

WINNIPESAUKEE GRAPH DATA



Historical Lake Level Data.

Current Year Readings

Source: Dam Bureau Records

MSL Correction 500' + Lake Level

1982-2021		1982-2021	Cumulative Precip		Lake Level	Discharge	Estimated Inflow
Minimum Level	Maximum level	Mean Level	in Inches		in Feet	(CFS)	(CFS)
1.61	4.01	3.17	0.15	1/1/2022	3.48	950	950
1.56	4.02	3.16	0.38	1/2/2022	3.50	950	643
1.58	3.99	3.15	0.54	1/3/2022	3.47	950	873
1.57	4.01	3.14	0.54	1/4/2022	3.47	950	643
1.57	3.98	3.13	0.54	1/5/2022	3.46	950	567
1.58	3.95	3.11	0.59	1/6/2022	3.42	950	337
1.62	3.91	3.11	0.64	1/7/2022	3.39	950	107
1.62	3.85	3.08	1.06	1/8/2022	3.35	950	260
1.61	3.85	3.08	1.06	1/9/2022	3.33	950	183
1.63	3.87	3.06	1.11	1/10/2022	3.29	950	720
1.63	3.85	3.06	1.11	1/11/2022	3.32	950	567
1.6	3.83	3.06	1.11	1/12/2022	3.28	950	490
1.65	3.82	3.05	1.11	1/13/2022	3.23	950	30
1.61	3.81	3.03	1.11	1/14/2022	3.20	950	107
1.69	3.81	3.04	1.11	1/15/2022	3.17	950	337
1.68	3.8	3.03	1.11	1/16/2022	3.15	950	260
1.68	3.77	3.02	1.41	1/17/2022	3.11	950	720
1.68	3.78	3.01	2.42	1/18/2022	3.14	950	1257
1.7	3.78	3.02	2.42	1/19/2022	3.19	950	1140
1.71	3.78	3.01	2.42	1/20/2022	3.15	600	563
1.68	3.78	3.00	2.42	1/21/2022	3.12	600	63
1.71	3.71	2.99	2.42	1/22/2022	3.12	600	293
1.7	3.75	2.98	2.42	1/23/2022	3.11	600	370
1.72	3.79	2.97	2.42	1/24/2022	3.09	600	217
1.72	3.77	2.97	2.47	1/25/2022	3.07	600	140
1.71	3.75	2.97	2.47	1/26/2022	3.05	600	137
1.73	3.74	2.97	2.47	1/27/2022	3.04	360	137
1.76	3.7	2.97	2.47	1/28/2022	3.03	370	367
1.76	3.67	2.96	2.47	1/29/2022	3.05	370	370
1.81	3.66	2.96	2.60	1/30/2022	3.04	370	600
1.78	3.64	2.94	2.60	1/31/2022	3.06	370	370
1.88	3.59	2.93	2.60	2/1/2022	3.05	370	560
1.85	3.55	2.93	2.60	2/2/2022	3.07	250	61
1.87	3.55	2.92	2.64	2/3/2022	3.03	250	1017
1.87	3.6	2.92	4.09	2/4/2022	3.15	250	1400
1.85	3.7	2.92	4.31	2/5/2022	3.22	250	1477
1.87	3.75	2.92	4.31	2/6/2022	3.19	250	710
1.87	3.74	2.91	4.31	2/7/2022	3.21	250	633
1.87	3.73	2.88	4.75	2/8/2022	3.27	250	940
1.88	3.71	2.89	4.85	2/9/2022	3.28	250	980
1.88	3.7	2.88	4.85	2/10/2022	3.29	600	560
1.96	3.66	2.87	4.85	2/11/2022	3.28	600	753
1.91	3.6	2.85	4.85	2/12/2022	3.30	600	447
1.97	3.57	2.85	4.85	2/13/2022	3.27	600	447
1.98	3.53	2.85	4.85	2/14/2022	3.26	600	293
2	3.55	2.85	4.85	2/15/2022	3.26	600	370
1.99	3.54	2.84	4.85	2/16/2022	3.24	600	523
2	3.53	2.84	4.85	2/17/2022	3.25	600	870
2	3.55	2.83	5.20	2/18/2022	3.28	950	1293
2.01	3.55	2.83	5.30	2/19/2022	3.30	950	1103
2.01	3.55	2.82	5.30	2/20/2022	3.27	950	1027
2.03	3.54	2.81	5.30	2/21/2022	3.29	950	950
2.07	3.53	2.82	5.30	2/22/2022	3.30	950	1563
2.07	3.54	2.82	6.15	2/23/2022	3.35	950	1717
2.1	3.62	2.81	6.15	2/24/2022	3.39	950	1947
2.11	3.74	2.83	6.19	2/25/2022	3.43	950	1947
2.11	3.82	2.84	6.69	2/26/2022	3.48	950	1717
2.08	3.9	2.84	6.69	2/27/2022	3.49	950	1410
2.18	3.94	2.87	6.71	2/28/2022	3.49	950	1103
2.11	4.1	2.86	6.71	3/1/2022	3.50	950	1103
2.23	4.14	2.86	6.99	3/2/2022	3.51	950	1180
2.23	4.17	2.85	7.02	3/3/2022	3.52	950	873
2.22	4.18	2.88	7.02	3/4/2022	3.49	950	797
2.22	4.16	2.88	7.02	3/5/2022	3.49	950	643
2.23	4.16	2.88	7.02	3/6/2022	3.48	950	873
2.27	4.11	2.88	7.12	3/7/2022	3.48	950	1410
2.28	4.1	2.89	7.74	3/8/2022	3.55	950	1333
2.29	4.08	2.91	7.74	3/9/2022	3.53	950	1443
2.14	4.14	2.91	7.84	3/10/2022	3.54	1050	1017
2.29	4.18	2.94	7.84	3/11/2022	3.55	1050	897
2.26	4.14	2.95	7.84	3/12/2022	3.51	1050	1280
2.25	4.19	2.98	8.37	3/13/2022	3.57	1050	1280
2.24	4.17	3.00	8.37	3/14/2022	3.58	1050	1357
2.24	4.18	3.01	8.37	3/15/2022	3.55	1050	1203

