Houghton Lake Dam Data for Oct 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	0%	0%	0%	17%	0%	0%	0.03	0.0	7.79
2	0%	0%	0%	17%	0%	0%	0.00	0.0	7.84
3	0%	0%	0%	17%	0%	0%	0.00	0.0	7.8
4	0%	0%	0%	17%	0%	0%	Т	0.0	7.77
5	0%	0%	0%	17%	0%	0%	0.00	0.0	7.86
6	0%	0%	0%	17%	0%	0%	Т	0.0	7.71
7	0%	0%	0%	17%	0%	0%	0.01	0.0	7.7
8	0%	0%	0%	17%	0%	0%	0.00	0.0	7.68
9	0%	0%	0%	17%	0%	0%	0.00	0.0	7.66
10	0%	0%	0%	17%	0%	0%	0.00	0.0	7.62
11	0%	0%	0%	17%	0%	0%	0.01	0.0	7.58
12	0%	0%	0%	17%	0%	0%	0.00	0.0	7.6
13	0%	0%	0%	17%	0%	0%	0.00	0.0	7.59
14	0%	0%	0%	17%	0%	0%	T	0.0	7.55
15	0%	0%	0%	17%	0%	0%	0.02	0.0	7.48
16	0%	0%	0%	17%	0%	0%	0.00	0.0	7.52
17	0%	0%	0%	17%	0%	0%	0.00	0.0	7.56
18	0%	0%	0%	17%	0%	0%	0.00	0.0	7.56
19	0%	0%	0%	17%	0%	0%	0.00	0.0	7.55
20	0%	0%	0%	17%	0%	0%	0.00	0.0	7.54
21	0%	0%	0%	17%	0%	0%	0.00	0.0	7.53
22	0%	0%	0%	17%	0%	0%	T	0.0	7.56
23	0%	0%	0%	17%	0%	0%	0.01	0.0	7.44
24	0%	0%	0%	17%	0%	0%	0.00	0.0	7.52
25	0%	0%	0%	17%	0%	0%	0.07	0.0	7.5
26	0%	0%	0%	17%	0%	0%	T	0.0	7.46
27	0%	0%	0%	17%	0%	0%	0.00	0.0	7.49
28	0%	0%	0%	17%	0%	0%	0.00	0.0	7.53
29	0%	0%	0%	17%	0%	0%	T	0.0	7.57
30	0%	0%	0%	17%	0%	0%	0.02	0.0	7.57
31									

Houghton Lake Dam Data for Sep 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	0%	0%	0%	0%	0%	0%	Т	0.0	8.06
2	0%	0%	0%	0%	0%	0%	0.00	0.0	8.1
3	0%	0%	0%	0%	0%	0%	0.00	0.0	8.11
4	0%	0%	0%	0%	0%	0%	0.00	0.0	8.11
5	0%	0%	0%	0%	0%	0%	Т	0.0	8.08
6	0%	0%	0%	17%	0%	0%	0.02	0.0	7.94
7	0%	0%	0%	17%	0%	0%	T	0.0	7.92
8	0%	0%	0%	17%	0%	0%	Т	0.0	7.97
9	0%	0%	0%	17%	0%	0%	0.00	0.0	7.96
10	0%	0%	0%	17%	0%	0%	0.00	0.0	7.99
11	0%	0%	0%	17%	0%	0%	Т	0.0	7.98
12	0%	0%	0%	17%	0%	0%	0.00	0.0	7.98
13	0%	0%	0%	17%	0%	0%	0.00	0.0	7.98
14	0%	0%	0%	17%	0%	0%	0.00	0.0	7.98
15	0%	0%	0%	17%	0%	0%	0.00	0.0	7.97
16	0%	0%	0%	17%	0%	0%	0.00	0.0	7.96
17	0%	0%	0%	17%	0%	0%	0.00	0.0	7.95
18	0%	0%	0%	17%	0%	0%	0.00	0.0	7.94
19	0%	0%	0%	17%	0%	0%	0.00	0.0	7.94
20	0%	0%	0%	17%	0%	0%	0.01	0.0	7.94
21	0%	0%	0%	17%	0%	0%	0.00	0.0	7.89
22	0%	0%	0%	17%	0%	0%	0.26	0.0	7.87
23	0%	0%	0%	17%	0%	0%	0.00	0.0	7.88
24	0%	0%	0%	17%	0%	0%	0.21	0.0	7.88
25	0%	0%	0%	17%	0%	0%	0.24	0.0	7.83
26	0%	0%	0%	17%	0%	0%	0.00	0.0	7.91
27	0%	0%	0%	17%	0%	0%	0.00	0.0	7.9
28	0%	0%	0%	17%	0%	0%	0.00	0.0	7.86
29	0%	0%	0%	17%	0%	0%	0.00	0.0	7.86
30	0%	0%	0%	17%	0%	0%	0.00	0.0	7.87
31									

Houghton Lake Dam Data for Aug 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	0%	0%	0%	0%	0%	0%	0.00	0.0	8.16
2	0%	0%	0%	0%	0%	0%	0.00	0.0	8.15
3	0%	0%	0%	0%	0%	0%	0.00	0.0	8.1
4	0%	0%	0%	0%	0%	0%	0.00	0.0	8.13
5	0%	0%	0%	0%	0%	0%	0.06	0.0	8.09
6	0%	0%	0%	0%	0%	0%	0.68	0.0	8.14
7	0%	0%	0%	0%	0%	0%	0.00	0.0	8.18
8	0%	0%	0%	0%	0%	0%	0.00	0.0	8.15
9	0%	0%	0%	0%	0%	0%	0.00	0.0	8.09
10	0%	0%	0%	0%	0%	0%	0.00	0.0	8.08
11	0%	0%	0%	0%	0%	0%	0.06	0.0	8.05
12	0%	0%	0%	0%	0%	0%	0.00	0.0	8.09
13	0%	0%	0%	0%	0%	0%	0.00	0.0	8.10
14	0%	0%	0%	0%	0%	0%	0.00	0.0	8.10
15	0%	0%	0%	0%	0%	0%	T	0.0	8.13
16	0%	0%	0%	0%	0%	0%	0.85	0.0	8.2
17	0%	0%	0%	0%	0%	0%	0.24	0.0	8.17
18	0%	0%	0%	0%	0%	0%	0.08	0.0	8.19
19	0%	0%	0%	0%	0%	0%	0.00	0.0	8.16
20	0%	0%	0%	0%	0%	0%	0.00	0.0	8.18
21	0%	0%	0%	0%	0%	0%	0.00	0.0	8.18
22	0%	0%	0%	0%	0%	0%	0.00	0.0	8.19
23	0%	0%	0%	0%	0%	0%	T	0.0	8.19
24	0%	0%	0%	0%	0%	0%	0.00	0.0	8.19
25	0%	0%	0%	0%	0%	0%	0.00	0.0	8.2
26	0%	0%	0%	0%	0%	0%	0.00	0.0	8.2
27	0%	0%	0%	0%	0%	0%	0.16	0.0	8.18
28	0%	0%	0%	0%	0%	0%	0.00	0.0	8.2
29	0%	0%	0%	0%	0%	0%	T	0.0	8.21
30	0%	0%	0%	0%	0%	0%	0.07	0.0	8.20
31	0%	0%	0%	0%	0%	0%	0.00	0.0	8.15

Houghton Lake Dam Data for Jul 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	0%	0%	100%	17%	0%	0%	0.00	0.0	8.17
2	0%	0%	100%	17%	0%	0%	0.02	0.0	8.21
3	0%	0%	100%	17%	0%	0%	0.06	0.0	8.14
4	0%	0%	100%	17%	0%	0%	Т	0.0	8.13
5	0%	0%	100%	17%	0%	0%	0.41	0.0	8.15
6	0%	0%	100%	17%	0%	0%	0.20	0.0	8.19
7	0%	0%	100%	17%	0%	0%	0.00	0.0	8.28
8	0%	0%	100%	17%	0%	0%	0.03	0.0	8.28
9	0%	0%	100%	17%	0%	0%	0.00	0.0	8.22
10	0%	0%	0%	17%	0%	0%	0.42	0.0	8.21
11	0%	0%	0%	17%	0%	0%	T	0.0	8.23
12	0%	0%	0%	17%	0%	0%	Т	0.0	8.22
13	0%	0%	0%	17%	0%	0%	0.00	0.0	8.20
14	0%	0%	0%	17%	0%	0%	0.01	0.0	8.18
15	0%	0%	0%	17%	0%	0%	0.05	0.0	8.13
16	0%	0%	0%	17%	0%	0%	0.01	0.0	8.1
17	0%	0%	0%	17%	0%	0%	0.11	0.0	8.11
18	0%	0%	0%	0%	0%	0%	0.00	0.0	8.12
19	0%	0%	0%	0%	0%	0%	0.00	0.0	8.09
20	0%	0%	0%	0%	0%	0%	0.00	0.0	8.1
21	0%	0%	0%	0%	0%	0%	0.00	0.0	8.1
22	0%	0%	0%	0%	0%	0%	0.37	0.0	8.07
23	0%	0%	0%	0%	0%	0%	0.20	0.0	8.02
24	0%	0%	0%	0%	0%	0%	0.02	0.0	8.03
25	0%	0%	0%	0%	0%	0%	0.00	0.0	8.06
26	0%	0%	0%	0%	0%	0%	0.00	0.0	8.06
27	0%	0%	0%	0%	0%	0%	0.00	0.0	8.05
28	0%	0%	0%	0%	0%	0%	0.00	0.0	8.03
29	0%	0%	0%	0%	0%	0%	0.91	0.0	8.02
30	0%	0%	0%	0%	0%	0%	0.03	0.0	8.05
31	0%	0%	0%	0%	0%	0%	1.21	0.0	8.10

Houghton Lake Dam Data for Jun 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	0%	0%	100%	17%	0%	0%	0.58	0.0	8.16
2	0%	0%	100%	17%	0%	0%	0.26	0.0	8.19
3	0%	0%	100%	17%	0%	0%	0.00	0.0	8.22
4	0%	0%	100%	17%	0%	0%	Т	0.0	8.22
5	0%	0%	100%	17%	0%	0%	0.22	0.0	8.23
6	0%	0%	100%	0%	0%	0%	0.08	0.0	8.15
7	0%	0%	100%	0%	0%	0%	Т	0.0	8.11
8	0%	0%	100%	0%	0%	0%	0.27	0.0	8.16
9	0%	0%	100%	0%	0%	0%	Т	0.0	8.07
10	0%	0%	0%	0%	0%	0%	Т	0.0	8.08
11	0%	0%	0%	0%	0%	0%	Т	0.0	8.17
12	0%	0%	0%	0%	0%	0%	0.00	0.0	8.18
13	0%	0%	0%	0%	0%	0%	Т	0.0	8.15
14	0%	0%	0%	0%	0%	0%	0.00	0.0	8.13
15	0%	0%	0%	0%	0%	0%	0.00	0.0	8.19
16	0%	0%	0%	0%	0%	0%	0.04	0.0	8.19
17	0%	0%	0%	17%	0%	0%	0.00	0.0	8.15
18	0%	0%	0%	17%	0%	0%	Т	0.0	8.18
19	0%	0%	0%	17%	0%	0%	Т	0.0	8.14
20	0%	0%	0%	17%	0%	0%	Т	0.0	8.12
21	0%	0%	0%	17%	0%	0%	0.68	0.0	8.13
22	0%	0%	0%	17%	0%	0%	1.35	0.0	8.22
23	100%	100%	0%	17%	0%	100%	Т	0.0	8.17
24	100%	100%	0%	17%	0%	100%	0.00	0.0	8.22
25	100%	100%	0%	17%	0%	100%	0.30	0.0	8.24
26	100%	100%	0%	17%	0%	100%	T	0.0	8.19
27	100%	100%	0%	17%	0%	100%	0.00	0.0	8.18
28	0%	0%	0%	17%	0%	0%	0.11	0.0	8.27
29	0%	0%	0%	17%	0%	0%	0.09	0.0	8.17
30	0%	0%	0%	17%	0%	0%	T	0.0	8.04
31									

Houghton Lake Dam Data for May 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	100%	100%	100%	100%	100%	100%	0.09	0.0	8.24
2	100%	100%	100%	100%	100%	100%	T	0.0	8.27
3	100%	100%	100%	100%	100%	100%	0.12	0.0	8.26
4	100%	100%	100%	100%	100%	100%	0.00	0.0	8.29
5	100%	100%	100%	100%	100%	100%	0.01	0.0	8.21
6	100%	100%	100%	100%	100%	100%	0.00	0.0	8.27
7	100%	100%	100%	100%	100%	100%	0.06	0.0	8.28
8	100%	100%	100%	100%	100%	100%	0.04	0.0	8.19
9	100%	100%	100%	100%	100%	100%	0.02	0.0	8.23
10	100%	100%	100%	100%	100%	100%	0.00	0.0	8.2
11	100%	100%	100%	100%	100%	100%	0.21	0.0	8.12
12	100%	100%	100%	100%	100%	100%	Т	0.0	8.21
13	100%	100%	100%	100%	100%	100%	0.06	0.0	8.18
14	100%	100%	100%	100%	100%	100%	0.00	0.0	8.19
15	100%	100%	100%	100%	100%	100%	0.00	0.0	8.16
16	100%	100%	100%	100%	100%	100%	0.00	0.0	8.16
17	100%	100%	100%	100%	100%	100%	0.00	0.0	8.14
18	100%	100%	100%	100%	100%	100%	0.00	0.0	8.13
19	100%	100%	100%	100%	100%	0%	0.00	0.0	8.09
20	100%	100%	100%	100%	100%	0%	Δ	0.0	8.11
21	100%	100%	100%	100%	100%	0%	0.00	0.0	8.23
22	100%	100%	100%	100%	100%	0%	T	0.0	8.23
23	100%	100%	100%	100%	100%	0%	0.00	0.0	8.14
24	100%	100%	100%	100%	100%	0%	T	0.0	8.19
25	0%	0%	100%	17%	0%	0%	0.07	0.0	8.15
26	0%	0%	100%	17%	0%	0%	0.03	0.0	8.2
27	0%	0%	100%	17%	0%	0%	0.44	0.0	8.15
28	0%	0%	100%	17%	0%	0%	T	0.0	8.13
29	0%	0%	100%	17%	0%	0%	0.00	0.0	8.12
30	0%	0%	100%	17%	0%	0%	0.00	0.0	8.15
31	0%	0%	100%	17%	0%	0%	0.00	0.0	8.14

Houghton Lake Dam Data for April 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in								
1	100%	100%	100%	100%	100%	100%	0.00	1.0	8.23
2	100%	100%	100%	100%	100%	100%	0.64	T	8.28
3	100%	100%	100%	100%	100%	100%	0.06	T	8.31
4	100%	100%	100%	100%	100%	100%	0.08	Т	8.26
5	100%	100%	100%	100%	100%	100%	0.00	0.0	8.22
6	100%	100%	100%	100%	100%	100%	0.00	0.0	8.25
7	100%	100%	100%	100%	100%	100%	0.03	0.0	8.31
8	100%	100%	100%	100%	100%	100%	Т	0.0	8.31
9	100%	100%	100%	100%	100%	100%	T	0.0	8.25
10	100%	100%	100%	100%	100%	100%	0.00	0.0	8.25
11	100%	100%	100%	100%	100%	100%	0.21	0.0	8.2
12	100%	100%	100%	100%	100%	100%	0.34	Т	7.97
13	100%	100%	100%	100%	100%	100%	Т	0.0	8.18
14	100%	100%	100%	100%	100%	100%	0.17	0.0	8.24
15	100%	100%	100%	100%	100%	100%	0.00	0.0	8.23
16	100%	100%	100%	100%	100%	100%	Т	Т	8.3
17	100%	100%	100%	100%	100%	100%	0.66	0.0	8.33
18	100%	100%	100%	100%	100%	100%	0.15	0.0	8.26
19	100%	100%	100%	100%	100%	100%	Т	0.0	8.22
20	100%	100%	100%	100%	100%	100%	Т	Т	8.21
21	100%	100%	100%	100%	100%	100%	0.00	0.0	8.2
22	100%	100%	100%	100%	100%	100%	0.00	0.0	8.27
23	100%	100%	100%	100%	100%	100%	0.13	0.0	8.2
24	100%	100%	100%	100%	100%	100%	Т	Т	8.18
25	100%	100%	100%	100%	100%	100%	0.00	0.0	8.23
26	100%	100%	100%	100%	100%	100%	T	0.0	8.26
27	100%	100%	100%	100%	100%	100%	0.18	T	8.23
28	100%	100%	100%	100%	100%	100%	0.29	0.0	8.2
29	100%	100%	100%	100%	100%	100%	0.53	0.0	8.25
30	100%	100%	100%	100%	100%	100%	0.00	0.0	8.24
31									

Houghton Lake Dam Data for March 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event Summer Level 8.10 Winter Level 7.60

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in			
1	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	1.0	7.96
2	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
3	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.98
4	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.17	0.0	7.94
5	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.90	0.0	7.97
6	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	8.02
7	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	8.06
8	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.78	0.0	8.07
9	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.17	Т	8.03
10	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.02	0.5	7.96
11	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	8.17
12	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	8.19
13	67%, 2 boards in	100%	67%, 2/6 boards in	100%	100%	67%, 2 boards in	0.00	0.0	8.18
14	67%, 2 boards in	100%	67%, 2/6 boards in	100%	100%	67%, 2 boards in	0.79	0.0	8.20
15	67%, 2 boards in	100%	100%	100%	100%	67%, 2 boards in	0.00	0.0	8.21
16	67%, 2 boards in	100%	100%	100%	100%	67%, 2 boards in	T	T	8.23
17	67%, 2 boards in	100%	100%	100%	100%	67%, 2 boards in	Т	Т	8.15
18	67%, 2 boards in	100%	100%	100%	100%	67%, 2 boards in	T	T	8.16
19	67%, 2 boards in	100%	100%	100%	100%	67%, 2 boards in	Т	Т	8.22
20	100%	100%	100%	100%	100%	100%	0.02	0.4	8.06
21	100%	100%	100%	100%	100%	100%	0.00	0.0	8.21
22	100%	100%	100%	100%	100%	100%	0.12	1.9	8.24
23	100%	100%	100%	100%	100%	100%	0.00	0.0	8.18
24	100%	100%	100%	100%	100%	100%	0.05	0.3	8.29
25	100%	100%	100%	100%	100%	100%	0.00	0.0	8.27
26	100%	100%	100%	100%	100%	100%	0.43	0.0	8.35
27	100%	100%	100%	100%	100%	100%	T	T	8.24
28	100%	100%	100%	100%	100%	100%	0.00	0.0	8.23
29	100%	100%	100%	100%	100%	100%	0.00	0.0	8.21
30	100%	200%	100%	100%	100%	100%	0.08	0.0	8.25
31	100%	300%	100%	100%	100%	100%	T	T	8.23

