

Kate Taylor

From: Scott Hopkins
Sent: Tuesday, August 29, 2023 10:46 AM
To: 'Josh Bell'; 'Travis Maitland'; 'Verhey, Patrick M (DFW)'; 'Mark Peterschmidt'; 'Breean Zimmerman'; 'damon.roberts@ecy.wa.gov'; 'Jim Pacheco'; 'Kari Grover Wier'; 'Hugh Anthony'; 'Rawhouser, Ashley K'; 'jody.walters@noaa.gov'; 'Justin Yeager'; 'Phil Archibald'; 'fisheries@ctuir.org'; 'Bret Nine'; 'blod@yakamafish-nsn.gov'; 'info@mansonparks.com'; 'bgoedde@cityofchelan.us'; 'wfarris@cityofchelan.us'; Bill Towey; 'Thomas O'Keefe'; 'Nelle, RD'
Cc: Martha Whiteman; Kate Taylor; Laura Clark; Meaghan Connell
Subject: 2023 Chelan River Flow Monitoring - July Reports
Attachments: 2023 Daily Average Flow Data July Report.pdf; 2023 Hourly Flow Data July Report.pdf

To: Chelan River Fishery Forum
Washington Department of Ecology
Washington Department of Fish and Wildlife
United States Forest Service
National Park Service
United States Fish and Wildlife Service
National Marine Fisheries Service
CCT (Colville)
YN (Yakama)
CTUIR (Umatilla tribe)
United States Geological Survey
Washington State Parks and Recreation Commission
Washington State Recreation and Conservation Office
City of Chelan
Manson Parks and Recreation Department
Lake Chelan Recreation Association
American Whitewater

From: Scott Hopkins, Fisheries Biologist III
Public Utility District No. 1 of Chelan County (Chelan PUD)
scott.hopkins@chelanpud.org
(509)661-4763

Re: Lake Chelan Hydroelectric Project No. 637 (Project)
License Article 405a - Hourly and Daily Average Flow Data July Reports - 2023

Dear Chelan River Fishery Forum and Other Parties:

This email is to provide you, in the attached files, with the written flow information for July 2023. These reports contain data for surface elevations at the Chelan Dam Forebay and Powerhouse Tailrace, and flows from the Powerhouse, Low Level Outlet, Spillway, Pump Station, and Total Reach 4 flows.

This information will be posted to the Chelan County PUD external website under "River Flows, Water Temperatures and Total Dissolved Gas" (link below).
<https://www.chelanpud.org/parks-and-recreation/river-flows-and-water-temperatures>

Data during times of maintenance or calibration events have been denoted with “NA” to designate these periods when data was either unavailable or inaccurate. Noteworthy events are explained below.

- All data available and reported.
- Flows in reaches 1, 2, and 3 was reduced from 205 cfs to 85 cfs for approximately four hours to support emergency services during a rescue event in the Chelan Gorge on July 1, 2023. Please refer to previous emails regarding this event for further information.

Please feel free to call or email any questions or concerns.



