

Water-Data Report 2010

01347000 MOHAWK RIVER NEAR LITTLE FALLS, NY

Upper Hudson Basin
Mohawk Subbasin

LOCATION.--Lat 43°00'53", long 74°46'47" referenced to North American Datum of 1927, 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 good. 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 and telephone 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, 17,800 ft³/s, Aug. 23, gage height, 14.16 ft; minimum discharge, 468 ft³/s, Apr. 21, gage height, 4.51 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,100	4,380	2,550	2,220	2,350	1,720	7,720	1,740	1,110	4,420	1,200	1,510
2	1,760	3,760	3,760	2,120	2,200	1,840	6,450	1,700	1,100	2,630	1,120	1,410
3	2,330	3,580	3,230	1,860	2,170	2,000	5,700	1,720	1,050	1,980	1,120	1,550
4	2,190	2,960	3,290	2,050	2,110	2,080	5,230	1,840	1,100	1,560	1,390	1,690
5	1,740	2,680	2,540	2,050	1,990	1,990	4,560	1,940	1,640	1,340	1,500	1,700
6	1,560	2,800	2,300	1,990	2,040	1,900	4,060	2,100	1,950	1,140	1,790	1,670
7	3,160	2,650	2,080	1,950	2,280	1,970	3,610	2,150	1,880	1,110	1,430	1,600
8	4,100	2,400	2,100	1,980	1,950	2,250	3,130	2,580	1,340	1,100	1,270	1,690
9	2,580	2,320	2,090	2,230	1,840	2,620	2,940	3,170	1,150	1,140	1,250	1,800
10	2,270	2,200	2,500	2,340	1,860	3,010	2,950	2,680	1,230	1,260	1,390	1,940
11	2,090	2,390	2,700	1,990	1,960	3,830	2,650	2,050	1,200	1,130	1,390	1,740
12	1,830	2,510	2,920	1,950	1,790	5,710	2,300	1,920	1,240	1,050	1,290	1,680
13	1,900	2,540	2,260	1,910	1,720	7,400	2,250	1,850	2,750	1,090	1,220	1,630
14	1,930	2,410	2,430	1,840	1,680	8,210	2,140	2,770	2,090	985	1,220	1,490
15	1,810	2,510	3,310	1,770	1,680	8,940	2,070	2,710	1,620	1,080	1,200	1,410
16	1,770	2,500	4,030	1,780	1,710	7,770	2,180	1,940	1,340	1,020	1,520	1,370
17	1,690	2,380	3,050	1,810	1,720	6,280	4,420	1,710	2,670	1,220	1,550	1,740
18	1,660	2,320	2,580	1,870	1,700	5,230	3,770	1,560	2,340	1,450	1,250	1,610
19	1,640	2,330	e2,510	1,960	1,650	4,800	2,930	1,590	1,620	1,280	1,300	1,440
20	1,560	4,340	e2,240	1,980	1,610	4,530	2,530	1,550	1,390	1,240	1,320	1,360
21	1,630	3,910	e2,050	1,910	1,580	3,880	1,610	1,380	1,250	1,160	1,270	1,410
22	1,770	3,050	e1,990	1,800	1,550	3,770	1,460	1,190	1,150	1,120	4,760	1,380
23	1,730	2,740	1,820	1,620	1,600	9,930	2,000	1,150	2,210	2,140	13,500	1,210
24	3,300	2,600	1,890	1,610	1,680	7,550	1,940	1,200	2,040	6,600	8,470	1,180
25	4,410	2,200	1,880	5,380	1,710	5,790	1,900	1,130	1,540	6,100	8,590	1,170
26	3,050	2,020	2,040	9,380	1,640	5,140	1,940	1,070	1,450	3,840	7,280	1,120
27	2,410	2,020	3,840	7,890	1,700	4,350	1,940	1,110	1,290	2,290	3,720	1,170
28	7,010	2,360	4,160	5,690	1,790	3,740	1,850	949	2,880	1,710	2,560	1,270
29	7,930	2,180	2,910	3,610	---	4,210	1,800	876	6,680	1,780	1,920	1,310
30	5,330	2,260	2,550	3,450	---	5,870	1,710	956	6,500	1,640	1,710	3,380
31	3,930	---	2,310	2,910	---	10,700	---	898	---	1,410	1,600	---
Total	84,170	81,300	81,910	84,900	51,260	149,010	91,740	53,179	58,800	59,015	82,100	46,630
Mean	2,715	2,710	2,642	2,739	1,831	4,807	3,058	1,715	1,960	1,904	2,648	1,554
Max	7,930	4,380	4,160	9,380	2,350	10,700	7,720	3,170	6,680	6,600	13,500	3,380
Min	1,560	2,020	1,820	1,610	1,550	1,720	1,460	876	1,050	985	1,120	1,120