Houghton Lake Dam Data for February 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event

Summer Level 8.10 Winter Level 7.60

Yellow highlighted column indiciates incorrect board count found on 3/12/24

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in			
1	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.02	0.0	7.90
2	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.93
3	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.93
4	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
5	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.92
6	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
7	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
8	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
9	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.08	0.0	7.93
10	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.01	Т	7.93
11	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
12	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.94
13	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	T	7.90
14	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
15	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.37	4.3	7.93
16	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.04	1	7.94
17	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.01	0.2	7.95
18	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	T	7.94
19	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.94
20	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.94
21	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
22	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.92
23	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.89
24	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.89
25	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.91
26	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.91
27	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.89
28	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.93	0.3	7.61
29	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.90
30									
31									

Houghton Lake Dam Data for January 2024 Highlighted day indicates change in boards and or gates/ GAGE highlight indicates seiche event

Summer Level 8.10 Winter Level 7.60

Yellow highlighted column indiciates incorrect board count found on 3/12/24

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in	% open, boards in			
1	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
2	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.96
3	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.92
4	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.96
5	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.94
6	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.94
7	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.94
8	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	0.0	7.92
9	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.35	3.0	7.93
10	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.10	1.0	7.95
11	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.08	1.1	7.96
12	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.38	4.0	7.95
13	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.45	5.8	8.01
14	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	0.08	0.9	8.02
15	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	8.02
16	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	8.00
17	67%, 2 boards in	100%	33%, 4/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	8.00
18	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.97
19	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.01	0.2	7.97
20	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.96
21	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.96
22	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	Т	7.96
23	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.07	0.7	7.95
24	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	Т	0.0	7.93
25	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
26	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
27	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.00	0.0	7.93
28	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	T	T	7.92
29	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	T	Т	7.91
30	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.03	0.2	7.93
31	67%, 2 boards in	100%	67%, 2/6 boards in	PLATE	PLATE	67%, 2 boards in	0.01	Т	7.93

Houghton Lake Dam Data for <u>Secember</u> 2023

Summer Level 8.10 Winter Level 7.60 Spillway #3 = Total of 7 Boards

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	DAIN	FNOU	
	% OF GATE OPEN	% OF GATE OPEN	BOARDS IN	% OF GATE OPEN	% OF GATE OPEN	% OF GATE OPEN	RAIN	SNOW	GAGE
1	100%	100%	2/5	9 0/2	1000	100 %			8.00
2	10000	100 00	2/5	0%	Days	Isa sia			8,00
3	100 m	100 %	2/5	00%	0010	10000			8.00
4	10000	100 %	2/5	00/8	Dola	10090			8,01
5	180 %	100 90	2/5	Odo	0%	100 90			8,00
6	10090	100%	2/5	010	0%	100%		·	8.00
7	100 90	100%	2/5	0%	0%	100010			8.00
8	100%	100%	2/5	0%	0%	10006			800
9	100%	100%	2/5	0%	0%	100%			8,00
10	100%	100 %	215	0%	0%	100%	7.		8.00
11	100%	100%	215	0%	0%	100°/6			4,00
12	100%	100%	215	0%	08	100%			7.92
13	100%	100%	215	0%	0%	100%			7.94
14	100%	100%	2/5	0%	0%	100%			795
15	100%	100%	2/5	0%	0%	100%		 -	7.96
16	100%	100%	215	0%	0%	100%			7.96
17	100%	100%	215	0%	0%	100%			7,94
18	100%	100%	215	0%	0%	100%	_	gr	7.83
19	100%	100%	215	0%	0%	100%	y/EII		2,99
20	100%	100%	215	0%	0%	100%			7,93
21	100%	100%	215	0%	0%	100%			7.96
22	100%	100%	2/5	0%	0%	100%			7,93
23	100%	100%	215	0%	0%	100%			7,93
24	100%	100%	215	0%	0%	100%			7,94
25	100%	100%	2/5	0%	0%	100%			7.93
26	100%	100%	215	0%	0%	100%	'- "la		7.93
27	100%	100%	215	0%	0%	100%			7.85
28	100%	100%	2/5	0% 0%	0%	100%			7.96
29	100%	100%	215	0%	0%	100%			7.91
30	100%	100%	45	0%	0%	100%			7.96 7.91 7.98
31	100%	100%	45	6%	0%	100%			7.98

Houghton Lake Dam Data for November 2023

Summer Level 8.10 Winter Level 7.60 Spillway #3 = Total of 7 Boards

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% OF GATE OPEN	% OF GATE OPEN	BOARDS IN	% OF GATE OPEN	% OF GATE OPEN	% OF GATE OPEN			
1	100%	100 %	2/5	0%	0%	180 %			8,13
2	100 %	180 %	2/5	0%	0 %	100 %			8.17
3	100 %	180 010	215	10 %	0'0/0	IAD %			8.14
4	100 010	100 %	2/5	0 %	00%	100 90			8.11
5	100 %	100 010	21/5	000	O ofp	100 %			8.12
6	100 018	100 10	2/5	0 %	0 0%	100 %			8.14
7	100 40	1AD 010	2/5	0 %	0 %	1/80 %			8.02
8	100 010	100 010	2/5	0 %	O MO	100 010			8.18
9	100%	100 010	2/5	1) 8/0	Dolp	100 00			8.08
10	10090	100 90	2/5	000	040	100 of			8.10
11	100%	100 90	2/5	0010	000	100010			8,12
12	100 40	100 %	2/5	0%	0.010	100010			8,17
13	10090	100%	2/5	0%	0%	10000			8.05
14	10040	100 %	2/5	0%	0%	100 90			8.10
15	100 90	100 %	2/5	Orto	0%	100 9n			8.08
16	100%	100019	2/5	0'90	0 %	100 %			8,12
17	100 90	100 90	2/5	090	0010	100 %			8,01
18	100%	100 70	2/5	0%	0%	100 %			8,04
19	180 40,	100 40	2/5	0%	0 70	10000			8.02
20	100 %	100 %	2/5	00%	000	100 %			8,07
21	100 00	100 %	2/5	0 %	0%	100%			8,06
22	100 010	10090	2/5	0%	090	100 70			8,03
23	180%	100%	2/5	0%	0%	100%			7.99
24	10000	100 of	2/5	0%	0%	100%			7.99
25	10090	100 %	2/5	0%	0%	100%			8,04
26	10040	100 %	2/5	0%	0%	100%		****	8.15
27	100%	100 %	2/5	0%	0%0	100 %			7,9%
28	10090	100%	2/5	0%	0%	100 10			8.00
29	100 %	100%	2/5	0%	0010	101190			8,01
30	100 %	P COL	2/5	0%	O th	1000/0			7.96 8.00 8.01 8.01
31							-		

Houghton Lake Dam Data for October 2023

Summer Level 8.10 Winter Level 7.60

Spillway #3 = Total of 7 Boards

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY#3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% OF GATE OPEN	% OF GATE OPEN	BOARDS IN	% OF GATE OPEN	% OF GATE OPEN	% OF GATE OPEN			
1	070	0%	6/6	0%	070	0%			8,10
2	0 %	0%	6/6	090	0'5/2	000			8,10
3	0,90	0 %	6/10	0 %	0 %	() ola			8.11
4	1) %	0 %	10/16	0%	0 010	0 90			8.14
5	0 %	0 %	6/6.	0 8/2	0 %	0010			8 2
6	0 %	000	10/10	00%	0.0/0	() 8/p			8.09
7	0 40	0 40	61.6	0 010	1) %	0 0/0			7.97
8	D 90	0 %	6/10	0 %	0 %	0 90			7.9
9	0 0/0	0 %	10/10	0 0/0	0 %	000			79
10	0%	0 %	70/10	0 0/0	0 %	0 %	·		8.03
11	D 90	0 %	6/10	0 %	0 %	0 010	-		8.0
12	0 %	000	10/10	000	0 %	/2 0/			8.05
13	() 10	0 010	6/10	0.00	000	0 %			8.0
14	0 %	1) 90	6/6	0 3/0	000	000			8.0
15	0 90	000	10.110	0 %	1) 40	0 0/2			8.02
16	0 %	() Mo	6/16	0 %	1) 010	0 00			8.00
17	O Pla	() of p	616	000	000	1) 0/10			8.10
18	0 %	0 0%	6/6	0.00	0 %	0 %			8,14
19	0 %	0 90	6/6	0 %	0 0/0	() of			8.15
20	0%	0 %	6/6	0 %	0 0/0	0 %			8,0
21	0 %	0 %	6/6	0 %	0%	0 %			8,09
22	0 %	0 %	6/6	0 %	0 %	0%			8.09
23	090	000	6/6	0.%	0 %	() 01D		-	8.1-
24	0%	0 010	9/6	0 90	0 %	000			2.19
25	100 Mp	100 90	2/5	0 %	0 %	100 90			8.15
26	100 0/0	100 90	2/5	0 610		100 40			8.15
27	100 do		2/5	0 00		100 %			
28	100 40	100%	2/5	N 1 102 AT	0%	100 %			8,13
29	100 c/n	100 %	2/5	0 %	0 %	100 %			8.1/2
30	100 %	100 % 100 % 100 %	2/5	000	0 %	100 %			8,17
31	100 90	100 90	2/5	0 %	0 %	100 10			8.15

Houghton Lake Dam Data for September 2023

Summer Level 8.10 Winter Level 7.60

Spillway #3 = Total of 7 Boards

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	SNOW	GAGE
	% OF GATE OPEN	% OF GATE OPEN	BOARDS IN	% OF GATE OPEN	% OF GATE OPEN	% OF GATE OPEN			
1	0 %	0.010	6/6	0 %	0,90	0%			8,13
2	0 %	0%	6/10	0.00	0 %	0%			8.10
3	0 %	000	10/10	0 %	0 0/0	0 8/0	-		8,11
4	0 %	0 0/0	6/6	0 %	O elo	0 010			8,10
5	0%	() of	6/10	1) 0/2	0 0/0	O ofp			8,12
6	0 40	0 8/0	6/10.	0 0/0	120/1	Ooh		 	8,13
7	0 %	0 010	6/6	0 %	0 90	0 010			8.00
8	0 %	0 0/0	6/10	0 010	0 5/0	0 %			8.11
9	0 %	2 40	10/10	() of	000	0 90			8.12
10	0 90	0 %	6/10	040	0 010	0 00			8,12
11	000	0 %	6/10	090	0 %	O ofp			8,14
12	0%	0 0/0	6/10	0 %	0 %	0 40			8.09
13	0%	0 00	6/0	0 40	0 %	0 %			8.11
14	000	0 00	10/10	1000	n of	0 %			8,14
15	0 90	0 90	6/6	00%	0 %	0 %		,	8.14
16	0 40	0 %	6/6	0.40	0 %	0 %			8,13
17	0 %	0 %	10/10	0 %	0 010	Volo			8,08
18	0%	0 %	6/6	D ela	0 8%	0 8/0			8,08
19	0 %	0 %	6/6	0 90	D Ha	0 %			8.11
20	0 %	0%	6/10	0 90	1) 010	0 %			8,13
21	0 %	0 %	6/6	0 40	0 00	1) of			8,12
22	0 %	0 %	6/6	0 3/0	090	0 %	``		8.13
23	0 %	0 %	6/10.	0.00	000	000			8.15
24	() of	0 %	10/10	0 %	08/0	000			8.13
25	0 %	0010	6/10	1) 010	0 %	1) 8/2			8,13
26	0 90	0 %	6/6.	0 % 0 % 0 %	0 %	0 %		"	8 12
27	0 %	1/2/10	6/6	000	0 9/1	0 %			8.13
28	000	() of	6/6	1) 9/2	1) 6/0	0 5/0			2.11
29	0 00	000	6.16	0%	0 9/5	0 %			8 10
30	0%	0 %	6/6	0 90	0%	090			8.13 8.11 8.10 8.10
31					V 10	- 70			0110

Houghton Lake Dam Data for August 2023

(Summer Level 8.10) Winter Level 7.60

Spillway #3 = Total of 7 Boards

DAY	SPILLWAY #1	SPILLWAY #2	SPILLWAY #3	SPILLWAY #4	SPILLWAY #5	SPILLWAY #6	RAIN	snow	GAGE
	% OF GATE OPEN	% OF GATE OPEN	BOARDS IN	% OF GATE OPEN	% OF GATE OPEN	% OF GATE OPEN			
1	0%	090	6/10	0%	0 %	0%			8.10
2	0%	00/0	6/10	0 40	0 70	0 %			8,09
3 -	0 %	0 %	6/6	0 0/0	0 40	0 %			8.04
4	0%	0 90	10/10	0 %	0.00	0 %			8,05
5	0 %	0 %	6/10	0 %	0 %	0 %			8.00
6	0 %	000	6/10	0 %	0 00	0 %			8.0
7	0 90	0%	6/10	0 %	0 0/0	0 40			7.99
8) Mo	0 %	6/6,	0 %	0 %	0 %			8.01
9	070	0%	6/6	0%	0 90	0 %			8,01
10	0%	0.70	Colle	0%	0 %	0 %			7.94
11	0.90	0 90	6/6	0 %	0 40	090			8.04
12	0 %	0%	6/10	0 40	0 40	0.0%			7,95
13	0 40	0 40	6/10	0 40	0 0/0	0 %			7.9
14	0 40	00/2	10/10	0 40	040	0 40	***		8.02
15	0 90	0 %	6/6	0 %	0%	0 0/0			7.98
16	190	0%	6/10	0 %	0 %	1) 0/2			80
17	0 %	0.00	6/10	0%	0 %	0 %			8.0-
18	0 %	0 %	6/10	000	0 %	0. 40	·		8,05
19	0 %	02 %	6/6	0 %	0 %.	0.40	···		8,10
20	0 %	0 70	6/6	0 %	0 8/2	12 %			8.04
21	0%	0 90	6/6	0%	1) 0/0	0 %			8,08
22	0 %	0%	6/10	0 %	0 00	0 %			8.09
23	0 %	0%	6/10	0.00	1000	000			8.12
24	0 %	0 %	6/10	0%	0%	00/0			8.08
25	0 %	0 0%	6/6	0.00	000	0 %			8.0
26	0 00	0 %	6/6.	0 90 0 90 0 90 0 90	000	0%			8.06
27	000	0 %	6/6.	0 90	0 %	0%			8.06
28	0 00	0%	6/6	0 %	0 %	0%			8.07
29	0 %	0 %	6/6	0 8/0	000	0 %			8,05
30	0%	0 %	4/6	0 90	0 %	000			8.05
31	0%	0 %	6/6	0 010	0 %	000			8.11

SOUTH	1 51	immer	8.10	D Win	nter ~	y 20	NORTH	1
Day	OPEN	OPEN	BOARDS	16 OF GAM	YOUF GA	POPER CAR	Rain/Temp	Gage
	Spelling	Speller	Spillway		Spillinger	Spilling		
1	C	C	C	(C	C		8.19
2	C	C	C	\mathcal{C}	C	C		8.21
3	C	C	Č	C	C	C		8,20
- 4	('	C	C	(LC	C		8.20
5	C	C	C		LC	C		8,19
6	6	C	0	C	C	C	,	8,19
7	C	C	C	C	C	C		8.20
8	- (-	C_	C	C	C	6		8,21
9	5	C	()	C	C	10		8.24
10	5	C	3	0	C	0		8,21
11	5	-6	3	0	C	C	5	8.14
12	0.00	- 0		C	C	C		8.17
13	C	70	1	C	C	C		8.13
14	-	5	_ \	C	2	C		8.15
15		_	-\	2	C	C		8.14
16	0	0	1	C	G	(,		8,11
17	0		1	C	<u>c.</u>	C		8.11
18		6	<u>a</u>	, <u>C</u>	G	(1)		8.11
19	0	0	0	C,	C	C		8.11
21	10		C.	9	C	C		118
22	-	C	C	2	- C	(1)		8.10
23	0	7		-	7			8.12
24	7	7	0	7	7	9		8,11
25	0%	000	7	0%	0%.	000		8.10
26	0%	0%	9	DM	0 %	0 10		8.10
27	0%	000	1/2	090	070	0%		8,13
28	0.90	000	10	0%	- V 111	-		8.15
	0%	0 %	6	0 %	0 %	10%		8114
30	040	-/D-M	6	DM	0 90			8112
31	10	0 %	(0)	040	() 6/0	090		8.10

OUTH	1 5	umme	r-8.1	Wi Wi	nter '	e 202	NORTH	ĺ
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
					View Inc.			
1	6	C	0	0	0	C		8,3
3	0	16	10	18	10	C		8.2
4		14	18	10	18	19		8,2
5	1	1	18	12	12	5		8,2
6	8	8	18	18	18	5	1	8.1
7	7	10	10	0	0	1	-	8,1
8	0	7	10	18	8	5		8 4
9	0.	1	7	18	19	5	+	.8,1
10		C	16	16	1	2		8.1
11	C	C	1	1	1	7		8,1
12	C	C	C	C	C	10		8.08
13	C	C	C	C	C	0		8,11
14	C	C	C	1	C	C		8.11
15	C	C	C	C	C	C		8.00
16	C	C	C	C	C	C		8,08
17	6	C	C	C	C	C		8,10
18	. (w	C	C	C	C	C		8,12
19	<i>C</i>	C	C	C	C	C		8,12
20	0	<u>C</u>	C	0	C	C		8,11
21	6	<u></u>		C		C .		8,10
22	8	19	1	1.0	6	C		8.09
24	A	7	1.71	14	(1	4		8.06
25	h	6	1	1-7-	7	6		8.04
26	10 -	110	C	7	7 +	1/1	-	8-10
27	X	17	7	7	71 .	17		2000
28	C	7	7	1	1	14		6.78
29	-C	C	1	1	1	19		8 11
30	È.	Ţ.	: C	0	6	1	7	9/1
- 34								0,14

