# 04253400 FIRST LAKE AT OLD FORGE, NY

Northeastern Lake Ontario Basin
Black Subbasin

LOCATION.--Lat 43°42′44″, long 74°58′12″ referenced to North American Datum of 1927, Herkimer County, NY, Hydrologic Unit 04150101, at dam on Middle Branch Moose River, 100 ft upstream from bridge on State Highway 28 at Old Forge, and 11.2 mi downstream from dam on Sixth Lake outlet at Inlet.

DRAINAGE AREA.--53.6 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1969 to September 2003 (monthly contents only). October 2003 to current year. Prior to October 1971, published as "Old Forge Reservoir". Records from November 1911 to September 1969, available from Board of Hudson River-Black River Regulating District.

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

GAGE.--Water-stage recorder and nonrecording gage read once daily. Datum of gage is NGVD of 1929 (levels by Board of Hudson River-Black River Regulating District). Prior to 2004 water year, only nonrecording gage read once daily.

COOPERATION.--Records provided by Board of Hudson River-Black River Regulating District.

REMARKS.--The First through Fifth Lakes of Fulton Chain Lakes are partially formed and controlled by a concrete dam with 12-inch flashboards. Storage began around 1881 or 1882 with a wooden crib dam. This dam was replaced with a concrete dam in 1905 and gates were installed in 1927. Usable capacity with flashboards, 895.6 mil $ft^3$, elevation, 1,707.0 ft. Usable capacity without flashboards, 764.3 mil $ft^3$, elevation, 1,706.1 ft; no dead storage below minimum operating level. The dam and the telephone gage-height telemeter operated by Board of Hudson River-Black River Regulating District.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,707.9 ft, June 17, 1972, contents, 1,019 mil $ft^3$; minimum elevation observed, 1,699.8 ft, Nov. 3, 1939, contents, 6.50 mil $ft^3$.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,706.99 ft, July 21, contents, 888.8 mil $ft^3$; minimum elevation, 1,703.37 ft, Feb. 28, contents, 419.6 mil $ft^3$.

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

| | | | |
|---|---|---|---|
| 1,699.4 | 0.63 | 1,704.0 | 498 |
| 1,700.0 | 21.2 | 1,706.0 | 757 |
| 1,702.0 | 252 | 1,707.9 | 1,015 |

