01387908 RAMAPO RIVER AT RAILROAD BRIDGE, AT OAKLAND, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°01′29″, long 74°15′10″ referenced to North American Datum of 1983, Oakland Borough, Bergen County, NJ, Hydrologic Unit 02030103, on right bank 60 ft downstream from New York Susquehanna and Western railroad bridge at end of River Road in Oakland, 2,000 ft downstream of bridge on Interstate Route 287, 1.7 mi upstream from Pompton Lake, and 2.3 mi southeast of Wanaque.

DRAINAGE AREA.--143 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2008 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 12	1445	*3,040	*6.33
No other peak greater than base discharge			

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e80	217	341	425	144	181	226	147	81	359	422	102
2	e63	177	339	366	143	182	272	176	72	445	622	89
3	e67	151	274	338	154	171	334	161	72	501	730	79
4	e54	145	237	310	149	155	489	161	141	368	419	74
5	e61	128	219	289	131	146	376	169	124	272	289	67
6	e51	141	199	280	125	147	350	255	144	212	247	62
7	e41	161	191	415	118	170	419	962	101	187	200	58
8	e38	153	172	510	147	198	362	780	82	314	168	58
9	e38	147	152	376	206	286	319	579	352	214	143	59
10	e41	133	208	298	194	330	280	464	348	170	229	84
11	35	120	444	286	211	287	263	352	314	144	303	137
12	31	109	2,600	261	349	260	259	291	624	162	263	212
13	30	116	2,450	233	428	227	225	252	452	139	228	163
14	30	222	1,360	218	355	208	205	224	352	113	266	119
15	28	335	885	197	297	196	209	286	639	95	205	98
16	27	627	719	175	260	187	189	272	668	87	161	73
17	32	461	647	165	233	176	176	471	444	91	133	67
18	34	351	578	165	218	167	165	375	804	355	113	65
19	30	284	504	173	282	167	154	278	1,260	170	99	58
20	31	241	484	166	275	172	153	230	850	118	88	53
21	29	213	435	158	229	158	347	198	952	221	94	50
22	31	189	389	144	209	151	328	167	998	243	244	48
23	30	163	322	137	205	138	317	148	781	165	186	48
24	28	150	339	135	182	127	260	135	551	127	147	45
25	36	216	725	126	166	120	222	124	432	107	121	41
26	223	245	741	121	159	118	198	109	354	117	101	58
27	200	208	581	113	157	164	181	103	407	167	87	105
28	388	183	637	155	184	154	169	100	354	162	86	90
29	749	163	756	247	---	177	154	120	273	205	164	69
30	465	176	640	192	---	346	144	115	260	200	194	56
31	284	---	525	163	---	277	---	97	---	379	130	---
Total	3,305	6,325	19,093	7,337	5,910	5,943	7,745	8,301	13,286	6,609	6,882	2,387
Mean	107	211	616	237	211	192	258	268	443	213	222	79.6
Max	749	627	2,600	510	428	346	489	962	1,260	501	730	212
Min	27	109	152	113	118	118	144	97	72	87	86	41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	107	211	616	237	211	192	258	268	443	213	222	79.6
Max	107	211	616	237	211	192	258	268	443	213	222	79.6
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)
Min	107	211	616	237	211	192	258	268	443	213	222	79.6
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)

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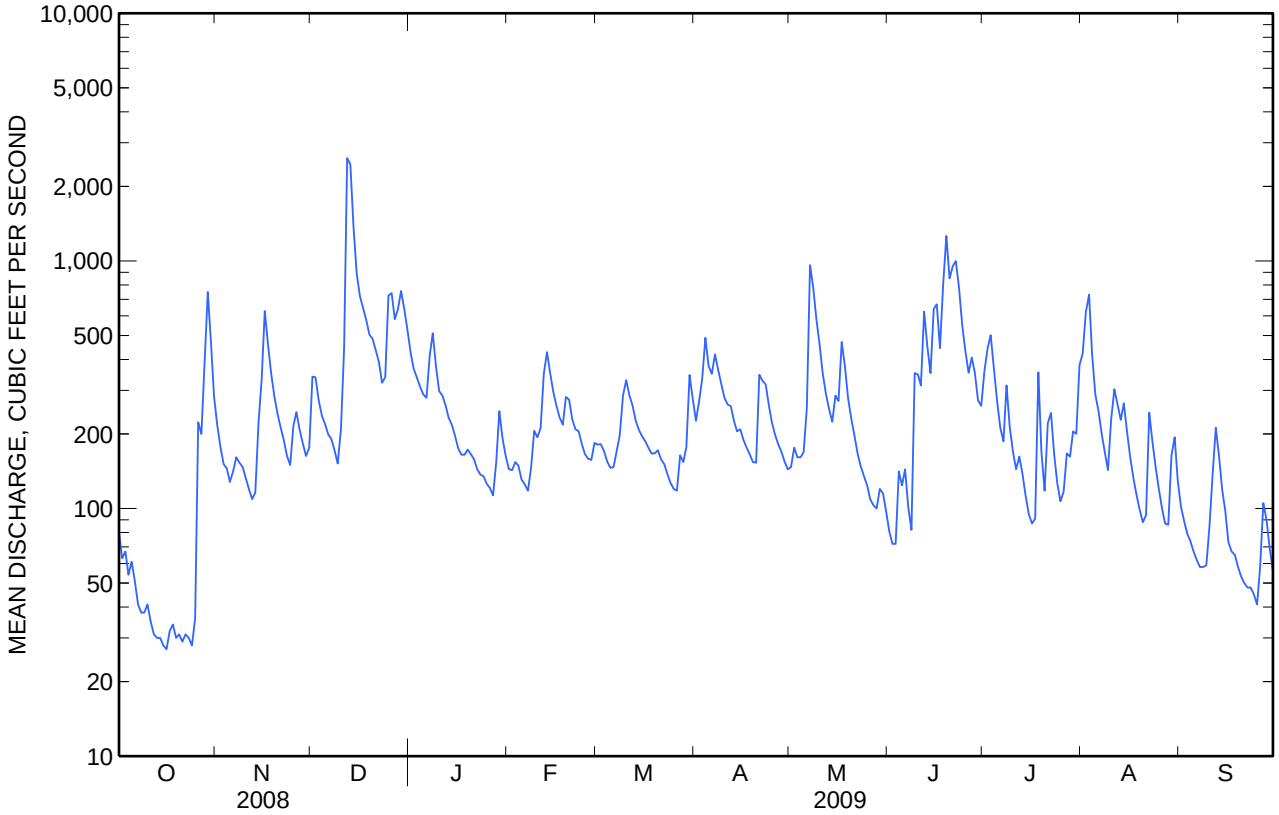
SUMMARY STATISTICS

	Water Year 2009	
Annual total	93,123	
Annual mean	255	
Highest daily mean	2,600	Dec 12
Lowest daily mean	27	Oct 16
Annual seven-day minimum	30	Oct 13
Maximum peak flow	3,040	Dec 12
Maximum peak stage	6.33	Dec 12
Instantaneous low flow	26	Oct 16
10 percent exceeds	476	
50 percent exceeds	186	
90 percent exceeds	64