OUTU		nton Lake				May	2023	
OUTH Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	NORTH Rain/Temp	Gage
	A		Art. S		31	0		
1	0	0	0	0	0	0		8.69
2	0	0	0	0	10	0		8.65
3	0	0	0	10	0	10		8,69
4	0	0	0		0	0		8.76
5	0	0	0	0	0	0		8.79
6	Q	0	0	0	0	10		8.77
7	V	10	0	0	0	10		8.78
8	4	0	0	0	0	0		8.79
9	4	10	0	10	0	0		8.78
10	8	10	2	10	10	0		8,77
11	0	19	0	10	0	0		8,76
12 13	9	10	9	12	12	10	-	8,75
14	8	18	8	12	14	10		8,74
15	0	10	8	10	18	12		8,71
16	0	18	8	18	12	10		8.67
17	0	100	R	18	1-8	10		8,59
18	Ö	0	0	10	18	18		8,64
19	0	18	K	X	8	18-		8.64
20	0	8	0	10	8	10		8,56
21	0	X	8	8	8	18		8,48
22	0	Ó	1	0	6	18	22	8.51
23	0	0	0	0	0	(4)		8.50
24	0	0	0	ŏ	0	8		9 11
25	0	0	0	0	10	0		8 175
26	0 :	1-0	0	0	8	5	-	8.45
27	()	Ŏ	0	0	100	1.6		8.38
28	(C).	0	0	0	0	18		9 21
29	-()	0	.0	Ö	0	0		8.34
30	1		0	0	()	1 X	7.7.	8.34
31	C		0	0	A	1		8,31

8.28

SOUTH	Obside	umme	(- 8.)	O WI	nter '		NORTH		
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage]
1	0								
2	0	18	18	18	+8	10		8.39	1
3	6	18	18	18	+14-	18	-	8,44	-
- 4	8	18	1 %	1-14	1	12		8.46	
5	8	8	18	18	14	18		8.51	1
6	6	18	1/	18	17	18		8.60	-
7	8	10	17	16	1	18		8.66	
8	8	10	8	18	16	18		8,69	-
9	0	0	10	10	1	18	-	8,76	
10	0	10	0	10	18	18			
11	0	0	0	0	10	0		8.80	
12	Q	0	0	0	0	10	1	8.82	
13	0	0	0	0	0	10	1	8,83	
14	0	0	0	0	Ö	0		8.84	
(15)	10	10	0	0	0	0		8.84	*
16	0		0	0	0	0		8.88	M
17	0	10	0.	0	0	0		8.86	
18	0	0	0	0	0	0		8,75	
19	()	0	0	0	0	0		8,85	
20	0-	0	0	0	0	0		8.92	
21	0	0	0	0	0	0		8.86	
22	V	0	9	10	0	0		8.84	
23	U	U	10	0	0	0		8.81	
24	U_{\perp}	0_	0	0	0	0		8.79	8.
25		18		0	0	0		8.77	8-9
26	0	0	0	Q.	0	0		8.78	
27	7	0	9	4	9	0		8.82	
28	8	18	9	9	9	12		8,78	
		1		8	9	10		8.76	
30		0		V	U	10		8.78	

	Hough	ton Lake	Dam D	ata for	M	ARCI	4 20	73
SOUTH] 5	umme	r- 8.1	o Wi	nter '	7,60)	NORTH	7
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		2						
1	8	12	0	12	10	Q		2.00
3	0	0	8	1	0	0		8,00
-4		0	0	18	10	19	1	7,99
5	0	0	0	0	0	0		7.98
6 7	0	12	0	0	0	0	85	7,99
8			19	0	12	9		8,00
9	6	0	6	0	16	12	ļ	7.99
10	0	0	0	0	0	0		8,00
11	6	0	0	0	0	0		8,80
12	0	0	0	0	0	0		8,00
13 14	0	0	0	12	12	10		7.99
15	Ó	0	Ö	0	0	0		7,99
16	0	Ö	O	0	0	0	7	7,99
. 17	0	0	0.			0	es.	8.03
18	0	0	0	0	0	0		8.04
19	0	0	0	0	0	0		8.06
21	0		0	0	0	0		8.0
22	0	0	0	0	0	0		8,07
23	0	6	0	0	0	0		8.07
24	8	0	9	9	0	0		8,08
25 26	()		3	0	0	0		8.13
27	0		0	0				8.18
28	0-	0	0	0	8	8	×4.11	8,18
	()	0	0	7	0	0	3 0	8,20
30	()	0	0			0		8.22
31		U		0	0	0	. 34	8,29

5. Leover

ООТН	1 5	ummel	r- 8.10	o Wi		7.60	NORTH	1
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		100						
1	0	0	0	0	0	0		7,94
3	8	(0)	18	10	10	10		7.92
4	8	10	18	19	18	0		7,92
5	0	18	8	19	19	18		7.92
6	8	18	1	18	18	0		7.90
7	8	10	8	12	12	10		7,88
8	8	18	8	18	18	18		7.89
9	0	10	8	8	18	18	8	1,88
10	8	8	8	8	18	18		7,89
11	0	0	6	10	18	18	-	7,91
12	0	8	8	0	18	18	-	7,93
13	0	Ŏ	19	6	6	10		492
14	0	0	0	1	18	18	-	7.91
15	0	0	0	10	Ŏ	18		792
16	()	0	0	0	0	18		7.93
17	0	0	0	0	0	6		7.95
_ 18	0	0	0	0	0	18	-	7,96
19	0	0	0	0	8	1		
20	0	0	0	0	0	0		7.96
21	0	0	0	0	0	0		794
22	0	0	0	0	0	0	7	7.95
23	0	0	0	0	0	0		7.98
24	0	0	0	0	0	0		7.98
25	0	0	0	(3)	0.	0		7.99
26	0	0	0	0	(2)	0		7,98
27	U	()	0	0	0	(0)		7.99
28	0	0	0	0	0	0		8.00
201	-			, at	7.67			
30							-	
31					33 			

3.96010

OUTH	_ <u>~</u>	umme	r-8.1	O WI	nter '	7.60	V 202	1]
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	1
		1							
1 2	18	18	10	18	12	10		7.93	3,94
3	X	18	12	10	19	10		7,94	3,90 4,08 4,08 4,33 4,56 4,56 4,56 4,56 4,56
4	8	18	18	12	12	10		7.94	4.08
5	X	18	14	18	18	10		7.96	4.30
6	8	18	18	18	18	10	-	7,98	4.56
7	6	18	18	18	+	14		7,98	4.56
8	0	10	18	19	18	14	+	7,98	4.56
9	0	18	18	18	18	18	+	7.98	4.50
10	0	0	18	18	18	14		7.97	
11	6	18	18	12	18-	14	-	1,96	4.32
12	7	19	18	18	18	+4	+	7.97	4.44
13	0	10	18	18	18	19		1.96	4.32
14	0	10	6	10	1	14		1.95	4.20
15	0	8	0	10	16	18		794	4.20
16	0	0	1	10	1	18	1	7.93	4,08
17	0	0	0	0	0	18		401	
18	0	()	0	10	0	0		701	4.32
19	0	0	0	10	10	1/5		7,98	4.32
20	()	0	0	()	8	1		7.98	שכיד
21	0	0	0	0	0	8		7.98	
22	0	10	0	(7)	7	7)		7 90	
23	0	0	(7)	7)	(mile)	0		797	
24	0		0	. 0	01	0		7.97	
25	0	0	0	0	0	0		7.96	
26	0	0	0	0	0	0		7.96	
27	0	0	0	0	0	0	77	7.97	
28	0	0	0	0	0	0		7.95	
	0	0	0	0	10	0		7.96	
30	9	0	0	0	0	10	11	7.95	
31	0	0	0	0	0	10		7.95	

SOUTH	1 5	ummer	8.1	OC WI	nter '	7.60	NORTH	1	
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	
4	_	-		<u> </u>					2
1 2	8	18	18	18	10	1 0		7.95	4.20
3	8	18	18	18	10	0		8.03	5,16
4	8	18	18	1/2	12	10		7.87	3.2
5	8	18	18	18	18	18	-	7.97	4,49
6	B	1	1	18	+	+ 1/	,	7,97	4.40
7	Ď	18	18	18	18	18-			4.30
8	8	18	6	18	+ ~	0	-	7,96	4.20
9	0	18	K	10	18	18	-	7.95	4.20
10	0	0	8	18	10	18	-	701	4.08
11	0	0	0	10	18	18		701	4.08
12	0	0	0	0	10	0		792	3.96
13	0	0	0	0	0	0	+	1 hand 6	3.84
14	0	0	0	0	0	0		791	2 7
15	0	0	0	0	0	0		7.95	1.20
16	0	0	0	0	0	0		7,9/2	1.32
17	0	0	0	. 0	0	0		7.95	1.20
18	(0)	0	0	Q	10	0		7.94	108
19	()		0	0	10	Q		7.94	1.08
20	()	10	0	0	0	0		7,94	4.08
21	9	0	0	0	0	0		7.93 3	3.96
22	0	10	0	0	0	10		7.92	3,84
23	2	0	1	0	10	0		7.94 4	1.08
24 25	8	0	4	0	12	0		7.96 4	1,32
26	0	1	8	18	-0	9		7.954	20
27	X	1	8	8	0	2		7,949	108
28	H	8	1	19	1	1		7.94 4	08
		X	0	14	8	1		7,93 3	
30	X	1	X	18	8	18-		7.92 3	84
31	0	6	8	1/1	n	1		7,92 3	84

	Hough	ton Lake	Dam D	ata for	NOVE	MBE	R 20%	12	-
SOUTH	1 5	umme	r- 8.1	A Thur		7,60)		-	
Day	Chain	Chain	Boards	Chain	Chain	Chain	NORTH		
54	Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	Rain/Temp	Gage	
						- Galo G			4
		2.3					1	1	
1	0	0	0			()		8.10	
2	0		0	(1)		1			10
3	0	177	19	1	+ 6	+ 4		811	112
			+ %-		+42-	10		8,12	124
~4	<u>()</u>	10	12	0	0	0	7	8.14	.48
5	0				0	0		8,28	2,16
6	0	17)	0		1)	0	30	8,21	
7	0	7	F	7	(6)	C			1.32
8	0	1	14	(5)	1 5	10		8.08	
		12			1//	0		8,18	.96
9	<u> </u>	0	0		10	10		8.18	.96
10	0		0	0	(7)	0		8,15	
11	0	(9)		197	95)	0		1 1 2	060
12	0	125		1	1	14		8.08	. 24
	8							8.03	084-
13		10			$\bot O$			8.03	.84-
14	0				0	10		8.07	36-
15	0	0	0			77	 	8.07	KIL
16	0	n	1	7		1			2064
	<u> </u>		0	10	1-12	12		8,04	5.28
17				0		0	A .	8.06	5.52
18		0	0	0	10	0		8.04	5-28
19	0	0	0	0	0	0		8,05	640
20			0	0	1	0		0103	5,40
21	0			0				8.00	4.80 No data a
									NO OHTO O
22	0	U			0	0		8.03	5.16
23	0	(2)	(8)		0	(1)		8.02	5,04
24		()		0	1)			8.01	
25	474 344	7)		7		7		0,01	4.92
	0	1		14		0		1.47	4.44
26	100		4	0	0	0	12 ·	8.00	4.80.
	0	0	0	0	0	(1)		7.97	4,44
28	0	()	0		()	D	19 10 17 20		
		1	()	1	(MA) 11		a second		4.80
30							21,100	8.06	5.52
34	V						AVAD TO	7,87	3.24

gasaafi dhan a

	Hough	nton Lake	e Dam D	ata for	Octo	ber	2027	2_	
SOUTH	1	- summo	r-8.10	2) We	nter '		NORTH	,	
Day	Chain	Chain	Boards	Chain	Chain	Chain	Rain/Temp	Gage	
	Gate 1	Gate 2		Gate 3	Gate 4	Gate 5		Cage	
	ł	122		ſ	10.				
1	0	C	0/5	P	P	(1			
2	7	1	(1/-)		10	19			24
3	77	6	(.(5)	P	1	1 4			12
	7	177	C(S)		P	4			24-
4	9	15	C(5)	P	1 10	C		8.08	24-
5	0	10	C(5)	P	1 12	C		8.08 .2	24-
6	C	-	C(5)	ρ		C	27	8.02	910-
7	0	C	(5)	LP	LP	C		8,00 1	20
8	C	C	C(5)	LP	P	C		8.04	71
9	C	C	(C/5)	P	P	C		8.04	12-
10	C	0	C751	P	D	(/			60-
11	C	C	C(5)	D	15	<u> </u>		100	
12	C	C	0(5)	P	1	-		V 10	12
13	C	C	0/5	P	10	+ ~			24
14	0	10	17/5	b	b	1		-	
15	0	0	1765	D	10				34
16	C		((5)	b	D	 		8.08	24.
17	C		10/00	7	0	<u> </u>	-	8.09 . 1	2 -
18	6		C(5)		D	<u></u>	10	8.01 1.0	08 -
	0	6	((5)	P		C		7,91 2.	28-
19	C	6	((5)	ρ	10	C		8.04 -	72
20		10	((5)	<u>P</u>	12	C			48
21	C	The Contraction	((5)	P	P	C			16
22	C		((5)	ρ	P	C		(A) (A)	14
23	6		C(5)	P	10				20
24		C	C(5)	P	P	C	11		32
25	0	0	0	0	0	0		8,12	Del
26	0:	10	0	0	0	0	7.0	8.03 ,8	24
27	0	0	0	0	0	1		8.15	1
28	0	0	()	0	0	8	1	8.15	00
	Ó	7	0	0	0		1,3555	0.13	10
30	0	0		()	47	0	4.		18
31	0	1			197				36
211		10		Ų	U		100	8,12 .3	14/

SOUTH		umme	r-8.10	5) WI	nter '	7.60	NORTH	7
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1	C	C	C(S)	P	P	C		8,09
2	(10	C(5)	ρ	P	('		8:10
3	 	1 C	C(5)	P	P	C		8,06
4		C	C(5)	P	Ρ	C		8.07
5	<u>C</u>	C	C(5)	P	P	(8.04
6 7			C(5)	P	$+\frac{p}{p}$	C	22	8,03
		0	((5)	P	10	<u></u>		8.02
8 9	-		((5)	IP	P	10	-	8.04
10		-	(3)	 	HD -	(8,04
11		-	((6)		10	<u>C</u>	 	8,01
12	C	16	1667	D	 [2		8.00
13	7	1	((5)	5	+ p	2	100	8,13
14	0		075	p	10	-		8,10
15	C	0	((5)	P	10	0		8,08
16	C	1	((5)	P	P	0		8,13
17		C	(15)	P	10	7		8,11
18	C	C	0(5)	12	10	C		8.09
19	<u>C</u>	()	C/5)	B	12	0		8.03
20		C	(15)	D	16	C .		8.08
21	4	Com	(15)	P	940	0	10	8 02
22	(· C	(15)	A Day	P	C		7,91
23		0	(25)	R	P	C		8.03
24	4	0	(5)	<u> </u>	P	<u>C</u>		8.05
25	10	0	(75)	-6	13	0	16	7.98
26	0	0	(15)	F .	B	6		8.00 1
27	0		((5)	6	16	6	17/2	8.00
28		2	C(5)	P	10	0	46	8.04
29	A	4	(C(5)	P -	10	C	1 to 1	8.09
31			L(5)				1	8.09

SOUTH	(5	umme	r- 8.10	Wi	nter '	7.60	NORTH	102	
Day	Chain Gate 1	Chain Gate 2	Beards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	
1	C	C	c (5)	P	P	10		8.01	3
2	C	C	C (5)	P	P	C		8.10	0
3	C	C	(5)	P	P	0		8.16	.7
4	C	_ C	C (5)	P	0	C		8.13	. 3
5	C	C	C 15)	R	P	C		8,16	.7
6		- C	(6)	12,	P	C	,	8,14	a 4
7	5	15	5(5	P	P	C		8,13	.3
8	7	1	C(5)	10	IP.	C		8,14	04
10		1	(5)	F	P	C		8.15	.60
11	8	19	0(5)	P	16	10	-)	NO.
12	0	6	0/5	D	PO	C	-		1
13	7	18	17/21	-5	0	10		8,13	0
14	C	C	175	D	- FD	-	+	8,13	e
15	11	C	107EX	p	5	15	-	8,12	
16	C	C	C/5)	P	D	-		8 09	и
17	0	0	(75)	b	10	10	 	8.07	-
_ 18	0	(2)	175	P	P	8		9 10	
19	('	0	C751	J.	P	0		8.09	0
20	C1	16	C151	B	P	0		8,09	- 2
21	C	C	(15)	P	P	C		8.06	- 0
22	6	0	C(5)	P	P	C	*	8.04	0
23	(6	C (5)	Ъ.	P	C			10 in
24	6	6	C(5)	10	Pr	0		Á	10 in
25	6	C	((5)	P	P	C		8.10	7
26	(-	C	((5)	P.	h	C			6-
27	4	14	(5)	P	L.	Ç		8,12	24
28		1	L(5)	P	1	1		8/11.	.12
29	4	()	(5)	K	1	C		8.15	60
30	K		((5) ((5)	P	P	C		8.07	36

