



Water-Data Report 2007

01343900 HINCKLEY RESERVOIR AT HINCKLEY, NY

Upper Hudson Basin
Mohawk Subbasin

LOCATION.--Lat 43°18'41", long 75°06'30" referenced to North American Datum of 1927, Oneida County, NY, Hydrologic Unit 02020004, on south side of north gatehouse at Hinckley Dam on West Canada Creek at Hinckley, and 2.2 mi east of Prospect.

DRAINAGE AREA.--372 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1914 to current year.

REVISED RECORDS.--WDR NY-85-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is Barge Canal datum.

REMARKS.--Reservoir is formed by earth and concrete dam; storage began March 1914. Usable capacity 3,320 mil ft³ between elevation 1,173.5 and 1,225.0 ft. Elevation of inverts of four 60-inch discharge pipes at north end of spillway is 1,169.5 ft, and elevation of inverts of two 42-inch pipes at south end for diverting water to city of Utica is 1,164.25 ft. Crest of Ogee spillway is at elevation 1,225.0 ft. Diversion for municipal supply of Utica began prior to 1921. Length of spillway is 400 ft. Area of water surface at crest elevation is 4.46 mi². Elevation at 0000 hours on first day of following month. Diversion records (01343899) provided by Mohawk Valley Water Authority. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 4,041 mil ft³, Oct. 2, 1945, elevation, 1,230.2 ft; minimum contents observed (after initial filling), not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,734 mil ft³, Apr. 25, elevation, 1,228.1 ft; minimum contents, 471 mil ft³, Sept. 26, 27, elevation, 1,188.9 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

| Date | Elevation (feet) * | Contents (million gallons) | Change in contents (equivalent in ft ³ /s) | 01343899 Monthly Diversion (in ft ³ /s) |
|--------------------|--------------------|----------------------------|---|--|
| Sept. 30 | 1,212.0 | 1,996 | | |
| Oct. 31 | 1,226.0 | 3,450 | +543 | 29.1 |
| Nov. 30 | 1,221.6 | 2,926 | -202 | 29.2 |
| Dec. 31 | 1,224.0 | 3,200 | +102 | 29.1 |
| CAL YR 2006 | -- | -- | +8.34 | 29.7 |
| Jan. 31 | 1,216.5 | 2,400 | -299 | 29.4 |
| Feb. 28 | 1,200.2 | 1,110 | -533 | 30.9 |
| Mar. 31 | 1,217.2 | 2,470 | +508 | 32.3 |
| Apr. 30 | 1,225.9 | 3,437 | +373 | 30.0 |
| May 31 | 1,222.6 | 3,039 | -149 | 30.0 |
| June 30 | 1,215.4 | 2,296 | -287 | 33.3 |
| July 31 | 1,209.5 | 1,790 | -189 | 32.3 |
| Aug. 31 | 1,197.7 | 948 | -314 | 32.2 |
| Sept. 30 | 1,190.0 | 525 | -163 | 32.0 |
| WTR YR 2007 | -- | -- | -46.6 | 30.8 |

* Elevation at 0000 hours on first day of following month.