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MSL Correction 500' + Lake Level

1982-2021		1982-2021		Cumulative Precip in Inches		MSL Correction 500' + Lake Level		Estimated Inflow (CFS)
Minimum Level	Maximum level	Mean Level				Lake Level in Feet	Discharge (CFS)	
2.22	4.15	3.02	8.58	3/16/2022	3.59	1050	1050	
2.22	4.23	3.03	8.58	3/17/2022	3.58	1050	1433	
2.18	4.2	3.04	8.58	3/18/2022	3.60	1050	1433	
2.14	4.36	3.06	8.68	3/19/2022	3.64	1050	2513	
2.12	4.42	3.07	9.33	3/20/2022	3.77	1070	2060	
2.13	4.49	3.09	9.33	3/21/2022	3.73	1070	2187	
2.28	4.5	3.11	9.33	3/22/2022	3.78	1200	1463	
2.31	4.51	3.13	9.33	3/23/2022	3.81	1200	1737	
2.32	4.52	3.14	9.53	3/24/2022	3.80	1200	2197	
2.35	4.53	3.15	10.23	3/25/2022	3.91	1200	2120	
2.33	4.56	3.16	10.23	3/26/2022	3.93	1200	2427	
2.31	4.54	3.18	10.23	3/27/2022	3.96	1200	1430	
2.32	4.57	3.24	10.25	3/28/2022	3.94	1200	1277	
2.32	4.71	3.29	10.25	3/29/2022	3.94	1200	970	
2.41	4.89	3.34	10.25	3/30/2022	3.93	1200	1020	
2.41	5.01	3.39	10.35	3/31/2022	3.91	1350	1300	
2.38	5.03	3.43	10.97	4/1/2022	3.94	1350	1273	
2.38	5.05	3.47	11.18	4/2/2022	3.92	1350	1810	
2.38	5.03	3.53	11.18	4/3/2022	3.97	1350	1424	
2.39	5.02	3.57	11.18	4/4/2022	3.95	1341	1496	
2.38	4.98	3.60	11.18	4/5/2022	3.94	1336	960	
2.4	4.94	3.65	11.18	4/6/2022	3.92	1352	956	
2.46	4.9	3.67	11.18	4/7/2022	3.90	1330	1264	
2.46	4.85	3.72	11.87	4/8/2022	3.93	1340	1800	
2.49	4.79	3.73	11.87	4/9/2022	3.98	1351	2189	
2.56	4.8	3.78	12.12	4/10/2022	4.01	1345	1679	
2.61	4.75	3.80	12.12	4/11/2022	3.99	961	1206	
2.77	4.68	3.82	12.44	4/12/2022	4.01	621	809	
2.75	4.6	3.85	12.49	4/13/2022	4.02	614	1002	
2.97	4.56	3.88	12.49	4/14/2022	4.04	620	770	
3.04	4.49	3.90	12.54	4/15/2022	4.03	617	694	
3.11	4.54	3.96	12.54	4/16/2022	4.03	615	921	
3.16	4.66	3.98	13.09	4/17/2022	4.08	610	921	
3.22	4.82	4.01	13.09	4/18/2022	4.07	618	1611	