		Hough	ton Lake	Dam Da	ata for	Ju	lv á	3022		•
	SOUTH	1 (5)	1 100 100 a 1	c= 8.10	Tile	nter:			3	1
	Day	Chain	Chain	Beards	Chain	Chain	Chain	NORTH Rain/Temp	Gaga	
		Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	Trailly Fellip	Gaye	
	1	C	C	C(5)	P	P	C		8.34	2.88
	2	C	0	(15)	P	P	1		8.32	2.00
	3	C	C	C(5)	P	10	C		8.34	2.64
	- 4	0.	C	((5)	P	P	C		8,36	3.12
	5	C		C(5)	P	P	10		8,32	0 11/2
	6	C	C	C (5)	P	P	(1	8.	8,36	3,12
7	7	C	C	((5)	P	P	C		8,34	2.88
	8	C	C	C(5)	P	P	C		8,32	2.64
	9	C	C	C(5)	P	P	(8,32	2,64
	10	C	C	C(5)	P	P	C		8,30	2.40
X	11	C	C	C(5)	Ρ	P	C		8,28	2,16
/	12	C		(5)	(2)	P	C		8.23	1.5Ce
	13			C(5)	<u> </u>	ρ	<i>C.</i>		8,28	2.16
	14	(5	C(5)	<u>P</u>	P	C		8.27	2.16 2.04 2.04
	15	0	<u></u>	('(5)	P	P	C		8.27	2.04
	16	((5)	P.	I P	C		8,26	1.92
	17			((5)	P	12	C		8.26	1.92
	18	C	- ((, (5)	P	P	6			-no info au
7:1	19			C(5)	P	12	C			-no info ava
	20			C(5)	P	P	0		8,23	1,56
100	21	()	D. O distriction	$C_{4}(5)$	D				8,15	· (e0
	22	0	<u></u>	((5)	P	P	14 C 11	11 23	8,18	.96
E (E)	23	()		(5)	1				8,16	172
	24 25			((5)	P	P	4		8.19	1.08
* 11	26	(-19	(15)	7		4		8,14	,48
Yes	27		2000	C(5)	\mathcal{L}	1	i(C	100	8.17	.84
in the	28	0	C	C (5)	<i>→</i> 0-	5	C	2.5	8.16	0.72
0.34553		C	C	(5)	1:0	7	<u>C</u>	A	8,10	P
79. 29.11(200)	30		C	0 (5)	F	K	Ć.		ළු ඉව	- 24
1	31	0	0	6(2)	K	20,00	C	Asia	8.10	ф
1	311	-	<u> </u>	C (5)	14			8 8	8 11	012

SOUTH Day] 5	ummer	r- 8.1	O) Wr	nter -		2022 NORTH	1
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
<u>1</u> 2	0	12	0	0	0	0		8,66
3	8	10	0	19	12	19		8,64
4	6	1/8	B	1	+ ()	18		8,56
5	0		0	190	1	10		8.57
6	0		8	140				8,55
7	0	10	.0	0	0			8,59
8	C	Cs	0	0	0	6		8,53
9	C	C	0	0	0	0		2 49
10	C		0	0	0	0		8.52
11 12					0	0		8,51
13				7/1/6				8.49
14	0	1		Plate(P)	Plate(P)	0	,	8,54
15	0	7	0	0	0	<u>C.</u>		8.56
16	C	0	0	P	2			8,50
17	C	C	0.	p	P	7		
18	0	-C	0	P	P	0	,	8,36
19	C		0	* <i>O</i>	10			8,47
20	0	110	0	P	P			8,47
21	C		0	$\mathcal{O}_{\mathcal{O}}$	ρ_{\perp}	0		8.44
22	7	\mathcal{L}	8					8.37
24	· Č		8	10	DA			8,40
25	0	C	0	P		0	,	8.39
26	C	-1 C	0	ρ	p t	7		8.40
27	O	C	0.	P	P			8,30 2
28	C	C	((4)	P	P	6		0 19
10.0	- C	C	C(4)		1	0		8,38
30	-6	C'	((5)	ρ	Ρ			8,40
31				4.5				

SOUTH Day	165	ummer	r- 8.1	O WI	2.6	7.60	NORTH	1
Day	Chain Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1	0	0	0	0	0	0		9.23
2	0	10	0	0	0	0		917
3	0	10	10		0	0		911
4	0	10	0	0	0	0		9.18
5		110	0	0	10	0		9.18
6			(2)	10	0	0	,	4.16
7		119	0	0	0	0		914
8	9	10	0	10	0	0		9,13
9	0	10	0	0	0			9.18
10	8	110	0	10	0	0		9.08
12	0	19	0	19	10	0		9,09
13	0	16	8	10	10	0		9.12
14	0	6	8	18	19	0		9.10
15	0	0	8	10	0	0		9,10
16	0	0	8	8	8	(2)		9,09
17	0	0	0	8	5	0		7.04
18	0	8	6	8	6	8		8,97
19	0	0	0	10	6	8		9.04
20	0	Ď	0	0	6	6		8.98
21	0	. O	0	0.	.0	6		0110
22	0	0	0	0	0	6		0.00
23	0	0	0	0	0	0	7 7	8.88
24	0	0	0.	.0	0	0.0	22 1	887
25	0	0	0	0	0	0		8.88
26	0	10	0	0	0	0		8,83
27	0	0	. 0	0	0	0		8.77
28	0	10	0	0	0	0		8.78 8
at a second second	0	0	0	0	0	0		8.80 8
30	0	0	0	0	0	0		8,77 8

PE.

	Hough	dn Lake		ata for	AP	RII	2022	2
UTH	1 51	ummer		2) (vila		110		
iy .	Chain	177	8.)	Chain	nter r		NORTH	
	Gate 1	Gate 2	Doards	Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
	ŀ							
1	0	0	0	C	()	6.0		8.75
2	0	0	0	C	C	C		8.81
3	0	0	0	: 0	C	0		8.85
4	0	10	0			C		8.90
5	0		-Q	C				892
6 7	0	0	0	C	C		,	8,99
8	0	8		('	C_{-}	C		9.06
9	8		8			5	· .	9.09
10	8	16	0					9,12
11	0	0						9,17
12	0	0	0		0			901
.13	0	.0	Ö	0	0			9.23
14	0	0	0	0			,	9.23
15	.0	8	0	Q	0	0		919
16	3	2	9	8	0	0		9.20
18	0	8	2	8	0	0		9.24
19	()	8	8	8	2	(C)		9,26
20	0-	6	8		8	2	. (9.15
21	10	(1)	0	8	8	8		9,29
22	0	<i>b</i>	0	0	D	0		9.23
23	0	0	0	0	0	0		9,28
24	0	0	0	0	01	0		9,29
25	0	7	0	0	0	0		926
26	0		9	0	0	0		9.21
27	0	4	9,	0	0,	4		9,16
28		1	0	0	0	0		7.23
30	1	0	8	8	8	9	31.	9.23
31	\sim	V.			0	,0		9.26
=:1								

	Hough	ton Lake	Dam E	ata for	MAI	70.4	2022		-
SOUTH	1 5	umme	c - 8 1	1 We	nter '				٦
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	NORTH Rain/Temp	Gage	-
1	0	17		0]
2	0	0	0	C	C	C		8,06	5,5
3	0	0	0	C	C	C		8.06	5.4
5	0	0	0	C	6	6		8.04	5.2
6	0	0	0	C	C	2	v	8.05	5,29
8	0	0	8	C	0	C		8.04	5.4
9	0	0	0	<u>C</u>	<	C		8.04	5.5%
11	0	0	8	C	6	C		8.03	5,16
12	0	0	0		C	C			511
14	0	0	8		2	(8,02	5,0
15 16	0	9	0	C	C	0	21	8.00	4.8
17	0	.0.	0	0		<u>C'</u>		8.00	4.8
_ 18 19	0	0	0	C	C	C		8.02	5.0
20	0	8	8		0			8,05	5,4
21	0	0	0	Ċ.		2		8.08	5.78
23	0	6	8	6		9		8,20 1	7,20
24	0	0	0	C	C 1	C		8.33	7.86
25 26 (8	0	5	0		8.391	9,48
27	0	Ó	Ó	C				8,41	9.77
28 29 7	5	8	8	8	6		.00000	2.46	10.3
30	Ó	0	0	Č	C	2		8.49	11.64
31	0	0	0	C	C	C			3.08

SOUTH Day	Chain	umme Chain	r-8.1	O W	inter '	7.60)	NORTH]	7
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	
								25	
1 2	8	8	18	6	C	6		8.29	8.28
3	8	10	18	19	19	16		8,27	8,28 8.04 7.92
-4	0	18	(0)	1	16	0		8,26	7.92
5	0	0	0	0	19	10		8,25	7.80
6	0	0	0	600	1	Since .		8,24	7.68
7	0	0	0	Cure	C	7		8,23	7,50
8	0	0	0	0	C	10		8,21	7,50
9	0	0	0	C	0	1		8,21	7,32
10	0	0	0	0	0	0		8.19	7120
11	0	9	0	0	0	C		8.18	7.20 7.08 6.7. 6.7.
12	8	2	0	0	0	('		8.16	6.7
14	8		()	()	(C		8.16	6.7
15	5	-	2	5	(*	1		8,16	6.7
16	0	6	8	-	7	0		0,19	6.90
17	0	0	0	6	0	1		8,14	6,48
18	0	0	0	0	C	7	- 1		9,12
19	0	0	0	6	C	6			6,24
20	0	0	0	C	C	0		71	6.12
21	0	Q	0	0	· C	C		8.09	5,88
22		(1)	0	6	0	C		Contract of Supplemental or	0.00
23	8		2	0	C	(8.11	6,12
25	6	1	8	4	4	S			6.12
26	0	(1)	8	1	<u> </u>	6		8,10	2,00
27	8	1	8	1	7	5		हुना (2112
28	()	0	7)	7	7	-		8.09	5,88
- 29	¥							8.08	5,76
30		200	1 1				0		
34	100000		-						

SOUTH Day	Chai	umme	r-8.1	& WI	nter "	UARY 7.60	NORTH	1
Бау	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		E			9			
1	2	10	0	C	(1		8,60 1
2	0	10	0	$\frac{C}{C}$	0	C		8,59 1
4	0	10	18	C	C	C		8,59 1
5	0	6	1/	7	0	0		8,58 1
6	0	0	1	1	10	6		8.58 11
7	0	0	0	C	6	C		8.58 1
8	()	0	0	/	C	4		8,50 /
9	8		0	10	0	C		8,54 /
11	0	8	8	0	5	C		8,54/1
12	0	0	0		-	Jam's		8,54 /1.
13	0	0	0	1	1	77		8.51 10
14	0	0	0	2.	C	2		8,50 10
15	()	2	0	C	6	C	7,7	8,49 10
17			0	(C	C		8,48 10
18	0	0	8		<u>C</u>	C		8.46 11
19	0	0	0	7		10		8,46 10
20	0	0	Ó	7	1	0	i e n	8,43 9.
21	Q	O day		. Cz. 18	7	7	S 41	8,43 9, 8,42 9,2 8,41 9,
22		0	0	<u>C</u>	\mathcal{L}	7		8.41 9,
24	0	6		1	()	C		8.40 9.6
1	Ŏ	6	0	C	6	<u>C</u>		8.38 9.3
26 (9	0	7	71	(5 t	0		8,37 9.2
	Ĵ	0	0	C	0	0		8.35 9,4
28 (2	0	0	C	0	C		7, 34 88
29 30	(2)	8	0	E	C	6		8.338
31	7	8	8	4	18	4		8.3/8.
					· · ·			3,30 8.

					Dece	nder	2021	
OUTH	5	ummel	c- 8.10	o Wi	nter '	7.60	NORTH	7
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		100				Cate 3		
1	0	0	0	C	C	17		0 21
2	0	0	0	C	1	0		8.36
3	0	0	0	C	C	0		9 35
5	9	19	0	C	-	C		8,29
6	8	19	0	<u>C</u>	C	Cor		8.39
7	8	8	8	9	15		,	8,34
8	0	10	8	6	1	15		8.40
9	0	0	0	7	7	1		8,39
10	0	0	0	C	7	177		8,28
11	0	0	()	4	C	77	f	8.46
12	9	9	0.	(C	0		8.48
13	0	9	()	G	0	C		8,49
15	0	8	8	<u>C</u>	((0		8,49
16	0	0	0	-	2			8,52
17	0	0	0	10	1	5		8,53
_ 18	0		0	0	7	73		8.52
19		\circ	0	C	C	C		8.59
20	0	0	0	C	C	C	1	8,60
21	8	9	0	<u>C</u>	. (C		8 60
22	0	8	8	C	C	C		8.60
24	n	8	8	0	C 1	6	4	8,60
25	Ö	6	8	6	C	1		8,61
26	0:1	- mm	0	C	Č +	0		8,60
27	Q	0	0	0	C	0		8.61
28	0	Q	0	C	C	C		8.61
-	0	0	0	C	C	C		8.62
30	0	8	0	6	C	6		8.61
311	0	0	0	C	6	(8.61

November 2021

Houghton Lake Dam Data for

	Chain	ummed Chain	Boards	Chain	nter '	1.00	NORTH	
	Sate 1	Gate 2	Dodius	Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
_								
1	0	0	0	d	C	0		8,48
2 3	0	0	0	0	C	2		8.46
4	9	0	2	C	C	C		3.4)
5	6	0	8	15	C	C		8.47
6	0	8	8	5	5			8,49
7	0	0	0	1	0		,	8,50
8	0	0	8	1	6	C		8.46
9	0	0	0	10	0			8,45
0		0	0	0				8,43
1 (0	0	0	0	1			8,44
2 (()	0	0.	C	0	T		8,54
3	0	0	0	C	C	C		8,41
4 (2	0	0	6	4			8.44
5	6	0	2	0				8,41
6 7 (2	9	0	C	('			8.48
8 (5	8	2	C	C	C		8.44
9	7	8	8	5	<u>C</u>			8.37
5	6		8	4	5			8,39
1	9	Ď.	4	8	2	C		8,44
	0	0	7	6	7			3.34
17	3	8	0	7	7			8.31
1	2	0	1	6	2			39
()	0	10	E	8	71		3,41
10	2	(F)	6	7	7	17	- 2	2 201
17	9	0	0	0	7	//	- 2	22/0
1	2	0	()	0	0	7		2 20
-	2	0	0	0	0	8000		2.22
1		0	0	(1)	7	77		3.35

Detober 2021

Houghton I	_ake	Dam	Data	for
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UTH Iy	Chain	Chain	Boards	0 > Wr	nter '	7.60	NORTH	7	
20	Gate 1	Gate 2	boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	
		80							1
1	0	10	0	C	C	C		8.55	5,40
3	0	0	0	10	C	C		354	5.1
4	<u>O</u>	0	0	C	G	C		3.54	6,2
5	0	0	0	<u>C</u>	18	G		8.53	5.16
6	\tilde{O}	ŏ	0	C	0	G		8.53	5,16
7	0	0	0	0		0		8.53	511
8	0	0	0	C	0	·C	 	8.53	0
9	0	0	0	C	C	C	1	8.53	5,14
10	0	0	0	C	C	C	-	8,60	5,60
11	0	0	0	C.	C	C		8,59	5,88
12	8	0	0	C	C	C		8,59	5,88
14		0	0	<u>C</u>	2	<u>C</u>		8,60	6,00
15	0	ŏ	0	C	C	C		8,60	6,00
16	0	0	0	C	C	C		8.57	5,64
17	0	0	. 0	0	C	C		8.53 850	5,16
18		0	0	2	0	C	· ·	3.53	5.16
19	0	\bigcirc	Q) <u>.</u>	C	C	į (2 52	5.16
20	\bigcirc	0	\mathcal{O}	0	C	C	1	3.52	5,04
	0		0	C	C	0		3.53	5.16
22 23			\circ	G and	<u> </u>			5,50	4,80
24	8	0		C	0	C	{	3.58	5.76
	0		0	0	C	C	1	3.57	5,64
26	Ŏ	0			C 5-1	0		8.50	4.80
27	0	O	0	C	~	0		8,50	4.80
28	0	0	0	C	C	6	-	8,55	口 -
	0	0	0	C	(1	1			5.04,
30 31	$\frac{\partial}{\partial}$	Q	00	C	6	18	G	52	4.56

SOUTH Day	S Chain	umme Chain	Boards	O WI	nter	7.60	NORTH	7
	Gate 1	Gate 2	boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1	0	C	C	1	1	1		
2	0	1	1	1	18	10	-	8.76
3	C	7	C	1	17	15	-	8.77
- 4	P	0	C	(0	6		8,78
5	0	C	(C	1	71		8,79
6	<u>C</u>	C	C	(1	7	1	8,71
7	(-	G	C	(18		
8	2	0	C	C	(0		8.82
9	2	2	C	C.	C	2		8,76
10	0	0	C	C	C	10		8.78
12	0	0	C	C	C	C		8.79
13	9	0	0	C	C	C		8710
14	0	3	((C	C		8.77
15	5	3	0	(,	C	C		8.76
16	0	0	0	-	Ç	10		8,70
17			0		8	0		8.73
18	0	0	7			0		8.70
19	()	Ö	0	7		8		2.107
20	()	0	0.	C		0		[910]
21	0	0	C	0		0		2.60
22	0	\circ	C	C	C	0		251
23	0	2	C	C	C	C		8.50
24	\bigcirc		G	C	C.	C "	۶	3.62
25 26	7	\leq	C	C	C	C	É	3,60
	2	0	2	C	C	CI		3,61
	0	0	C	C	G.	C		8-59
29		5	0	C	C	C		8.58
30			8	C	C	6		8.57
31	· · · ·		6.	C	C	C	5	3.56
6277J 5				ė.				

	Houg	hton Lak	ce Dam I	Data for	Augus	st 202	21		-
SOUTH	7 6	summe	16 9	10 11			_/		_
Day	Chain	Chain	Boards	Chain	inter	7.60	NORTH	7	
	Gate 1	Gate 2		Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage	7
						- Cate 3	-	 	4
,	1 /	1			-				
2	0	10	15	10	16	C		8,52	13
3		1	10	<u> </u>	-	0		8,53	12
- 4		1		- 6	19	10		8,56	15
5		2	16	10	10	C		8.58	-
6		1	0	16		C		8,58	5
7		6	1 5	10	C	C	,	8.59	5
8		19	16	16	C	C		8.58	1
9		 			C	(6
10		-		-		_		8,61	6
11	7	1	-		C	C		8.63	6
12	0	1	1	1-5	<u> </u>			8,69	7
13		C	-	5	C	C		8,66	6
14	0	1	10		C	()		8,62	6
15	3/	8	1	-	C	C .		8,62	6.
16	7	1	0	10		C	i.i.	8,63	6
17	C	0	1	C			1	8.62	6,
18	C		77		<u>C</u>	C		8.61	6
19	0	0	C	C	C	(3	8.60	6
20			-	(C	<u>C</u>		8,58	5
21	10				C	C		8,60	6,
22	C			,		C ;		8,60	
23	C	The square		C				8,55	6
. 24	C	0	` /	. (0	1174		8,55	5,6
25	Ü	. C	0	. C		Û		8,55	5,
26	0	-1.67		0	0	C	N.	8,55	5,
27		a	0	C		0		8,55	5,
28	11	n	0	100000000000000000000000000000000000000	C'	C		8.58	5,
	7	7	Q.	0	0	C	54 Y	8,70	7,
30	7	8	7	C	5	5		3.79	3,
31	6	6	6	71		<u> </u>	3	16	7,
511	<u> </u>								3.

