



Water-Data Report 2011

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. Prior to October 2007, published month-end contents only. In 2008 water year, daily values for April 1996 through September 2008 published.

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

GAGE.--Water-stage recorder. Datum of gage is Barge Canal datum. To convert elevations to NGVD of 1929, subtract 1.04 ft.

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. Length of spillway is 400 ft. Area of water surface at crest elevation is 4.46 mi². Diversion for municipal supply of Utica began prior to 1921. Diversion records (01343899) provided by Mohawk Valley Water Authority. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,124 mil ft³, Apr. 28, 2011, elevation, 1,230.74 ft; minimum contents observed, 25 mil ft³, Nov. 17, 1964, elevation, 1,174.9 ft (from Report to the Governor by the Hinckley Reservoir Working Group, 2008).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,124 mil ft³, Apr. 28, elevation, 1,230.74 ft; minimum contents, 435 mil ft³, Mar. 1, elevation, 1,188.13 ft.

Capacity table
(elevation, in feet, and contents in millions of cubic feet)

1,173.5	0.00	1,205.0	1,440
1,175.0	27.0	1,215.0	2,260
1,185.0	306	1,225.0	3,320
1,195.0	787	1,230.0	4,010

01343900 HINCKLEY RESERVOIR AT HINCKLEY, NY—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,220.01	1,225.15	1,224.01	1,218.14	1,199.62	1,188.22	1,214.10	1,226.17	1,225.17	1,225.94	1,217.26	1,217.95
2	1,226.28	1,225.00	1,226.14	1,217.66	1,198.98	1,188.92	1,213.66	1,225.56	1,224.67	1,225.56	1,217.00	1,217.94
3	1,226.68	1,224.82	1,226.56	1,217.28	1,198.30	1,189.57	1,213.29	1,225.19	1,224.18	1,225.32	1,216.74	1,217.77
4	1,226.10	1,224.63	1,226.10	1,216.88	1,197.62	1,189.87	1,213.05	1,225.59	1,224.05	1,225.17	1,216.42	1,217.53
5	1,225.77	1,224.52	1,225.69	1,216.41	1,197.05	1,189.94	1,213.61	1,226.12	1,223.95	1,225.06	1,216.12	1,217.37
6	1,225.74	1,224.52	1,225.41	1,215.87	1,196.53	1,190.88	1,215.50	1,225.83	1,223.82	1,224.91	1,215.83	1,219.18
7	1,226.40	1,224.46	1,225.18	1,215.31	1,195.98	1,196.34	1,216.66	1,225.68	1,223.67	1,224.75	1,215.62	1,220.57
8	1,226.63	1,224.30	1,225.01	1,214.79	1,195.47	1,200.52	1,217.28	1,225.50	1,223.50	1,224.57	1,215.51	1,223.96
9	1,226.15	1,224.11	1,224.78	1,214.23	1,194.89	1,203.40	1,217.75	1,225.32	1,223.31	1,224.34	1,215.42	1,226.43
10	1,225.71	1,223.91	1,224.46	1,213.65	1,194.30	1,205.40	1,218.46	1,225.15	1,223.08	1,224.10	1,215.57	1,226.34
11	1,225.41	1,223.68	1,224.15	1,213.03	1,193.69	1,206.74	1,219.92	1,224.98	1,222.88	1,223.85	1,215.85	1,225.84
12	1,225.19	1,223.41	1,223.88	1,212.43	1,193.17	1,208.83	1,223.63	1,224.79	1,222.77	1,223.60	1,215.87	1,225.49
13	1,225.01	1,223.09	1,224.03	1,211.74	1,192.64	1,210.96	1,226.72	1,224.63	1,222.72	1,223.33	1,215.80	1,225.27
