

## Thornton TARP System CSO Capture

	Date	M&O Yearly Storm Report #	Rainfall (inches)	Reservoir Start Elevation (ft. CCD)	Reservoir End Elevation (ft. CCD)	Reservoir Start Volume (MG)	Reservoir End Volume (MG)	Reservoir CSO Volume Captured (MG)	Reservoir Thorn Creek Volume Captured (MG)
1	11/26/2015 - 11/27/2015	36	1.16	-296	-279	36	447	411	
2	12/13/2015 - 12/15/2015	38	1.05	-280	-271	423	641	218	
3	12/23/2015 - 12/24/2015	40	0.58	-281	-274	399	568	169	
4	12/26/2015 - 12/28/2015	41	0.57	-276	-267	520	738	218	
5	12/28/2015 - 12/30/2015	42	1.91	-267	-228	738	1687	949	
6	3/24/2016 - 3/25/2016	4	1.01	-297	-287	0	254	254	
7	4/29/2016 - 5/2/2016	9, 10	0.67, 0.51	-297	-288	0	229	229	
8	5/25/2016 - 5/26/2016	15	0.25	-295	-286	60	278	218	
9	7/5/2016 - 7/6/2016	21	1.20	-294	-287	85	254	169	
10	7/15/2016 - 7/18/2016	23, 24, 25	0.96, 0.17, 1.09	-296	-289	36	205	169	
11	7/28/2016 - 8/1/2016	29, 30	1.16, 0.50	-272	-259	617	932	315	
12	8/12/2016 - 8/15/2016	31, 32	1.81, 0.38	-274	-264	568	811	243	
13	9/28/2016 - 10/3/2016	38	1.99	-294	-278	85	471	386	
14	10/6/2016 - 10/7/2016	39	0.86	-285	-276	302	520	218	
15	11/28/2016 - 11/29/2016	47	0.63	-297	-282	0	375	375	
16	1/16/2017 - 1/20/2017	3	0.89	-295	-275	60	544	484	
17	2/28/2017 - 3/02/2017	7	1.81	-297	-244	12	1297	1290	
18	3/29/2017 - 4/01/2017	10	2.13	-282	-224	375	1784	1410	
19	4/03/2017 - 4/04/2017	11	0.36	-228	-227	1687	1711	24	
20	4/05/2017 - 4/07/2017	12	1.30	-230	-184	1638	2814	1180	
21	4/29/2017 - 5/03/2017	16	3.00	-266	-199	762	2416	1650	
22	5/10/2017 - 5/12/2017	17	0.32	-193	-185	2575	2787	212	
23	5/23/2017 - 5/24/2017	21	0.61	-236	-235	1492	1516	24	
24	6/16/2017 - 6/16/2017	23	0.42	-279	-277	465	496	31	
25	6/28/2017 - 6/29/2017	26	0.10	-293	-286	109	278	169	
26	7/12/2017 - 7/13/2017	29	0.59	-288	-284	229	326	97	
27	7/20/2017 - 7/23/2017	30, 31	1.16, 1.47	-287	-276	254	520	266	
28	8/03/2017 - 8/04/2017	32	0.71	-291	-288	157	229	72	
29	10/10/2017 - 10/11/2017	37	1.44	-290	-284	181	326	145	
30	10/14/2017 - 10/16/2017	38	4.34	-287	-223	254	1809	1560	
31	10/22/2017 - 10/25/2017	39, 40	1.67, 0.50	-252	-218	1102	1931	829	
32	11/17/2017 - 11/20/2017	44	1.23	-287	-268	254	714	460	
33	2/19/2018 - 2/24/2018	2	2.75	-292	-174	133	3080	2950	
34	5/14/2018 - 5/15/2018	9, 10	0.36, 1.00	-287	-273	254	592	338	
35	5/21/2018 - 5/22/2018	11	0.93	-284	-281	326	399	73	
36	6/09/2018 - 6/11/2018	14, 15	0.38, 1.07	-299	-293	0	109	109	
37	6/21/2018 - 6/23/2018	17	3.35	-294	-222	85	1833	1750	
38	6/26/2018 - 6/27/2018	18	0.51	-236	-234	1492	1540	48	