Day Chain Gate 1 Chain Gate 2 Boards Chain Gate 3 Chain Gate 5 Chain Gate 6 Chain Gate 7 Chain	OUTH		nton Lak			JULY	1 2021	/		_
Gate 1 Gate 2 Gate 3 Gate 3 Gate 4 Gate 5 Rain/Temp Gage		Chain	umme	r-8.1	O WI	nter '	7.60	NORTH	1	
1 C C C C C C C S,50 3 C C C C C C C S,50 4 C C C C C C C S,50 6 C C C C C C C C S,50 8 C C C C C C C C S,50 10 C C C C C C C C C S,50 11 C C C C C C C C C C S,50 11 C C C C C C C C C C C S,50 11 C C C C C C C C C C C C S,50 11 C C C C C C C C C C C C C C C S,50 11 C C C C C C C C C C C C C C C C C C	- Lay			Boards	Chain	Chain	Chain		Gage	4
2 C C C C C C C S,50 3 C C C C C C C C S,50 4 C C C C C C C C C S,50 6 C C C C C C C C C S,50 8 C C C C C C C C C S,50 10 C C C C C C C C C S,50 11 C C C C C C C C C C S,50 11 C C C C C C C C C C C S,50 13 C C C C C C C C C C C S,50 14 C C C C C C C C C C C S,50 15 C C C C C C C C C C C S,50 16 C C C C C C C C C C C S,50 16 C C C C C C C C C C C S,60 17 C C C C C C C C C C S,60 18 C C C C C C C C C C C C S,60 19 C C C C C C C C C C C C S,60 10 C C C C C C C C C C C C C C C C S,60 11 C C C C C C C C C C C C C C C S,60 12 C C C C C C C C C C C C C C C S,60 13 C C C C C C C C C C C C C C C S,60 14 C C C C C C C C C C C C C C S,60 15 C C C C C C C C C C C C C C C S,60 16 C C C C C C C C C C C C C C S,60 17 C C C C C C C C C C C C C C C C S,60 19 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C S,60 21 C C C C C C C C C C C C C S,60 22 C C C C C C C C C C C C C C S,60 24 C C C C C C C C C C C C S,60 25 C C C C C C C C C C C C S,60 26 C C C C C C C C C C C C C S,60 27 C C C C C C C C C C C C C S,60 28 C C C C C C C C C C C C C C S,60 29 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C C C C			1	1	Cate 3	Gate 4	Gate 5			
2 C C C C C C C S,50 3 C C C C C C C C S,50 4 C C C C C C C C C S,50 6 C C C C C C C C C S,50 8 C C C C C C C C C S,50 10 C C C C C C C C C C S,50 11 C C C C C C C C C C S,50 11 C C C C C C C C C C C S,50 13 C C C C C C C C C C C S,50 14 C C C C C C C C C C C S,50 15 C C C C C C C C C C C S,50 16 C C C C C C C C C C C S,50 16 C C C C C C C C C C C S,60 17 C C C C C C C C C C S,60 18 C C C C C C C C C C C S,60 19 C C C C C C C C C C C S,60 19 C C C C C C C C C C C C S,60 10 C C C C C C C C C C C C C C S,60 11 C C C C C C C C C C C C C C S,60 12 C C C C C C C C C C C C C S,60 19 C C C C C C C C C C C C S,60 19 C C C C C C C C C C C S,60 19 C C C C C C C C C C C S,60 20 C C C C C C C C C C S,60 21 C C C C C C C C C C S,60 22 C C C C C C C C C C S,60 23 C C C C C C C C C C S,60 24 C C C C C C C C C C S,60 25 C C C C C C C C C C S,60 26 C C C C C C C C C C C S,60 27 C C C C C C C C C C S,60 28 C C C C C C C C C C C S,60 29 C C C C C C C C C C C S,60 20 C C C C C C C C C C C S,60 24 C C C C C C C C C C C S,60 25 C C C C C C C C C C C S,60 26 C C C C C C C C C C C C C S,60 27 C C C C C C C C C C C C C C S,60 28 C C C C C C C C C C C C C C S,60 29 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 24 C C C C C C C C C C C C C C C S,60 26 C C C C C C C C C C C C C C C C S,60 27 C C C C C C C C C C C C C C C C S,60 28 C C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C C C C		172	-							1
3 C C C C C C S,50 4 C C C C C C C S,50 6 C C C C C C C S,52 7 C C C C C C C S,52 8 C C C C C C C S,60 9 C C C C C C C C S,51 10 C C C C C C C C S,51 11 C C C C C C C C S,52 13 C C C C C C C C S,53 14 C C C C C C C C S,53 15 C C C C C C C C S,54 16 C C C C C C C C S,58 16 C C C C C C C C S,58 16 C C C C C C C C S,58 16 C C C C C C C C S,60 17 C C C C C C C C S,60 18 C C C C C C C C S,60 19 C C C C C C C C S,58 20 C C C C C C C C C S,60 21 C C C C C C C C C S,60 22 C C C C C C C C C C C S,60 23 C C C C C C C C C C S,60 24 C C C C C C C C C S,60 25 C C C C C C C C S,60 26 C C C C C C C C C S,60 27 C C C C C C C C S,60 28 C C C C C C C C C S,60 29 C C C C C C C C C C S,60 20 C C C C C C C C C C S,60 21 C C C C C C C C C S,60 22 C C C C C C C C C S,60 24 C C C C C C C C C S,60 25 C C C C C C C C C S,60 26 C C C C C C C C C S,60 26 C C C C C C C C C C S,60 27 C C C C C C C C C S,60 28 C C C C C C C C C C S,60 29 C C C C C C C C C C S,60 20 C C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C S,60 20 C C C C C C C C C C C S,60 20 C C C C C C C C C C C S,60 20 C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C S,60 20 C C C C C C C C C C C C C C C C C C C		6	10	10	10	()	C		8 52	1
4		1	10	C	C	C	0		8.50	1
5 C C C C C C S 8.52 7 C C C C C C C C S 8.52 8 C C C C C C C C C S 8.62 9 C C C C C C C C C S 8.51 10 C C C C C C C C C S 8.52 11 C C C C C C C C C S 8.58 12 C C C C C C C C C C S 8.58 13 C C C C C C C C C C S 8.58 14 C C C C C C C C C C S 8.58 16 C C C C C C C C C S 8.64 17 C C C C C C C C C S 8.64 18 C C C C C C C C C S 8.64 19 C C C C C C C C C S 8.64 20 C C C C C C C C C S 8.61 21 C C C C C C C C C S 8.61 22 C C C C C C C C C S 8.61 23 C C C C C C C C C S 8.61 24 C C C C C C C C S 8.61 25 C C C C C C C C S 8.61 26 C C C C C C C C S 8.61 27 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 29 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 28 C C C C C C C C S 8.61 28 C C C C C C C C C S 8.61 28 C C C C C C C C C S 8.62 30 C C C C C C C C C C S 8.62 30 C C C C C C C C C C C S 8.62 30 C C C C C C C C C C C C C S 8.62 30 C C C C C C C C C C C C C C C S 8.62 30 C C C C C C C C C C C C C C C S 8.62 30 C C C C C C C C C C C C C C C C C S 8.62 30 C C C C C C C C C C C C C C C C C C C		5	10	C	(C	10			17
6	The second division in which the second	9	14	0	C	C	1		8.52	4.5
7 C C C C S, 52 8 C C C C S, 56 10 C C C C C S, 58 11 C C C C C C S, 58 12 C C C C C C S, 57 13 C C C C C C S, 57 14 C C C C C C S, 58 16 C C C C C C S, 64 17 C C C C C C S, 64 18 C C C C C C S, 64 19 C C C C C S, 64 20 C C C C C S, 61 23 C C C C C S, 61 26 C C C C <td></td> <td>9</td> <td>10</td> <td>C</td> <td>C</td> <td>C</td> <td>0</td> <td></td> <td>8 50</td> <td>15</td>		9	10	C	C	C	0		8 50	15
8 C C C C C C S 5 5 6 10 C C C C S 5 5 6 10 C C C C C C S 6 6 1 C C C C C C S 6 6 1 C C C C C C S 6 6 1 C C C C C C C C C C C C C C C C C	- 6	((C	0	1	0	,	8 50	17
9 C C C C C C S.55 11 C C C C C C C C C S.55 11 C C C C C C C C C S.55 13 C C C C C C C C C S.55 14 C C C C C C C C C S.55 15 C C C C C C C C C S.58 16 C C C C C C C C C S.64 17 C C C C C C C C S.64 19 C C C C C C C C S.64 19 C C C C C C C S.66 20 C C C C C C S.66 21 C C C C C C C S.66 22 C C C C C C C S.66 23 C C C C C C C C S.66 24 C C C C C C C C S.66 25 C C C C C C C S.66 26 C C C C C C C S.66 27 C C C C C C C S.66 28 6 C C C C C C C S.66 29 C C C C C C C S.66 30 C C C C C C C S.62 30 C C C C C C C S.62 30 C C C C C C C S.62 30 C C C C C C C C S.62 30 C C C C C C C C S.62 30 C C C C C C C C S.62 30 C C C C C C C C S.66 30 C C C C C C C C S.66 30 C C C C C C C C C S.66 30 C C C C C C C C C S.66 30 C C C C C C C C C S.66 30 C C C C C C C C C S.66 30 C C C C C C C C C S.66 30 C C C C C C C C C C S.66 30 C C C C C C C C C C C S.66 30 C C C C C C C C C C S.66 30 C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C C C C C S.66 30 C C C C C C C C C C C C C C C C C C C	/	<u>(</u>	C	1.0	0	C	0		8 60	12
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14		5	C	C	C	(C		8 00	10
14		<u>C</u>	C	0	C		0		0.55	12
14		(10	C	C	C	C		8.38	12
14		<u>C</u>	C	C	C	C	0		8 50	روا
15		(C	LC	C	C	10		8 = 1	12
16 C C C C C C S 6 G S 6		9	C	0	C		0		8 20	5
17		()	C	C	C	0	7		8/41	5
18		C	0	C	C	0	0		2/11	ſ
19	-	C	, C.	C	C	C	7			6
20 C C C C C C S (6) 21 C C C C C S (6) 22 C C C C C S (6) 23 C C C C C C S (6) 24 C C C C C C S (6) 25 C C C C C S (6) 26 C C C C C S (6) 27 C C C C S (6) 28 C C C C C S (6) 29 C C C C S (6) 20 C C C C S (6) 21 C C C C S (6) 22 C C C S (6) 23 C C C C S (6) 24 C C C C C S (6) 25 C C C C S (6) 26 C C C C S (6) 27 C C C S (6) 28 C C C C S (6) 29 C C C C S (6) 29 C C C C S (6) 20 C C C C S (6) 20 C C C C S (6) 20 C C C S (6) 20 C C C C C S (6) 20 C C C C C S (6) 20 C C C C C S (6) 20 C C C C C C S (6) 20 C C C C C S (6) 20 C C C C C S (6) 20 C C C C C C S (6) 20 C C C C C S (6) 20 C C C C C C S (6) 20 C C C C C C S (6) 20 C C C C C C C S (6) 20 C C C C C C C C S (6) 20 C C C C C C C C C C C C C S (6) 20 C C C C C C C C C C C C C C C C C C C	18	C		C	C	C	0			
21 C C C C C S 6 1 8 6 1 2 2 C C S 6 6 1 8 6 1 2 C C C S 6 6 1 8 6 1 2 C C C S 6 6 1 8 6 1 2 C C C C S 6 6 1 8 6 1	19	0	0	d	171	0	0.		8,02	6.
22 C C C C C C 8.61 23 C C C C C C S.61 24 C C C C C S.61 25 C C C C C S.61 27 C C C C S.61 28 C C C C C S.61 28 C C C C C S.62 29 C C C C S.58 30 C C C C C C S.56	20	C	C	0	0	0	0		Phys.	61
23 C C C C C S .63 24 C C C C C S .61 25 C C C C C S .61 26 C C C C C S .61 27 C C C C C S .61 28 C C C C C S .62 29 C C C C C S .56 30 C C C C C C S .56 30 C C C C C C C S .56 30 C C C C C C C C C	21	C	C	C	0	C	0			5,0
24 0 0 0 0 0 0 0 0 0 8.63 25 0 0 0 0 0 0 0 0 0 8.61 26 0 0 0 0 0 0 0 0 0 8.61 27 0 0 0 0 0 0 0 0 0 8.58 29 0 0 0 0 0 0 0 0 0 0 0 0 8.56 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22	C	C	C	C	mg	0		A	6,
25 6 C C C C C 8.61 26 C C C C 8.61 27 C C C C 8.61 28 C C C C 8.62 29 C C C 8.62 30 C C C C 8.56	23	C	0	0	Ö	7	0			6,
25 C C C C S 6/ 26 C C C C S 6/ 27 C C C S 8/6/ 28 C C C C S 8/62 29 C C C S 8/62 30 C C C C S 8/62	24	0	C	C	0	01	7			6,
26 C C C C C 8.6/ 27 C C C C 8.6/ 28 C C C C 8.62 29 C C C S 58 30 C C C C S 56	25	0	C	C	0	0	7		0.01	6,
27 C C C C 8,58 28 C C C C C 8,58 29 C C C C 8,56 30 C C C C C 8,56	THE RESERVE OF THE PERSON NAMED IN	(:	10	(1.	0	0	70		8.61	6
28 C C C C C 8.58 29 C C C C C 8.62 30 C C C C 8.56	27	G-(A)	7	7	7	7.	0		8.61	6,
29 - C C C C 8,56 30 C C C C C 8,56		C	0	1		8	7			5.
30 6 6 6 6 6 6 6 6 6		10	0	7	-	6	7			6.
		-A	T	7	0	7	6			5,
		7	1	7	7	7	-		3,56	5,5

	Hough	ton Lake	Dam D	ata for	Ti	ACT O	1421		•
SOUTH	7			= 1	<u> </u>	NE 2	061		
Day	Chain Chain	ummer	8.10	<u>s</u> Wr	nter '	7.60	NORTH	7	
Day	Gate 1	Chain Gate 2	Boards	Chain	Chain	Chain	Rain/Temp	Gage	
		Oale 2		Gate 3	Gate 4	Gate 5		Joage	
		17.		İ					
1	C	0	0	11	0	1/1			1000
2	C	0	0	0	-			8,58	5.7
3	C	0	7	1				8,59	5,8
-4	7	7	1	9	<u> </u>	C		8.57	5.64
5	A	71		<u>C</u>	<u>C</u>	$\perp C$		8.57	5,6
6	7	-	<u> </u>	<u>C</u>	6			8,57	5.6
			(C	C	('	k.		10
7	0	C	C	C	('_	7		^	515
8	C		9	~	2	0			5.40
9	\mathcal{C}	C	C	0		~	 	8.55	5.40
10	C	C	0	~	0	C		8.55	5.4
11	C		~	\sim		<u>C</u>			5.0
12	C	C			C	<u>C</u>		858	5.7
13		0	<u>C</u> .	<u>C</u> .		C			ا، ما
14			C	C	_	0			5.6
	C	C_{-}	C	<u>C</u>	C	C			5.2
15	C	C	C	C	2	C		8.54	5.20
16	C	C	C	C	0	C		8-55	212
17	C	C	C.	C	C				0,4
18	0	0	0	0	A			8.56	5.5
19	· O	0			0	0			3.0
20	0		2	0	0	\circ		8.39	3.6
	<u> </u>	Č	.0	0	0	0			3,6
	C			-	C	C		8.33 2	.7(
23		C Serve	0	C		C			3.84
	C		C	C	C	C	.: j	8.47 L	4.4
24	<u>C</u>	C	C	C	C	C	5		4.6
17	C	C	C.	C	C .	C	- 8	3.46 4	1.3
26	C	+ C	C	C	C	7		2.10	1.5
27	.6	0	(C	C *	~	<u> </u>	3.48 r	4.5
28	Comment	C	0	11/1	7	77		3.53 5	5.16
-		6	7	750		0	i gradi	3.54 5	5,2
30	6	0	8				Σ	3,55 6	5.40
31 -				C (C		The second second	128
311		ll l	2	11					-

	Hough	ton Lak	e Dam [Data for	11	1/1/1	A 0.1		_
					\mathcal{M}	4 Y Z	021		
HTUC	7 6								_
Day	ے Chain	umme	r-8.1	O WI	nter '	7.60	NORTH	7	
Jay	Gate 1	Chain	Boards	Chain	Chain	Chain	Rain/Tem	Coop	_
	Gate	Gate 2		Gate 3	Gate 4	Gate 5	ryami remi	Gage	
	1	1							_
		57		_L	1	1	1	í	
1	LC	10		/'	1	1	+		ر اـ
2	(1	C	1 77	1-8-	1-4	<u> </u>		8,30	12
	1	1 2	1 1		10	C		8.29	2 2
3	<u> </u>			C_{-}	1	7		9 ,//	15
- 4	C	C	C	0	0			0,41	3
5	1	0	0	1				8,38	13
	$\frac{\mathcal{L}}{\mathcal{L}}$		<u> </u>	10	1 4	10		8,40	
6		C	1 0	10	C	1	,	0,70	3
7	0	0	7		0	<u></u>		8,50	14,
8	1	7	1 >-	1	(1	C		8,50	4.
	<u></u>							9	1/1
9		C	C	0	7	6	 	0121	17
10	0	0	0	0				8,52	15
11	0	-		<u></u>	C	C	1	8.47	14
	<u></u>			1 6	0	//		0 1/	1.7
_12	("	0	0	C	-		 	8,46	4
13	0					-		8.53	5,
	6	0						8.55	5
_14	<u>C</u>	<u> </u>		C		1			1
15	C	C		(_	0	0			5,
16	11	1	C	(1)	0	<u> </u>	30	8.55	5,
	0			-			200	8,58	5,
17	-	C		C		(-		8.57	5,
18	0	-					3	0,7/	
19	0	0	77	10	0	40	115	8.59	518
		Section 2	<u> </u>			C		8.59	5.
20	<u> </u>	(('	1		8,59	5,8
21	C	C			-		27		010
22				0	1911/2 Table	10.12 21.52		8,58	5,-
	/	and the second				C.		8.56	5.5
23					0		F 7	800	5,8
24	· CI				1	/		0,31	
	0	C	C	C				8,59	5,
	-				C	C		8,59	5,0
26	C.	of the C	C	C	C.	11	111		
27	C	//	71	1	0	~	11 (4)	8,55	5,4
		7			<u> </u>			8.59	5,
28	C	6		-C	C	C	* * * * * * * * * * * * * * * * * * *		6,
29	10	C	C	0	0	0	1,010,000		
30	72:	11	11	(2) (3)	2	-		8,59	5,8
31	0	2	6	9		C	12	8,59	5,8
311	0	-	0		C		10	8.58	5.7

