recovery to determine whether the cleanup was successful. NOAA's CRCs will provide technical assistance to the City of Trenton Brownfields Showcase Community in their efforts to restore the natural floodplain of **Assumpink Creek**, a tributary to the Delaware River. Today, the creek flows through underused, abandoned, and contaminated industrial sites. Restoration of a greenway along the creek will help control flooding problems, provide a natural buffer, increase fish habitat, and provide recreational opportunities for the community.

Due to contamination, several health advisories are in effect for tidal portions of the **Raritan River** and its tributaries. The NOAA CRC program provides technical support at several hazardous waste sites in this area. Wetland restoration efforts continue at the Kin-Buc Landfill Superfund site. NOAA's CRCs evaluated contamination in the marshes along Cheesequake Creek at the Global Sanitary Landfill site, and worked with NJDEP to design a program to assess contaminant bioavailability. Together, the CRCs and NJDEP developed a cleanup and monitoring program to reduce contamination in the marshes and creek. Once the monitoring program begins, NOAA will continue to work with NJDEP to evaluate the monitoring data to ensure the effectiveness of the cleanup remedy and success of the creek and marsh restoration.

For information about NOAA's Coastal Protection and Restoration Division in **New Jersey** please contact:

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*Our goal: healthy, productive coastal ecosystems, fisheries, and marine mammals in New Jersey and the U.S.*

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