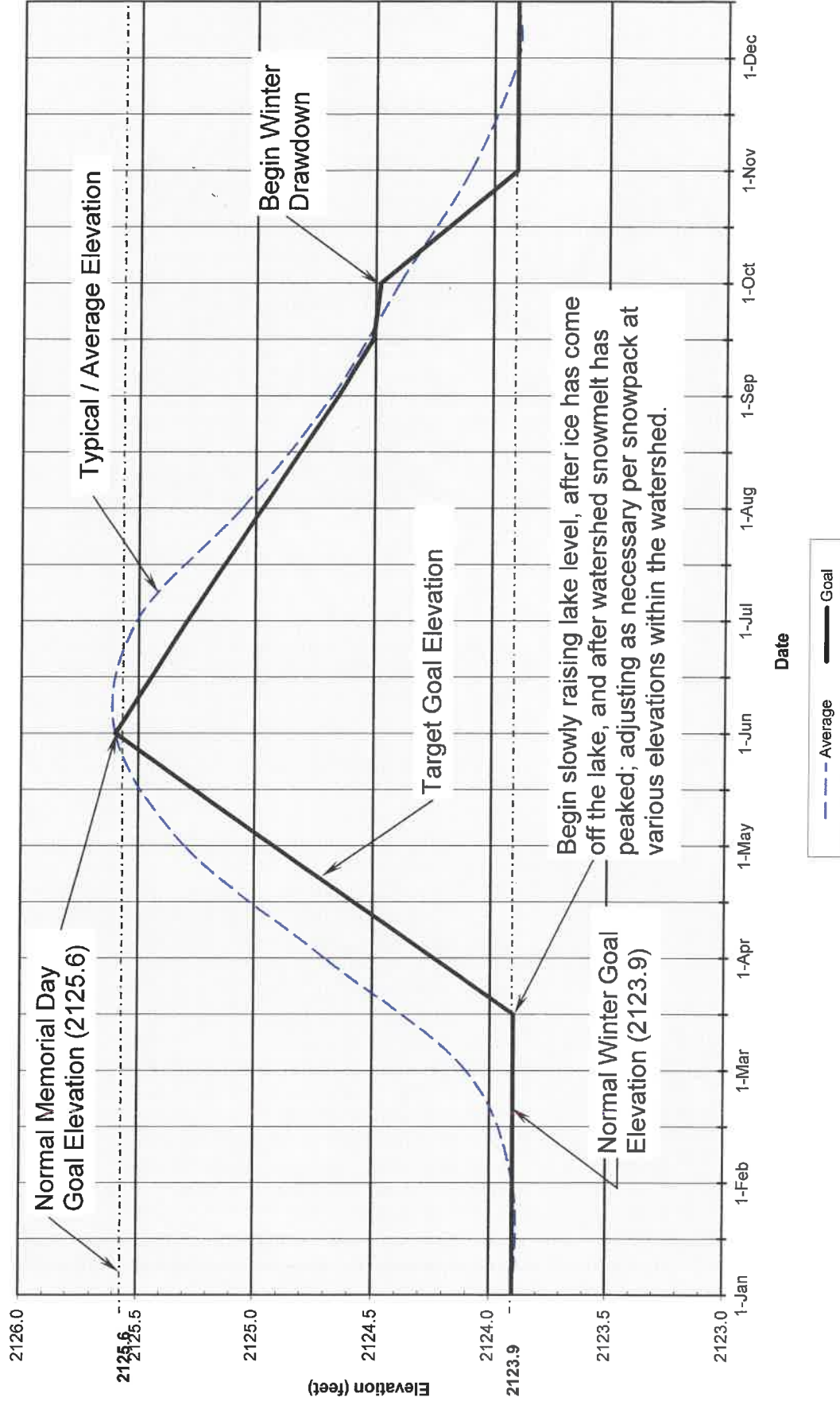
