

Water-Data Report 2013

04250200 SALMON RIVER AT PINEVILLE, NY

Southeastern Lake Ontario Basin
Salmon-Sandy Subbasin

LOCATION.--Lat 43°32'00", long 76°02'19" referenced to North American Datum of 1983, 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 mi².

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 ft³/s, Oct. 1, 2010, gage height, 14.30 ft, from rating curve extended above 7,400 ft³/s on basis of contracted-opening measurement at gage height 16.36 ft; minimum instantaneous discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 29, 1984, reached a stage of 16.36 ft, from floodmarks, discharge, 24,800 ft³/s, on basis of contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,730 ft³/s, Apr. 20, gage height, 11.07 ft; minimum discharge, 144 ft³/s, July 24, gage height, 5.15 ft.

04250200 SALMON RIVER AT PINEVILLE, NY—Continued

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	231	439	453	577	2,460	819	727	1,120	281	314	321	774
2	234	568	480	889	2,190	1,250	704	923	287	379	558	453
3	229	566	645	912	2,110	1,440	833	630	307	1,130	876	482
4	222	508	666	870	1,980	1,430	792	428	685	1,140	832	507
5	215	481	754	482	1,930	1,430	784	383	1,090	1,050	386	524
6	239	462	649	469	1,970	1,390	773	270	1,990	908	284	496
7	260	447	625	467	1,850	1,060	779	280	2,200	894	276	484
8	266	441	942	461	1,170	1,060	964	274	1,820	881	277	479
9	243	432	930	458	580	1,050	2,030	273	966	876	281	468
10	236	425	960	453	495	1,060	2,240	277	542	923	283	470
11	241	428	1,030	468	457	1,100	2,340	317	706	920	278	467
12	281	428	968	676	503	1,280	2,680	311	1,060	866	274	468
13	430	481	921	724	707	1,310	2,430	301	1,980	567	275	467
14	447	477	907	e725	898	1,220	2,020	287	2,250	435	276	465
15	465	468	905	e722	896	1,160	1,910	283	1,590	405	274	464
16	421	462	709	e713	889	1,140	1,740	277	906	657	258	469
17	415	451	512	e707	906	1,110	1,850	270	728	622	244	451
18	485	447	603	688	1,100	1,090	1,800	259	582	422	248	429
19	509	442	834	738	1,390	1,090	3,980	259	456	496	243	414
20	522	440	1,080	1,120	1,380	1,080	7,090	259	320	828	249	412
21	508	433	1,180	1,380	1,360	1,080	4,750	292	323	801	255	423
22	489	429	949	1,390	1,110	1,030	3,530	696	559	368	256	466
23	477	435	648	1,370	687	729	1,830	702	532	275	258	454
24	484	446	617	1,390	685	722	1,490	738	296	266	254	442
25	512	449	587	1,350	681	717	1,490	693	297	272	250	444
26	991	454	563	839	674	721	1,480	479	466	262	260	448
27	997	450	564	598	740	730	1,460	381	2,250	273	264	434
28	998	458	558	517	772	745	1,450	286	2,360	335	266	420
29	957	476	552	414	---	729	1,440	304	777	368	276	415
30	451	462	532	658	---	520	1,410	312	406	329	492	412
31	432	---	530	2,330	---	551	---	292	---	300	820	---
Total	13,887	13,785	22,853	25,555	32,570	31,843	58,796	12,856	29,012	18,562	10,644	14,001
Mean	448	460	737	824	1,163	1,027	1,960	415	967	599	343	467
Max	998	568	1,180	2,330	2,460	1,440	7,090	1,120	2,360	1,140	876	774
Min	215	425	453	414	457	520	704	259	281	262	243	412

