

# Legend

## Fish IBI

A Fish Index of Biotic Integrity Monitoring (FIBI) is an index that measures the health of a stream based on multiple attributes of the resident fish assemblage.

## Aquatic Life Data Collected

## Metal Data Collected

This data represents the monitoring stations in coastal waters where sampling data was collected for dissolved oxygen & metals for the 2004 Integrated Report. The sampling locations include the NJDEP Marine Water Monitoring Network and the EPA New Jersey Helicopter Coastal Monitoring. New Jersey's Bureau of Marine Water Monitoring monitors these locations a minimum of four times a year. EPA monitors during the swimming season only.

## Ambient Stream Quality Monitoring

This data represents ambient stream sites monitored cooperatively by the New Jersey Department of Environmental Protection (NJDEP) and the US Geological Survey (USGS) for water quality parameters.

## AMNET Biomonitoring

This data represents point sites sampled by NJDEP as part of its Ambient Biomonitoring Network (AMNET). Sites are sampled in every sub-watershed, statewide, where the health of in-stream benthic macroinvertebrate communities are evaluated using the US Environmental Protection Agency's (USEPA) Rapid Bioassessment Protocol (RBP) 2.

## Lake Monitoring

The candidate lakes for the Ambient Lake Monitoring Network (ALMN) were randomly selected using USEPA's probabilistic site selection methodology called the Generalized Random Tessellation Stratified or GRTS, but in a manner that equalizes selections over all Omernik Level III Ecoregions (6 in the state).

## Air Quality Monitoring

Ambient Air Quality Monitors are strategically located stations throughout the state of New Jersey and collect and analyze certain air pollutant data.

## STORET Data

The STORET data maintains the locations of water quality monitoring stations from NJDEP's NJ STORET (Modernized) database. This data is comprised of all stream monitoring done by NJDEP and others.

## Existing Water Quality Stations

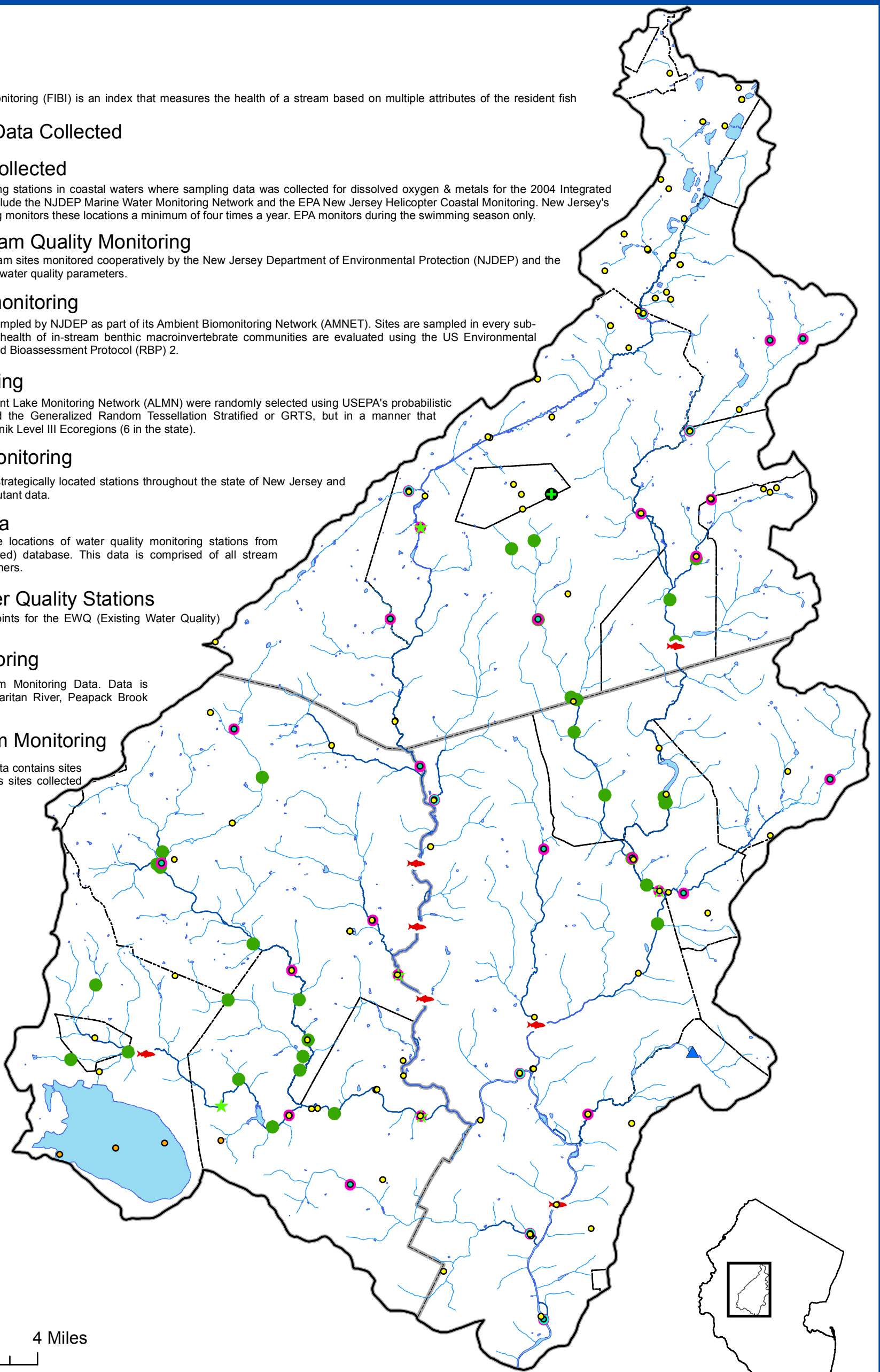
This data represents sampling points for the EWQ (Existing Water Quality) project at NJDEP.

## URWA Monitoring

Upper Raritan Watershed Stream Monitoring Data. Data is collected on the North Branch Raritan River, Peapack Brook and Rockaway Creek.

## USGS Stream Monitoring

USGS stream monitoring data. Data contains sites not collected by USGS as well as sites collected by USGS



- Watershed Boundary
- lakes
- reservoirs
- Rivers
- Streams
- County Boundaries
- Municipal Boundaries

## Upper Raritan Watershed Monitoring Sites



GIS Department  
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*Note some points may overlay*

Disclaimer: This information is provided with the understanding that it is not guaranteed to be correct or complete, and conclusions drawn from such information are the sole responsibility of the user.

Source:  
 USGS Stream Monitoring - 2007 online download from USGS  
 Fish IBI - (2005) NJDEP  
 Existing Water Quality Stations - (2004) NJDEP  
 Aquatic Life Data - (2004) NJDEP  
 Metal Data - (2004) NJDEP  
 Ambient Stream Quality Monitoring - (2005) NJDEP  
 AMNET Biomonitoring - (2004) NJDEP  
 Lake Monitoring - (2005) NJDEP  
 Air Quality Monitoring - (2006)  
 STORET Data - (2005) NJDEP  
 URWA Monitoring - (2007) NJDEP  
 Streams - Surface Water Quality Standards (2004) NJDEP  
 Rivers - NJDEP (stateriv)