Scott Hopkins
Fisheries Biologist III
Chelan County P.U.D.
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Date	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/1/2023	1099.5	2282	709.1	197	0	10	207
7/2/2023	1099.5	1013	708.5	205	0	0	205
7/3/2023	1099.4	1867	708.7	205	0	0	205
7/4/2023	1099.4	1871	708.9	205	0	0	205
7/5/2023	1099.4	1968	708.5	205	0	0	205
7/6/2023	1099.4	1977	708.4	205	0	0	205
7/7/2023	1099.3	1897	708.7	205	0	0	205
7/8/2023	1099.3	1511	708.9	205	0	0	205
7/9/2023	1099.3	10	707.5	205	0	0	205
7/10/2023	1099.4	1531	708.7	205	0	0	205
7/11/2023	1099.4	1529	709.2	205	0	0	205
7/12/2023	1099.4	1111	708.9	205	0	0	205
7/13/2023	1099.4	1539	709.0	208	0	0	208
7/14/2023	1099.4	1508	709.3	205	0	0	205
7/15/2023	1099.3	1507	709.1	205	0	0	205
7/16/2023	1099.4	12	709.0	169	0	0	169
7/17/2023	1099.4	705	708.5	86	0	0	86
7/18/2023	1099.4	704	708.0	85	0	0	85
7/19/2023	1099.4	1528	708.4	85	0	28	113
7/20/2023	1099.3	1538	708.7	85	0	97	182
7/21/2023	1099.3	1515	708.9	85	0	97	182
7/22/2023	1099.3	1517	709.2	85	0	97	182
7/23/2023	1099.3	10	709.0	85	0	97	183
7/24/2023	1099.3	11	708.5	85	0	96	181
7/25/2023	1099.4	748	708.6	85	0	96	181
7/26/2023	1099.4	741	708.5	85	0	97	182
7/27/2023	1099.4	740	708.7	85	0	98	183
7/28/2023	1099.4	743	708.3	85	0	98	183
7/29/2023	1099.4	741	708.5	85	0	97	183
7/30/2023	1099.4	10	708.4	85	0	97	182
7/31/2023	1099.4	10	708.6	85	0	98	183