39	7/05/2018 - 7/06/2018	19	1.25	-268	-259	714	932	218	
40	9/02/2018 - 9/04/2018	28	0.83	-288	-276	229	520	291	
41	10/10/2018 - 10/11/2018	35	0.98	-289	-286	205	278	73	
42	11/25/2018 - 11/27/2018	39	0.73	-288	-280	229	423	194	
43	12/01/2018 - 12/02/2018	40	0.68	-288	-285	229	302	73	
44	12/31/2018 - 1/01/2019	43	0.70	-288	-286	229	278	49	
45	2/06/2019 - 2/08/2019	3, 4	0.40, 0.39	-285	-275	302	544	242	
46	2/11/2019 - 2/13/2019	N/A	0.16, 0.41	-282	-276	375	520	145	
47	3/14/2019 - 3/15/2019	7, 8, 9	0.25, 0.21, 0.36	-288	-284	229	326	97	
48	3/30/2019 - 3/31/2019	10	0.73	-288	-284	229	326	97	
49	4/14/2019 - 4/16/2019	13	0.75	-299	-291	0	157	157	
50	4/18/2019 - 4/19/2019	14	0.55	-292	-288	133	229	96	
51	4/27/2019 - 5/04/2019	15, 16, 17, 18	0.85, 1.3, 2.1, 0.38	-299	-166	0	3292	3290	
52	5/08/2019 - 5/10/2019	19, 20	0.38, 1.16	-171	-154	3159	3612	453	
53	5/18/2019 - 5/19/2019	21	0.51	-189	-186	2681	2761	80	
54	5/21/2019 - 5/23/2019	22	0.81	-195	-180	2522	2920	398	
55	5/27/2019 - 5/31/2019	23, 24, 25	2.02, 0.82, 0.28	-199	-132	2416	4201	1790	
56	6/01/2019 - 6/02/2019	26	0.71	-133	-129	4174	4281	107	
57	6/07/2019 - 6/08/2019	N/A	0.00	-149	-147	3746	3799	53	
58	6/14/2019 - 6/15/2019	N/A	0.02, 0.29	-184	-181	2814	2894	80	
59	6/19/2019 - 6/20/2019	30	0.65	-199	-195	2416	2522	106	
60	6/23/2019 - 6/24/2019	31	0.38	-211	-209	2102	2152	50	
61	7/2/2019 - 7/3/2019	33	0.92	-192	-191	2602	2628	26	
62	7/17/2019 - 7/20/2019	34, 35	0.62, 0.94	-268	-248	714	1199	485	
63	7/21/2019 - 7/22/2019	36	0.55	-251	-249	1126	1175	49	
64	7/30/2019 - 7/31/2019	37	0.86	-269	-267	689	738	49	
65	8/1/2019 - 8/2/2019	N/A	0.00	-271	-269	641	689	48	
66	8/11/2019 - 8/12/2019	38	0.42	-286	-285	278	302	24	
67	8/18/2019 - 8/19/2019	39	1.11	-290	-276	181	520	339	
68	9/21/2019 - 9/22/2019	46	1.28	-286	-284	278	326	48	
69	9/27/2019 - 10/1/2019	47, 48	2.42, 0.96	-273	-191	592	2628	2040	
70	10/2/2019 - 10/3/2019	49	0.53	-192	-189	2602	2681	79	
71	10/10/2019 - 10/11/2019	51	0.45	-224	-222	1784	1833	49	
72	10/26/2019 - 10/28/2019	52	2.35	-293	-260	109	908	799	
73	11/1/2019 - 11/4/2019	53	1.25	-269	-228	689	1687	998	
74	11/21/2019 - 11/22/2019	54	0.47	-287	-283	254	350	96	
75	1/10/2020 - 1/12/2020	1	1.46	-290	-259	181	932	751	
76	1/18/2020 - 1/19/2020	N/A	0.05	-272	-270	617	665	48	
77	2/27/2020 - 2/28/2020	N/A	N/A	-290	-289	181	205	24	
78	3/1/2020 - 3/2/2020	N/A	N/A	-291	-290	157	181	24	
79	4/28/2020 - 5/2/2020	9, 10	0.32, 2.23	-290	-233	254	1565	1310	
80	5/14/2020 - 5/17/2020	12	1.79	-288	-269	229	689	460	
81	5/17/2020 - 5/20/2020	13	3.52	-269	-169	689	3213	2520	