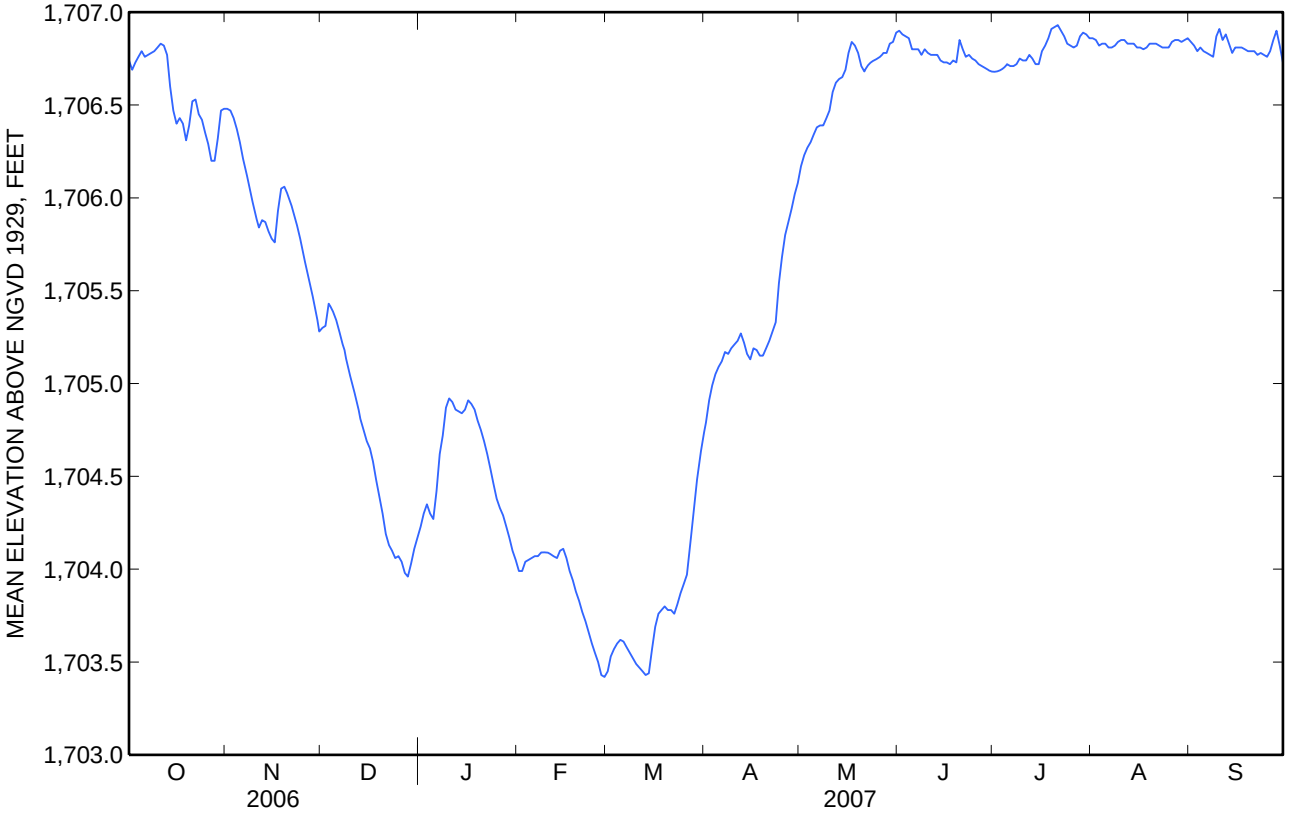
**04253400 FIRST LAKE AT OLD FORGE, NY—Continued**

**ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**
**DAILY MEAN VALUES**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1,706.74 | 1,706.48 | 1,705.30 | 1,704.23 | 1,703.99 | 1,703.45 | 1,704.79 | 1,706.17 | 1,706.90 | 1,706.68 | 1,706.86 | 1,706.84 |
| 2 | 1,706.69 | 1,706.47 | 1,705.31 | 1,704.30 | 1,703.99 | 1,703.53 | 1,704.91 | 1,706.23 | 1,706.88 | 1,706.68 | 1,706.85 | 1,706.82 |
| 3 | 1,706.73 | 1,706.43 | 1,705.43 | 1,704.35 | 1,704.04 | 1,703.57 | 1,704.99 | 1,706.27 | 1,706.87 | 1,706.69 | 1,706.82 | 1,706.79 |
| 4 | 1,706.76 | 1,706.37 | 1,705.40 | 1,704.30 | 1,704.05 | 1,703.60 | 1,705.05 | 1,706.30 | 1,706.86 | 1,706.70 | 1,706.83 | 1,706.81 |
| 5 | 1,706.79 | 1,706.30 | 1,705.36 | 1,704.27 | 1,704.06 | 1,703.62 | 1,705.09 | 1,706.34 | 1,706.80 | 1,706.72 | 1,706.83 | 1,706.79 |
| 6 | 1,706.76 | 1,706.21 | 1,705.30 | 1,704.42 | 1,704.07 | 1,703.61 | 1,705.12 | 1,706.38 | 1,706.80 | 1,706.71 | 1,706.81 | 1,706.78 |
| 7 | 1,706.77 | 1,706.13 | 1,705.24 | 1,704.62 | 1,704.07 | 1,703.58 | 1,705.17 | 1,706.39 | 1,706.80 | 1,706.71 | 1,706.81 | 1,706.77 |
| 8 | 1,706.78 | 1,706.06 | 1,705.18 | 1,704.72 | 1,704.09 | 1,703.55 | 1,705.16 | 1,706.39 | 1,706.77 | 1,706.72 | 1,706.82 | 1,706.76 |
| 9 | 1,706.79 | 1,705.98 | 1,705.09 | 1,704.87 | 1,704.09 | 1,703.52 | 1,705.19 | 1,706.43 | 1,706.80 | 1,706.75 | 1,706.84 | 1,706.87 |
| 10 | 1,706.81 | 1,705.90 | 1,705.03 | 1,704.92 | 1,704.09 | 1,703.49 | 1,705.21 | 1,706.47 | 1,706.78 | 1,706.74 | 1,706.85 | 1,706.91 |
| 11 | 1,706.83 | 1,705.84 | 1,704.96 | 1,704.90 | 1,704.08 | 1,703.47 | 1,705.23 | 1,706.57 | 1,706.77 | 1,706.74 | 1,706.85 | 1,706.85 |
| 12 | 1,706.82 | 1,705.88 | 1,704.89 | 1,704.86 | 1,704.07 | 1,703.45 | 1,705.27 | 1,706.62 | 1,706.77 | 1,706.77 | 1,706.83 | 1,706.88 |
| 13 | 1,706.77 | 1,705.87 | 1,704.81 | 1,704.85 | 1,704.06 | 1,703.43 | 1,705.22 | 1,706.64 | 1,706.77 | 1,706.75 | 1,706.83 | 1,706.83 |
| 14 | 1,706.60 | 1,705.82 | 1,704.75 | 1,704.84 | 1,704.10 | 1,703.44 | 1,705.16 | 1,706.65 | 1,706.74 | 1,706.72 | 1,706.83 | 1,706.78 |
| 15 | 1,706.47 | 1,705.78 | 1,704.69 | 1,704.86 | 1,704.11 | 1,703.57 | 1,705.13 | 1,706.69 | 1,706.73 | 1,706.72 | 1,706.81 | 1,706.81 |
| 16 | 1,706.40 | 1,705.76 | 1,704.65 | 1,704.91 | 1,704.06 | 1,703.69 | 1,705.19 | 1,706.78 | 1,706.73 | 1,706.79 | 1,706.81 | 1,706.81 |
| 17 | 1,706.43 | 1,705.93 | 1,704.58 | 1,704.89 | 1,703.99 | 1,703.76 | 1,705.18 | 1,706.84 | 1,706.72 | 1,706.82 | 1,706.80 | 1,706.81 |
| 18 | 1,706.40 | 1,706.05 | 1,704.48 | 1,704.86 | 1,703.94 | 1,703.78 | 1,705.15 | 1,706.82 | 1,706.74 | 1,706.86 | 1,706.81 | 1,706.80 |
| 19 | 1,706.31 | 1,706.06 | 1,704.39 | 1,704.80 | 1,703.88 | 1,703.80 | 1,705.15 | 1,706.78 | 1,706.73 | 1,706.91 | 1,706.83 | 1,706.79 |