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/1/2023	1	1099.5	2280	709.2	205	0	0	205
7/1/2023	2	1099.5	2280	709.3	205	0	0	205
7/1/2023	3	1099.5	2280	709.4	205	0	0	205
7/1/2023	4	1099.5	2280	709.4	205	0	0	205
7/1/2023	5	1099.5	2290	709.3	205	0	0	205
7/1/2023	6	1099.5	2290	709.2	205	0	0	205
7/1/2023	7	1099.5	2270	709.1	205	0	0	205
7/1/2023	8	1099.5	2270	709.0	205	0	0	205
7/1/2023	9	1099.5	2280	708.9	205	0	0	205
7/1/2023	10	1099.5	2280	709.0	205	0	0	205
7/1/2023	11	1099.5	2290	709.1	205	0	0	205
7/1/2023	12	1099.5	2290	709.2	206	0	0	206
7/1/2023	13	1099.5	2280	709.6	205	0	0	205
7/1/2023	14	1099.5	2300	709.8	205	0	0	205
7/1/2023	15	1099.5	2280	709.8	205	0	0	205
7/1/2023	16	1099.5	2280	709.3	205	0	0	205
7/1/2023	17	1099.5	2290	709.2	151	0	0	151
7/1/2023	18	1099.5	2290	709.1	88	0	51	139
7/1/2023	19	1099.5	2290	709.1	173	0	103	277
7/1/2023	20	1099.5	2270	708.9	205	0	88	293
7/1/2023	21	1099.5	2270	708.8	205	0	5	210
7/1/2023	22	1099.5	2280	708.7	205	0	0	205
7/1/2023	23	1099.5	2280	708.6	205	0	0	205
7/1/2023	24	1099.5	2280	708.6	206	0	0	206
7/2/2023	1	1099.5	1050	707.6	205	0	0	205
7/2/2023	2	1099.5	1000	707.6	205	0	0	205
7/2/2023	3	1099.5	1010	707.7	205	0	0	205
7/2/2023	4	1099.5	1010	707.7	205	0	0	205
7/2/2023	5	1099.5	1010	707.7	205	0	0	205
7/2/2023	6	1099.5	1010	707.9	206	0	0	206
7/2/2023	7	1099.5	1010	707.9	205	0	0	205
7/2/2023	8	1099.5	1000	708.0	205	0	0	205
7/2/2023	9	1099.5	1020	707.9	205	0	0	205
7/2/2023	10	1099.5	1010	708.2	205	0	0	205
7/2/2023	11	1099.5	1020	708.4	205	0	0	205
7/2/2023	12	1099.5	1010	708.9	205	0	0	205
7/2/2023	13	1099.5	1020	709.5	205	0	0	205
7/2/2023	14	1099.5	1020	709.9	205	0	0	205
7/2/2023	15	1099.5	1000	709.8	205	0	0	205
7/2/2023	16	1099.5	1010	709.8	205	0	0	205
7/2/2023	17	1099.5	1020	709.5	205	0	0	205
7/2/2023	18	1099.5	1020	708.9	205	0	0	205
7/2/2023	19	1099.5	1020	708.8	205	0	0	205
7/2/2023	20	1099.5	1010	708.7	205	0	0	205
7/2/2023	21	1099.5	1010	708.5	205	0	0	205
7/2/2023	22	1099.5	1010	708.4	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/2/2023	23	1099.5	1010	708.4	205	0	0	205
7/2/2023	24	1099.5	1010	708.3	205	0	0	205
7/3/2023	1	1099.5	1010	708.8	205	0	0	205
7/3/2023	2	1099.5	1010	708.5	205	0	0	205
7/3/2023	3	1099.5	1010	708.1	205	0	0	205
7/3/2023	4	1099.5	1010	707.8	205	0	0	205
7/3/2023	5	1099.5	1010	707.7	205	0	0	205
7/3/2023	6	1099.5	1080	707.7	206	0	0	206
7/3/2023	7	1099.5	2280	708.6	205	0	0	205
7/3/2023	8	1099.5	2280	708.6	206	0	0	206
7/3/2023	9	1099.5	2290	708.6	205	0	0	205
7/3/2023	10	1099.5	2280	708.6	205	0	0	205
7/3/2023	11	1099.5	2280	708.6	205	0	0	205
7/3/2023	12	1099.5	2280	708.6	206	0	0	206
7/3/2023	13	1099.5	2280	708.7	205	0	0	205