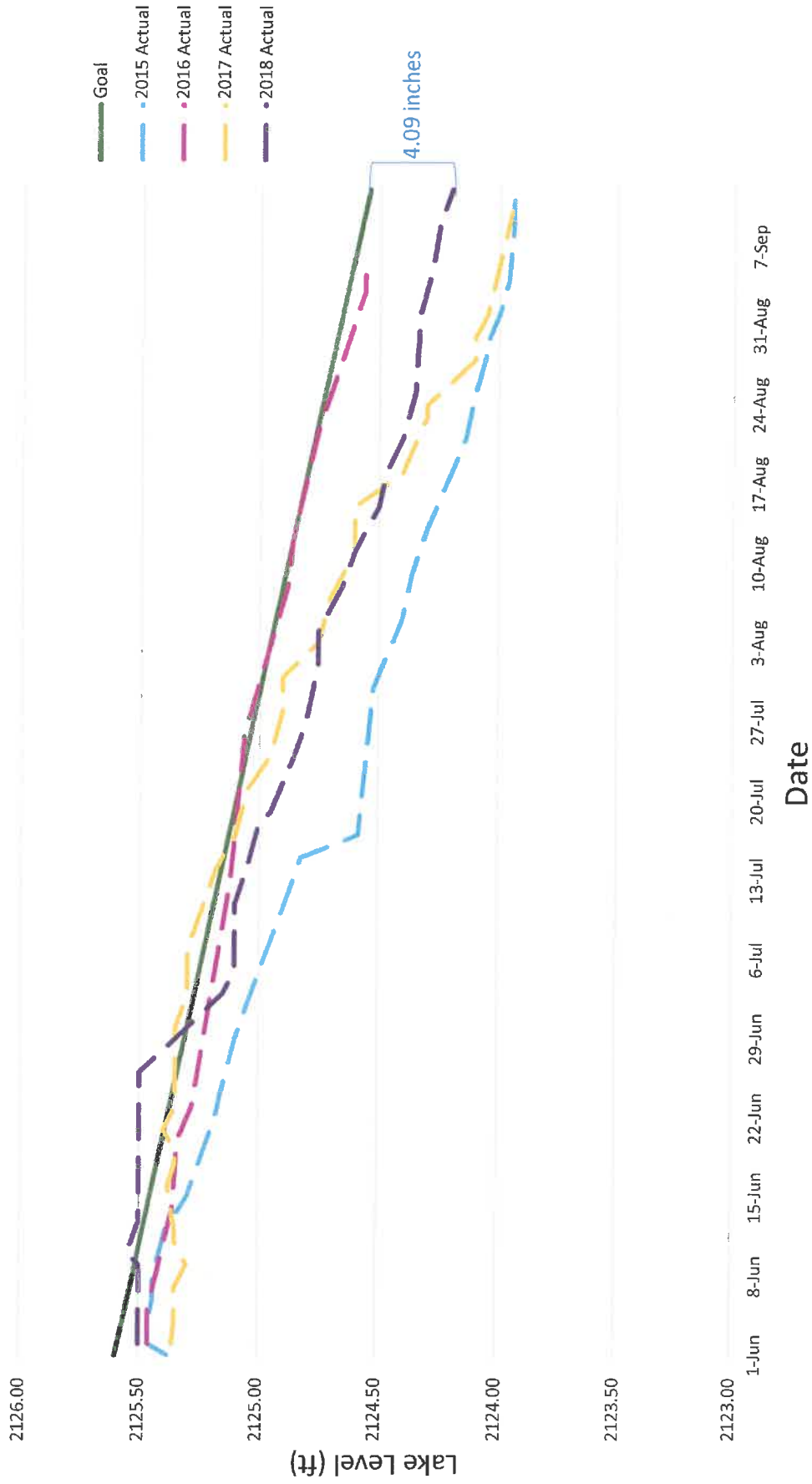


