Water-Data Report 2011

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 except those for estimated daily discharges, which are fair. Seasonal regulation of flow by Salmon River Reservoir at Redfield. Extensive diurnal fluctuation caused by powerplants at Bennett Bridge and Lighthouse Hill. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s, Oct. 1, 2010, gage height, 14.30 ft, from rating curve extended above 7,400 ft^3/s on basis of contracted-opening measurement at gage height 16.36 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, 17,000 ft^3/s, Oct. 1, gage height, 14.30 ft, from rating curve extended as explained above; minimum discharge, 144 ft^3/s, July 13, gage height, 5.16 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 04250200, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/04250200.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9,270	1,020	4,070	e618	368	444	969	1,980	777	291	246	391
2	3,720	987	2,340	e620	371	669	997	1,960	764	280	243	390
3	1,860	973	1,980	e629	368	911	1,030	1,940	762	280	244	390
4	2,240	967	1,780	e634	e395	987	1,100	2,080	607	273	245	391
5	2,120	982	1,510	e634	e386	1,440	1,540	1,950	281	267	244	422
6	1,830	990	1,390	628	378	1,630	1,320	1,640	273	264	246	467
7	1,860	976	991	624	376	1,720	1,160	1,230	272	280	244	805
8	1,840	966	978	616	376	2,050	1,090	1,190	267	510	245	673
9	1,790	917	966	615	382	2,060	1,060	1,120	265	773	271	428
10	1,730	662	948	608	379	3,150	1,140	878	273	744	275	415
11	1,110	655	953	599	e378	3,960	1,680	616	278	344	263	408
12	905	652	e950	605	368	3,610	2,000	489	286	253	254	402
13	874	647	e960	598	365	2,740	2,160	524	282	267	250	400
14	865	641	e970	558	369	2,290	2,820	931	279	266	272	402
15	944	652	e977	385	395	1,970	2,840	1,030	273	261	327	407
16	1,080	640	e984	386	384	1,770	3,940	1,150	270	257	298	402
17	970	566	969	e392	372	1,690	3,990	1,100	270	256	272	399
18	913	611	956	389	390	1,750	2,920	1,020	268	270	259	395
19	890	567	890	382	409	2,010	2,030	995	265	268	252	392