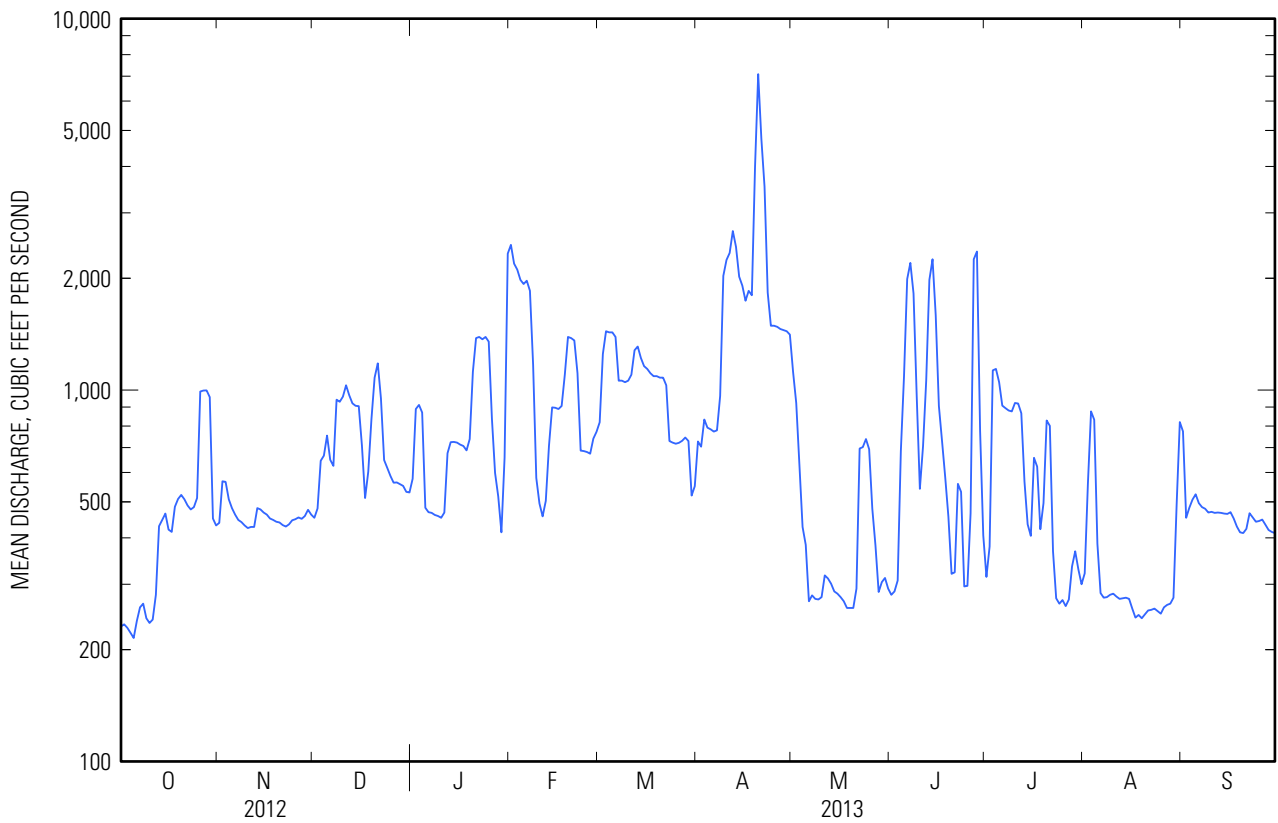
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	739	843	882	840	799	1,217	1,736	746	436	386	324	458
Max	1,561	1,868	1,397	1,704	1,374	1,809	2,818	1,684	967	943	861	875
(WY)	(2011)	(2007)	(1997)	(1998)	(2006)	(2003)	(1993)	(2003)	(2013)	(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)

04250200 SALMON RIVER AT PINEVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1993 - 2013	
Annual total	223,696		284,364			
Annual mean	611		779		781	
Highest annual mean					947	2007
Lowest annual mean					548	1995
Highest daily mean	2,130	Jan 28	7,090	Apr 20	9,880	Jan 8, 1998
Lowest daily mean	195	Sep 13	215	Oct 5	64	Aug 21, 1995
Annual seven-day minimum	199	Sep 11	233	Oct 1	65	Aug 19, 1995
10 percent exceeds	1,360		1,440		1,720	
50 percent exceeds	462		552		500	
90 percent exceeds	225		274		234	



04250200 SALMON RIVER AT PINEVILLE, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

CHEMICAL DATA: 2012 (c), 2013 (d).

NUTRIENT DATA: 2012 (c), 2013 (d).

COOPERATION.--In cooperation with the U.S. Environmental Protection Agency's Great Lakes Restoration Initiative (GLRI).

WATER-QUALITY DATA

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than]

Begin date	Begin time	Discharge, instantaneous, ft ³ /s (00061)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Suspended solids, water, unfiltered, mg/L (00530)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)
10-01-2012	1345	229	88	16.6	60	< 15	< .004	0.02
10-17-2012	1000	392	91	10.1	58	< 15	< .004	.02
11-05-2012	1445	477	--	8.7	45	< 15	< .004	.02
12-03-2012	1245	664	64	3.7	45	< 15	< .004	.01
01-07-2013	1415	466	34	1.1	46	< 15	< .004	< .01
02-04-2013	1555	1,910	23	.5	24	< 15	< .004	.02
03-04-2013	1430	1,430	--	1.0	32	< 15	< .004	< .01
04-01-2013	1405	756	--	3.4	40	< 15	< .004	.02
04-15-2013	1545	1,950	--	6.4	32	< 15	< .004	.05
05-06-2013	1410	277	65	18.7	46	< 15	< .004	< .01
05-20-2013	1350	260	64	18.6	24	< 15	< .004	< .01
06-03-2013	1310	277	70	17.9	49	< 15	< .004	.01
06-17-2013	1335	741	--	18.7	46	< 15	< .004	.01
07-03-2013	1130	1,140	56	20.4	33	< 15	< .004	.02
07-16-2013	1310	650	61	24.5	43	< 15	< .004	.02
08-05-2013	1430	289	73	23.5	52	< 15	< .004	< .01
08-19-2013	1435	245	--	24.7	59	< 15	< .004	< .01
09-04-2013	1215	460	74	22.7	54	< 15	< .004	.02
09-16-2013	1320	460	73	18.8	48	< 15	< .004	.01