12115900 CHESTER MORSE LAKE AT CEDAR FALLS, WA

LOCATION.--Lat 47°24'34", long 121°43'22", in SW 1/4 NE 1/4 sec.12, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, at the overflow dike, 3.1 mi southeast of town of Cedar Falls, and at mile 37.2.

DRAINAGE AREA.--78.4 mi^2.

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

GAGE.--Water-stage recorder. Prior to Aug. 22, 2001, nonrecording gage at same site and datum. Datum of gage is 7.39 ft above sea level (levels by City of Seattle).

REMARKS.--Reservoir is formed by concrete overflow dike (wooden crib dam prior to 1989). Usable capacity, 37,186 acre-ft between gage heights 1,532 ft, minimum operation level, and 1,555 ft, spillway crest. Unused storage below gage height 1,532 ft is 38,137 acre-ft. Occasionally, elevation of downstream Cedar Lake exceeds 1,555 ft and the overflow dike is submerged. Chester Morse Lake is then controlled by masonry gravity dam at Cedar Lake. Water is used by City of Seattle for municipal water supply and power production. U.S. Geological Survey satellite telemeter at station.

COOPERATION.--Prior to Aug. 22, 2001, gage-height record furnished by City of Seattle Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 1,568.59 ft Nov. 25, 1990; minimum observed, 1,533.24 ft Nov. 8, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 1,563.66 ft June 17; minimum observed, 1,540.01 ft Dec. 26.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1550.86	1544.78	1541.46	1541.46	1548.56	1549.14	1552.11	1557.04	1561.07	1561.99	1555.89	1551.00
2	1551.08	1544.44	1541.48	1541.76	1548.68	1549.20	1552.61	1557.63	1561.04	1561.79	1555.72	1550.89
3	1550.93	1544.12	1541.56	1541.95	1548.81	1549.16	1552.96	1557.98	1561.19	1561.62	1555.53	1550.73
4	1550.38	1543.84	1541.51	1542.25	1549.01	1549.11	1553.21	1558.00	1561.19	1561.38	1555.39	1550.60
5	1550.04	1543.66	1541.56	1542.93	1549.56	1548.96	1553.31	1558.00	1561.13	1561.17	1555.24	1550.46
6	1549.61	1543.51	1541.56	1544.26	1550.01	1548.76	1553.44	1557.92	1561.11	1560.99	1555.09	1550.35
7	1549.06	1543.16	1541.63	1545.06	1550.24	1548.51	1553.46	1557.89	1561.04	1560.75	1554.74	1550.26
8	1548.59	1543.23	1541.61	1545.71	1550.31	1548.26	1553.44	1557.84	1560.98	1560.54	1554.43	1550.21
9	1548.15	1543.22	1541.66	1546.31	1550.26	1548.24	1553.38	1558.02	1560.97	1560.32	1554.50	1550.16
10	1547.67	1543.07	1541.66	1546.80	1550.25	1548.19	1553.27	1558.14	1560.94	1560.09	1554.33	1550.11
11	1547.26	1542.89	1541.71	1547.24	1550.26	1548.26	1553.29	1558.27	1560.99	1559.89	1554.14	1550.08
12	1546.76	1542.71	1541.56	1547.58	1550.15	1548.31	1553.22	1558.51	1561.74	1559.67	1554.01	1550.06
13	1546.26	1542.56	1541.41	1547.76	1550.11	1548.36	1553.16	1558.89	1562.69	1559.41	1553.79	1550.04
14	1545.86	1542.41	1541.24	1547.96	1550.06	1548.53	1553.06	1559.26	1563.18	1559.30	1553.63	1550.03
15	1545.44	1542.26	1541.14	1548.01	1549.99	1548.72	1552.91	1559.89	1563.49	1558.94	1553.45	1550.01
16	1544.97	1542.13	1540.97	1548.06	1549.96	1548.95	1552.81	1560.34	1563.63	1558.79	1553.24	1550.00
17	1544.97	1541.93	1540.96	1548.09	1550.01	1549.06	1552.76	1560.53	1563.66	1558.59	1553.06	1549.99
18	1545.16	1541.68	1540.91	1548.11	1549.86	1549.06	1552.79	1560.54	1563.64	1558.46	1552.96	1549.98
19	1545.06	1541.41	1540.81	1548.14	1549.86	1550.06	1552.81	1560.57	1563.58	1558.24	1552.70	1549.98
20	1544.86	1541.21	1540.74	1548.20	1549.81	1550.86	1552.82	1560.54	1563.48	1558.02	1552.51	1549.97
21	1545.26	1540.86	1540.61	1548.21	1549.74	1551.18	1552.84	1560.39	1563.36	1557.79	1552.36	1549.87
22	1545.57	1540.70	1540.26	1548.31	1549.66	1551.23	1552.86	1560.39	1563.25	1557.58	1552.29	1549.74
23	1545.71	1540.46	1540.14	1548.20	1549.58	1551.16	1552.93	1560.56	1563.12	1557.34	1552.25	1549.62
24	1545.79	1540.40	1540.06	1548.32	1549.48	1551.12	1553.08	1560.84	1562.99	1557.16	1552.20	1549.48
25	1545.77	1540.28	1540.06	1548.36	1549.56	1551.11	1553.28	1561.04	1562.89	1557.00	1552.09	1549.36
26	1545.68	1540.31	1540.01	1548.38	1549.41	1551.31	1553.71	1561.16	1562.74	1556.79	1551.94	1549.36
27	1545.56	1540.76	1540.26	1548.35	1549.34	1551.36	1554.34	1561.22	1562.55	1556.60	1551.79	1549.31
28	1545.51	1541.21	1540.59	1548.36	1549.25	1551.39	1554.66	1561.22	1562.50	1556.52	1551.64	1549.23
29	1545.36	1541.45	1540.59	1548.26	---	1551.46	1555.49	1561.28	1562.34	1556.39	1551.48	1549.13
30	1545.16	1541.26	1540.76	1548.26	---	1551.50	1556.04	1561.19	1562.16	1556.24	1551.32	1549.03
31	1544.96	---	1541.11	1548.46	---	1551.54	---	1561.13	---	1555.99	1551.16	---
MAX	1551.08	1544.78	1541.71	1548.46	1550.31	1551.54	1556.04	1561.28	1563.66	1561.99	1555.89	1551.00
MIN	1544.86	1540.28	1540.01	1541.46	1548.56	1548.19	1552.11	1557.04	1560.94	1555.99	1551.16	1549.03

CAL YR 2000 MAX 1564.34 MIN 1540.01
WTR YR 2001 MAX 1563.66 MIN 1540.01