Summer out and state

	Hough	ton Lake	Dam [Data for	Apri	1/ 200		
OUTH	1 5	ummer	r- 8.1	a Wi	nter '			
Day	Ottalli	wilairi	Boards	Chain	Chain	Chain	NORTH	0
	Gate 1	Gate 2	-	Gate 3	Gate 4	Gate 5	Rain/Temp	Gage
		-		1				
1	6	1	4	1	6	1	PF 17 = 3	mad
2	<u></u>		4	1	1	1	- 7. X. Y	1.89
3	6	1	4	1	6	-		1,95
4	C.		4.	1	-	-	-	7,195
5	6	(4	-	-			7.90
6	0	C	4	(0			700
7	C	(4	10	-			6.78
8		(4	C	7	1		8,80
9	C	C	4	0		10		0.08
10	0	C	4		>	0	-	8.11
11		C	4	-	1	(8.08
12	C	6	4	-	-	-		8,13
13	C	-	4		0	7		8.15
14	0		4			-		8,15
15		C	4	2	-			8.14
16	C	0	4	C	7	7		80,08
17	C		16	0	7	7		8,09
18	C	0	14	7	4	-	,	8,16
19	0	10	0	1	7	~		8,16
20	6	7	1	70	7			8,15
21	0	0	7	0	7	10		8,10
22	C	6		-		5		8,13,
23	6	2	6	-	6	5		8.16
24	6	6	2	-	1	2		2.19 1
25	0	-	0	7		7		8,20 1
26	0	1.10	-	7			- 2	2,09
27	C	10	7	77	577	-	- 3	8,32 2
28	Ö	0	1	/2	8	5		8,23
29	7	ř	71	1	1	1		8.23
30			7	1	9	1		8.22 7
31						_	/	8,07.

		nton Lak			200		20%	21
UTH	5	umme	r-8.1	O WI	nter	7.60*	NORTH	7
ıy	Chain Gate 1	Chain Gate 2	Boards	Chain	Chain	Chain	Rain/Temp	Gage
		Totale 2	+-	Gate 3	Gate 4	Gate 5		
					1			
1	C	10	0	C	IC	C		110
2	0	1	10	6	0		 	1127
3	0	12	0	1	1	-		1.(04
4	1	16	0	16	17	7		1.28
5	0	10	0	1	1			1:58
6	0	10	0	17	1	-		7,57
7	U	11	0	17	1			7,57
8	V	1	7	1/	1	1	-	7,57
9	1	1	1	1	1		ļ	7.57
10		1	1	-				7.57
11		1	4	-	6			7.59
12		15	9	5	(7,62
13		-	0		(177	7.63
14			2		(6		7.105
			0		_	Cim		7.66
15			2			(7,69
16	<u>_</u>	_	2	<u></u>				7,70
7	-	<u> </u>	2	C	_			772
8	0		2	-				772
9	_	C	2	6	-			7,74
0	0	0	2	-	0			7.710
1	0	6	2	6	. (-			700
2	0	0	2		6	1		120
3	. (6	2					7.78
4	0	C	2	0	-			7.79
5		7	17	6		-		7.84
6	1	-1,1/	2	7		5	-	7.80
27		7	2	5	-5-	-5-1		7,81
8	5	7	1			16-		7,90
9		5	91	_		-		7.72
30	-		70	_	· C_	-		7.98
1	-		4			-		7.97

7.84 2.88 4.3

Houghton Lake Dam Data for Feb 2021

OUTH Day	Chain	Chain	r-8.1	O WI	nter '	1.60	NORTH	7
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1	0	0	Ø	-	-			
2	0	0	8	10	10	0		7.6
3	0	0	Ø	0	0	0	4	7.4
4	0	0	10	0	0	10		7.4
5	_0	6	10	6	(0)	10	1	7.5
6	0	0	0	0	0	6	100000000000000000000000000000000000000	7.5
7	0	0	0	0	0	0		
8	0	0	0	0	0	6		7,5
9	0	10	0	0	0	0		75
10	0	12	0	0	0	0		1.5
11		9	0	0	0	0		1,5
13	0	12	2	0	0	0		7.5
14	0	0	0	0	0	0		7.5
15		0	0	0	0	0		7.5
16	3	5	8	0	2	Ó,		7.5
17	0			0	0	0		7.5
18	0	0	0	6	<u>C</u>	C		عا. ٦
	Ċ	0		1	C	C	-	7,6
20	C	6	0	C	C	C		7.6
21	C		0	0	C			7.6
22	C	đ l	0	C	<u>C</u> .	C		7.6
23	0	0	0	C	C	0		امل
24	C	6	0.	0	COL	7		7.6
25	C	C	0	ट	C	-	-	1.0
26	C:	C	0	C	C	C	-	و)، آ سال
27	C	C	0	C	C	C	_	1.6
28	1911			(27				1.100
29								
30			1741				(2)	

Houghton Lake Dam Data for	Jan 2021
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					-			
SOUTH Day	Chain =	Chain	r-8.1	O WI	nter	7.60	NORTH	7
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain	Rain/Temp	Gage
		125			Oale 4	Gate 5	+	
1	0	+	100		1000			
2	a a	10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10	0	0		7.73
3	0	16-	1 8	0	10	0		7.71
-4	0	6	8	0	0	0		7.72
5	0	0	Ø	7.577	0	0		7.71
6	0	0	D	0	0	0	740.	7.70
7		0	Ø	0	0	0	122	7.69
8	0	0	8	0	0	0	ļ	7.69
9	٥	0	8	0	0	0		7.68
10	0	0	0	0	0	0	-	7.68
11	0		8	0	0	0	 	7.67
12	D	0	0	0	0	0		7.67
13	0	0	Ø	0	0	0		7.67
14	0	0	0	0	0	0		7.67
15	0	0	D	0	0	0		7.660 7.66
16	0	0	Ø	0	0	0	- 2	7.68
17	- 0	0	Ø	0	0	0		768
18	0	0	0	0	0	0		7.69
	0	0	Ø,	0	0	0		7.69
20	. 0	Ф	Ø	0	0	0	195	7.68
21		Ф	Ø	. 0.	. 0	0	2. 3. 22	7.66
22	O	San O second	Ø	0	0	0	4-1 14 24	7.66
23 24	. 0	0	Ø	0	0	0		7.66
25	0	D	Ø	. 0	0	0.		7.66
26	0	+6	0	0	0	O.		7.65
COLUMN TO	0		0	0	_0_	0		7.64
28	0	0	X	0	0	0		7.66
	1	0	Ø	0	0	0		7.64
30	-0	0	Transmitted a	0	0	8		7.64
31	0	6	0	00	0			7.62
Var. 22		7-1	0	Ų	V.,	0	92	7.6

5 incheo below sun I inch above wirder

Houghton Lake Dam Data for Dec 2020

SOUTH Day	Chain	οu I	MMQ hain	r-8.1	O WI	nter '	7.60	NORTH	7
	Gate 1		ate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		Π	in:			Oute 4	Gate 5		
1	0		0	0	D	0			
2	0		0	0	0	0	0	-	7.6
3	0		0	Ø	0	0	0		7.1
- 4	0	1.0	0	Ø	0	0	0		7.80
5	0	Ш	0	Ø	0	0	10	 	473
6	_0_		0	B	0	0	0	, ,	1.70
7	O		0	0	0	0	0	1	7.73
8	0		0	B	0	0	0		7-11
9	0	\bot	0	Ø	0	0			7 14
10	0		0	B	0	0		 	7 71
11	0		0	Ø	0	0	0		'' 17 7 77
12	0		0	0	0	0	0		-1+ 1-3
13	0	╄	0	D	0	0	O		7.77
14	0	\vdash	0	20	0	0	0		7.74
16	. 0	4)	Ø	0	_0_	0	-9 n	7.76
17	-0		0	Ø	0	0	0		7.70
40	0	e C	0	0	.0	0	0		7.74
19	0	100	V.	۵	.0	0	0		7.72
20	O.		0	0	0	0	0		7.72
21	0		0	<u>Ø</u>	0	0	0		7,71
22	0	1	\	9	0.	0	0		7.70
23	0		The Same of	Ø	0	0	0	1	7.72
24	, O	2 C		9	0	0			7.7a
	0)	- 60 -	. 0	0	0		7,74
26	0 -	de	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	74.	0	0	0		7,72
27	Ŏ	10	20.7	B	0	0		300	1,71
28	0	. (7 a a	4	(?)-	8	10		1.70
-29	0	.(95:	(0)	0	. 0	0	(entire))	7.69
30	-0	()	: 10	()	0	0	2 - /	1/0
31	0	1/15)	0	ŏ	0	. 0		//

Houghton Lake Dam Data for	NOV. 2020
	1100,4040

OUTH Day	Chain	Chain	Boards	O WI	nter '	1.60	NORTH	7
	Gate 1	Gate 2	boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		0						
1		C	3	C	C	C		7.5
3		C	3	C	C	C		7.6
4	<u> </u>	0	3	C	C	C		7.7 2
5	<u> </u>	0	3	C	C	C		7.70
6	6	C	3	<u>C</u> .	C	C		7.74
7			- mark	C	<u> </u>	C	8	7.74
8	1	~	3	<u>C</u>	C	C		7,75
9	C	0	3	0	C	C		7.75
10	C	C	3	-	0	C	<u> </u>	7.78
11	C	0	3	C.	<u>C</u>	C		7.83
12	0	C	3	C	2	C		7.76
_13	C	C	3	C	~	0		7.81
14	C	C	3	C	<u> </u>	C		7.74
15	C	C	3	С.	C	C.		7.40
16	Com	<u>_</u>	3	C	C	C		7.85
17	C	C	3	C	C	C	-	7.76 7.71
18	C	C :	3	C	C	G and		
19	<u></u>	C	3	·C	C			7.87 7.85
20	C	C	3	C	C	C	- U	7.77
21	2	Comme	-3	C	I.C	C		7.81
22	0	C	3	C	C.	C "	0.0	7.85
23	C	C	3	C	2	C		7.77
24		C	3	C	C	C		7.89
25		C	3	C	C	C	-	7,88
26	C	2	3	C	C	C		7.90
21	C	2	3	2	C	C	-	7.89
28		0	3	C	C	9	7 - 1	7.91
			3	C	C	C		7.90
30		(3	C	C	C	VACSU - 60	7.76

3 inches

Hinches sun labore winter

3 inches summe

Houghton Lake Dam Data for Oct 2020

SOUTH	7 50	umma	r-8.10	s We	nter '	710		
Day	Chain	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	Gage
	Gate 1	Gate 2		Gate 3	Gate 4	Gate 5		Gage
		21					,	
1	<u></u>	<u></u>	3	· C	C		-	7.50
2	<u> </u>	C	3	C	6			7.58
3	0	C	3	C	C	10		7.60
-4		C	3	C	C	2		7.62
5	C	<u>C</u>	3	C ,	C	C		7.65
6	2		3	C	C	ے	5.	7.61
7		2	3		C	C	 	7.54
8	C	0	3	C	C	C		7,57
9	C	0	3	C	C	C		7,64
10	C	0	3	()	C	C		7, 53
11	C	0	3	C	C	C		7.63
12	. 0	C	3	C	(C		7.62
13	<u>C</u>	C	3	C	C	C		7.63
14	C	<u> </u>	3	<u>C</u>	C	C.		7.66
15	0	C	3	C	C	C		7.54
16	<u>C</u>	<u>C</u>	3	_ C		C		7.60
17		C	3	C	C	C		7.69
18	C	C	3	C	<u> </u>	C		7.60
19	C	C	3	Ċ	C	C		7.59
20	0	C	3	C	<u>C</u>	C		7.63
21		a de la company	3	<u>ب</u>	- C	C		7-60
22		C	3	C	C	, C	7. 15 1. Y	7.66
23		0	3	C	C	C		7.63
24	C .	<u>C</u>	3	<u> </u>	C	2		7.70
25	4	10	3	C	C	C		7.70
26 5	C.	+C	3	C	- C 10	i.C		7.69
27	· · · · · · · · · · · · · · · · · · ·	0	3	<	C	, C		7.72
28	4. 0.	0	3	C	C	C		1.71
20,		C	3	C	C	0		7.66
30		(3	C.	C	C	T. C.	7.68
31		-	2	(-	C		7.80

Houghton Lake Dam Data for Sept 2020

OUTH Day	Chain	Chain	F-8.) Boards	O WI	nter "	1.60	NORTH	7
	Gate 1	Gate 2	boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		15						
1	C	C	3	2	2			7.8
2 3		C	3_	C	2	C		78
4	C	C	3	<u>C</u>	C	C		7.8
5	C	<u> </u>	2	<u> </u>	<u> </u>	<u>C</u>		7.79
6	C	0	3	~	-	C		7,80
7		0	3		0	C		7.91
8	C	C	3	0	-	<u></u>		יר.ר
9	C	C	3	C	6	C		7.7
10	C	-C	3	C	-	C	ļ	7.7:
11	C	2		0	0	0	 	7, 7
12	C	C.	3	C	0	0		7,80
_13	2	C.	3	0	C	0		7.83
14	C	C:	3	C.	C	0		7,74
15	00	C	3	C	C	0		7,78
16	C	C.	3	0	C	0		181
17	C	· C ·	3	0	C	C		7 7
_ 18	C	<u> </u>	. 3	0	C	C		7.70
19	C	0	3	C	C	C		1.6X
20	C	2	3	C	C	Ċ	-	1.7a
21	2	C	- 3	. 0	. C	C	10	7,7,
22	C	2	3	0	C	C		7,67
23	<u>C</u>	0	3	0	C	C		7.66
24	0		3		6	C		7.66
25		C	3	C	C.,	C		7.68
26	0		3	C	C	C	*	7.69
		C	3	C	C.	:C		7.64
28 29 (3	~	<u>C</u> .	C		7.65
30	-6.	<u>و</u>	3	0	C	C		7.64
31			3	C	C	C		7.62

-4 below Summ

5 incheo belor Summer Houghton Lake Dam Data for Oug 2020

) OH OI	<u> </u>	
SOUTH	0) ·	summe	r-8.1	O WI	inter '	7.60	NORTH]
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain	Chain	Rain/Temp	Gage
			+	Gale 3	Gate 4	Gate 5		
	4					_{_}		ŀ
	1 6	<u></u>	3	C	C	C		8.23
2		0	3	C	C	C		8.19
3		0	3	C	C	C		8.20
500 4		<u> </u>	3	C	C	C		0140
5		C	3	C	C	C		~
6		C	3	C	C	C	- 6	8.18
7		-	3	C	0	C		8.16
8		C	3	C	C	C		8.17
9		- 0	3	C	C	C		8.15
10	C	C	3	C	C	C	===	8.16
11	C	0	3 -	C	C	C.		8.19
12		C	3	C	C	C		8.13
13	C	0	3 3 3		C	C		8.14
14		C	3		C	C.		814
15	N C	C	3	C		C		8.12
16	<u> </u>	C	3	C	C	C		8.04
17.		C	- 3	0	C	C	2	8.01
18	C	0	3		C	C		7.96
19	r miles Calar	2	3	C	0	C.	1 2	8.00
20	C	C	3	<u></u>	C	C	7	7.97
21	C	C	3	E C 3		C		7.96
22		· C · · · · · ·	3	C	C	All the second		7,96
23		2	3	C	C	The state of the s	200	7.96
24	C	C	3	<u>C</u>	C :	C.	12.00	7 05
25		C	3	C	C :	C	1-	7.92
26		Can	3	C	C	C		7,99
27		C	3	C	C	:C	7	.92
28		C	.3		0	C	7	
	- C	C	3	C	C	C		779
30	C	C	3	C	C	C	Table 1	1.90
31	(C	3		C.	C	100	

OUTH	7 5	ummer	r= 8.1	o Wi	nter "	760		
Day	Onam	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	0
	Gate 1	Gate 2	 -	Gate 3	Gate 4	Gate 5		Gage
		97.			N N			
1		C	0	C	C	C		8.69
2		C	0	C	C	C		8-66
3		C	0	C	C.	C		8.64
- 4	C	C	0	C	C	C		8.65
5	<u>C</u>	C	0	<u> </u>	C	C	 	8,63
6	<u>C</u>	<u></u>	3	C	C	C	80	8.61
7		C	3		C	C		8,58
8		<u>C</u>		2	C	C		8.59
9	C		3	C	C	C		8.57
10	0	<u>C</u>	3	C	C	C.		8.52
11		2	3		C	C		8.43
12	-	0	3	<u></u>	C	C		8.40
13 14			3	C	C	C		8.41
15		0	3	C	2	C		8.44
16	0	2	3	C		C	11:	8.41
17		C	3	C	C	C		8.40
40			3		C	C		8.38
19		0			C	C		8.40
20	· /	V	3		C	C		8.41
21	10	\sim	3		C	C		8.39
22		C	2	, Q	. C	2		8.42
23		0	- 2	0	<u>C</u> .	->-1		8.42
24		~	3		0.1	S		8.41
25	*1- A-	1	3	-	0	0		8.39
26	· C ·	- 170	2	-> 	0	2		8.37
27	7.70	7	15			C		8.35
28	. (× -	3		0			8.30
29	10	C	3	-		C	3 5	8.28
30	C	~~	3		C	2		8.25
31	C	(3		-	0	5	1,25
e ^E Carro			~~	<u> </u>	<u> </u>	0	1520	5,25

