Water-Data Report 2008

04250200 SALMON RIVER AT PINEVILLE, NY

Southeastern Lake Ontario Basin
Salmon-Sandy Subbasin

LOCATION.--Lat 43°32′00″, long 76°02′20″ referenced to North American Datum of 1927, Oswego County, NY, Hydrologic Unit 04140102, on right bank 30 ft downstream from County Highway 48 in Pineville, 0.8 mi upstream from Trout Brook, and 2.3 mi northwest of Altmar.

DRAINAGE AREA.--238 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1992 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 477.54 ft above NGVD of 1929.

REMARKS.--Records good. Seasonal regulation of flow by Salmon River Reservoir at Redfield. Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft^3/s, Jan. 8, 1998, gage height, 12.62 ft; minimum discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 24,800 ft^3/s, Dec. 29, 1984, gage height, 16.36 ft, on basis of contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,040 ft^3/s, Apr. 13, gage height, 9.18 ft; minimum discharge, 133 ft^3/s, Oct. 1, 4, 5, 6, gage height, 5.12 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	136	904	944	1,430	966	1,090	1,160	1,860	280	1,240	470	427
2	136	861	920	1,380	1,000	1,090	1,350	1,030	276	921	819	423
3	139	601	997	e1,020	995	1,090	1,300	992	273	529	782	420
4	137	593	1,010	983	987	1,130	1,710	988	272	549	357	418
5	134	601	992	714	1,550	1,220	1,790	946	269	823	267	415
6	137	630	976	713	2,170	1,250	1,820	684	315	792	309	429
7	141	674	967	739	2,400	1,260	1,970	655	594	334	688	432
8	148	684	956	954	2,190	1,530	2,660	491	589	236	1,400	425
9	159	660	941	1,780	2,110	1,550	2,850	479	601	233	1,430	452
10	163	640	934	2,290	2,050	1,530	2,700	465	827	233	1,390	445
11	166	626	908	2,330	2,010	1,500	2,720	454	861	233	1,400	431
12	165	615	534	2,390	1,980	1,480	3,470	442	833	231	1,350	439
13	163	619	520	2,280	1,490	1,440	3,590	383	818	248	952	454
14	172	619	510	2,190	1,420	1,440	2,980	368	814	262	952	491
15	162	639	e495	1,450	1,010	1,450	2,350	301	809	244	932	475
16	153	672	e479	1,030	987	1,460	1,730	295	667	235	926	458
17	147	657	e469	1,010	972	1,440	2,670	292	259	246	887	447
18	147	654	471	984	1,020	1,420	3,390	298	254	450	371	437
19	192	916	469	682	1,020	1,470	3,600	305	253	787	559	430
20	330	935	467	e674	1,010	1,600	3,740	296	277	774	963	429
21	305	959	461	e665	1,000	1,570	3,260	291	480	354	1,330	426
22	284	1,100	456	667	1,000	1,520	2,360	303	462	254	838	422
23	362	1,100	520	672	1,130	1,490	1,230	314	272	252	830	420
24	559	1,010	773	661	1,120	1,440	1,220	302	272	279	824	419
25	526	965	1,090	657	1,110	949	1,430	291	265	468	830	418
26	864	949	1,010	657	1,110	635	1,240	288	269	327	820	455
27	926	1,040	1,010	656	1,100	629	1,550	288	290	349	810	790
28	940	1,060	1,450	651	1,100	643	1,610	282	420	859	808	791
29	1,030	1,000	1,470	658	1,100	930	2,060	278	502	1,090	808	786
30	959	973	1,460	947	---	959	2,020	276	1,520	1,020	809	792
31	930	---	1,440	948	---	993	---	278	---	449	774	---
Total	10,912	23,956	26,099	34,862	39,107	39,198	67,530	15,215	14,893	15,301	26,685	14,496
Mean	352	799	842	1,125	1,349	1,264	2,251	491	496	494	861	483
Max	1,030	1,100	1,470	2,390	2,400	1,600	3,740	1,860	1,520	1,240	1,430	792
Min	134	593	456	651	966	629	1,160	276	253	231	267	415

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	709	893	857	869	788	1,171	1,834	752	415	371	324	467
Max	1,480	1,868	1,397	1,704	1,374	1,809	2,818	1,684	768	943	861	875
(WY)	(2006)	(2007)	(1997)	(1998)	(2006)	(2003)	(1993)	(2003)	(1993)	(2006)	(2008)	(2004)
Min	280	245	390	359	504	549	512	261	214	74.4	70.4	147
(WY)	(2003)	(1999)	(1999)	(2001)	(2004)	(1993)	(1995)	(1998)	(1995)	(1995)	(1995)	(2007)

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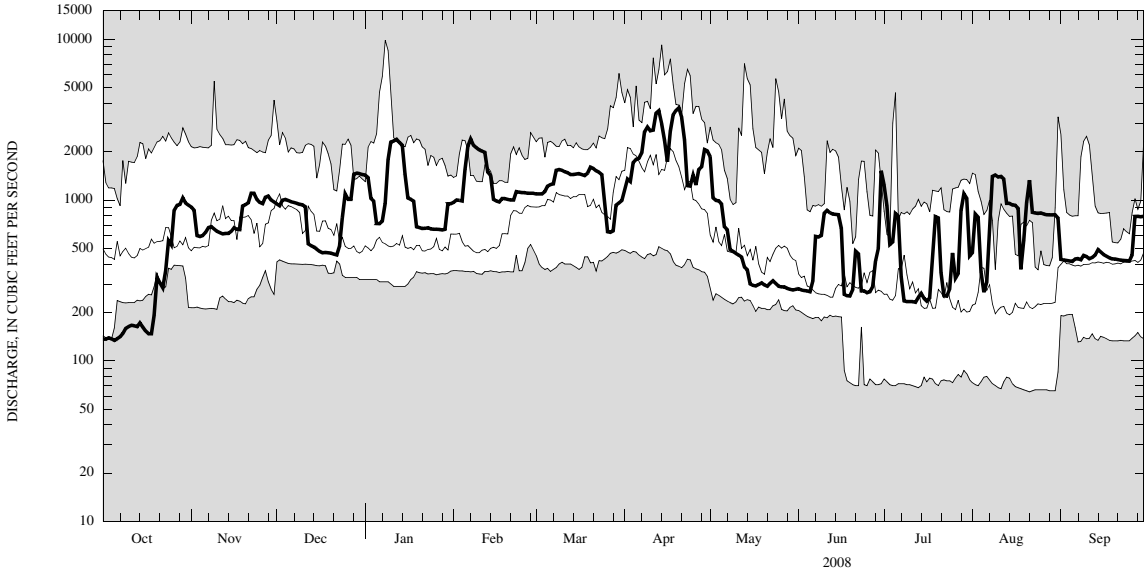
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1993 - 2008	
Annual total	265,298		328,254			
Annual mean	727		897		784	
Highest annual mean					947	2007
Lowest annual mean					548	1995
Highest daily mean	3,180	Apr 28	3,740	Apr 20	9,880	Jan 8, 1998
Lowest daily mean	131	Sep 7	134	Oct 5	64	Aug 21, 1995
Annual seven-day minimum	133	Sep 19	137	Oct 1	65	Aug 19, 1995
10 percent exceeds	1,690		1,600		1,740	
50 percent exceeds	589		792		494	
90 percent exceeds	160		268		222	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.