

12147900 SOUTH FORK TOLT RESERVOIR NEAR CARNATION, WA

LOCATION.--Lat 47°41'38", long 121°47'10", in NW 1/4 SW 1/4 sec.32, T.26 N., R.9 E., King County, Hydrologic Unit 17110010, on top and near the center of the dam, 11.4 mi northeast of Carnation, and at mile 8.4.

DRAINAGE AREA.--18.8 mi².

PERIOD OF RECORD.--October 1991 to current year.

REVISED RECORDS.--WA-98-1: 1997.

GAGE.--Water-stage recorder. Datum of gage is sea level (Seattle Water Department benchmark).

REMARKS.--Reservoir is formed by earthfill dam, with a concrete glory hole spillway, completed in 1962. Water used for municipal water supply by Seattle Water Department. Usable capacity, 15,600 acre-ft between elevations 1,749 ft (minimum pool) and 1,765 ft (maximum normal pool). Top of dam is at 1,775 ft with top of spillway at 1,757 ft. Flood control between elevations 1,749 and 1,757 ft. U.S. Geological Survey satellite telemeter at station.

COOPERATION.--Capacity table furnished by Seattle Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 59,500 acre-ft July 9, 1997, elevation, 1,766.53 ft; minimum contents, 25,980 acre-ft Nov. 4, 1991, elevation, 1,728.72ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 55,300 acre-ft June 15, elevation, 1,762.40 ft; minimum contents, 35,460 acre-ft Sept. 30, elevation, 1,741.21.

Capacity table (elevation, in feet, and usable contents, in acre-ft)

1,690	8,100	1,730	26,800	1,760	52,900
1,700	11,300	1,740	34,400	1,765	57,900
1,710	15,400	1,750	43,200	1,780	73,600
1,720	20,400				

RESERVOIR ELEVATION SURFACE WATER (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1746.08	1744.20	1743.98	1742.79	1744.86	1744.24	1750.26	1756.26	1761.16	1761.11	1755.79	1749.19
2	1746.09	1744.08	1744.19	1742.78	1745.00	1744.14	1750.50	1756.53	1761.34	1760.98	1755.60	1748.94
3	1746.01	1743.91	1744.18	1742.75	1745.02	1744.01	1750.62	1756.71	1761.44	1760.77	1755.40	1748.68
4	1745.87	1744.03	1744.11	1743.19	1745.55	1743.87	1750.68	1756.90	1761.39	1760.60	1755.23	1748.37
5	1745.69	1744.04	1744.03	1744.28	1745.91	1743.74	1750.81	1757.18	1761.28	1760.43	1755.02	1748.13
6	1745.44	1744.01	1743.94	1744.60	1745.97	1743.68	1750.90	1757.33	1761.22	1760.26	1754.78	1747.88
7	1745.19	1743.91	1743.85	1744.70	1745.98	1743.57	1750.98	1757.45	1761.14	1760.10	1754.57	1747.57
8	1744.91	1743.96	1743.70	1744.70	1746.02	1743.68	1751.05	1757.55	1761.03	1759.90	1754.33	1747.27
9	1744.72	1743.93	1743.59	1744.71	1745.98	1743.73	1751.10	1757.62	1761.12	1759.68	1754.07	1746.95
10	1744.48	1743.84	1743.43	1744.69	1745.92	1743.77	1751.27	1757.66	1761.12	1759.41	1753.77	1746.61
11	1744.32	1743.73	1743.25	1744.67	1745.79	1743.68	1751.30	1757.75	1761.57	1759.23	1753.50	1746.27
12	1744.03	1743.68	1743.02	1744.64	1745.68	1743.70	1751.44	1757.95	1762.12	1758.95	1753.23	1745.94
13	1743.85	1743.59	1742.82	1744.64	1745.63	1743.75	1751.43	1758.17	1762.31	1758.68	1752.92	1745.65
14	1743.69	1743.44	1742.66	1744.59	1745.55	1743.75	1751.49	1758.97	1762.39	1758.41	1752.61	1745.31
15	1743.50	1743.30	1742.42	1744.48	1745.46	1743.85	1751.53	1759.94	1762.38	1758.23	1752.29	1744.93
16	1743.63	1743.13	1742.42	1744.41	1745.35	1743.84	1751.50	1760.44	1762.33	1758.16	1752.02	1744.59
17	1743.72	1742.94	1742.42	1744.31	1745.26	1743.83	1751.87	1760.61	1762.25	1758.06	1751.69	1744.24
18	1743.92	1742.76	1742.36	1744.28	1745.11	1744.88	1752.20	1760.76	1762.15	1757.89	1751.38	1743.89
19	1743.96	1742.60	1742.32	1744.38	1745.01	1746.01	1752.39	1760.77	1762.04	1757.72	1751.13	1743.62
20	1744.98	1742.43	1742.17	1744.36	1744.91	1746.23	1752.50	1760.82	1761.94	1757.52	1750.84	1743.38
21	1745.33	1742.20	1741.92	1744.69	1744.84	1746.29	1752.55	1760.85	1761.87	1757.31	1750.66	1743.13
22	1745.43	1742.03	1741.80	1744.91	1744.77	1746.35	1752.62	1760.95	1761.76	1757.09	1750.79	1742.85
23	1745.38	1741.97	1741.79	1744.84	1744.71	1746.37	1752.90	1761.14	1761.64	1756.87	1750.93	1742.56
24	1745.28	1742.15	1741.87	1744.84	1744.65	1746.46	1753.16	1761.27	1761.61	1756.67	1750.88	1742.26
25	1745.13	1742.18	1741.86	1744.87	1744.58	1746.83	1753.52	1761.31	1761.50	1756.43	1750.78	1742.10
26	1744.98	1742.91	1741.90	1744.69	1744.48	1747.04	1753.91	1761.33	1761.40	1756.18	1750.57	1741.99
27	1744.84	1743.45	1742.07	1744.61	1744.39	1747.21	1754.18	1761.32	1761.35	1755.96	1750.38	1741.86
28	1744.75	1743.64	1742.11	1744.52	1744.31	1747.99	1754.55	1761.41	1761.45	1756.14	1750.18	1741.66
29	1744.64	1743.83	1742.02	1744.49	---	1748.34	1754.92	1761.30	1761.38	1756.25	1749.92	1741.47
30	1744.46	1744.03	1742.37	1744.56	---	1748.72	1755.84	1761.25	1761.24	1756.10	1749.71	1741.21
31	1744.34	---	1742.69	1744.75	---	1749.75	---	1761.17	---	1755.96	1749.41	---
MEAN	1744.79	1743.33	1742.81	1744.38	1745.24	1745.27	1752.13	1759.38	1761.63	1758.29	1752.40	1744.95
MAX	1746.09	1744.20	1744.19	1744.91	1746.02	1749.75	1755.84	1761.41	1762.39	1761.11	1755.79	1749.19
MIN	1743.50	1741.97	1741.79	1742.75	1744.31	1743.57	1750.26	1756.26	1761.03	1755.96	1749.41	1741.21
(†)	38220	37950	36770	38580	38190	42980	48860	54070	54140	48980	42680	35460
(‡)	-1110	-270	-1180	+1810	-390	+4790	+5880	+5210	+70	-5160	-6300	-7220

CAL YR 2000 MEAN 1753.56 MAX 1766.05 MIN 1741.79 AC-FT† -15250
WTR YR 2001 MEAN 1749.58 MAX 1762.39 MIN 1741.21 AC-FT‡ -3870

† Contents, in acre-feet, at 2400, on last day of month.
‡ Change in contents, in acre-feet.