Houghton Lake Dam Data for June 2020

OUTH Day	Chain	Chain	Boards	Chain	nter '	1.60	NORTH	
	Gate 1	Gate 2	Doalus	Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		::						
1	0	0	0	0	0	0		9.14
2	0	D	0	0	0	0		9.12
3	0	0	0	0	0	0		9.08
- 4	0	0	0	0	0	0		9.09
5	0	0	0	0 .	0	0		9.04
6	0	0	0	0	0	0	3.5	9.00
7	0	0	0	0	0	0		9.00
8	0	0	0	0	0	0		9.01
9	0	0	0	0	0	0		9.00
10	0	-0_	0_	0	0	0		9.07
12	0	0	0	0	0	0		8.88
13	0	0	0 .	9	0	0		8.88
14	0	0	0	0	0	0		8.89
15		-	()	0	0	0		8.88
16	0	0	0	0	0_	0		8.84
17	0	0	0	0	0	0		8.81
18		0		0	0	0		8.87
19	0	0	Ď	O	0	0	T.	8.75
20	0	0	0	0	0	0		8.72
21	0	0	0	0	0	0		8.72
22	C	0	0	0	0	0	,	8.67
23.	C	0	O	0	0	C		8.6
24	C:	0	0	2	0			8.70
25	č	0	0	0	0	0		8.71
26	(e	10	0	0	1	C		8,74
27	-	0	0	0	U	C		8,74
28	C	. 0	0		0	<u></u>		8.68
	10	0	0	0	0	<u>C</u>	3 2 8	3.70
30	C	0	Color Color	0	0	2		.69
31			0	0	0	C	13	8.67

Houghton Lake Dam Data for May 2020

	HTUC	~	ummo,	r-8.1	$\triangle W^{\dagger}$	ndor 1	7.60	446	_
	Day	Chain	Chain	Boards	Chain	nter T	Chain	NORTH	
1		Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	Rain/Temp	Gage
			E)						1
_	1	0	٥	\$	0	0	0		8,72
-	2	0	0	Ø	Ö	0	0		8.75
	3	0	0	10	0	0	0		
-	-14	0	0	0	0	0	0		8.68
<u></u>	5	0_	B	0	0	0	0		0,07
	6	0	0	0	0	0	0	55	8,73
L	7	0	0	Q	0	0	0		8.68
	8	0	0	(0)	0	0			8.61
	9	0	0	Ø.	O		0		853
	10	0	5	0	0	0	0	-	8.54
	11	0	atti.	0	0	0	0	 	8.56
	12	0	0	80	0	0	0		8.51
	13	0	G	Ø		0	0	 	8,50
	14	0	^	Ö	0	0	0		8,56
	15	. 0	0	0		0	0		8,59
	16	P	0		0	ව	0	<u> </u>	8.52 8.55
, .	17		0	Ø	10.7880	0	0		
781	18	0	Δ.	200	0	0	0		8.57
			0	8	0	0	0	<u> </u>	8.83
22.5	20	0		छ	(5)	0	0		8.95
201		C)	.0	Ø	0	0	0		8.99
tur-	21	- 0	1200	Ó	0	0		,	9.02
0,21	22	0	. // Name	0	0	0	0		9.04
4	23	0	0	B	0	0	O		9.07
100	24	0	0	D	0	01	0		911
1	25	0		8	0	0.	0		9.13
	26	0	Ö	ख	0	0	0		912
10	27	0	0	Ø	0	0	(0)		9 4
	28	0	0	Ø	0	0	0		9 4
	29	0	0	Ø	. 0	. 0	0	100 100	9 15
λ	30	-0	0	0	0	0	0	(
. (4.)	31	0	0	0	0	0	8		9.13

Houghton Lake Dam Data for april 2020

OUTH Day	Chain	Chain	r-8.1	O WI	nter '	1.60	NORTH	7
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		ž÷			12		1	
1	0	0	0	0	0	0		0.7
2	0	0	80	0	0	0		8.7
3	0	0	D	0	0	0		8.7
- 4	0	0	10	0	0	0		8.7
5	0	0	Ø	0	0	0		8.7
6	0	0	18	0	0	0	•	8.74
7	0	0	Ø	0	0	0		8.7
8	0	0	Ø	0	0	0		8.7
9	0	0_	8	0	0	0		86
10	0	0	(6)	0	0	0		8.6
11	0	0	10	0	0	0		8,7
12	0	0	B	0	0	0		8,79
14	0	0	9	- 0	0	0		8.6
15	0	0	70	0	0	0		8.69
16	.0	0	9	0	0	0	YI.	8.6
17	0	0	0	0	0	0		8.6
18		0	. Ø	0	0	0		8.65
19	0	0	8	0	0	Ŏ		8,60
20	0	9	160	0	0	0		8.55
21	0	0	0	0	0	0		8.6
22		0	160	0.	. 0	0		8.44
23		O	10	0	0	0	75. S. A. A. A.	8.58
	1100	0	O)	0	0	0		8.62
24 25	14.0 m	· O-	()	0	1	0		8.56
26		0	B	0	0	0		8.54
27	0		Cd.	0	0	0		8.50
28	0	٥	d)	0	0	0	12.0	8.52
	0	0	O.	0	0	0	1. 2. 2	8.54 8.54 8.50 8.53
2.5	0.	0	Ø	O I	0	0		8.65
30 31		0	0	0	0	0	2	9 45

Houghton Lake Dam Data for

Warry 3030

Day	Chain	Chain		O W	inter '	1.60	NORTH	7
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
		έļ			~			
1	0	0	Ø		0	0		8.30
3	0	0	B	0	0			8.35
- 4	0	0	0	0	0	0		8.34
5	0	0	10	0	0	0		8.33
6	0	0	Ø	0	0	0		8.3
7	0	0	0	0	0	0	83	8.3
8	0	0	10	0	0	0		8.31
9	0	0	Ø	0	0	0		8.31
10	0	0	10	0	0	0		8.3
11	\sim		Ø	0	0	0		8.31
12	8	 	Ø	0	0	0		8.38
13	0	 2 -	0	0	0	0		8.40
14	Ö	\sim	X	l ×	0	0		8.43
15	0	0	X	0	Ö	0		8.44
16	0	0	10	0	0	0	12	8.44
17	Ö	0	8	0	0	U		8.45
_ 18				60	O	0		8.45
19	0	<u> </u>	00	0	0	0		8.4
20	0	(C)	Ø	0	0	0		8.46
21	0	C	- 10		0	0		8.50
22	0	0	Ø	0. *	0	0.		8.51
23	.0	0	8	0	0	0		8.52
24	0	0	· 6	,0	0	0		8.51
25	0	0	B	0	0	0		8.51
26	0	N	Ø	0	0	0		8.52
27	0	0	6	17-1	0	0	72	8.52 8.53
28	0	0	0	0	0	1/4		<u>8.53</u>
1000	10	0	Ø	0	0	0	(% #)	8.56
30	0	0			0	0	3	.67
31		0	0	0	0			3.65

Houghton Lake Dam Data for Feb 2020

OUTH] 5	umme	4-8.1	0 Wi	nter '	7.60	NORTH	7
Day	Chain Gate 1	Chain Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1	D	0	0	b	()	0		8,65
$-\frac{2}{2}$	0	0	18	0	0	٥		8,6
3	0_	0	Ø	0	-0	0		8.63
5	0		0	0	0	٥		8.6
6	0	0	0	0	10	٥		8.62
7	Ð	0	100	6	0	0	<i>*</i>	8.61
8	0	0	Ø	0	0	0		8.60
9		0	Ø	0	0	0		8.59
10	0		0	٥	0	0		8,59
11	0	٥	13	0	0	0		8.50
12	0	0	0	0	0	2		8.57
13	0	0	0	0	10	0		8.51
14	0	0	0	0	0	0	9	8,55
15	0	0	0	0	0	0		8.55
16	0	0	Q	0	0	0		8.54
17	.0	0	10	0	0	0		8,52 8,50
18	0	0	0	0	6			8.50
19	0	0	a	0	0	0		8.50
20	0	0	Ø		0	0		8.49
	0	D	Ø	0	0	0		8.48
22	0	0	23221000	Ó	0	O	1,22	8.47
23.	0	0	8	0	3.00			8.45
24	0	0	Ø	0	0	0		8.44
25	.0	0	0	Õ	0	0		
26	0	B	a	0	0	0		
27	0	Ö	0	0	0	10		8,39
28	0	Ö	Q	0	0	0		8.39 8.38
29.	O	0	N	0	0	0	1,196	0.00
30			9 227	S (41)		~		8.37
31	e angli		2-24 0			W.C		

Houghton Lake Dam Data for Jan 2020

Chain Gate 1 Chain Gate 2 Boards Chain Gate 4 Chain Gate 5 Rain/Temp Gage	SOUTH	2	summe	r-8.	10 W	inter	7.60	Nonzu	٦
1	Day	Jonain	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	Gage
2		Oate 1	Gale 2		Gate 3	Gate 4	Gate 5		
2			- 1			1	1	1	
3 D O O O O O S S S S S S S S S S S S S S				Ø	0	0	D		8100
4 0			0	0	0				8.66
10			0		0				
5 0 0 0 0 0 0 0 8 1 6 7 6 0 0 0 0 8 7 6 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		188	0	Ø	0			 	0
6 0 0 0 0 0 0 0 0 8 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1				0	0				
			0		0	1		K**	
8 0 0 0 0 0 0 0 8.16 10 0 0 0 0 0 0 0 0 8.16 11 0 0 0 0 0 0 0 0 0 8.16 12 0 0 0 0 0 0 0 0 8.76 13 0 0 0 0 0 0 0 0 8.76 14 0 0 0 0 0 0 0 8.76 15 0 0 0 0 0 0 8.76 16 0 0 0 0 0 0 8.76 20 0 0 0 0 0 8.76 21 0 0 0 0 0 0 8.76 22 0 0 0 0 0 0 8.76 23 0 0 0 0 0 8.76 24 0 0 0 0 0 8.76 25 0 0 0 0 0 8.69			0		0	0		 	
10 0 0 0 0 0 0 0 8.6 11 0 0 0 0 0 0 0 0 8.6 12 0 0 0 0 0 0 0 0 8.7 13 0 0 0 0 0 0 0 8.7 14 0 0 0 0 0 0 0 8.7 15 0 0 0 0 0 0 8.7 16 0 0 0 0 0 8.7 17 0 0 0 0 0 0 8.7 18 0 0 0 0 0 8.7 19 0 0 0 0 0 8.7 20 0 0 0 0 0 8.7 21 0 0 0 0 0 8.7 22 0 0 0 0 0 0 8.7 23 0 0 0 0 0 0 8.7 24 0 0 0 0 0 8.69		0	0	B		0	0		
10 0 0 0 0 0 0 0 0 8.4 11 0 0 0 0 0 0 0 0 0 8.7 13 0 0 0 0 0 0 0 8.7 15 0 0 0 0 0 0 0 8.7 16 0 0 0 0 0 0 8.7 17 0 0 0 0 0 0 8.7 18 0 0 0 0 0 0 8.7 20 0 0 0 0 0 8.7 21 0 0 0 0 0 8.7 22 0 0 0 0 0 0 8.7 23 0 0 0 0 0 0 8.7 24 0 0 0 0 0 8.69		0	0	D	0	0	0	 	0.100
12 0 0 0 0 0 0 0 0 8.7 13 0 0 0 0 0 0 0 0 8.7 14 0 0 0 0 0 0 0 8.7 15 0 0 0 0 0 0 8.7 16 0 0 0 0 0 0 8.7 17 0 0 0 0 0 0 8.7 18 0 0 0 0 0 0 8.7 20 0 0 0 0 0 8.7 21 0 0 0 0 0 8.7 22 0 0 0 0 0 0 8.7 23 0 0 0 0 0 0 8.7 24 0 0 0 0 0 8.7 25 0 0 0 0 0 8.69					0	0	0	 	
12 0 0 0 0 0 0 0 0 8.7 13 0 0 0 0 0 0 0 0 8.7 14 0 0 0 0 0 0 0 8.7 15 0 0 0 0 0 0 8.7 16 0 0 0 0 0 8.7 17 0 0 0 0 0 0 8.7 18 0 0 0 0 0 8.7 20 0 0 0 0 0 8.7 21 0 0 0 0 0 0 8.7 22 0 0 0 0 0 0 8.7 23 0 0 0 0 0 0 8.7 24 0 0 0 0 0 8.69		0	0	B	0	0	0		0.00
14 0 0 0 0 0 0 0 8.7 15 0 0 0 0 0 0 8.7 16 0 0 0 0 0 8.7 17 0 0 0 0 0 8.7 18 0 0 0 0 0 8.7 20 0 0 0 0 8.7 21 0 0 0 0 0 8.7 22 0 0 0 0 0 8.7 23 0 0 0 0 0 8.7 24 0 0 0 0 0 8.7 25 0 0 0 0 8.69		0	0			0		 	8.73
15		0	0	10	0	0	1900	 	
15		_ D	0	G					
16 0 0 0 0 0 8.7. 17 0 0 0 0 0 8.7. 18 0 0 0 0 0 0 8.7. 20 0 0 0 0 0 8.7. 21 0 0 0 0 0 8.7. 22 0 0 0 0 0 8.7. 23 0 0 0 0 0 8.7. 24 0 0 0 0 0 8.69		0	0	Ø					197
17		0	0	Ø	0		0	=	
19		0	0	6	0		0		-
20 0 0 0 0 0 0 8.73 21 0 0 0 0 0 0 8.73 22 0 0 0 0 0 0 8.73 23 0 0 0 0 0 8.73 24 0 0 0 0 0 8.69		0	0	0	0	0	0		
20 0 0 0 0 8.73 21 0 0 0 0 0 0 8.73 22 0 0 0 0 0 0 8.73 23 0 0 0 0 0 0 8.73 24 0 0 0 0 0 8.69	19	. 0	0	do	0	. 0			
21 0 0 0 0 0 8.76 22 0 0 0 0 0 0 8.76 23 0 0 0 0 0 0 8.76 24 0 0 0 0 0 8.69		0	0	Ø		O		2 2	
23 0 0 0 0 0 8.70 24 0 0 0 0 0 8.69 25 0 0 0 0 8.69		0	0	0	0	0	200		A
23 0 0 0 0 0 8.70 24 0 0 0 0 0 8.69 25 0 0 0 0 8.69		0.	0	0	0	0	11,505 (21.95)	04 11 N	87
25 0 0 0 0 8.69		. 0	0	0	0	0	O	1 11	
25 0 0 0 0 8.69		(n)-	0	Ø	0	0		22.20	
		.10	10	Ø	0	0	er e		
		0	17	(8)	0	0	0	-	8.69
27 0 0 0 0 0 0 0 0		0	O			0	The second second	10 10 00	2 / 0
28 0 0 0 0 0 0		U	0		0	0	100		8.68
29 0 0 0 8 6		- 0	.0			0	1.0000	2703 17	8.67
30 0 0 0 0 0 0		0	0	-	100				
· · · · · · · · · · · · · · · · · · ·	31	D	0		6	Transfer of the same	2.0		

6 unches + Sumi 12 unches + win

Houghton Lake Dam Data for Dec 2019

SC	UTH	7 5	- oumma	r-8.1	1 W	nter	710		
D	ay	Chain	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	Coop
10		Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	rvain remp	Gage
			23		-				
<u> </u>	1	0	0	0	0	0	0		010
<u> </u>	2	0	0	8	0	0	0		8,62
_	3	0	0	Ø	0	0	0		8.60
_	4	0	0	Ø	0	0	8		8.56
	5	_0	0	Ø	0	0	0		8.57
<u></u>	6	0	0	Ø	0	0	<u> </u>		0.51
	7	0	0	18	0	0		+	8.55
	8	0	0	Q	Ó	0	0	 	8,57
	9	0	0	0	0	0	0		0.5/
	10	0	9	0	0	0		-	8.60
	11	0	0	Ø	0	0	0		8.63
)	12	0	0	9	0	0	Ō		0,05
	13	O	0	Ø	13	0	0		8.65
	_14	0	0	8	0	0	0		
	_15	0	0	0	0	0	٥		8.62
	16	0	0	0	0	0	0	10	8.60
100	17	· O	.0	Ø	0	0	0		8,59
2 2 1	_ 18	5	0	0	0	0	0		8.57
2,	19	0	0	Ø	0	0	n		8.57
200	20	0	0	0	0	0	0		8.55
7.77	21	0	0	0	0	0	0		8 52
30.5	22	0	0	Ø	0	0	O	16 a 2	8.53
	23	0	0	0	0	0	0		8.50
	24	0	0	10	0	0	0		8.50
14 W	25	0	0	8	0	0	0		
(EI,	26	0	Q.	10	0	0 .	0		8.48
e e	27	0	0	D	۵	ŏ	D		2.47
5. W _e	28	0	0	B	.0	b	0		
[] (1) [] (1)		O	ð	b	0	0	0	. 600	8.45 2.47
1	30	-0	0	80	0	0	0	- C	260
u lu	31	0	0	do	0	0	0		8.64

Houghton Lake Dam Data for NOV 2019

SOUTH	1 5	umme	K- 81	1 W	inter '	710		
Day	Chain	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	0000
	Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	rain/remp	Gage
		<u> 13</u>	1					
1	0	0	4	0	0	Ö		8.43
2	0	0	B	0	0	0	 	8,44
3	0	0	8	0	0	0		8,45
×:4	0	0	Ø	0	0	0		8,47
5	_ <u>Ŏ</u>	0	0	0	0	0		8.44
6	0	0	Ø	0	0	0	2.	8.48
7	0	0	B	0	0	0		8.45
8	0	0	Ø	0	0	D		8.48
9	0	0	B	0	0	0		8-51
10	0	0	B	0	0	D		8.45
11	0	0	B	0	0	0		8.45
12	2	0	9	0	0	0		8.50
13	0	0	b	0	0	0		8.50
14	0	0	8	0	0	0		8.48
15 16	<u>n</u>	0	8	0	0	0	<u> </u>	8.46
17	0	0	(7)	_0_	0	0		8.45
18	0	0	Ø	0	0	0		8.44
19	0	Ŏ	0	0	0	0	`	8.43
20		0	Ø	0	0	0		8.42
21	0	0	Ø	0	0	0		8.41
	0	0	85	0		0		8.43
23	70	27 199-10		U	()			8.44
24	0	0	di	U	0		18	8 45
25	0	19	90	0	0	0.		8.44
26	0	-+1V	9	0	0	0		844
12 197	r ()	. V .	18	Ô	0	0		8.43
28	*******	0	- 12		0	10	{	6.49
	0	0 -	10	0	0	U	- Sec	851
30	-0,	0	0	()	0	0		8,55
31		<u> </u>	V	(())	0	0		3,59