3.28	4.91	4.02	13.91	4/19/2022	4.16	615	1304	
3.3	4.95	4.05	13.91	4/20/2022	4.17	608	1604	
3.29	4.97	4.07	13.91	4/21/2022	4.20	600	833	
3.3	4.96	4.08	13.97	4/22/2022	4.19	600	600	
3.39	4.91	4.10	13.97	4/23/2022	4.17	600	753	
3.4	4.94	4.11	13.97	4/24/2022	4.22	600	677	
3.4	4.92	4.12	13.97	4/25/2022	4.20	600	753	
3.42	4.91	4.14	13.97	4/26/2022	4.19	600	523	
3.43	4.91	4.14	14.39	4/27/2022	4.21	600	447	
3.42	4.88	4.16	14.47	4/28/2022	4.18	600	447	
3.43	4.91	4.17	14.47	4/29/2022	4.17	600	370	
3.42	4.94	4.18	14.47	4/30/2022	4.18	600	600	
3.44	4.93	4.19	14.47	5/1/2022	4.18	600	487	
3.5	4.9	4.20	14.47	5/2/2022	4.17	260	373	
3.48	4.91	4.20	14.47	5/3/2022	4.18	260	413	
3.54	4.92	4.21	14.47	5/4/2022	4.20	260	1027	
3.53	4.9	4.21	15.25	5/5/2022	4.27	260	1103	
3.56	4.84	4.22	15.25	5/6/2022	4.29	260	1257	
3.58	4.81	4.22	15.25	5/7/2022	4.33	260	567	
3.58	4.79	4.22	15.25	5/8/2022	4.31	260	527	
3.57	4.76	4.21	15.25	5/9/2022	4.31	600	333	
3.55	4.77	4.22	15.25	5/10/2022	4.31	600	370	
3.55	4.84	4.22	15.25	5/11/2022	4.28	600	410	
3.51	4.9	4.22	15.25	5/12/2022	4.30	260	143	
3.5	4.88	4.24	15.25	5/13/2022	4.28	260	260	
3.51	4.85	4.26	15.25	5/14/2022	4.28	260	107	
3.51	4.96	4.27	15.25	5/15/2022	4.28	260	567	
3.5	5.18	4.28	15.33	5/16/2022	4.32	260	643	
3.5	5.33	4.29	15.65	5/17/2022	4.33	260	567	
3.5	5.37	4.28	15.65	5/18/2022	4.32	260	413	
3.58	5.46	4.28	15.65	5/19/2022	4.34	260	413	
3.58	5.44	4.27	15.97	5/20/2022	4.35	260	567	
3.58	5.47	4.27	15.97	5/21/2022	4.36	260	413	
3.57	5.45	4.27	15.97	5/22/2022	4.36	260	260	
3.61	5.44	4.27	16.07	5/23/2022	4.35	260	337	
3.62	5.39	4.27	16.07	5/24/2022	4.37	260	337	
3.61	5.35	4.27	16.07	5/25/2022	4.37	260	450	
3.62	5.36	4.28	16.07	5/26/2022	4.36	600	257	
3.62	5.32	4.27	16.07	5/27/2022	4.34	600	447	

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MSL Correction 500' + Lake Level

