

Water-Data Report 2013

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY

Upper Hudson Basin
Mohawk Subbasin

LOCATION.--Lat 43°00'53", long 74°46'46" referenced to North American Datum of 1983, Herkimer County, NY, Hydrologic Unit 02020004, on left bank 1,800 ft downstream from Fivemile Dam, 2.0 mi upstream from East Canada Creek, and 4.5 mi southeast of city of Little Falls.

DRAINAGE AREA.--1,342 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1927 to current year.

REVISED RECORDS.--WSP 741: 1929(M). WSP 1302: 1932(M). WSP 1432: 1928-30. WDR NY-85-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 308.84 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair. Prior to October 1998, records of daily discharge include diversion at Fivemile Dam into Erie (Barge) Canal for lockages at Lock 16, near St. Johnsville. During canal navigation season, water is received from Black River basin through Black River Canal flowing south, and from Chenango River basin through Oriskany Creek feeder. Water is diverted into (or may occasionally be received from) Oswego River basin through summit level of Erie (Barge) Canal between New London and Utica. Diurnal fluctuation caused by powerplants and locks and dams on Erie (Barge) Canal. Regulation by Delta (01335900) and Hinckley (01343900) Reservoirs (combined usable capacity, 6,120 mil ft³). Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,000 ft³/s, June 28, 2006, gage height, 19.72 ft; minimum discharge (river channel only), 214 ft³/s, Aug. 18, 1949, gage height, 3.75 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge (since at least 1898) prior to regulation by Hinckley Reservoir, 34,800 ft³/s, Mar. 27, 1913 (from report by R. E. Horton, 1913), at site 01346500 "at Little Falls" (drainage area, 1,290 mi²).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,900 ft³/s, June 28, gage height, 18.22 ft, outside gage height was 18.44 ft, from crest-stage gage; minimum discharge, 619 ft³/s, Aug. 16, gage height, 4.84 ft.

01347000 MOHAWK RIVER NEAR LITTLE FALLS, 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	945	1,390	1,060	2,250	e4,790	3,290	2,440	3,410	2,430	13,200	1,560	1,080
2	939	1,700	1,130	2,240	e3,740	2,630	3,210	3,130	3,150	17,800	1,810	1,340
3	1,020	1,700	2,530	e2,180	e3,890	2,150	3,450	2,680	2,500	16,900	1,670	2,650
4	1,110	1,680	3,310	e2,230	e3,900	1,880	2,780	2,680	2,400	14,100	1,570	1,650
5	1,090	1,640	2,630	2,300	e3,800	1,660	2,830	2,580	2,680	11,400	1,360	1,280
6	1,090	1,580	3,230	2,120	e3,570	1,720	2,790	2,480	2,830	9,630	1,270	1,090
7	1,160	1,460	2,460	2,180	3,210	1,700	2,590	2,450	4,330	8,540	1,230	1,090
8	1,210	1,500	2,190	2,090	3,100	1,720	2,330	2,580	4,040	11,400	1,230	953
9	1,200	1,470	2,130	2,060	3,350	1,640	3,250	2,480	3,240	9,730	1,160	983
10	1,180	1,450	3,680	2,080	3,440	1,940	5,640	2,060	2,970	8,280	1,270	1,240
11	1,180	1,400	5,790	2,110	3,310	2,640	8,350	2,120	8,970	5,370	1,110	1,350
12	1,360	1,510	4,060	2,310	3,180	6,910	8,900	2,310	7,390	5,400	1,050	3,320
13	1,360	1,970	2,970	e2,920	2,680	8,080	9,080	2,280	11,100	4,550	1,280	2,550
14	2,430	2,290	2,480	e4,000	2,580	6,280	7,910	1,990	11,900	3,740	1,530	1,440
15	3,100	1,930	2,550	e4,210	2,600	4,440	6,780	1,870	9,380	3,460	1,220	1,190
16	1,990	1,820	2,490	3,960	2,540	3,640	5,700	1,750	7,520	3,200	1,000	1,160
17	1,540	1,480	2,790	3,150	2,330	3,200	5,750	1,570	4,740	2,850	996	1,270
18	1,390	1,470	5,380	2,740	2,360	2,910	5,270	1,480	5,460	2,790	960	1,130
19	2,470	1,510	5,700	2,480	2,170	2,840	4,650	1,500	4,550	2,840	937	1,130
20	3,290	1,510	4,560	2,450	2,140	2,710	8,730	1,400	3,500	2,330	923	1,230
21	2,620	1,460	7,020	2,340	2,150	2,590	10,300	1,490	3,070	2,030	928	1,210
22	2,010	1,430	7,330	2,180	2,400	2,730	7,210	2,960	3,070	1,790	961	1,330
23	1,800	1,410	6,110	e2,000	2,150	2,720	5,000	2,410	4,190	3,500	979	1,390
24	1,570	1,440	4,800	e1,860	2,120	2,640	4,220	2,440	4,780	2,230	907	1,260
25	1,730	1,420	3,870	e1,910	2,260	2,720	4,510	3,320	4,240	1,790	838	1,180
26	2,250	1,410	3,010	e2,220	2,150	2,860	5,140	3,250	9,270	1,380	875	1,150
27	2,060	1,440	2,830	e2,140	2,310	2,560	4,560	2,420	7,330	1,340	932	1,060
28	1,570	1,430	2,870	e1,980	3,220	2,800	3,800	1,910	20,500	1,430	985	997
29	2,100	1,350	2,530	e2,010	---	2,820	3,420	2,990	14,000	2,030	965	892
30	1,560	1,270	2,520	e2,880	---	2,790	3,620	6,090	14,300	1,830	980	938
31	1,590	---	2,650	e8,080	---	2,970	---	4,150	---	1,430	1,050	---
Total	51,914	46,520	108,660	81,660	81,440	94,180	154,210	78,230	189,830	178,290	35,536	40,533
Mean	1,675	1,551	3,505	2,634	2,909	3,038	5,140	2,524	6,328	5,751	1,146	1,351
Max	3,290	2,290	7,330	8,080	4,790	8,080	10,300	6,090	20,500	17,800	1,810	3,320
Min	939	1,270	1,060	1,860	2,120	1,640	2,330	1,400	2,400	1,340	838	892

