

Water-Data Report 2013

## 01389010 PASSAIC RIVER AT I-80 AT SINGAC, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°53'40", long 74°15'58" referenced to North American Datum of 1983, Wayne Township, Passaic County, NJ, Hydrologic Unit 02030103, on upstream left bank at bridge on Interstate 80, 300 ft upstream from confluence with Singac Brook, 0.4 mi downstream from confluence with Pompton River, and 1.5 mi northwest of Singac.

DRAINAGE AREA.--740 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 2012 to current year.

GAGE.--Water-stage, velocity, and water temperature recorder. Datum of gage is 155.00 ft above NGVD of 1929.

REMARKS.--Records fair, including estimated daily discharges. Flow regulated by reservoirs in Rockaway (see 01379990 and 01380900), Pequannock (see 01382100, 01382200, 01382300, 01382380, and 01382400), Wanaque (see 01383000, 01384002, and 01386990), and Ramapo River subbasins. Large diversions for municipal supply from Passaic River above Beatties Dam (see 01389490), and from Rockaway (see 01380800), Pequannock (see 01382370), Pompton (see 01388980, 01388981, 01388982), Ramapo (see 01387990), and Wanaque (see 01386980) Rivers. In addition, the New Jersey-American Water Company (formerly Commonwealth Water Company) diverts from Canoe Brook near Summit (see 01379529) and from Passaic River near Summit (see 01379510); that company, the city of East Orange, and others also divert water for municipal supply by pumping wells in the basin. Flow includes sewage effluent from several treatment plants upstream of gage. Satellite telemetry at station.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	253	2,250	2,770	2,600	960	559	1,670	1,720	915	534
2	---	---	232	2,020	2,640	2,360	984	523	1,470	1,920	919	524
3	---	---	249	1,810	2,310	2,120	918	489	1,400	1,980	876	558
4	---	---	270	1,610	2,070	1,900	805	451	1,250	1,860	815	528
5	---	---	264	1,420	1,860	1,690	733	417	1,070	1,730	704	453
6	---	---	252	1,270	1,670	1,510	700	394	888	1,570	573	390
7	---	---	234	1,130	1,490	1,390	668	380	1,410	1,430	459	352
8	---	---	368	1,010	1,350	1,380	630	735	3,110	1,290	545	328
9	---	---	477	895	1,280	1,420	597	1,190	3,140	1,150	901	315
10	---	---	595	824	1,180	1,400	605	1,430	3,050	1,010	1,060	303
11	---	---	608	800	1,110	1,360	819	1,460	3,650	886	1,040	302
12	---	---	548	992	1,200	1,640	1,040	1,520	4,020	769	896	494
13	---	---	461	1,180	1,270	2,650	1,220	1,440	4,040	705	845	926
14	---	---	400	1,280	1,280	3,200	1,190	1,320	4,950	636	1,000	766
15	---	---	358	1,400	1,280	3,000	1,100	1,220	5,610	575	957	549
16	---	---	337	1,540	1,350	2,700	990	1,110	5,190	506	832	425
17	---	---	472	1,600	1,380	2,460	891	984	4,360	443	706	364
18	---	---	862	1,560	1,300	2,220	807	858	3,690	399	587	329
19	---	---	1,070	1,450	1,240	2,200	739	804	3,490	357	489	290
20	---	---	1,050	1,360	1,300	2,250	951	869	2,980	331	424	199
21	---	---	2,260	1,290	1,260	2,150	1,120	845	2,580	320	383	180
22	---	---	3,810	1,190	1,180	2,020	1,090	764	2,260	374	432	585
23	---	---	3,950	1,030	1,110	1,880	969	1,210	1,960	961	596	587
24	---	---	3,320	859	1,180	1,740	846	2,840	1,690	1,110	616	488
25	---	---	2,930	e703	1,230	1,610	765	3,290	1,450	1,000	584	382
26	---	---	2,650	698	1,210	1,490	708	3,200	1,250	809	573	304
27	---	---	3,150	628	2,020	1,360	650	2,780	1,080	605	577	262
28	---	---	3,230	601	2,610	1,240	599	2,440	1,470	503	721	226
29	---	---	3,050	651	---	1,120	569	2,310	1,540	667	900	193
30	---	---	2,810	e799	---	987	565	2,120	1,420	822	730	177
31	---	---	2,530	e1,980	---	930	---	1,890	---	894	545	---
<b>Total</b>	---	---	43,050	37,830	43,130	57,977	25,228	41,842	77,138	29,332	22,200	12,313
<b>Mean</b>	---	---	1,389	1,220	1,540	1,870	841	1,350	2,571	946	716	410
<b>Max</b>	---	---	3,950	2,250	2,770	3,200	1,220	3,290	5,610	1,980	1,060	926
<b>Min</b>	---	---	232	601	1,110	930	565	380	888	320	383	177

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2013 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	---	---	1,389	1,220	1,540	1,870	841	1,350	2,571	946	716	410
<b>Max</b>	---	---	1,389	1,220	1,540	1,870	841	1,350	2,571	946	716	410
<b>(WY)</b>	(---)	(---)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)
<b>Min</b>	---	---	1,389	1,220	1,540	1,870	841	1,350	2,571	946	716	410
<b>(WY)</b>	(---)	(---)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)

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