1982-2021		1982-2021	Cumulative Precip		Lake Level	Discharge	Estimated Inflow
Minimum Level	Maximum level	Mean Level	in Inches		in Feet	(CFS)	(CFS)
3.6	5.26	4.27	16.17	5/28/2022	4.35	600	447
3.6	5.22	4.27	16.17	5/29/2022	4.34	600	447
3.6	5.24	4.27	16.17	5/30/2022	4.32	600	103
3.54	5.55	4.28	16.17	5/31/2022	4.30	260	67
3.53	5.69	4.28	16.17	6/1/2022	4.30	260	-47
3.53	5.83	4.29	16.92	6/2/2022	4.28	260	183
3.51	5.89	4.30	16.92	6/3/2022	4.29	260	567
3.5	5.85	4.29	17.12	6/4/2022	4.34	260	413
3.51	5.8	4.29	17.12	6/5/2022	4.30	260	337
3.51	5.84	4.29	17.12	6/6/2022	4.30	260	-47
3.52	5.86	4.28	17.12	6/7/2022	4.30	260	183
3.55	5.81	4.28	17.40	6/8/2022	4.29	260	260
3.49	5.76	4.25	17.45	6/9/2022	4.30	260	567
3.46	5.69	4.26	18.20	6/10/2022	4.34	260	643
3.55	5.59	4.28	18.20	6/11/2022	4.34	260	567
3.54	5.49	4.27	18.20	6/12/2022	4.34	260	260
3.43	5.4	4.25	18.35	6/13/2022	4.34	260	183
3.4	5.35	4.25	18.35	6/14/2022	4.33	260	220
3.4	5.26	4.24	18.35	6/15/2022	4.32	600	377
3.37	5.17	4.23	18.35	6/16/2022	4.31	960	457
3.36	5.2	4.22	18.35	6/17/2022	4.28	960	-190
3.34	5.44	4.21	18.65	6/18/2022	4.17	960	-573
3.33	5.52	4.20	18.65	6/19/2022	4.11	960	-847
3.3	5.53	4.19	18.65	6/20/2022	4.06	600	-390
3.3	5.52	4.18	18.65	6/21/2022	4.04	260	-317
3.28	5.48	4.18	18.65	6/22/2022	4.02	260	-47
3.28	5.42	4.16	18.65	6/23/2022	4.02	260	30
3.26	5.373	4.15	18.65	6/24/2022	4.01	260	30
3.23	5.3	4.14	18.65	6/25/2022	3.99	260	30
3.22	5.37	4.13	18.65	6/26/2022	3.99	260	30
3.21	5.41	4.13	18.65	6/27/2022	3.98	260	183
3.24	5.34	4.12	19.21	6/28/2022	3.98	260	107
3.3	5.3	4.13	19.27	6/29/2022	3.97	260	-93
3.3	5.25	4.12	19.27	6/30/2022	3.93	350	-63
3.27	5.3	4.12	19.27	7/1/2022	3.93	350	-187
3.27	5.27	4.12	19.37	7/2/2022	3.90	350	120
3.26	5.16	4.10	19.37	7/3/2022	3.90	350	-263
3.25	5.15	4.09	19.37	7/4/2022	3.85	350	-110
3.25	5.05	4.08	19.37	7/5/2022	3.84	350	-33
3.35	5.02	4.07	19.97	7/6/2022	3.85	350	243
3.32	4.95	4.06	19.97	7/7/2022	3.84	260	60
3.27	4.86	4.05	19.97	7/8/2022	3.81	260	-200
3.24	4.77	4.05	19.97	7/9/2022	3.79	260	-277
3.2	4.66	4.03	19.97	7/10/2022	3.77	260	-123
3.2	4.54	4.02	19.97	7/11/2022	3.76	260	-200
3.2	4.48	4.02	19.97	7/12/2022	3.73	260	373
3.16	4.44	4.02	21.11	7/13/2022	3.77	600	487
3.15	4.51	4.00	21.17	7/14/2022	3.76	600	487
3.13	4.53	4.00	21.35	7/15/2022	3.73	260	-87
3.12	4.52	3.99	21.35	7/16/2022	3.71	260	-353
3.11	4.5	3.99	21.35	7/17/2022	3.68	260	-123
3.09	4.47	3.98	21.35	7/18/2022	3.68	260	337
3.12	4.38	3.97	22.97	7/19/2022	3.72	260	720
3.08	4.45	3.96	22.97	7/20/2022	3.74	260	797
3.07	4.46	3.95	22.97	7/21/2022	3.75	260	413
3.04	4.61	3.94	22.97	7/22/2022	3.74	260	107
3.05	4.63	3.94	22.97	7/23/2022	3.72	260	107
3.05	4.62	3.93	22.97	7/24/2022	3.73	260	-353
3.04	4.59	3.92	22.99	7/25/2022	3.66	260	183
3.05	4.58	3.92	23.59	7/26/2022	3.71	260	-123
3.03	4.55	3.91	23.59	7/27/2022	3.68	260	337
3.01	4.51	3.90	23.59	7/28/2022	3.67	260	720
3	4.6	3.90	25.10	7/29/2022	3.77	260	720
2.98	4.61	3.89	25.10	7/30/2022	3.74	260	490
2.98	4.61	3.88	25.10	7/31/2022	3.70	260	-353
2.95	4.74	3.87	25.10	8/1/2022	3.69	260	-277
2.9	4.73	3.86	25.10	8/2/2022	3.67	260	-200
2.88	4.73	3.84	25.10	8/3/2022	3.64	260	-277
2.87	4.73	3.84	25.10	8/4/2022	3.62	260	30
2.84	4.7	3.82	25.62	8/5/2022	3.64	260	30
2.78	4.69	3.81	25.62	8/6/2022	3.61	260	30
2.77	4.66	3.80	25.62	8/7/2022	3.59	260	-200
2.74	4.64	3.79	25.84	8/8/2022	3.58	260	567

