

Water-Data Report 2013

**03014500 CHADAKOIN RIVER AT FALCONER, NY**

Allegheny Basin  
Conewango Subbasin

LOCATION.--Lat 42°06'45", long 79°12'14" referenced to North American Datum of 1983, Chautauqua County, NY, Hydrologic Unit 05010002, on left bank 10 ft downstream from South Dow Street Bridge in Falconer, 1.8 mi upstream from mouth, and 6 mi downstream from Chautauqua Lake.

DRAINAGE AREA.--194 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1934 to current year.

REVISED RECORDS.--WSP 803: 1936 (M). WDR NY-98-3: 1997 (M).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 1,256.41 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Chautauqua Lake. Diurnal fluctuation caused by mills upstream from station. Monthly figures for 1951-66 water years adjusted for regulation. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft<sup>3</sup>/s, Sept. 14, 1979, gage height, 4.93 ft; no flow for part of July 30, 2011, result of regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft<sup>3</sup>/s, Jan. 23, gage height, 3.51 ft; minimum discharge, 6.0 ft<sup>3</sup>/s, Oct. 19, gage height, 0.06 ft.

## 03014500 CHADAKOIN RIVER AT FALCONER, 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	51	1,110	244	460	907	598	605	145	752	498	68	73
2	54	1,160	253	458	e930	593	608	144	767	500	69	78
3	48	1,140	248	455	e1,000	589	486	144	752	489	68	84
4	47	1,080	270	453	1,050	583	295	144	740	493	68	81
5	47	1,030	367	451	1,050	571	240	144	725	488	66	80
6	53	974	424	449	1,010	563	239	144	769	483	64	73
7	45	935	425	449	e960	557	240	144	782	266	63	69
8	41	903	398	445	958	552	242	100	777	155	65	65
9	41	857	369	445	929	541	244	85	770	128	63	64
10	44	827	435	444	e900	545	495	149	768	103	62	63
11	39	793	472	457	877	577	930	265	935	95	62	62
12	39	780	466	476	814	655	1,020	260	975	71	62	62
13	39	785	462	481	825	650	1,040	256	1,020	54	73	62
14	43	531	461	544	766	654	1,020	254	991	53	63	61
15	59	399	457	588	757	649	963	160	961	53	60	60
16	69	397	453	584	718	644	965	69	932	53	59	61
17	50	394	460	584	624	637	950	66	771	52	57	59
18	65	392	486	576	564	628	880	64	276	52	56	59
19	46	390	467	574	589	632	799	63	233	49	55	58
20	76	388	458	580	380	628	749	225	191	60	53	58
21	82	387	474	560	337	620	493	60	132	49	47	80
22	57	384	490	e620	418	618	360	67	131	72	42	61
23	82	384	472	e640	566	608	358	73	131	91	40	60
24	229	391	468	661	544	599	364	64	131	79	39	60
25	286	380	468	669	502	592	253	61	96	72	38	58
26	466	378	462	669	546	587	146	58	82	71	70	60
27	585	375	467	628	600	582	145	56	83	70	77	60
28	682	374	465	579	598	578	144	104	96	70	63	58
29	886	372	464	652	---	576	145	453	307	70	50	58
30	1,050	334	463	929	---	575	144	712	491	70	54	56
31	1,080	---	461	1,240	---	574	---	761	---	69	56	---
<b>Total</b>	6,481	19,024	13,229	17,800	20,719	18,555	15,562	5,494	16,567	4,978	1,832	1,943
<b>Mean</b>	209	634	427	574	740	599	519	177	552	161	59.1	64.8
<b>Max</b>	1,080	1,160	490	1,240	1,050	655	1,040	761	1,020	500	77	84
<b>Min</b>	39	334	244	444	337	541	144	56	82	49	38	56

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	221	396	523	548	531	683	627	316	208	121	111	152
<b>Max</b>	767	997	997	1,120	989	1,358	1,305	1,152	852	729	540	735
<b>(WY)</b>	(2007)	(1986)	(1951)	(1998)	(1990)	(1976)	(1947)	(2011)	(1986)	(1986)	(1977)	(2004)
<b>Min</b>	8.12	5.69	6.38	36.3	195	282	53.1	58.5	15.1	8.55	7.44	17.8
<b>(WY)</b>	(1964)	(1961)	(1961)	(1961)	(1963)	(1983)	(1946)	(1941)	(1954)	(1954)	(1954)	(1941)

03014500 CHADAKOIN RIVER AT FALCONER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1935 - 2013	
<b>Annual total</b>	118,020		142,184			
<b>Annual mean</b>	322		390		370	
<b>Highest annual mean</b>					584	2011
<b>Lowest annual mean</b>					222	1999
<b>Highest daily mean</b>	1,160	Nov 2	1,240	Jan 31	2,020	Mar 6, 1976
<b>Lowest daily mean</b>	39	Oct 11	38	Aug 25	3.0	Nov 20, 1960
<b>Annual seven-day minimum</b>	41	Oct 8	41	Oct 8	3.7	Nov 18, 1960
<b>10 percent exceeds</b>	798		882		841	
<b>50 percent exceeds</b>	88		387		297	
<b>90 percent exceeds</b>	51		56		40	