| 20 | 1,706.39 | 1,706.02 | 1,704.30 | 1,704.75 | 1,703.83 | 1,703.78 | 1,705.19 | 1,706.71 | 1,706.85 | 1,706.92 | 1,706.83 | 1,706.79 |
| 21 | 1,706.52 | 1,705.97 | 1,704.19 | 1,704.69 | 1,703.77 | 1,703.78 | 1,705.23 | 1,706.68 | 1,706.80 | 1,706.93 | 1,706.83 | 1,706.79 |
| 22 | 1,706.53 | 1,705.92 | 1,704.13 | 1,704.62 | 1,703.72 | 1,703.76 | 1,705.28 | 1,706.71 | 1,706.76 | 1,706.90 | 1,706.82 | 1,706.77 |
| 23 | 1,706.45 | 1,705.85 | 1,704.10 | 1,704.54 | 1,703.66 | 1,703.81 | 1,705.33 | 1,706.73 | 1,706.77 | 1,706.87 | 1,706.81 | 1,706.78 |
| 24 | 1,706.42 | 1,705.78 | 1,704.06 | 1,704.46 | 1,703.60 | 1,703.87 | 1,705.54 | 1,706.74 | 1,706.75 | 1,706.83 | 1,706.81 | 1,706.77 |
| 25 | 1,706.35 | 1,705.70 | 1,704.07 | 1,704.38 | 1,703.55 | 1,703.92 | 1,705.68 | 1,706.75 | 1,706.74 | 1,706.82 | 1,706.81 | 1,706.76 |
| 26 | 1,706.29 | 1,705.62 | 1,704.04 | 1,704.33 | 1,703.50 | 1,703.97 | 1,705.80 | 1,706.76 | 1,706.72 | 1,706.81 | 1,706.84 | 1,706.79 |
| 27 | 1,706.20 | 1,705.54 | 1,703.98 | 1,704.29 | 1,703.43 | 1,704.12 | 1,705.87 | 1,706.78 | 1,706.71 | 1,706.82 | 1,706.85 | 1,706.85 |
| 28 | 1,706.20 | 1,705.47 | 1,703.96 | 1,704.23 | 1,703.42 | 1,704.30 | 1,705.94 | 1,706.78 | 1,706.70 | 1,706.87 | 1,706.85 | 1,706.90 |
| 29 | 1,706.32 | 1,705.38 | 1,704.03 | 1,704.17 | --- | 1,704.46 | 1,706.02 | 1,706.83 | 1,706.69 | 1,706.89 | 1,706.84 | 1,706.82 |
| 30 | 1,706.47 | 1,705.28 | 1,704.11 | 1,704.10 | --- | 1,704.58 | 1,706.08 | 1,706.84 | 1,706.68 | 1,706.88 | 1,706.85 | 1,706.73 |
| 31 | 1,706.48 | --- | 1,704.17 | 1,704.05 | --- | 1,704.69 | --- | 1,706.89 | --- | 1,706.86 | 1,706.86 | --- |
| Mean | 1,706.56 | 1,705.93 | 1,704.64 | 1,704.56 | 1,703.90 | 1,703.77 | 1,705.31 | 1,706.61 | 1,706.77 | 1,706.79 | 1,706.83 | 1,706.81 |
| Max | 1,706.83 | 1,706.48 | 1,705.43 | 1,704.92 | 1,704.11 | 1,704.69 | 1,706.08 | 1,706.89 | 1,706.90 | 1,706.93 | 1,706.86 | 1,706.91 |
| Min | 1,706.20 | 1,705.28 | 1,703.96 | 1,704.05 | 1,703.42 | 1,703.43 | 1,704.79 | 1,706.17 | 1,706.68 | 1,706.68 | 1,706.80 | 1,706.73 |
| † | 820.1 | 663.1 | 520.8 | 500.6 | 429.2 | 592.9 | 774.9 | 878.0 | 848.4 | 871.5 | 868.8 | 851.0 |
| †† | -18.7 | -60.6 | -53.1 | -7.54 | -29.5 | +61.1 | +70.2 | +38.5 | -11.4 | +8.64 | -1.01 | -6.87 |

| | Calendar Year 2006 | Water Year 2007 |
|---|---|---|
| Mean | 1,705.76 | 1,705.72 |
| Max | 1,707.55 | 1,706.93 |
| Min | 1,703.45 | 1,703.42 |
| †† | -2.12 | -0.61 |

† Contents, in millions of cubic feet, at 2400 hours on last day of month.
†† Change in contents, equivalent in cubic feet per second.

Note: Elevations for Oct. 31 and Nov. 1 are 0800 readings.

**04253400 FIRST LAKE AT OLD FORGE, NY—Continued**