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1982-2021		1982-2021		Cumulative Precip		MSL Correction 500' + Lake Level		Estimated Inflow	
Minimum Level	Maximum level	Mean Level		in Inches		in Feet	Discharge	(CFS)	(CFS)
2.72	4.61	3.78		27.45	8/9/2022	3.65	260	873	
2.7	4.68	3.77		27.88	8/10/2022	3.67	260	720	
2.69	4.74	3.77		28.25	8/11/2022	3.64	260	-47	
2.67	4.73	3.76		28.25	8/12/2022	3.61	260	-507	
2.66	4.73	3.75		28.25	8/13/2022	3.57	260	-507	
2.72	4.67	3.74		28.25	8/14/2022	3.54	260	-430	
2.72	4.63	3.73		28.25	8/15/2022	3.52	260	-247	
2.71	4.58	3.70		28.25	8/16/2022	3.50	415	-173	
2.68	4.52	3.69		28.25	8/17/2022	3.47	415	-198	
2.67	4.47	3.68		28.55	8/18/2022	3.44	415	-253	
2.66	4.37	3.67		28.55	8/19/2022	3.42	250	-155	
2.64	4.29	3.64		28.55	8/20/2022	3.41	250	-57	
2.66	4.25	3.63		28.55	8/21/2022	3.40	250	-57	
2.64	4.2	3.62		28.55	8/22/2022	3.38	250	173	
2.63	4.15	3.59		28.70	8/23/2022	3.40	250	130	
2.62	4.12	3.58		28.70	8/24/2022	3.38	350	87	
2.6	4.11	3.56		28.70	8/25/2022	3.35	350	-110	
2.58	4.1	3.54		28.70	8/26/2022	3.34	350	503	
2.59	4.06	3.53		29.85	8/27/2022	3.40	350	580	
2.56	4.14	3.53		29.85	8/28/2022	3.38	350	317	
2.53	4.18	3.51		29.85	8/29/2022	3.34	250	-330	
2.51	4.18	3.50		29.85	8/30/2022	3.32	250	-57	
2.49	4.18	3.48		30.24	8/31/2022	3.34	250	-210	
2.47	4.19	3.47		30.24	9/1/2022	3.28	250	-287	
2.46	4.14	3.44		30.24	9/2/2022	3.25	250	-593	
2.44	4.14	3.44		30.24	9/3/2022	3.23	250	-287	
2.43	4.19	3.42		30.24	9/4/2022	3.21	250	97	
2.41	4.28	3.41		30.84	9/5/2022	3.23	250	1017	
2.41	4.31	3.40		31.59	9/6/2022	3.33	250	1323	
2.41	4.38	3.39		31.94	9/7/2022	3.35	250	1127	
2.4	4.37	3.37		31.94	9/8/2022	3.34	350	317	
2.7	4.35	3.37		31.94	9/9/2022	3.33	350	-33	
2.66	4.32	3.35		31.94	9/10/2022	3.30	350	43	
2.64	4.27	3.33		31.94	9/11/2022	3.30	350	-110	
