

LAKE WASHINGTON BASIN

1

12116060 CEDAR LAKE (MASONRY POOL) NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°24'43", long 121°45'04", in NE 1/4 NW 1/4 sec.11, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, at Masonry Dam, 1.6 mi southeast of town of Cedar Falls, and at mile 35.6.

DRAINAGE AREA.--78.4 mi².

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Nonrecording gage. Datum of gage is 7.39 ft above NGVD of 1929 (levels by City of Seattle).

REMARKS.--Reservoir is formed by masonry gravity dam. Usable capacity, 40,285 acre-ft between gage heights 1,530.0 ft, normal minimum regulating pool, and 1,554.6 ft, normal maximum regulating pool. Unused storage below gage height 1,530.0 ft, 36,000 acre-ft. Water is used by City of Seattle for municipal water supply and power production.

COOPERATION.--Gage-height record furnished by City of Seattle Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 1,568.53 ft Nov. 25, 1990; minimum not determined (occurred during period Aug. 2 to Sept. 19, 1978, while the pool was drained for maintenance).

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 1,564.00 ft June 6; minimum observed, 1,517.80 ft Oct. 18.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 0800 HOURS

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------|-------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | 1527.38 | 1550.52 | 1547.25 | 1544.71 | 1550.75 | 1553.04 | 1543.32 | 1550.25 | 1562.72 | 1560.47 | 1557.55 | 1552.65 |
| 2 | 1527.02 | 1551.65 | 1546.45 | 1544.72 | 1550.25 | 1552.89 | 1542.15 | 1551.37 | 1563.35 | 1560.47 | 1557.41 | 1552.50 |
| 3 | 1526.51 | 1552.00 | 1546.40 | 1545.12 | 1549.65 | 1552.75 | 1541.65 | 1551.33 | 1563.36 | 1560.56 | 1557.23 | 1552.34 |
| 4 | 1526.22 | 1552.00 | 1546.88 | 1545.85 | 1548.67 | 1552.47 | 1541.19 | 1551.68 | 1562.59 | 1560.67 | 1557.02 | 1552.25 |
| 5 | 1526.40 | 1552.23 | 1547.11 | 1546.35 | 1547.55 | 1552.05 | 1540.82 | 1551.87 | 1563.81 | 1560.78 | 1556.87 | 1552.10 |
| 6 | 1525.95 | 1552.35 | 1547.12 | 1546.45 | 1547.50 | 1551.66 | 1540.64 | 1552.10 | 1564.00 | 1560.84 | 1556.73 | 1551.95 |
| 7 | 1525.33 | 1552.36 | 1546.98 | 1546.75 | 1547.50 | 1550.98 | 1540.57 | 1552.05 | 1563.94 | 1560.93 | 1556.62 | 1551.85 |
| 8 | 1524.80 | 1552.24 | 1546.80 | 1550.57 | 1547.44 | 1549.92 | 1540.83 | 1551.70 | 1563.45 | 1561.07 | 1556.45 | 1551.65 |
| 9 | 1524.25 | 1552.03 | 1546.75 | 1553.82 | 1547.37 | 1547.59 | 1540.38 | 1551.36 | 1562.73 | 1561.16 | 1556.26 | 1551.50 |
| 10 | 1523.67 | 1551.60 | 1546.67 | 1554.62 | 1547.30 | 1545.84 | 1540.21 | 1551.11 | 1561.84 | 1561.07 | 1556.11 | 1551.32 |
| 11 | 1523.07 | 1551.21 | 1546.77 | 1554.77 | 1547.14 | 1544.70 | 1540.37 | 1551.03 | 1561.39 | 1561.29 | 1555.99 | 1551.10 |
| 12 | 1522.70 | 1550.75 | 1547.07 | 1554.66 | 1547.43 | 1546.53 | 1540.95 | 1551.15 | 1561.40 | 1561.29 | 1555.82 | 1550.95 |
