



Water-Data Report 2006

**01393690 MORSES CREEK AT WEST STIMPSON AVENUE, AT LINDEN, NJ**

MORSES CREEK BASIN

LOCATION.--Lat 40°37'32", long 74°14'55" referenced to North American Datum of 1983, Linden City, Union County, NJ, Hydrologic Unit 02030104, at bridge on West Stimpson Avenue, 0.8 mi southeast of Linden, and 3.6 mi upstream of mouth.

DRAINAGE AREA.--5.90 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 2003-06.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Nov 3, 2005	0.71
Feb 14, 2006	3.04
May 9, 2006	0.95
Aug 8, 2006	1.08

**01393690 MORSES CREEK AT WEST STIMPSON AVENUE, AT LINDEN, NJ—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2005 to current year

REMARKS.--The accuracy of continuous water-quality data is routinely verified through inspections for fouling and calibration drift. The New Jersey Water Science Center requires that either constant or prorated adjustments be made to the continuous water-quality record when the difference between a sensor's response and a known value exceeds the following criteria: Water Temperature, 0.2 degrees Celsius (+ or -); Specific Conductance, the greater of 5 microsiemens/cm (+ or -) or 5% of the measured value; Dissolved Oxygen, the greater of 0.3 mg/L (+ or -) or 5% of the measured value; pH, 0.3 units (+ or -); Turbidity, the greater of 0.5 FNU (+ or -) or 5% of the measured value. If the difference between a sensor's response and a known value is within specified criteria, the data are considered to be reliable and are not adjusted. Data from the following period(s) were adjusted - None.

COOPERATIVE NETWORK SITE DESCRIPTOR: Watershed Reconnaissance.

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WATERSHED RECONNAISSANCE STUDY  
HOURLY WATER-QUALITY-MONITOR VALUES  
AUGUST 18, 2006 TO AUGUST 25, 2006

