

New Jersey 2006 Integrated List

The NJDEP has compiled the NJ 2006 Integrated List, which lists surface waters organized by degrees of impairment, called "sublists" (this is a categorization independent of the "FW1 TP(C1)" system described in the NJDEP Surface Water Classifications). The NJ Surface Water Quality Standards (SWQS) identify specific designated uses for the waterbody. Each designated use is evaluated as attaining or non-attaining if a minimum data set is available. The minimum data set for each designated use is detailed in the table below:

Designated Use	Data Requirements
Aquatic Life Support	Benthic macroinvertebrate data and fin fish data are preferred. If biological data not available, the preferred data set consists of pH, DO, temperature, total phosphorus, TDS, and TSS. DO is the minimum data set.
Recreation	Enterococcus or fecal coliform or E. coli (Human health) Total phosphorus and DEP lake questionnaire (Aesthetic)
Fish Consumption	Fish consumption advisories for one or more parameters
Drinking Water Supply	The preferred data set includes metals, toxics, nitrate, TDS, chloride, or source water use restrictions. The minimum data set is nitrate.
Industrial Water Supply	TSS and pH
Agricultural Water Supply	TDS and salinity

Sublist 1: Sufficient data for assessment and full attainment for designated use

- Primrose Brook (Aquatic Life – general and trout, Primary Contact Recreation, Secondary Contact Recreation, Drinking Water Supply, Agricultural Water Supply, Industrial Water Supply)

Sublist 2: Assessment for an individual designated use is complete and results indicate full attainment but other designated uses are unassessed, assessed as non-attain or have an approved TMDL.

- Black Brook - Great Swamp NWR (Agricultural Water Supply, Industrial Water Supply)
- Great Brook above Green Village Rd (Aquatic Life – general)
- Passaic River – above Osborn Mills (Aquatic Life – general and trout, Drinking Water Supply, Agricultural Water Supply, Industrial Water Supply)
- Passaic River – Dead River to Osborn Mills (Agricultural Water Supply, Industrial Water Supply)

Sublist 3: Insufficient or no data to determine if any designated use is attained

- Black Brook - Great Swamp NWR (Secondary Contact Recreation, Fish Consumption)

- Great Brook – above Green Village Rd (Primary and Secondary Contact Recreation, Drinking Water Supply, Agricultural Water Supply, Industrial Water Supply, Fish Consumption)
- Great Brook – below Green Village Rd (Primary and Secondary Contact Recreation, Drinking Water Supply, Agricultural Water Supply, Industrial Water Supply, Fish Consumption)
- Loantaka Brook (Aquatic Life – general, Primary and Secondary Contact Recreation, Drinking Water Supply, Agricultural Water Supply, Industrial Water Supply, Fish Consumption)
- Passaic River – above Osborn Mills (Secondary Contact Recreation, Fish Consumption)
- Passaic River – Dead River to Osborn Mills (Secondary Contact Recreation, Fish Consumption)
- Primrose Brook (Fish Consumption)

Sublist 4A: Designated use in non attain due to pollutants and a TMDL has been adopted in the New Jersey Register and approved by the USEPA

- Black Brook - Great Swamp NWR (Primary Contact Recreation)
- Passaic River – above Osborn Mills (Primary Contact Recreation)
- Passaic River – Dead River to Osborn Mills (Primary Contact Recreation)

Sublist 5: Impaired or threatened by a pollutant, designated use in non attain

- Black Brook - Great Swamp NWR (Aquatic Life – general, Drinking Water Supply)
- Great Brook – below Green Village Rd (Aquatic Life – general)
- Passaic River – Dead River to Osborn Mills (Aquatic Life – general, Drinking Water Supply)

Associated Pollutants Causing the Non-Attainment of the Designated Uses (Sublist 5):

- Black Brook - Great Swamp NWR (Arsenic, Phosphorus)
- Great Brook – below Green Village Rd (Pollutant Unknown)
- Passaic River – Dead River to Osborn Mills (Arsenic, Cyanide)

Notes:

The designated use of Aquatic Life – trout only applies to the Passaic River above Osborn Mills and Primrose Brook.

The designated use of Shellfish Harvest has been omitted because it does not apply to any Great Swamp Watershed stream.