

01408710 JAKES BRANCH AT SOUTH TOMS RIVER, NJ

LOCATION.--Lat 39°56'07", long 74°12'32", Ocean County, Hydrologic Unit 02040301, at bridge on Double Trouble Road (County Route 619) in South Toms River, 360 ft north of intersection of Birch Street and Double Trouble Road, 1.0 mi west of Beachwood, and 1.4 mi upstream of mouth.

DRAINAGE AREA.--8.63 mi².

PERIOD OF RECORD.--Water years 1975, 1977-78, 2005.

REMARKS.--The calibration of water-quality sensors is verified by regular inspections. Cleaning or recalibration is needed occasionally as a result of sensor fouling or drift. When a sensor is recalibrated, the continuous-record water-quality data for the period between inspections are adjusted to account for the difference between the sensor's response and a known value. The adjustment may be constant over the period or may be prorated. Continuous-record water-quality data for periods for which the difference between the sensor's response and a known value does not exceed recalibration criteria are considered to be reliable and are not adjusted. Recalibration criteria are listed in "Accuracy of the Records" in the Explanation of Water-Quality Records section of this report. Data from the following periods were adjusted: DISSOLVED OXYGEN: Sep. 30 to Oct. 7; SPECIFIC CONDUCTANCE: Sept. 30 to Oct. 7.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Watershed Reconnaissance, New Jersey Department of Environmental Protection Watershed Management Area 13.

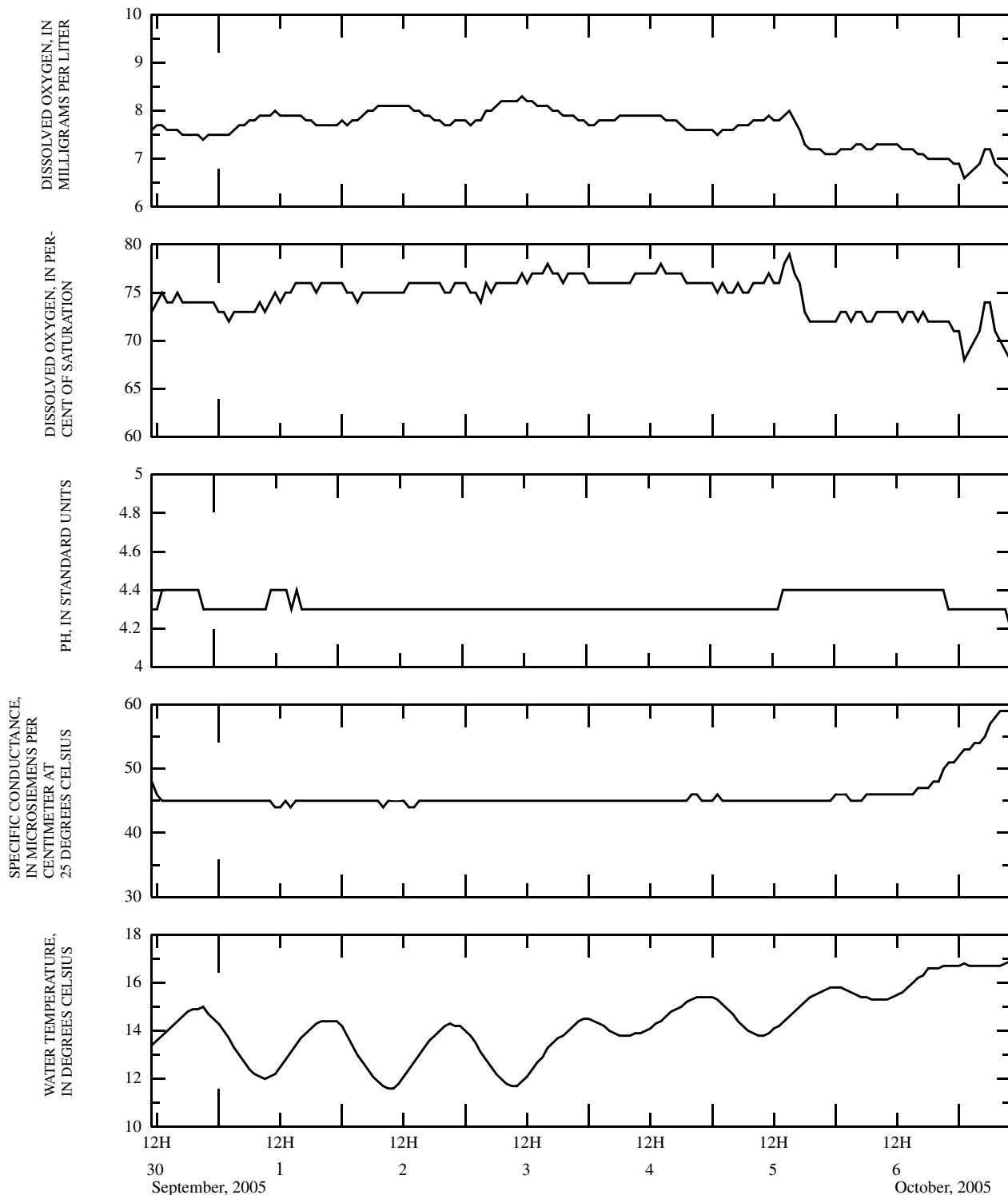


Figure 36. Reconnaissance Study--Hourly water-quality-monitor values recorded at 01408710, Jakes Branch at South Toms River, New Jersey, water year 2005.