| 13 | 1522.45 | 1550.37 | 1548.36 | 1554.90 | 1547.37 | 1547.54 | 1541.83 | 1551.35 | 1561.80 | 1561.23 | 1555.68 | 1550.65 |
| 14 | 1522.43 | 1551.37 | 1550.90 | 1554.94 | 1547.37 | 1547.93 | 1547.70 | 1552.10 | 1562.39 | 1561.23 | 1555.50 | 1550.50 |
| 15 | 1522.50 | 1553.54 | 1550.90 | 1554.50 | 1547.33 | 1548.43 | 1554.43 | 1552.80 | 1563.01 | 1561.17 | 1555.40 | 1550.10 |
| 16 | 1521.30 | 1554.65 | 1554.15 | 1553.09 | 1547.10 | 1548.85 | 1554.99 | 1553.46 | 1563.33 | 1561.07 | 1555.20 | 1550.00 |
| 17 | 1519.10 | 1555.00 | 1556.55 | 1552.20 | 1547.11 | 1549.16 | 1554.90 | 1553.97 | 1563.41 | 1560.95 | 1555.00 | 1549.50 |
| 18 | 1517.80 | 1555.14 | 1557.61 | 1550.87 | 1547.02 | 1549.57 | 1554.46 | 1554.53 | 1563.09 | 1560.80 | 1554.88 | 1549.20 |
| 19 | 1517.85 | 1554.75 | 1557.72 | 1550.46 | 1547.02 | 1550.10 | 1553.40 | 1555.10 | 1562.96 | 1560.60 | 1554.70 | 1549.00 |
| 20 | 1518.05 | 1554.40 | 1557.40 | 1549.73 | 1546.87 | 1550.57 | 1552.51 | 1555.70 | 1562.85 | 1560.37 | 1554.53 | 1548.90 |
| 21 | 1517.95 | 1554.05 | 1556.99 | 1548.45 | 1546.88 | 1550.30 | 1551.00 | 1556.45 | 1562.43 | 1560.17 | 1554.38 | 1548.60 |
| 22 | 1519.50 | 1553.39 | 1556.38 | 1547.35 | 1547.50 | 1548.22 | 1548.49 | 1557.27 | 1562.08 | 1559.95 | 1554.20 | 1548.40 |
| 23 | 1524.90 | 1553.44 | 1555.35 | 1545.55 | 1549.60 | 1548.23 | 1547.21 | 1558.06 | 1561.31 | 1559.74 | 1554.10 | 1548.15 |
| 24 | 1534.55 | 1553.32 | 1554.30 | 1545.73 | 1551.70 | 1544.50 | 1547.24 | 1558.52 | 1560.83 | 1559.53 | 1553.90 | 1548.00 |
| 25 | 1546.65 | 1552.88 | 1553.15 | 1549.31 | 1552.53 | 1543.56 | 1547.65 | 1558.68 | 1560.43 | 1558.78 | 1553.76 | 1547.60 |
| 26 | 1549.85 | 1551.95 | 1552.06 | 1551.07 | 1552.80 | 1543.27 | 1547.38 | 1558.70 | 1560.43 | 1558.95 | 1553.60 | 1547.40 |
| 27 | 1550.23 | 1550.55 | 1550.70 | 1551.40 | 1552.97 | 1543.56 | 1547.21 | 1558.85 | 1560.37 | 1559.10 | 1553.50 | 1547.10 |
| 28 | 1550.30 | 1549.30 | 1549.87 | 1551.49 | 1552.90 | 1544.57 | 1547.30 | 1559.45 | 1560.23 | 1558.60 | 1553.22 | 1546.98 |
| 29 | 1549.88 | 1548.30 | 1547.90 | 1551.55 | --- | 1544.73 | 1548.32 | 1560.45 | 1560.23 | 1558.48 | 1553.13 | 1546.54 |
| 30 | 1549.65 | 1547.80 | 1545.88 | 1551.48 | --- | 1544.12 | 1548.94 | 1561.51 | 1560.23 | 1558.28 | 1552.98 | 1546.31 |
| 31 | 1549.35 | --- | 1544.47 | 1551.40 | --- | 1543.70 | --- | 1562.24 | --- | 1558.11 | 1552.98 | --- |
| MAX | 1550.30 | 1555.14 | 1557.72 | 1554.94 | 1552.97 | 1553.04 | 1554.99 | 1562.24 | 1564.00 | 1561.29 | 1557.55 | 1552.65 |
| MIN | 1517.80 | 1547.80 | 1544.47 | 1544.71 | 1546.87 | 1543.27 | 1540.21 | 1550.25 | 1560.23 | 1558.11 | 1552.98 | 1546.31 |
| CAL YR 2001 | MAX 1563.35 | MIN 1505.10 | | | | | | | | | | |
| WTR YR 2002 | MAX 1564.00 | MIN 1517.80 | | | | | | | | | | |