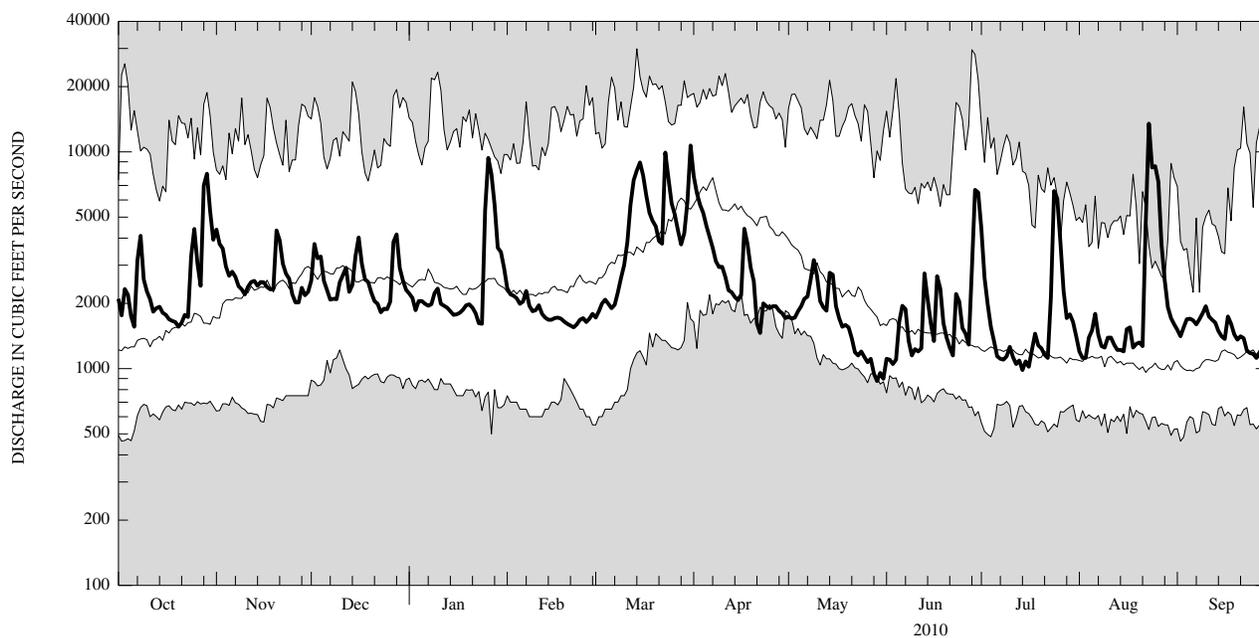
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,999	2,894	3,217	3,132	2,941	4,826	6,018	3,305	1,957	1,514	1,266	1,418
Max	6,529	5,913	6,673	6,825	6,759	9,558	13,160	7,879	6,306	4,527	3,059	4,361
(WY)	(1946)	(2007)	(1997)	(1998)	(1976)	(1945)	(1993)	(1943)	(1972)	(2006)	(2004)	(1977)
Min	719	750	1,061	820	679	1,693	2,289	1,334	900	685	642	684
(WY)	(1965)	(1931)	(1931)	(1931)	(1931)	(1940)	(1995)	(1995)	(1999)	(1934)	(1934)	(1939)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1928 - 2010	
Annual total	1,031,940		924,014			
Annual mean	2,827		2,532		2,871	
Highest annual mean					4,208	1976
Lowest annual mean					1,684	1931
Highest daily mean	14,800	Mar 9	13,500	Aug 23	29,900	Mar 14, 1977
Lowest daily mean	1,030	Jul 22	876	May 29	463	Sep 2, 1934
Annual seven-day minimum	1,110	Jul 18	991	May 28	489	Sep 30, 2007
10 percent exceeds	4,780		4,460		5,990	
50 percent exceeds	2,270		1,950		2,000	
90 percent exceeds	1,240		1,200		919	



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.