Newman Lake Level Management - Target Goal Elevations



Lake Levels



**2018 SEASON NEWMAN LAKE FLOOD CONTROL ZONE DISTRICT
TABLE OF SUMMER GOAL LAKE ELEVATIONS and ACTUAL ELEVATIONS**

Date	Goal	Actual	+/- (in)	Date	Goal	Actual	+/- (in)	Date	Goal	Actual	+/- (in)	Date	Goal	Actual	+/- (in)
1-Jun	2125.60			1-Jul	2125.29			1-Aug	2124.97	2124.75	-2.68	1-Sep	2124.65	2124.33	-3.89
2-Jun	2125.59	2125.50	-1.08	2-Jul	2125.28	2125.20	-0.98	2-Aug	2124.96			2-Sep	2124.64		
3-Jun	2125.58			3-Jul	2125.27	2125.15	-1.45	3-Aug	2124.95			3-Sep	2124.63		
4-Jun	2125.57			4-Jul	2125.26			4-Aug	2124.94	2124.75	-2.30	4-Sep	2124.62		
5-Jun	2125.56			5-Jul	2125.25	2125.10	-1.81	5-Aug	2124.93			5-Sep	2124.61	2124.28	-4.00
6-Jun	2125.55	2125.50	-0.58	6-Jul	2125.24			6-Aug	2124.92			6-Sep	2124.60		
7-Jun	2125.54			7-Jul	2125.23			7-Aug	2124.91			7-Sep	2124.59		
8-Jun	2125.53			8-Jul	2125.22			8-Aug	2124.90	2124.65	-3.01	8-Sep	2124.58		
9-Jun	2125.52	2125.50	-0.21	9-Jul	2125.21			9-Aug	2124.89			9-Sep	2124.57	2124.25	-3.86
10-Jun	2125.51	2125.55	0.51	10-Jul	2125.20			10-Aug	2124.88			10-Sep	2124.56		
11-Jun	2125.50			11-Jul	2125.19	2125.10	-1.07	11-Aug	2124.87	2124.60	-3.24	11-Sep	2124.55		
12-Jun	2125.49			12-Jul	2125.18			12-Aug	2124.86			12-Sep	2124.54	2124.20	-4.09
13-Jun	2125.48	2125.50	0.28	13-Jul	2125.17			13-Aug	2124.85			13-Sep	2124.53		
14-Jun	2125.47			14-Jul	2125.16	2125.05	-1.30	14-Aug	2124.84			14-Sep	2124.52		
15-Jun	2125.46			15-Jul	2125.15			15-Aug	2124.83	2124.50	-3.95	15-Sep	2124.51		
16-Jun	2125.45	2125.50	0.65	16-Jul	2125.14			16-Aug	2124.82			16-Sep	2124.50		
17-Jun	2125.44			17-Jul	2125.13			17-Aug	2124.81			17-Sep	2124.50		
18-Jun	2125.43			18-Jul	2125.12	2125.00	-1.40	18-Aug	2124.80	2124.47	-3.94	18-Sep	2124.50		
19-Jun	2125.41			19-Jul	2125.11			19-Aug	2124.79			19-Sep	2124.50		
20-Jun	2125.40	2125.50	1.14	20-Jul	2125.10	2124.95	-1.76	20-Aug	2124.78			20-Sep	2124.50		
21-Jun	2125.39			21-Jul	2125.09			21-Aug	2124.77	2124.40	-4.41	21-Sep	2124.50		
22-Jun	2125.38	2125.50	1.39	22-Jul	2125.08			22-Aug	2124.76			22-Sep	2124.50		
23-Jun	2125.37			23-Jul	2125.07			23-Aug	2124.75			23-Sep	2124.50		
24-Jun	2125.36			24-Jul	2125.06			24-Aug	2124.74			24-Sep	2124.50		
25-Jun	2125.35			25-Jul	2125.04	2124.85	-2.34	25-Aug	2124.73	2124.35	-4.51	25-Sep	2124.50		
26-Jun	2125.34	2125.50	1.88	26-Jul	2125.03			26-Aug	2124.72			26-Sep	2124.50		
27-Jun	2125.33			27-Jul	2125.02			27-Aug	2124.71			27-Sep	2124.50		
28-Jun	2125.32	2125.40	0.93	28-Jul	2125.01	2124.80	-2.57	28-Aug	2124.70			28-Sep	2124.50		
29-Jun	2125.31			29-Jul	2125.00			29-Aug	2124.69			29-Sep	2124.50		
30-Jun	2125.30	2125.30	-0.02	30-Jul	2124.99			30-Aug	2124.67			30-Sep	2124.50		
				31-Jul	2124.98			31-Aug	2124.66			31-Oct	2124.90		

Lake level came up slowly through the winter months. Gates were fully open the end of April and slowly transitioning to closing them (or barely open) by mid-May. Gates were closed (or nearly completely closed) immediately prior to the June 1st target of peak summer lake level - which we never achieved (about an inch lower than target peak). The gates then remained closed until June 26th (for nearly three weeks). The result, with no rain, and no rain predicted, was that the lake elevation held steady at 2125.50. It is a typical practice to keep the lake level at or above target summer goal levels for a short period when no rain is in the forecast. When the gates were opened, to get back on a track that more aligned with the chart goals above, it was only four days until the actual lake level and the chart synced up. In the future, I would not suggest that we drop it that quickly, because the lack of rain for over two months combined with evaporation has kept the lake well below target goals since that time.

Both outlet gates were opened on 06/26/18 0.3 ft each; 07/02/18 0.2 ft each; 07/03/18 0.1 ft each (later closed one gate); 07/05/18 closed both gates; have remained closed since then. Water extraction occurred on these days to assist the firefighting efforts (Upriver Drive, in Spokane, WA). Water "loss" was insignificant in comparison to evaporation.