## Thornton TARP System CSO Capture

82	5/23/2020 - 5/25/2020	14	0.71	-176	-160	3026	3452	426	
83	5/28/2020 - 5/29/2020	15	0.42	-171	-169	3159	3213	54	
84	6/22/2020 - 6/23/2020	17, 18	0.23, 0.98	-273	-267	592	738	146	
85	6/26/2020 - 6/27/2020	19	1.00	-281	-273	399	592	193	
86	7/10/2020 - 7/11/2020	20	0.46	-283	-282	350	375	25	
87	8/2/2020 - 8/3/2020	23	0.66	-287	-286	254	278	24	
88	10/21/2020 - 10/24/2020	30	0.17, 1.69, 0.50	-288	-279	229	447	218	
89	12/11/2020 - 12/13/2020	35	1.42	-289	-279	205	447	242	
90	2/23/2021 - 3/2/2021	N/A	N/A	-290	-269	181	689	508	
91	3/26/2021 - 3/27/2021	2	0.24	-287	-282	254	375	121	
92	4/1/2021 - 4/2/2021	N/A	N/A	-287	-282	254	375	121	
93	4/8/2021 - 4/9/2021	3	0.48	-287	-282	254	375	121	
94	4/14/2021 - 4/15/2021	N/A	N/A	-287	-282	254	375	121	
95	5/10/2021 - 5/11/2021	6	1.39	-287	-271	254	641	387	
96	6/25/2021 - 7/2/2021	12, 13, 14, 15, 16	0.47, 1.01, 1.61, 2.16, 0.38	-288	-165	229	3319	3090	
97	7/24/2021 - 7/25/2021	19	0.51	-267	-266	738	762	24	
98	7/28/2021 - 7/29/2021	NA	0.13, 0.08	-269	-262	689	859	170	
99	8/10/2021 - 8/12/2021	20	0.48	-287	-279	254	447	193	
100	8/24/2021 - 8/26/2021	21, 22	0.63, 0.61	-282	-274	375	568	193	
			0.04, 0.01, 0.01, 0.03, 0.07, 0.04, 0.05						
101	8/30/2021 - 9/21/2021	NA		-285	-270	302	665	363	
102	10/3/2021 - 10/4/2021	N/A	0.27, 0.29, 0.14	-293	-288	109	229	120	
103	10/10/2021 - 10/12/2021	25, 27	0.55, 1.25	-289	-280	205	423	218	
104	10/13/2021 - 10/14/2021	28	0.46	-281	-276	399	520	121	
105	10/24/2021 - 10/26/2021	29	3.08	-287	-232	254	1589	1340	
106	10/28/2021 - 10/31/2021	30	1.17	-235	-209	1516	2152	636	
107	11/24/2021 - 11/25/2021	N/A	0.05, 0.02	-288	-283	229	350	121	
108	12/10/2021 - 12/15/2021	33	0.85	-283	-271	350	641	291	
109	2/16/2022 - 2/19/2022	1	0.89	-283	-254	350	1054	704	
110	2/21/2022 - 2/24/2022	2	0.70	-255	-232	1029	1589	560	
111	3/7/2022 - 3/8/2022	N/A	0.02, 0.18	-257	-254	981	1054	73	
112	3/18/2022 - 3/19/2022	3	0.78	-266	-263	762	835	73	
113	3/30/2022 - 4/9/2022	5, 6, 7	1.80, 0.26, 0.50	-284	-234	326	1540	1210	
114	4/24/2022 - 4/25/2022	N/A	0.34	-282	-281	375	399	24	
115	4/30/2022 - 5/1/2022	10	0.61	-303	-291	0	157	157	
116	5/3/2022 - 5/7/2022	11, 12	1.28, 0.70	-300	-266	0	762	618	
	5/3/2022-5/4/2022 <sup>30</sup>	11, 12	1.28, 0.70						144
117	5/20/2022 - 5/21/2022	13, 14	0.33, 0.70	-305	-296	0	36	36	
118	5/24/2022 - 5/28/2022	15	0.66	-304	-292	0	133	133	