Houghton Lake Dam Data for Oct 2019

SOUTH	7 5	umme	K- 81	a vil.	nter	710		
Day	Onam	Chain	Boards	Chain	Chain	Chain	NORTH Rain/Temp	Gage
	Gate 1	Gate 2		Gate 3	Gate 4	Gate 5	Train remp	Gage
1		0	0	0	0	0		8,27
2		0	10,	0	0	0	+	
3		0	8	0	0	0		8.34
- 4		0	8	6	0	0		8.33
5		0	Ø	0	0	0		8,40
6		0	Ø	0	10		50	8.31
7		0	B	0	0	0	 	8.27
8	-	0	B	0	0	0		
9	0	0	B	0	Ö	10		8,29
10	0	0	10	0	0			
11	0	0	Ö	0	0	0	 	8.29
12	0	0	8	Ö	0	0	 	8.35
13	0	0	0	0	0	0		8,30
14	0	0	Ø	0	0	0		8.26
15	0	0	8	0	0	0		8.3
16	0	0	B	0	0	0		8.17
17	0	0	Ø	0	0	0		8.19
18	. 0	0	783		0	0	7	Q al
19	0	A	Ø	Ď		0		
20	0	0	Q	0	ñ	0		8,29
21	0	0	0	Ó		\cap		8.36
22	0	0	Ø	0				0
23.	0	0	Ø	0	0	6	- A2 X	8.25
24	0	0	Ø	0	0	Ŏ T	e de la composition della comp	8.24
25	0	0	0	0	0	Ŏ		8.25
26	0	-0	Ø	0	0	0		
27	0	0	Ø	ŏ	0	0		8.28 8.30
28		0	Ф	0	0	0	10	8.34
29	90	0	0	. 0	0	0	75 70	8, 32
30	-0	0	0	D	0	0	(A)	0, 24
31	O	٥	\$	0	\wedge	Ö	7	1,29

Houghton Lake Dam Data for Supt 2019

OUTH Day	Chain	Chain	Popular	O WI	nter '	1.60	NORTH	
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain Gate 5	Rain/Temp	Gage
1								
2	C	<u>C</u>	5	10	10	C		8.4
3		C	5	C	C	C		8.3
4	C	<u> </u>	5	C	C	C		8.4
5	C		5	1	C	1		8.38
6	C	C	1	1		2		8,40
7	0	C	-	10	<u>C</u>	10		8.44
8	C	C	5	6	C	0		839
9	C	C	5	2	0		-	8.4
10	C	C	5	C	C	C		8.4º
11	C	C	5	C	C	C		8.45
12	_0	0	10	0	0	0	 	8.45
13	0	0	D	0	0	0		0:75
14	0	0	0	0	0	0 .		8.3
15	0	0	Q	0	0	0		8.4:
16	0	0	0	_0_	0		-	8.41
17	-0	0 4	Q	0	0	0		8.43
18	0	0	Ø	0	0	0		8.40
20	. 0	0	0	0	U	0		8.39
21	0	8	8	0	0	0		8.35
22	10	0	0		0	0		8.35
23	-0	0	8	0	0	()	31	8.39
24	0	0	. 8	0	0	0		8.35
25	0	0	0	ŏ	0	0		8.39
26	0	10	80	a	0	a		8.37
27	0	0	0	0	O'	0		8.31
28	0	0	6	0	ň	0		8.29
29	10	0	80	0	O	0		
30	-0'	0	9	0	0	~		8.32 8.32
31					-	1		0.70(

Houghton Lake Dam Data for Aug 2019

SOUTH	1 5	umme	- 0	10 11	1	,		
Day	Chain Gate 1	Chain Gate 2	Boards	Chain	Junain	7.60 Chain	NORTH Rain/Temp	Gage
			 	Gate 3	Gate 4	4 Gate 5	- Can remp	Gage
1	C	C	7.5					
2	C	C	5	5				8.63
3	C	C		-	- <u>C</u>	<u>C</u>		8.63
4	C	C	5			<u> </u>		8.62
5	C	C	5	C	- C	<u> </u>		8.61
6	C	C	5	C		C		8.61
7	(C	5	C				8.62
8		4-C	. 5	6		C		8.63
9	C	C		Č		C		8.57
10	₽ (C	<u>5</u>	-	C	C		8.55
11	C	C	95		1 -			8.57
12	C	C	5		C	C		8.58
13	C	C	5	Č	1 6	C		8.57
1,4	$C \mid$	C	5	C	6			8.55
15	C	C	5	. C	1 - 2	1 6		8.5%
16	(, , ,	C	5	Č.	-			8.54
17	(.	C	_5	Č	-			8.57
18	Č.	C	5	C	1	0	8	
. 19		Circu	5	C	1-~	1		3.5b
20		C	5	C	Ĉ.	1-2-	8	
21	C	<u>C :::</u>	5	C	C	1-4	8	.54
	Ċ	(5	C	Č	-	8	
23 (· C · ·	5	C	C	C	8	.48
24			5	C	C	(8	.49
25 (<u>C</u>	5	С	C	0	8.	5
26 (C	5	C	C	(- 8	.52
27			5	C	C	0		.60
		C	5	A	C	7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	49
	2	6	5	C	. C .	C	8.	44
30	(C .	5	C.	C	C	- 8,	46 ,40
311	C	C	5	C	C	C	8	,40

Houghton Lake Dam Data for July 2019

	SOUTH	1 5	11 100100			,		1001	1	
	Day		I - HORITA	F - 8, Boards	Chain	linte	er T	1.60	NORTH	
ः		Gate 1	Gate 2		Gate 3	li ju	aın te 4	Chain Gate 5	Rain/Ten	p Gage
			12	1				Cate 5		
	1		0	0						
-	2	C	0	0	0		3	2		8,71
-	3	C	0	0	0	0)	C		8.70
J	4	C	0	0	0	1 0		C		8,70
-	5	0	0	0	0		5	0		18.71
\vdash	6	0	D	D	D	0		0		8.78
-	7	O	D	.0	D	0		0		8.76
-	8	0	0	0	0	0		0		8.75
-	9	0	0	0	0	0				8,72
-	10	0	0	0	0	10		0		8.71
	12	0	0	0	0	10		0	 	801.8
-	13	0	0	0	0	0		0		8.56
	14	0	0	0	0	0		.0		8.58
	15	<u>C</u>	0	0	0	× D		0		8.50
	16	C	2	2	C	C		C	200	8.51
	. 17	C	2	2	_	C		C		8.57
=	18	C	2	2	C	0		C		8.62
	19	A 111 111	<u> </u>	4-	C	Q		C		8.63
	20	C	C:	2	C	6		C		8.60
	21	0	C	~	C	0		C		8.61
_	22	C	C	5			_			8.63
12	23.	C C		5	0	C	(8.63 8.59 8.58
- 1	24	· C · · C		5	c	C.	-	C		8.58
	25	0.0		5	C	C	(8.60
	26	6		5	0	^	C			8.62
	27	· C .	C.	5	C		C			3.62
	28	C	ک	5		-	10			3.62
	29	C	C :	5	C	Cit	10	-	8	3.62
_	30	6	C .	5	C .	C	1-	7	- 1	3.63
	31		C	5	C	C	1 (
		9 5			5.0				= S	59

Houghton Lake Dam Data for June 2019

	SOUTH	1 5	umme	K- 8	10 11	Len		~		
	Day	Chain Gate 1	Chain Gate 2	Boards	Chain	, rre	cer r	(· (o)△ Chain	NORTH	
		-	Oale 2	+	Gate 3		Sate 4	Gate 5	Rain/Temp	Gage
					_ {					
	1	0	0	0	0	+	0			
	2	0	0	0	0	_	0	0		8.79
	3	0	0	0	0		0.	0		801.8
	5	0	0	0	0		0	0		8.69
	6	0	0	0	0		0	0		8.71
1	7		0	0	0		0	0		8,68
1	8	0	0	0	0		0	0		8.66
1	9		0	0	0		0	0	 	8.66
ŀ	10	0	0	0	0		0	0	+	8.64
F	11	6	0	0	0		0	D		8.63
4	12	C	0	9	0		0	O		8.54
	13		2	0	C		C	0		8.61
1	14	2	2	0	C		2	2		8.67
	15	C	C	0		(C		8.71
T	16	0		0				C.		8.85
	17	. (0	8	0	_	C	C		8.89
	18	C	C	0	C	_		C		8.90
	19	C.	0		<u> </u>	2		C	(8.91
L	20		\sim	0	0		>	C		3.87
	21	C		0	0	0		C		189
_	22	C	0	0	0	Ő		C	8	.82
	23	C	0	0	0	0		2	8.	83
	24	.C	Ŏ. · · · ·	0	Q	0		<u> </u>	8.	82
	25	C	0 "	0	0	0			8,	84
	26	C	0	0	0	0		C	8.	81
_		C (3	7	2-1	0			8.	78
	28	<u>C</u> .	0	2		0			8.	78
	29	7 () 1.	0	0	9	. (8.	78
_	30	C. (9 .	0	0	0			-	74
	31				-	U	C		8-	74
	4	50 40	1000000							7

Houghton Lake Dam Data for May 2019

Day	Chain Gate 1	Chain	Boards	Chain	Chain	Chain	NORTH	
	Cate	Gate 2	-	Gate 3	Gate 4	Gate 5	Rain/Temp	Gage
1	0	-	-					
2	0	0	0	10	0	0		8.8
3	0	0	0	0	0	0		8.9
344	0	0	10	0	0	0		8.9
5	0	0	D	0	0	0		8.9
6	0	0	0	0	0	0		8.90
7	0		0		0	0		8.93
8		0	0	0	0	0		8'0
9	0	0	0	0	0	10		8.97
10	0	0	0	0	0	0		8.96
11	0	0	0	0		0		_8,82
12	0	0	-0		0	10_		8.94
13	0	0	ð	9	0	0		8.9
14	0	0	0	0	0	.0		8.88
15	D	0	0	0	0	0		_8.88
16	Ó	0	0	0	0	0	(9	8.85
17	- 0	0	0	0	D	6		8.91
18	0	0	0	0		0		8.82
	6	6	0	0	0	0		8.80
20	0	0	0	0		0		8,79
21	. 0	0	0	0	0	0		8.74
22	8	0	. 0	0	0	0		18.8
23.	0	0	0	0	0			8.85
24	0.	0	0	0		0		8.74
	.0	0	0	0	0	0		7.79
26	.0	0	0	0	0	0	- 8	.83
27	0 .	0	0	0	0			.81
28	0	0	0	0		0		3.84
29	0	0 :	0	0	0	0	8	.84
30	0		5	0	0	0	<u>\</u> \ <u>\</u> \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \	80
31	0	0	0	0	0	0	8.	80 80

Houghton Lake Dam Data for Opn		
apr	نا	2019

SOUTH Day	Chair 5	umm	er-8.	10 1	Vinla	7.60		
Day	Chain Gate 1	- I OHIGHT	Boards	Chain	Chair	1,00	NORTH	
	Jale 1	Gate 2		Gate 3	Gate	Chain Gate 5	Rain/Temp	Gage
		19				Cale 5		-
1	0	0	Ò					1
2	0	0		0	0	0		826
3	٥		0		0	0		8,25
4	0	0	8	0	0.	0		8,21
5	0		70	0	0	0		8.2
6		0	9	0	. 0	0		8.2
7	10	0	9		0			8,3
		0	10	O	1 0	0		<u>8.3</u>
8	8		0		-			8.3
9	0	0	8	0	0	0		8.40
10	0	0		0	0	0		8.4
11	0	0	8	0	10	0		8.4
12	0	0	8	0	0	0		8.61
13	0			0	10	0	 	0.01
14	0	0	0	0	0	0		8.60
15		0	Ø	0	0	0	 	8.59
16	0	0	18	0	0	0		8.56
17	0	0	9	0	0	0		8.63
	0	D	4	6	D			8.71
18	0	.0	0	0	0	0		3:82
19	0	0	0	0		0		3,79
20	-	0	0	0	0	0		3,86
21	6		8	0	0	0		3.90
22	. 0	O	0		1 0	0		,94
23	0 .	7	7	0	0	0	5	192
24	-		-CV	U	0	0	15	770
25			0	0	0		0	5.72
20 5 6	0.	0 .	Q	0	0	0	- 0	192
27 (11.70		8	0	0	0		.88
100	2	2	0	0	0	0		189
)	4	0	0	0	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	192 .88 .82 .84 .93
20	0		D.	0	0	2	8	93
	0	3.4	Q	0	_0	0	8	.87
31	1 2	A	1	-		0	8,	89

ginches about Summer 15+w

9 unches over sun

Houghton Lake Dam Data	for Manch 2019
Summer - 8.10	Winter 760 =

SOUTH	1 5	ummo	r-8.1	\ \ \\		7/001	1		
Day	Day Chain Gate 1		Boards	Chain	Chain	(+60)	NORTH		
	Cate 1	Gate 2		Gate 3	Gate 4	Chain Gate 5	Rain/Temp	Gage	
ļ			1					 	
1	0	0	(4)	0	-	-			
2	0	0	6	0	0	10		7.95	
3	0	0	0	0	0	0		7.94	
- 4	0	0	6	0	0	0		7.93	
5	0	0	P.	0	0	10		7.93	
6	0	0	(1)	0	0	0		7.91	
7	0	0	8	Ö	0			7.92	
8	0	0	10	0	0	8		7.92	
9	_0_	0	Ø	0		0		7.90	
10	0	0	8	0	0	0		7.89	
	0	0	0	0	0	0		7.89	
12	0	0	Ø	0	0	0		7-88	
13	0	0	Ø	0	0	0		7.88	
14	0	0	Ø	0	0	0		7.88	
15 16	0	0	Ø.	0	0	Ô		8.00	
17	0	0	Ø	0	0		(2)	7.99	
18	.0.	0	B	0	D	0		8.01	
19	0	0	Ø	0	0	0		8.01	
20	0	0	B	0	0	0		3.02	
21	0	0	Ø	0	0	0		3.01	
	0	0	9	0	0	0		.03	
23	0	O	0	0		0		03	
24	0	0	0	0	0	0		3,04	
25	0	7	0	0	0	0		Olo	
26		$\frac{2}{2}$	9	0	0	0		09	
27	.0.	0	0)	0		0	8	.10	
28	8	2	Ø	0	0	0	8	.13	
29	0	0	0	(C)			8		
30	ð'	0		2	(5)		8	.16	
31	7	0 .	Ø	0	0	7	. 8,	18	
19±30		U	QI	0	0	5	0/	30	
	100					<u> </u>	.] 01	NO.	

Houghton Lake Dam Data for 100 2019

SOUTH Day	Summer - 8. Chain Chain Boards			NO	linter	7.60	NORTH	NORTH		
	Gate 1	Gate 2	Boards	Chain Gate 3	Chain Gate 4	Chain	Rain/Temp	Gage		
		1				Gate 5		 		
1	0	0	8					L		
2	0	0	Ø	18				7.9		
3	0	0	Ø	0	0			7.9		
-4	0	0	Ø	0	0			7.9		
5 6	0	0	Ø		0	0		7.9		
7	0		0	0		0	+	7.94		
8	0	0	1 Q	0	0	0	-	7.95		
9	0	0	0	0	0	D		7.9		
10	0	0	0	0	0	0	 	7.98		
11	0	Ö	0		0	0		7.97		
12	0	0	8	0	0	0		7,97		
13	0	0	0	0	0	0_		7.96		
14	0	0	8	0	0	0		8,00		
15	0	0	B	0	0	0		7,99		
16	0	0	8	0	0	0		7.98		
18	.0	0	- Q	0	0	0		7.97		
19	Q	0	Q	0	0	0	- F	7.96		
20		0	B	0	0	0	T	7,95 7,95		
21	4.1	0	8	0	0	0	-	7,95		
22	0		8	0	0	0	7	194		
23	0 (77)	0	0	0	0	1-			
24		O	0	0	0	0	7	. 93		
25		0 ,	0	0	0	0	7	96		
07	(a)	0	0	0	0	0		96		
100	0	0	Ó	0	0	0	7.	95		
29	0	0	9	. Q.	0	0		.95		
30	. 3		8		•	<u> </u>		95		
31	1	22								

I man below su

- 1	Hough	ton Lak	e Dam	Data fo	r	Tax			
SOUTH Day	Chain Gate 1	umme Chain Gate 2	اراً۔ Boards	Chain	lona	Jar 7.60 in Ch	٥	NORTH]
			+	Gate 3	Gate		te 5	Rain/Temp	Gage
1	0	0	do	-	-				
2	0	0	D	0					8.07
3	<u>(6)</u>	0	K	6					8.07
5	<u>カ</u>	0	0	0	2				8,07
6	8	0	10	10			-		8.06
7	60	చి	0	10	0).		8.05
8	0	0	0	10	<u> </u>				8.07
9	6	0	0	10	- C				809
10	400		N	0	0				808
12	0		<u>Ø</u>	0		0			8.08
13		0	0	0	0				8.08
14		9	0	0	0	.0)	5	8,06
15	400		0	0	10	- 0		.5	3.06
16	@ 6	3	0	0	10	- 0		\	,05
17.	4972	25	Ø	0	0	0		8	3,04
19	JP 11		Ø	0	0	0			803
20		5	0	0	(3)	0		8	,02
21	0 0		2	0		0		8	00
22	0	O	8	0	0	0		7	.00
23	0 0	The state of the s	.8.	0	0	0		7.	99
24 25	0. 3). · ·	0	0	0	10			97
26	0)	0	8	0	10		70	99
27	3 0		0	2	0	0	-		98
28			0	0	0	0		7.	97
29	0	5	8	3 +	(7)	0		7,0	19
30	5. C) //	0	0 .	0	0		5,8)
31	010)	\$	۵	0	18		8.0	
	9 9 2			100		-		. 8.0	20