7/3/2023	14	1099.4	2300	708.7	205	0	0	205
7/3/2023	15	1099.4	2290	708.8	205	0	0	205
7/3/2023	16	1099.4	2280	709.0	206	0	0	206
7/3/2023	17	1099.4	2260	709.2	205	0	0	205
7/3/2023	18	1099.4	2280	709.4	205	0	0	205
7/3/2023	19	1099.4	2290	709.2	205	0	0	205
7/3/2023	20	1099.4	2280	709.6	205	0	0	205
7/3/2023	21	1099.4	2280	709.5	206	0	0	206
7/3/2023	22	1099.4	2290	709.4	205	0	0	205
7/3/2023	23	1099.4	1110	708.7	206	0	0	206
7/3/2023	24	1099.4	1050	708.4	205	0	0	205
7/4/2023	1	1099.4	1050	708.1	205	0	0	205
7/4/2023	2	1099.4	1040	708.1	205	0	0	205
7/4/2023	3	1099.4	1040	708.5	205	0	0	205
7/4/2023	4	1099.4	1040	708.4	205	0	0	205
7/4/2023	5	1099.4	1050	708.6	205	0	0	205
7/4/2023	6	1099.4	1080	709.0	205	0	0	205
7/4/2023	7	1099.4	2290	709.9	205	0	0	205
7/4/2023	8	1099.4	2290	709.5	206	0	0	206
7/4/2023	9	1099.4	2270	708.9	206	0	0	206
7/4/2023	10	1099.4	2280	708.9	205	0	0	205
7/4/2023	11	1099.4	2290	709.0	205	0	0	205
7/4/2023	12	1099.4	2290	709.0	205	0	0	205
7/4/2023	13	1099.4	2290	709.1	205	0	0	205
7/4/2023	14	1099.4	2300	709.3	205	0	0	205
7/4/2023	15	1099.4	2290	709.5	205	0	0	205
7/4/2023	16	1099.4	2290	709.2	205	0	0	205
7/4/2023	17	1099.4	2290	709.0	206	0	0	206
7/4/2023	18	1099.4	2280	709.0	205	0	0	205
7/4/2023	19	1099.4	2290	709.0	205	0	0	205
7/4/2023	20	1099.4	2280	709.0	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/4/2023	21	1099.4	2270	709.1	205	0	0	205
7/4/2023	22	1099.4	2230	708.9	205	0	0	205
7/4/2023	23	1099.4	1050	708.1	205	0	0	205
7/4/2023	24	1099.4	1040	707.8	205	0	0	205
7/5/2023	1	1099.4	1040	707.4	205	0	0	205
7/5/2023	2	1099.4	1040	707.3	206	0	0	206
7/5/2023	3	1099.4	1040	707.3	205	0	0	205
7/5/2023	4	1099.4	1040	707.3	205	0	0	205
7/5/2023	5	1099.4	2130	708.3	205	0	0	205
7/5/2023	6	1099.4	2290	708.6	205	0	0	205
7/5/2023	7	1099.4	2280	708.6	205	0	0	205
7/5/2023	8	1099.4	2290	708.6	205	0	0	205
7/5/2023	9	1099.4	2280	708.6	205	0	0	205
7/5/2023	10	1099.4	2300	708.6	206	0	0	206
7/5/2023	11	1099.4	2290	708.6	206	0	0	206
7/5/2023	12	1099.4	2290	708.6	205	0	0	205
7/5/2023	13	1099.4	2290	708.8	205	0	0	205
7/5/2023	14	1099.4	2300	708.9	205	0	0	205
7/5/2023	15	1099.4	2290	709.3	205	0	0	205
7/5/2023	16	1099.4	2290	709.4	205	0	0	205
7/5/2023	17	1099.4	2280	709.3	205	0	0	205
7/5/2023	18	1099.4	2300	709.1	206	0	0	206
7/5/2023	19	1099.4	2280	709.4	205	0	0	205
7/5/2023	20	1099.4	2270	709.3	205	0	0	205
7/5/2023	21	1099.4	2250	709.2	205	0	0	205
7/5/2023	22	1099.4	2220	709.0	206	0	0	206
7/5/2023	23	1099.4	1070	707.9	205	0	0	205
7/5/2023	24	1099.4	1070	707.5	205	0	0	205
7/6/2023	1	1099.4	1070	707.3	205	0	0	205
7/6/2023	2	1099.4	1070	707.5	205	0	0	205
7/6/2023	3	1099.4	1070	707.5	205	0	0	205
7/6/2023	4	1099.4	1080	707.7	205	0	0	205