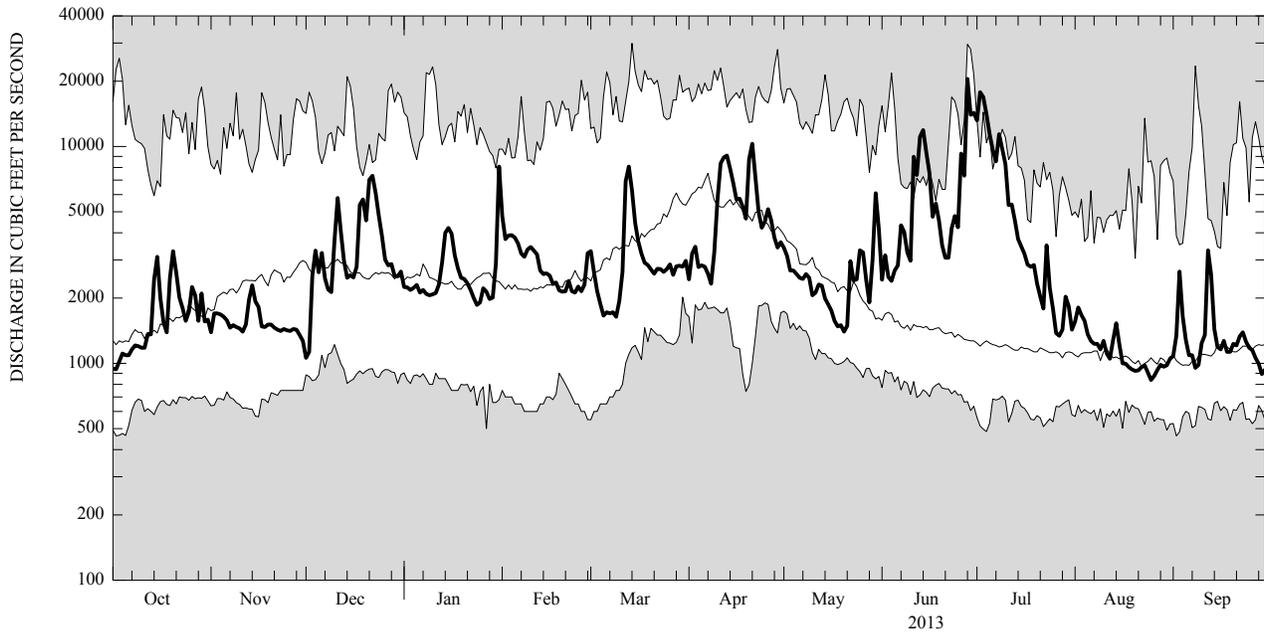
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,055	2,897	3,238	3,121	2,929	4,807	6,000	3,318	2,009	1,556	1,268	1,450
Max	6,529	5,913	6,673	6,825	6,759	9,558	13,160	7,879	6,328	5,751	3,059	4,831
(WY)	(1946)	(2007)	(1997)	(1998)	(1976)	(1945)	(1993)	(1943)	(2013)	(2013)	(2004)	(2011)
Min	719	750	1,061	820	679	1,693	2,035	1,334	900	685	642	684
(WY)	(1965)	(1931)	(1931)	(1931)	(1931)	(1940)	(2012)	(1995)	(1999)	(1934)	(1934)	(1939)

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1928 - 2013	
Annual total	820,461		1,141,003			
Annual mean	2,242		3,126		2,885	
Highest annual mean					4,208	1976
Lowest annual mean					1,684	1931
Highest daily mean	10,100	May 8	20,500	Jun 28	29,900	Mar 14, 1977
Lowest daily mean	656	Jul 23	838	Aug 25	463	Sep 2, 1934
Annual seven-day minimum	770	Sep 11	916	Aug 20	489	Sep 30, 2007
10 percent exceeds	4,140		6,100		5,990	
50 percent exceeds	1,840		2,400		2,000	
90 percent exceeds	862		1,130		923	



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.