AUGUST 1, 2002 DWORSHAK SPILL CALCULATIONS

ffort to maintain 45 degree spill water

	Available H_2O	Gross Storage Available H2O'S	
Elevation	**KSFD**	**KSFD**	**Profile Temp**
1577	41.1	1543.1	75.7
1572	39.5	1502.0	72.4
1567	75.8	1462.5	64.3
1557	58.4	1386.7	55.9
1549	173.2	1328.3	56.7
1524	155.4	1155.1	49.8
1508.5	56	1055.7	48.0
1499	22.2	999.7	46.9
1495	108.4	977.5	46.0
1474	78.6	869.1	44.4
1457.6	39.9	790.5	43.6
1449	40.6	750.6	43.2
1440	65	710	43.0
1424	111	645	42.7
1400	34	534.0	41.9
1387	34	500.0	41.3
1375	66	466	40.7
1350	13	400	39.8
1345		387	39.6

* Note: 1 KCFS for 1 day = 1KSFD

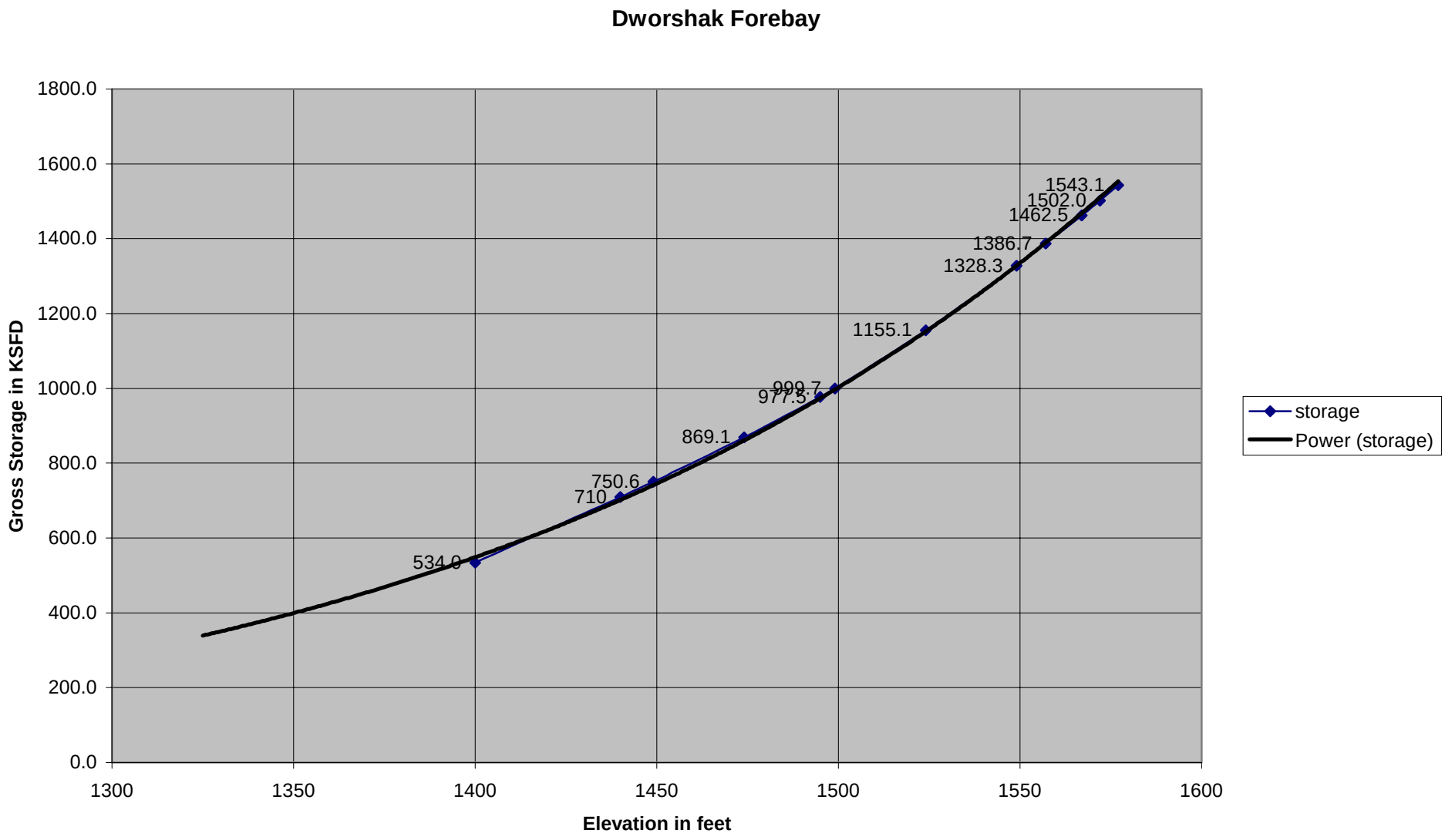
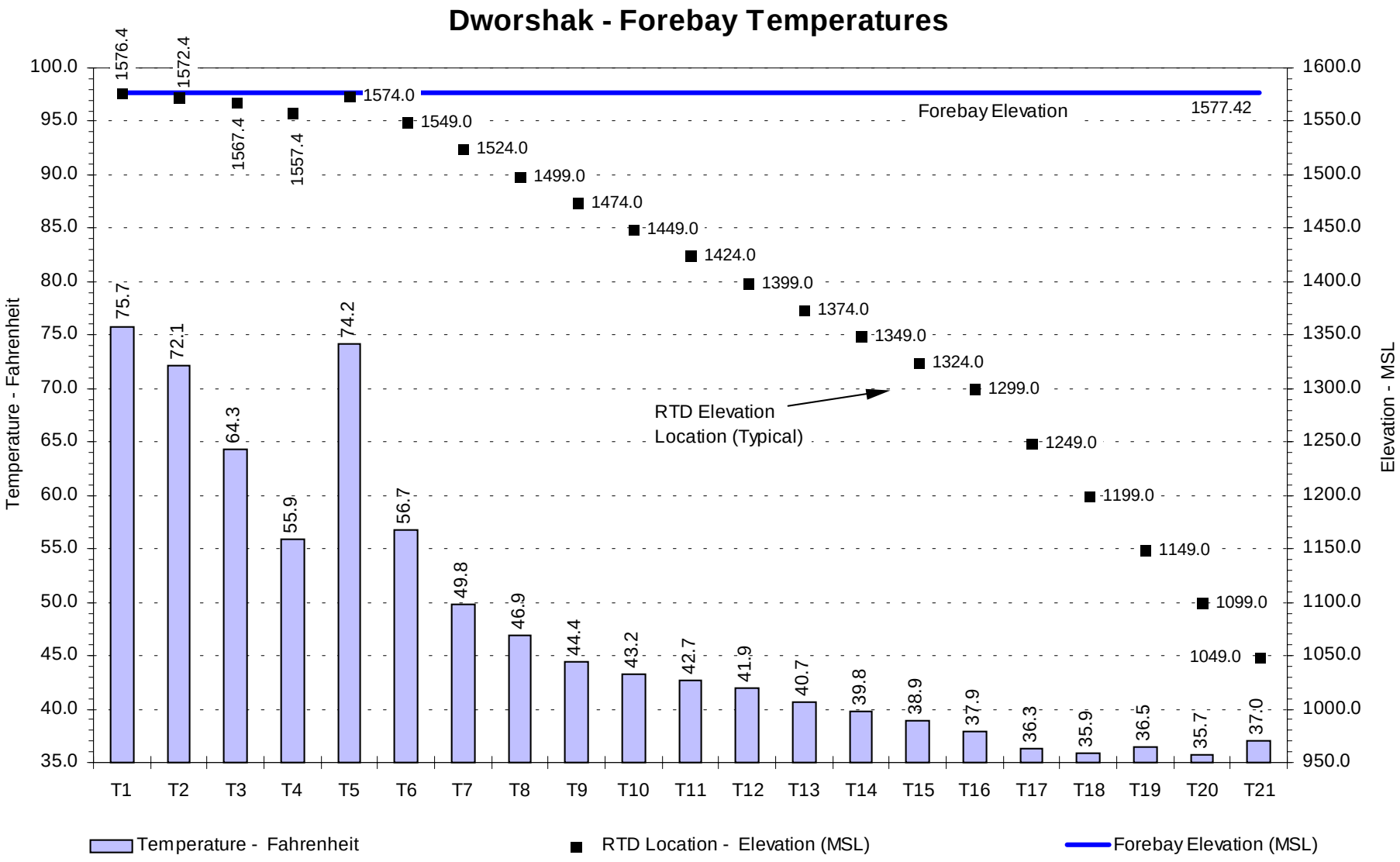
* Note: The gross storage amounts for elevations below 1440 ft is an estimate based on a regression analysis graph.

MASS BALANCE OF RESERVOIR FOR TEMPERATURE

OUTLETS	Possible	Actual	Total Flow Amt	% of	Outflow	Weighted Contributions
	Elevation	Elevation- ft	KCFS or KSFD	Total Flow	Temperature	to total Temperature
RO 1,2,3	1350	1350	3.9	0.28	39.8	11.2
Selector Gate 1& 2	1565 - 1390	1420	4.9	0.36	48	17.0
Selector Gate 3	1565 - 1390	1412	5	0.36	45	16.3
Daily Averages			13.8	1.0		44.6
Weekly average			96.6			

WATERS USED IN TEMPERATURE CONTROL EFFORT		H20 Used in 1 week	Total H20 Available for effort (KSFD)	Elevations water is taken from	# weeks we can maintain 45 degrees T
Water taken from 1474-1457.6 ft		69.3	224.1	1508-1457.6	3.2
Water taken from 1387-1457 ft		0	179.0	1380.6-1457 ft	used to address Temp change over time.
Water taken from 1400-1386ft		27.3	79.0	1380.6-1350 ft	2.9

REGRESSION ANALYSIS GRAPH



AUGUST 1, 2002 TEMPERATURE READINGS