7/6/2023	5	1099.4	1080	707.7	206	0	0	206
7/6/2023	6	1099.4	1090	708.1	206	0	0	206
7/6/2023	7	1099.4	2240	708.8	205	0	0	205
7/6/2023	8	1099.4	2280	708.7	205	0	0	205
7/6/2023	9	1099.4	2280	708.6	205	0	0	205
7/6/2023	10	1099.4	2280	708.6	205	0	0	205
7/6/2023	11	1099.4	2290	708.7	205	0	0	205
7/6/2023	12	1099.4	2290	708.8	205	0	0	205
7/6/2023	13	1099.4	2280	708.8	205	0	0	205
7/6/2023	14	1099.4	2290	708.9	205	0	0	205
7/6/2023	15	1099.4	2290	708.7	205	0	0	205
7/6/2023	16	1099.4	2280	708.7	205	0	0	205
7/6/2023	17	1099.4	2280	708.7	205	0	0	205
7/6/2023	18	1099.4	2280	708.7	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/6/2023	19	1099.4	2280	708.6	205	0	0	205
7/6/2023	20	1099.4	2280	708.6	205	0	0	205
7/6/2023	21	1099.4	2270	708.9	205	0	0	205
7/6/2023	22	1099.4	2260	708.8	205	0	0	205
7/6/2023	23	1099.4	2280	708.6	205	0	0	205
7/6/2023	24	1099.4	2260	708.6	206	0	0	206
7/7/2023	1	1099.3	2280	708.6	205	0	0	205
7/7/2023	2	1099.3	2270	708.6	205	0	0	205
7/7/2023	3	1099.3	1230	708.0	206	0	0	206
7/7/2023	4	1099.3	1070	708.0	205	0	0	205
7/7/2023	5	1099.3	1070	708.2	205	0	0	205
7/7/2023	6	1099.3	1070	708.5	205	0	0	205
7/7/2023	7	1099.3	2200	709.0	205	0	0	205
7/7/2023	8	1099.3	2280	709.0	206	0	0	206
7/7/2023	9	1099.3	2280	709.0	205	0	0	205
7/7/2023	10	1099.3	2290	708.9	205	0	0	205
7/7/2023	11	1099.3	2270	708.9	205	0	0	205
7/7/2023	12	1099.3	2280	708.9	206	0	0	206
7/7/2023	13	1099.3	2290	708.8	206	0	0	206
7/7/2023	14	1099.3	2280	708.9	205	0	0	205
7/7/2023	15	1099.3	2280	709.0	205	0	0	205
7/7/2023	16	1099.3	2280	709.0	205	0	0	205
7/7/2023	17	1099.3	2290	708.9	205	0	0	205
7/7/2023	18	1099.3	2290	708.9	205	0	0	205
7/7/2023	19	1099.3	2290	708.7	205	0	0	205
7/7/2023	20	1099.3	2280	708.8	205	0	0	205
7/7/2023	21	1099.3	2280	709.1	205	0	0	205
7/7/2023	22	1099.3	2220	708.9	205	0	0	205
7/7/2023	23	1099.3	140	708.2	205	0	0	205
7/7/2023	24	1099.3	10	708.8	206	0	0	206
7/8/2023	1	1099.3	10	709.2	205	0	0	205
7/8/2023	2	1099.3	10	709.0	205	0	0	205
7/8/2023	3	1099.3	10	708.3	206	0	0	206
7/8/2023	4	1099.3	10	708.3	205	0	0	205
7/8/2023	5	1099.3	10	708.3	205	0	0	205
7/8/2023	6	1099.3	10	708.3	205	0	0	205
7/8/2023	7	1099.3	2020	708.9	205	0	0	205
7/8/2023	8	1099.3	2280	709.2	205	0	0	205
7/8/2023	9	1099.3	2270	709.1	205	0	0	205
7/8/2023	10	1099.3	2280	709.0	205	0	0	205
7/8/2023	11	1099.3	2290	709.0	205	0	0	205
7/8/2023	12	1099.3	2280	708.9	205	0	0	205
7/8/2023	13	1099.3	2290	709.0	205	0	0	205
7/8/2023	14	1099.3	2270	708.9	205	0	0	205
7/8/2023	15	1099.3	2280	708.7	205	0	0	205
7/8/2023	16	1099.3	2280	708.7	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/8/2023	17	1099.3	2290	708.9	205	0	0	205
7/8/2023	18	1099.3	2290	708.9	205	0	0	205