14	1,224.79	1,222.75	1,224.62	1,211.08	1,192.06	1,212.33	1,227.13	1,224.48	1,222.65	1,223.03	1,215.65	1,225.10
15	1,224.61	1,222.40	1,224.77	1,210.45	1,191.45	1,213.04	1,226.99	1,224.45	1,222.52	1,222.71	1,215.50	1,224.99
16	1,224.77	1,222.04	1,224.70	1,209.85	1,190.69	1,213.39	1,226.65	1,224.89	1,222.35	1,222.38	1,215.67	1,224.86
17	1,225.12	1,221.79	1,224.56	1,209.17	1,189.52	1,213.34	1,226.56	1,225.38	1,222.16	1,222.04	1,216.30	1,224.61
18	1,225.20	1,222.05	1,224.37	1,208.47	1,188.87	1,213.46	1,226.75	1,225.45	1,221.98	1,221.70	1,216.55	1,224.30
19	1,225.12	1,222.40	1,224.11	1,207.85	1,188.59	1,214.36	1,226.39	1,225.42	1,221.79	1,221.38	1,216.55	1,223.94
20	1,224.97	1,222.46	1,223.79	1,207.21	1,188.50	1,215.74	1,226.27	1,225.56	1,221.57	1,221.05	1,216.40	1,223.61
21	1,224.82	1,222.37	1,223.46	1,206.61	1,188.49	1,216.67	1,226.71	1,225.95	1,221.32	1,220.69	1,216.19	1,223.34
22	1,224.81	1,222.20	1,223.10	1,206.04	1,188.46	1,217.04	1,226.46	1,226.05	1,221.14	1,220.34	1,215.99	1,223.07
23	1,224.82	1,222.45	1,222.71	1,205.43	1,188.39	1,217.22	1,226.18	1,225.88	1,221.38	1,219.99	1,215.78	1,222.97
24	1,224.78	1,223.32	1,222.30	1,204.82	1,188.34	1,217.21	1,226.34	1,225.76	1,221.73	1,219.63	1,215.53	1,222.94
25	1,224.75	1,223.81	1,221.85	1,204.20	1,188.33	1,217.05	1,226.44	1,225.67	1,223.24	1,219.29	1,215.28	1,222.99
26	1,224.82	1,224.01	1,221.37	1,203.49	1,188.33	1,216.73	1,227.48	1,225.35	1,225.55	1,219.01	1,214.91	1,222.87
27	1,225.21	1,224.21	1,220.86	1,202.76	1,188.33	1,216.35	1,228.69	1,224.76	1,225.96	1,218.71	1,213.47	1,222.64
28	1,225.65	1,224.26	1,220.30	1,202.11	1,188.27	1,215.93	1,229.61	1,225.36	1,225.76	1,218.40	1,212.08	1,222.45
29	1,225.59	1,224.19	1,219.74	1,201.53	---	1,215.50	1,229.19	1,225.87	1,226.19	1,218.08	1,214.72	1,222.31
30	1,225.46	1,224.07	1,219.19	1,200.95	---	1,215.03	1,227.24	1,225.83	1,226.33	1,217.76	1,216.88	1,222.49
31	1,225.31	---	1,218.66	1,200.29	---	1,214.56	---	1,225.59	---	1,217.51	1,217.66	---
Mean	1,225.21	1,223.55	1,223.54	1,209.67	1,192.32	1,207.89	1,222.82	1,225.43	1,223.38	1,222.07	1,215.81	1,222.70
Max	1,226.68	1,225.15	1,226.56	1,218.14	1,199.62	1,217.22	1,229.61	1,226.17	1,226.33	1,225.94	1,217.66	1,226.43
Min	1,220.01	1,221.79	1,218.66	1,200.29	1,188.27	1,188.22	1,213.05	1,224.45	1,221.14	1,217.51	1,212.08	1,217.37
†	3,350	3,196	2,590	1,094	436	2,202	3,532	3,377	3,473	2,488	2,536	3,046
††	+395	-59.4	-226	-558	-272	+659	+513	-57.9	+37.0	-368	+17.9	+197
†††	28.6	28.8	28.6	30.0	30.9	31.1	30.5	29.6	31.9	34.7	33.3	33.4

	Calendar Year 2010	Water Year 2011
Mean	1,217.52	1,218.02
Max	1,226.68	1,229.61
Min	1,187.54	1,188.22
††	+7.96	+23.9
†††	29.4	30.9

† Contents, in million of cubic feet, at 2400 hours on last day of month.

†† Change in contents, equivalent in cubic feet per second.

††† Diversion (01343899), in cubic feet per second.

01343900 HINCKLEY RESERVOIR AT HINCKLEY, NY—Continued