119	6/2/2022 - 6/5/2022	N/A	N/A	-302	-296	0	36	36	
120	6/6/2022 - 6/7/2022	16	1.27	-299	-288	0	229	229	
121	6/12/2022 - 6/14/2022	18	0.19	-303	-297	0	12	12	
122	6/28/2022 - 7/1/2022	N/A	0.13	-302	-296	0	36	36	
123	7/4/2022 - 7/5/2022	20	0.90	-302	-289	0	205	205	
124	7/15/2022 - 7/17/2022	22, 23	0.68, 0.78	-300	-285	0	302	302	
125	7/21/2022 - 7/25/2022	24	1.55	-303	-286	0	278	278	
126	8/4/2022 - 8/8/2022	26	1.16	-302	-281	0	399	399	
127	8/19/2022 - 8/21/2022	27	0.55	-302	-293	0	109	109	
128	8/23/2022 - 8/25/2022	N/A	0.11	-299	-296	0	36	36	
129	8/29/2022 - 8/30/2022	28	0.59	-298	-291	0	157	157	
130	9/10/2022 - 9/12/2022	29	0.86	-301	-289	0	205	205	
131	9/16/2022 - 9/21/2022	30	0.05	-303	-296	0	36	36	
132	10/12/2022 - 10/14/2022	31	0.61	-303	-297	0	12	12	
133	10/23/2022 - 10/26/2022	32	1.03	-303	-289	0	205	205	
134	11/1/2022 - 11/5/2022	33	0.27	-302	-295	0	60	60	
135	11/26/2022 - 11/29/2022	34	0.35	-302	-296	0	36	36	
136	12/8/2022 - 12/12/2022	35	0.27	-302	-295	0	60	60	
137	12/13/2022 - 12/17/2022	36	0.95	-296	-283	36	350	314	
138	1/4/2023 - 1/5/2023	1	0.62	-283	-282	350	375	25	
139	2/9/2023 - 2/10/2023	3	0.73	-282	-276	375	520	145	
140	2/16/2023 - 2/17/2023	4	0.20	-291	-290	157	181	24	
141	2/22/2023 - 2/24/2023	5	0.77	-298	-295	0	60	60	
142	2/27/2023 - 2/28/2023	6	0.59	-296	-295	36	60	24	
143	3/18/2023 - 3/19/2023	7	0.28	-296	-295	36	60	24	
144	3/31/2023 - 4/2/2023	10	0.39	-295	-268	60	714	654	
145	4/22/2023 - 4/23/2023	12	0.20	-298	-297	0	12	12	
146	4/26/2023 - 4/27/2023	N/A	0.10	-297	-296	12	36	24	
147	5/12/2023 - 5/13/2023	N/A	0.30	-296	-295	36	60	24	
148	7/1/2023 - 7/2/2023	16	3.51	-295	-266	60	762	702	
149	7/5/2023 - 7/6/2023	17	1.89	-270	-239	665	1418	753	
	7/12/2023 - 7/13/2023 <sup>24</sup>	18	1.33						454
150	7/11/2023 - 7/13/2023	18	1.33	-254	-201	1054	2363	855	
151	7/28/2023 - 7/29/2023	22, 23	0.35, 0.66	-268	-263	714	835	121	
152	8/5/2023 - 8/6/2023	24	0.66	-292	-291	133	157	24	
153	8/13/2023 - 8/14/2023	25	1.06	-295	-294	60	85	25	
154	8/17/2023 - 8/18/2023	26	0.33	-295	-294	60	85	25	
155	9/6/2023 - 9/7/2023	27	0.54	-295	-294	60	85	25	
156	9/17/2023 - 9/18/2023	29	1.57	-295	-257	60	981	654	
	9/17/2023 - 9/18/2023 <sup>31</sup>	29	1.57						267
157	10/5/2023-10/6/2023	32	0.27	-296	-295	36	60	24	
158	10/14/2023-10/15/2023	34	0.99	-295	-283	60	350	290	
159	10/24/2023-10/28/2023	35	0.28	-283	-279	350	447	97	
160	11/1/2023 - 11/2/2023	N/A	0.04, 0.04	-288	-285	229	302	73	