7/8/2023	19	1099.3	2290	709.1	205	0	0	205
7/8/2023	20	1099.3	2270	709.1	205	0	0	205
7/8/2023	21	1099.3	2260	709.2	206	0	0	206
7/8/2023	22	1099.3	2180	709.2	205	0	0	205
7/8/2023	23	1099.3	80	708.9	205	0	0	205
7/8/2023	24	1099.3	10	708.7	205	0	0	205
7/9/2023	1	1099.3	10	708.4	205	0	0	205
7/9/2023	2	1099.3	10	708.2	205	0	0	205
7/9/2023	3	1099.3	10	707.8	206	0	0	206
7/9/2023	4	1099.3	10	707.8	205	0	0	205
7/9/2023	5	1099.3	10	707.7	205	0	0	205
7/9/2023	6	1099.3	10	707.4	205	0	0	205
7/9/2023	7	1099.3	10	707.3	205	0	0	205
7/9/2023	8	1099.3	10	707.3	205	0	0	205
7/9/2023	9	1099.3	10	707.3	205	0	0	205
7/9/2023	10	1099.3	10	707.2	205	0	0	205
7/9/2023	11	1099.3	10	707.4	205	0	0	205
7/9/2023	12	1099.3	10	707.6	205	0	0	205
7/9/2023	13	1099.3	10	707.6	205	0	0	205
7/9/2023	14	1099.3	10	707.8	205	0	0	205
7/9/2023	15	1099.3	10	708.2	206	0	0	206
7/9/2023	16	1099.3	10	707.9	206	0	0	206
7/9/2023	17	1099.4	10	707.1	206	0	0	206
7/9/2023	18	1099.4	10	707.5	206	0	0	206
7/9/2023	19	1099.3	10	707.3	205	0	0	205
7/9/2023	20	1099.3	10	707.2	205	0	0	205
7/9/2023	21	1099.3	10	707.6	205	0	0	205
7/9/2023	22	1099.4	10	707.4	205	0	0	205
7/9/2023	23	1099.4	10	707.3	206	0	0	206
7/9/2023	24	1099.4	10	707.0	205	0	0	205
7/10/2023	1	1099.4	10	706.8	205	0	0	205
7/10/2023	2	1099.4	10	707.0	205	0	0	205
7/10/2023	3	1099.4	10	706.5	205	0	0	205
7/10/2023	4	1099.4	10	707.0	205	0	0	205
7/10/2023	5	1099.4	10	707.4	205	0	0	205
7/10/2023	6	1099.4	150	707.9	205	0	0	205
7/10/2023	7	1099.4	2280	708.9	205	0	0	205
7/10/2023	8	1099.4	2290	709.4	205	0	0	205
7/10/2023	9	1099.4	2280	709.3	205	0	0	205
7/10/2023	10	1099.4	2290	709.5	206	0	0	206
7/10/2023	11	1099.4	2300	709.5	206	0	0	206
7/10/2023	12	1099.4	2270	709.5	205	0	0	205
7/10/2023	13	1099.4	2290	709.5	205	0	0	205
7/10/2023	14	1099.4	2280	709.6	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/10/2023	15	1099.4	2280	709.5	205	0	0	205
7/10/2023	16	1099.4	2280	709.6	205	0	0	205
7/10/2023	17	1099.5	2290	709.5	205	0	0	205
7/10/2023	18	1099.4	2280	709.2	205	0	0	205
7/10/2023	19	1099.4	2290	708.9	205	0	0	205
7/10/2023	20	1099.4	2270	709.1	205	0	0	205
7/10/2023	21	1099.4	2260	709.2	205	0	0	205
7/10/2023	22	1099.4	2200	709.1	206	0	0	206
7/10/2023	23	1099.4	100	708.2	206	0	0	206
7/10/2023	24	1099.4	10	708.1	205	0	0	205
7/11/2023	1	1099.4	10	707.9	205	0	0	205
7/11/2023	2	1099.5	10	708.4	206	0	0	206
7/11/2023	3	1099.4	10	708.0	205	0	0	205
7/11/2023	4	1099.4	10	707.4	205	0	0	205
7/11/2023	5	1099.5	10	707.4	205	0	0	205
7/11/2023	6	1099.5	210	707.6	206	0	0	206
7/11/2023	7	1099.5	2290	708.7	205	0	0	205
7/11/2023	8	1099.4	2280	708.6	205	0	0	205
7/11/2023	9	1099.4	2280	708.9	205	0	0	205
7/11/2023	10	1099.4	2280	709.0	205	0	0	205
