



Water-Data Report 2006

**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 mi<sup>2</sup>.

**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 ft<sup>3</sup> 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 mi<sup>2</sup>. 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 ft<sup>3</sup>, Oct. 2, 1945, elevation, 1,230.2 ft; minimum contents observed (after initial filling), not determined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,980 mil ft<sup>3</sup>, June 28, 29, elevation, 1,229.8 ft; minimum contents, 1,298 mil ft<sup>3</sup>, Mar. 10, 11, elevation, 1,203.0 ft.

**MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION**

**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft <sup>3</sup> /s)	01343899 Monthly Diversion (in ft <sup>3</sup> /s)
<b>Sept. 30</b>	1,210.8	1,894		
<b>Oct. 31</b>	1,223.0	3,085	+445	29.2
<b>Nov. 30</b>	1,226.1	3,463	+146	29.9
<b>Dec. 31</b>	1,221.7	2,937	-196	29.4
<b>CAL YR 2005</b>	--	--	-6.50	31.2
<b>Jan. 31</b>	1,222.8	3,062	+46.7	30.5
<b>Feb. 28</b>	1,213.5	2,128	-386	30.6
<b>Mar. 31</b>	1,214.3	2,199	+26.5	30.3
<b>Apr. 30</b>	1,223.7	3,165	+373	29.9
<b>May 31</b>	1,222.4	3,016	-55.6	29.4
<b>June 30</b>	1,226.7	3,544	+204	29.1
<b>July 31</b>	1,223.5	3,142	-150	30.5
<b>Aug. 31</b>	1,215.0	2,260	-329	29.1
<b>Sept. 30</b>	1,212.0	1,996	-102	29.7
<b>WTR YR 2006</b>	--	--	+3.24	29.7

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