## Thornton TARP System CSO Capture

161	12/17/2023 - 12/18/2023	39	0.55		-295	-294	60	85	25	
162	1/9/2024-1/10/2024	1	0.74		-294	-286	85	278	193	
163	1/12/2024-1/13/2024	2	0.91		-290	-283	181	350	169	
164	1/22/2024-1/25/2024	3	0.37		-298	-287	0	254	254	
	1/25/2024-1/28/2024 <sup>25</sup>	4	0.52							672
165	1/25/2024-1/28/2024	4	0.52		-287	-252	254	1102	176	
166	2/27/2024-2/29/2024	5	0.41		-295	-293	60	109	49	
167	3/6/2024-3/9/2024	6, 7	0.59, 0.86		-295	-289	60	205	145	
	3/9/2024-3/10/2024 <sup>26</sup>	N/A	N/A		-289	-277				418
168	3/14/2024-3/15/2024	8	1.15		-298	-277	0	496	496	
169	3/24/2024-3/26/2024	9	0.53		-296	-295	36	60	24	
170	3/29/2024-3/30/2024	10	0.77		-295	-275	60	544	282	
171	3/31/2024-4/4/2024	11, 12, 13	0.68, 0.46, 0.26		-280	-227	423	1711	0	
	4/1/2024-4/4/2024 <sup>28</sup>	12, 13	0.46, 0.26							1490
172	4/28/2024-4/30/2024	16, 17	1.05, 0.94		-295	-272	60	617	557	
173	5/7/2024-5/9/2024	20	0.73		-299	-295	0	60	60	
174	5/13/2024-5/14/2024	22	0.40		-295	-294	60	85	25	
175	5/24/2024-5/25/2024	23	0.53		-295	-293	60	109	49	
176	5/26/2024-5/27/2024	24	0.68		-293	-285	109	302	193	
177	5/28/2024-5/29/2024	25	0.38		-285	-283	302	350	48	
	6/5/2024-6/6/2024 <sup>29</sup>	N/A	N/A							186
178	6/9/2024-6/10/2024	N/A	0.16		-276	-275	520	544	24	
179	6/22/2024-6/23/2024	28	1.30		-282	-274	375	568	193	
180	7/13/2024-7/16/2024	32, 33, 34	1, 1.29, 0.30		-295	-274	60	568	508	
181	7/23/2024-7/25/2024	35	0.38		-298	-295	0	60	60	
182	8/17/2024-8/18/2024	37, 38, 39	1.04, 0.20, 0.56		-295	-294	60	85	25	
183	11/13/2024-11/14/2024	N/A	0.22, 0.07		-294	-293	85	109	24	
	11/21/2024-11/22/2024	N/A	0.44, 0.08, 0.05, 0.08		-294	-293	85	109	24	
185	4/2/2025-4/4/2025	N/A	2.05, 0.14		-292	-236	133	1492	810	
	4/2/2025-4/3/2025 <sup>32</sup>	N/A	2.05, 0.14							549
186	5/1/2025-5/2/2025	N/A	0.32		-295	-294	60	85	25	
187	7/30/2025-7/31/2025	22	0.64		-294	-293	85	109	24	
188	8/12/2025-8/13/2025	23	1.05		-294	-293	85	109	24	
189	8/16/2025-8/20/2025	24, 25	1.59, 2.09		-293	-215	109	2004	1460	
	8/19/2025-8/19/2025 <sup>33</sup>	24, 25	1.59, 2.09							438
190	9/13/2025-9/14/2025	27	0.40		-296	-295	36	60	24	
191	10/6/2025-10/7/2025	28	1.32		-295	-294	60	85	25	
192	11/19/2025-11/20/2025	31	0.13		-295	-294	85	109	24	
193	12/28/2025-12/29/2025	N/A	1.19		-293	-283	109	350	241	
								<b>TOTAL (BG)</b>	<b>65</b>	<b>5</b>

**Note:**

Thornton Transitional Reservoir was decommissioned 9/22/22.

Thorn Creek Overflow Tunnel was online 9/22/2022.

Rainfall (inches) for South Basin from M&O Div 600 Waterway Synopsis Storm Report

**Non-CSO Fill Events (Not Included in Total):**

<sup>24</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 7/12 to 7/13)

<sup>25</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 1/25 to 1/27)

<sup>26</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened/closed on 3/10)

<sup>28</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 4/1 to 4/4)

<sup>29</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 6/5 to 6/6)

<sup>30</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 5/3/22 to 5/4/22)

<sup>31</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 9/17/2023 to 9/18/2023)

<sup>32</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 4/2 to 4/3/2025)

<sup>33</sup> Thorn Creek Diversion Tunnel water drained into TCR (Gates were opened from 8/19/2025)