2.63	4.25	3.32		31.94	9/12/2022	3.27	350	87	
2.59	4.2	3.31		31.94	9/13/2022	3.27	250	207	
2.55	4.14	3.29		32.65	9/14/2022	3.29	250	97	
2.57	4.07	3.28		32.65	9/15/2022	3.25	250	-287	
2.55	4	3.27		32.65	9/16/2022	3.20	250	-593	
2.56	3.96	3.26		32.65	9/17/2022	3.18	250	-517	
2.54	3.9	3.25		32.65	9/18/2022	3.15	250	-133	
2.52	3.83	3.23		32.81	9/19/2022	3.15	250	403	
2.51	3.78	3.22		33.59	9/20/2022	3.20	250	710	
2.5	3.81	3.21		33.71	9/21/2022	3.21	250	557	
2.51	3.77	3.19		33.71	9/22/2022	3.19	250	480	
2.51	3.76	3.17		34.69	9/23/2022	3.23	250	-287	
2.51	3.72	3.17		34.69	9/24/2022	3.14	250	20	
2.53	3.68	3.17		34.69	9/25/2022	3.16	250	-133	
2.52	3.71	3.15		35.09	9/26/2022	3.18	250	480	
2.56	3.72	3.15		35.15	9/27/2022	3.17	250	327	
2.55	3.73	3.14		35.15	9/28/2022	3.17	250	-210	
2.53	3.73	3.16		35.15	9/29/2022	3.12	250	-133	
2.5	3.71	3.14		35.15	9/30/2022	3.12	250	-287	
2.46	3.75	3.13		35.15	10/1/2022	3.10	250	250	
2.45	3.89	3.14		35.15	10/2/2022	3.12	250	-100	
2.44	3.91	3.13		35.15	10/3/2022	3.07	420	-20	
2.41	3.9	3.12		35.15	10/4/2022	3.05	420	-347	
2.39	3.85	3.11		35.15	10/5/2022	3.02	350	-110	
2.37	3.85	3.10		35.17	10/6/2022	3.01	350	-67	
2.3	3.84	3.09		35.17	10/7/2022	3.00	250	-100	
2.31	3.82	3.09		35.17	10/8/2022	2.97	250	-287	
2.27	4.05	3.09		35.17	10/9/2022	2.94	250	-287	
2.26	4.14	3.09		35.17	10/10/2022	2.93	250	-187	
2.27	4.17	3.09		35.22	10/11/2022	2.92	50	-113	
2.27	4.13	3.09		35.22	10/12/2022	2.91	50	-103	
2.27	4.09	3.09		35.22	10/13/2022	2.91	50	663	
2.27	4.28	3.10		36.45	10/14/2022	3.00	50	1277	
2.27	4.75	3.11		36.91	10/15/2022	3.07	50	1353	
2.26	4.84	3.12		36.91	10/16/2022	3.08	50	663	
2.27	4.96	3.14		36.91	10/17/2022	3.08	50	280	
2.25	4.97	3.14		37.01	10/18/2022	3.10	50	510	
2.24	4.92	3.14		37.13	10/19/2022	3.14	50	433	
2.24	4.92	3.16		37.13	10/20/2022	3.13	50	50	

