Water-Data Report 2009

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, 4,770 ft^3/s, Apr. 5, gage height, 9.61 ft; minimum discharge, 197 ft^3/s, June 3, gage height, 5.29 ft.

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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	801	1,980	784	1,880	884	e981	2,270	954	446	257	815	417
2	824	1,970	802	1,410	828	e965	2,280	791	344	281	903	412
3	850	1,960	766	1,010	825	e975	2,430	1,450	275	495	916	413
4	846	1,560	752	e996	e842	e958	3,070	1,470	272	755	848	449
5	826	1,050	747	960	e863	e932	4,590	1,380	265	733	796	785
6	801	1,030	740	573	881	988	4,100	881	265	337	370	750
7	591	1,010	728	555	897	1,390	2,490	879	264	268	261	413
8	586	1,020	701	533	904	1,510	2,410	866	264	267	254	407
9	625	1,010	710	521	905	1,680	2,310	864	272	266	253	407
10	608	1,000	808	e516	904	2,090	2,260	916	269	253	270	407
11	594	1,010	884	511	915	2,200	2,240	907	269	284	276	407
12	576	997	1,170	502	1,010	2,270	2,200	886	294	316	267	407
13	430	996	1,440	497	997	2,250	2,100	855	275	278	260	405
14	421	1,000	1,540	503	e783	2,170	2,070	851	268	262	301	407
15	419	1,030	2,030	e501	e751	2,150	2,090	829	267	256	278	407
16	468	1,100	2,120	e510	e718	2,100	2,110	786	262	285	261	403
17	469	1,150	2,070	e507	e728	1,540	2,150	1,800	257	512	256	402
18	464	1,490	2,000	e507	726	1,570	2,170	2,300	291	800	257	402
19	442	1,460	1,370	487	760	1,610	2,170	1,960	316	776	255	402
20	430	1,440	1,020	482	930	1,630	2,150	1,410	529	356	257	402
21	450	1,420	1,010	e477	929	1,830	2,150	990	499	260	281	402
22	469	1,320	1,000	470	931	1,820	2,170	680	282	266	492	413
23	462	963	1,010	486	922	1,780	2,100	465	270	265	489	413
24	489	823	997	631	956	1,760	1,390	457	263	265	475	412
25	928	747	1,040	629	912	1,750	1,030	451	258	266	470	409
26	1,110	751	1,030	670	915	1,780	1,080	396	256	279	425	413
27	1,010	719	1,220	879	e946	1,870	1,730	832	255	297	419	466
28	1,420	713	1,940	883	e965	1,940	1,910	849	255	281	418	472
29	1,510	717	2,250	886	---	2,240	1,310	804	258	276	417	488
30	1,700	709	2,140	888	---	2,750	929	477	259	291	421	513
31	1,710	---	2,060	883	---	2,330	---	458	---	526	421	---
Total	23,329	34,145	38,879	21,743	24,527	53,809	65,459	29,894	8,819	11,309	13,082	13,305
Mean	753	1,138	1,254	701	876	1,736	2,182	964	294	365	422	444
Max	1,710	1,980	2,250	1,880	1,010	2,750	4,590	2,300	529	800	916	785
Min	419	709	701	470	718	932	929	396	255	253	253	402

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	712	908	881	859	793	1,204	1,855	765	408	371	330	466
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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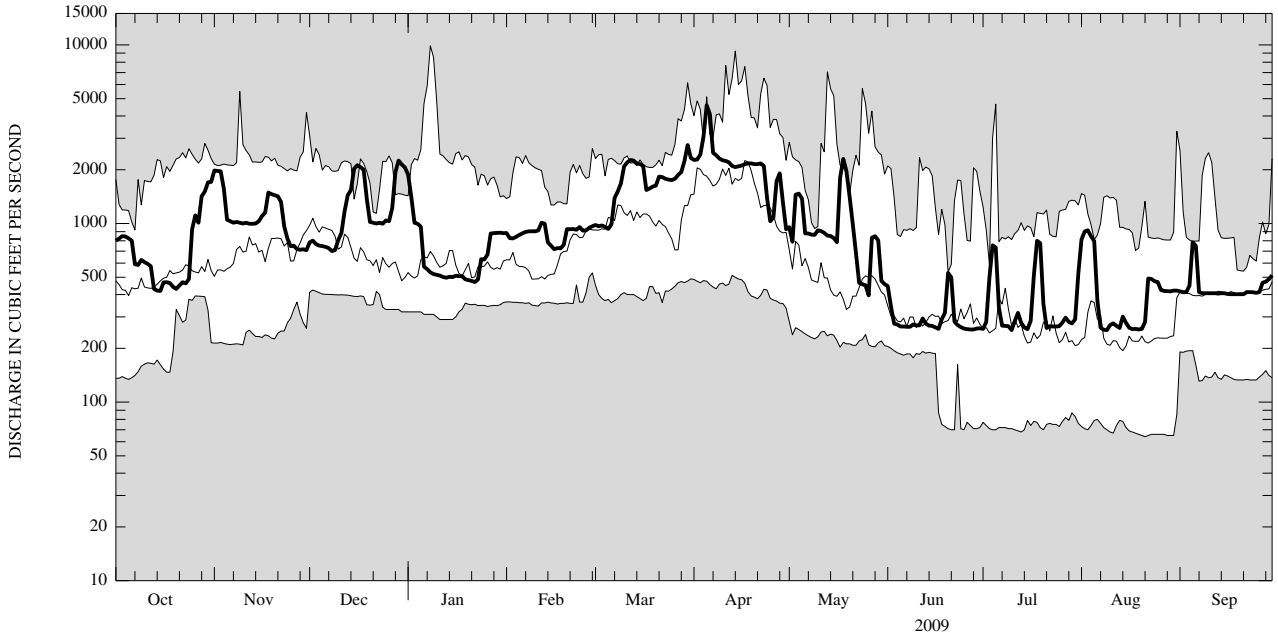
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1993 - 2009	
Annual total	363,640		338,300			
Annual mean	994		927		793	
Highest annual mean					947	2007
Lowest annual mean					548	1995
Highest daily mean	3,740	Apr 20	4,590	Apr 5	9,880	Jan 8, 1998
Lowest daily mean	231	Jul 12	253	Jul 10	64	Aug 21, 1995
Annual seven-day minimum	239	Jul 8	257	Jun 25	65	Aug 19, 1995
10 percent exceeds	1,970		2,080		1,770	
50 percent exceeds	832		786		502	
90 percent exceeds	292		268		226	



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.