



Water-Data Report 2009

01379530 CANOE BROOK NEAR SUMMIT, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°44'40", long 74°21'13" referenced to North American Datum of 1983, Millburn Township, Essex County, NJ, Hydrologic Unit 02030103, on left bank just upstream of pumping station intake, 100 ft upstream of bridge on private driveway within New Jersey-American Water Company property, 0.5 mi upstream of mouth, 1.6 mi east of Chatham, and 2.0 mi north of Summit.

DRAINAGE AREA.--11.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Published 1930-65 in Special Reports of predecessors of the New Jersey Department of Environmental Protection. Fragmentary records for water years 1966-2001 are unpublished but available in the files of the New Jersey Water Science Center or on the web at <http://nwis.waterdata.usgs.gov/>. October 2001 to current year.

GAGE.--Water-stage recorder upstream and downstream of concrete weir, velocity meter, water temperature, crest-stage gage downstream of control. Datum of gage is 159.64 ft NGVD of 1929.

REMARKS.--Records fair, except for discharges below 2 ft³/s and above 200 ft³/s and estimated daily discharges, which are poor. Diversion above weir by New Jersey-American Water Company for municipal supply. During extreme backwater conditions from the Passaic River, reverse flow may occur during periods of high flow, due to pumping from the gage pool for municipal supply by New Jersey-American Water Company. Reverse flows are reported as zero flows presently.

01379530 CANOE BROOK NEAR SUMMIT, NJ—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 2002 - 2009
Annual total	6,259.26	6,225.40	
Annual mean	17.1	17.1	17.7
Highest annual mean			26.9
Lowest annual mean			3.91
Highest daily mean	^a 641 Feb 13	^a 461 Dec 12	^b 970 Apr 16, 2007
Lowest daily mean	0.55 Sep 5	0.67 Sep 26	0.00 Many days
Annual seven-day minimum	0.66 Aug 22	0.92 Oct 18	0.00 Jun 30, 2002
10 percent exceeds	30	36	31
50 percent exceeds	4.8	5.1	4.4
90 percent exceeds	1.3	1.5	0.64

^a From rating extended above 200 ft³/s.

^b Estimated.