WINNIPESAUKEE GRAPH DATA



Historical Lake Level Data.

Current Year Readings

Source: Dam Bureau Records

MSL Correction 500' + Lake Level

1982-2021		1982-2021	Cumulative Precip			Lake Level	Discharge	Estimated Inflow
Minimum Level	Maximum level	Mean Level	in Inches			in Feet	(CFS)	(CFS)
2.25	4.87	3.17	37.13	10/21/2022		3.10	50	-180
2.23	4.95	3.18	37.13	10/22/2022		3.11	50	-180
2.21	4.92	3.19	37.13	10/23/2022		3.10	50	280
2.21	4.95	3.20	37.15	10/24/2022		3.13	50	357
2.2	5.15	3.22	37.40	10/25/2022		3.15	50	663
2.15	5.23	3.22	37.55	10/26/2022		3.18	50	357
2.14	5.24	3.23	37.93	10/27/2022		3.17	50	280
2.13	5.22	3.23	37.93	10/28/2022		3.18	50	127
2.1	5.18	3.24	37.93	10/29/2022		3.19	50	50
2.08	5.16	3.24	37.93	10/30/2022		3.17	50	153
2.09	5.12	3.25	37.93	10/31/2022		3.17	590	223
2.08	5.04	3.24	37.93	11/1/2022		3.16	720	593
2.06	5.01	3.23	37.93	11/2/2022		3.15	930	400
2.04	4.95	3.23	37.93	11/3/2022		3.11	930	163
2.04	4.95	3.23	37.93	11/4/2022		3.06	930	87
2.04	4.8	3.23	37.93	11/5/2022		3.04	930	240
1.95	4.79	3.21	37.93	11/6/2022		3.02	930	623
1.98	4.72	3.20	38.25	11/7/2022		3.02	930	87
1.98	4.69	3.20	38.25	11/8/2022		2.93	930	13
1.95	4.7	3.19	38.25	11/9/2022		2.93	250	-750
1.91	4.63	3.19	38.25	11/10/2022		2.86	250	-287
1.88	4.56	3.17	38.25	11/11/2022		2.86	250	403
1.86	4.56	3.17	39.73	11/12/2022		2.95	250	1093
1.86	4.68	3.17	39.83	11/13/2022		2.97	250	1473
1.85	4.71	3.17	39.99	11/14/2022		3.02	238	246
1.84	4.7	3.17	39.99	11/15/2022		2.95	250	323
1.83	4.71	3.18	40.09	11/16/2022		2.98	250	-133
1.8	4.66	3.16	40.51	11/17/2022		2.97	250	250
1.79	4.68	3.17	40.51	11/18/2022		2.95	250	173
1.75	4.66	3.16	40.51	11/19/2022		2.97	250	-57
1.74	4.69	3.16	40.51	11/20/2022		2.93	250	-133
1.74	4.56	3.15	40.51	11/21/2022		2.90	250	-57
1.74	4.5	3.14	40.51	11/22/2022		2.93	250	177
1.73	4.49	3.14	40.51	11/23/2022		2.92	260	257
1.73	4.5	3.13	40.51	11/24/2022		2.90	260	180
1.73	4.46	3.14	40.51	11/25/2022		2.92	250	-283
1.72	4.52	3.16	40.61	11/26/2022		2.85	250	-57
1.71	4.48	3.16	40.61	11/27/2022		2.86	250	403
1.73	4.45	3.16	41.79	11/28/2022		2.94	250	1093
1.76	4.42	3.16	41.79	11/29/2022		2.96	250	1247
1.76	4.39	3.17	41.79	11/30/2022		2.99	250	1017
1.77	4.39	3.18	42.61	12/1/2022		3.04	250	863
1.76	4.42	3.18	42.61	12/2/2022		3.04	250	1017
1.77	4.39	3.19	42.61	12/3/2022		3.09	250	710
1.75	4.39	3.18	42.92	12/4/2022		3.10	250	1017
1.75	4.36	3.18	42.92	12/5/2022		3.14	250	787
1.74	4.34	3.19	42.92	12/6/2022		3.16	250	863
1.71	4.27	3.18	43.61	12/7/2022		3.18	250	863
1.73	4.23	3.19	44.00	12/8/2022		3.22	250	1323
1.73	4.2	3.18	44.00	12/9/2022		3.30	250	1247
1.71	4.19	3.18	44.00	12/10/2022		3.31	250	1170
1.72	4.12	3.18	44.00	12/11/2022		3.34	250	633
1.68	4.09	3.17	44.05	12/12/2022		3.35	250	173
1.69	4.27	3.20	44.05	12/13/2022		3.30	250	-57
1.72	4.34	3.20	44.05	12/14/2022		3.30	250	403
1.67	4.35	3.19	44.05	12/15/2022		3.37	250	1017
1.7	4.35	3.18	44.07	12/16/2022		3.40	250	1553
1.73	4.31	3.20	46.18	12/17/2022		3.47	250	1017
1.72	4.27	3.20	46.18	12/18/2022		3.47	250	710
1.75	4.23	3.19	46.18	12/19/2022		3.46	250	97
1.7	4.19	3.19	46.18	12/20/2022		3.45	250	437
1.69	4.15	3.19	46.18	12/21/2022		3.49	350	757
1.7	4.12	3.20	46.18	12/22/2022		3.50	750	1613
1.72	4.08	3.20	46.72	12/23/2022		3.58	750	3970
1.7	4.03	3.21	48.87	12/24/2022		3.91	750	4660
1.72	4.03	3.21	48.87	12/25/2022		4.01	750	4200
1.69	4.06	3.21	48.87	12/26/2022		4.03	750	1967
1.68	4.04	3.20	48.87	12/27/2022		4.06	950	1267
1.67	4.06	3.20	48.87	12/28/2022		4.06	950	1103
1.66	4.09	3.20	48.87	12/29/2022		4.05	950	950
1.61	4.06	3.19	48.87	12/30/2022		4.06	950	797
1.61	4.06	3.18	48.87	12/31/2022		4.04	950	1333