20	880	536	661	380	470	1,910	2,350	1,040	264	263	249	410
21	919	513	652	379	407	1,860	2,290	990	264	277	264	407
22	924	529	637	377	491	1,850	1,870	962	270	509	276	414
23	897	647	622	e381	423	1,800	1,830	946	276	795	258	416
24	909	863	614	e372	409	1,760	1,810	954	351	744	237	424
25	917	1,010	607	e363	382	1,580	1,920	1,010	611	363	232	419
26	916	994	598	e368	375	1,260	2,570	1,670	519	259	226	409
27	941	986	609	372	373	1,240	2,130	1,470	305	255	222	405
28	1,020	1,130	595	372	399	1,190	4,120	1,160	315	251	227	401
29	1,100	1,820	598	372	---	953	3,520	1,130	337	252	227	435
30	1,100	3,630	595	370	---	946	2,050	1,090	307	254	222	458
31	1,060	---	595	e374	---	959	---	801	---	250	233	---
Total	48,394	27,729	32,945	15,000	10,938	54,159	62,246	37,046	10,831	10,876	7,823	12,977
Mean	1,561	924	1,063	484	391	1,747	2,075	1,195	361	351	252	433
Max	9,270	3,630	4,070	634	491	3,960	4,120	2,080	777	795	327	805
Min	865	513	595	363	365	444	969	489	264	250	222	390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	765	884	877	829	768	1,226	1,791	763	412	377	328	470
Max	1,561	1,868	1,397	1,704	1,374	1,809	2,818	1,684	768	943	861	875
(WY)	(2011)	(2007)	(1997)	(1998)	(2006)	(2003)	(1993)	(2003)	(1993)	(2006)	(2008)	(2004)
Min	280	245	390	359	391	549	424	261	214	74.4	70.4	147
(WY)	(2003)	(1999)	(1999)	(2001)	(2011)	(1993)	(2010)	(1998)	(1995)	(1995)	(1995)	(2007)

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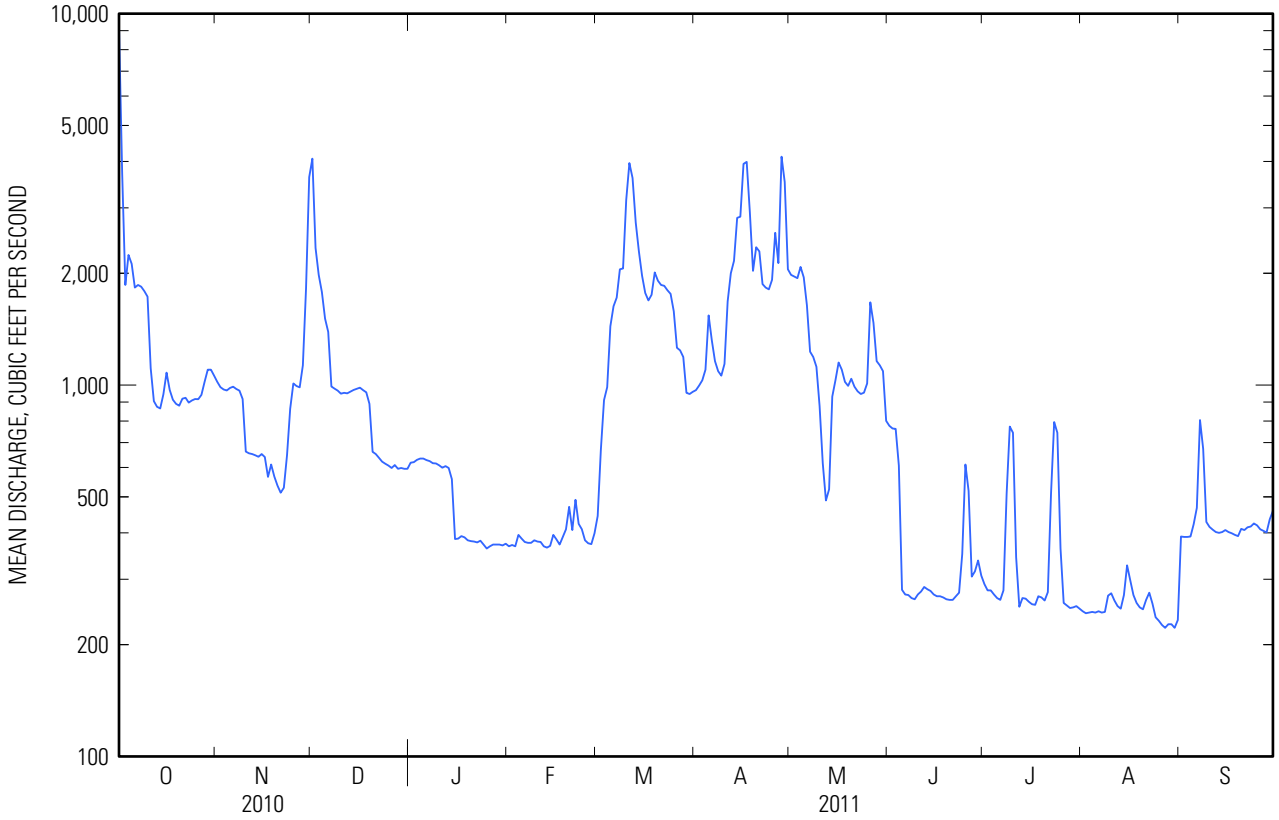
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1993 - 2011	
Annual total	266,011		330,964			
Annual mean	729		907		788	
Highest annual mean					947	2007
Lowest annual mean					548	1995
Highest daily mean	9,270	Oct 1	9,270	Oct 1	9,880	Jan 8, 1998
Lowest daily mean	233	May 26	222	Aug 27	64	Aug 21, 1995
Annual seven-day minimum	239	Aug 15	227	Aug 25	65	Aug 19, 1995
10 percent exceeds	1,390		1,940		1,750	
50 percent exceeds	567		616		500	
90 percent exceeds	259		264		232