7/11/2023	11	1099.4	2280	709.0	205	0	0	205
7/11/2023	12	1099.4	2290	709.1	206	0	0	206
7/11/2023	13	1099.4	2290	709.3	206	0	0	206
7/11/2023	14	1099.4	2290	709.4	205	0	0	205
7/11/2023	15	1099.4	2270	709.5	205	0	0	205
7/11/2023	16	1099.4	2300	709.6	205	0	0	205
7/11/2023	17	1099.4	2300	709.6	205	0	0	205
7/11/2023	18	1099.4	2300	710.1	205	0	0	205
7/11/2023	19	1099.4	2300	710.4	206	0	0	206
7/11/2023	20	1099.4	2300	711.1	205	0	0	205
7/11/2023	21	1099.4	2280	711.1	205	0	0	205
7/11/2023	22	1099.4	2060	711.0	205	0	0	205
7/11/2023	23	1099.4	40	710.5	205	0	0	205
7/11/2023	24	1099.4	10	710.3	205	0	0	205
7/12/2023	1	1099.4	10	710.2	205	0	0	205
7/12/2023	2	1099.4	10	710.1	206	0	0	206
7/12/2023	3	1099.4	10	709.9	206	0	0	206
7/12/2023	4	1099.4	10	709.5	205	0	0	205
7/12/2023	5	1099.4	10	708.7	205	0	0	205
7/12/2023	6	1099.4	10	708.2	206	0	0	206
7/12/2023	7	1099.4	1090	708.3	206	0	0	206
7/12/2023	8	1099.4	1110	707.9	205	0	0	205
7/12/2023	9	1099.4	1110	707.7	205	0	0	205
7/12/2023	10	1099.4	1110	707.8	205	0	0	205
7/12/2023	11	1099.4	1220	707.9	205	0	0	205
7/12/2023	12	1099.4	2140	708.5	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/12/2023	13	1099.4	2180	708.6	206	0	0	206
7/12/2023	14	1099.4	2190	709.2	205	0	0	205
7/12/2023	15	1099.4	2170	709.4	205	0	0	205
7/12/2023	16	1099.4	2180	709.5	205	0	0	205
7/12/2023	17	1099.4	2170	709.4	205	0	0	205
7/12/2023	18	1099.4	2170	709.2	205	0	0	205
7/12/2023	19	1099.4	2190	709.2	206	0	0	206
7/12/2023	20	1099.4	1560	709.1	206	0	0	206
7/12/2023	21	1099.4	980	709.0	205	0	0	205
7/12/2023	22	1099.4	980	709.1	205	0	0	205
7/12/2023	23	1099.4	50	709.1	205	0	0	205
7/12/2023	24	1099.4	0	709.2	205	0	0	205
7/13/2023	1	1099.4	10	709.2	205	0	0	205
7/13/2023	2	1099.4	10	709.6	205	0	0	205
7/13/2023	3	1099.4	10	709.9	206	0	0	206
7/13/2023	4	1099.4	10	710.0	205	0	0	205
7/13/2023	5	1099.4	10	709.3	205	0	0	205
7/13/2023	6	1099.4	100	708.5	205	0	0	205
7/13/2023	7	1099.4	2280	708.8	205	0	0	205
7/13/2023	8	1099.4	2280	708.6	210	0	0	210
7/13/2023	9	1099.4	2270	708.6	213	0	0	213
7/13/2023	10	1099.4	2270	708.6	213	0	0	213
7/13/2023	11	1099.4	2280	708.6	213	0	0	213
7/13/2023	12	1099.4	2280	708.8	212	0	0	212
7/13/2023	13	1099.4	2290	709.0	212	0	0	212
7/13/2023	14	1099.4	2290	709.2	212	0	0	212
7/13/2023	15	1099.4	2290	709.6	212	0	0	212
7/13/2023	16	1099.4	2290	709.7	212	0	0	212
7/13/2023	17	1099.4	2300	709.4	207	0	0	207
7/13/2023	18	1099.4	2280	709.1	205	0	0	205
7/13/2023	19	1099.4	2290	709.1	206	0	0	206
7/13/2023	20	1099.4	2280	708.9	205	0	0	205
7/13/2023	21	1099.4	2280	708.9	205	0	0	205
7/13/2023	22	1099.4	2280	708.9	205	0	0	205
7/13/2023	23	1099.4	240	708.0	206	0	0	206
7/13/2023	24	1099.4	10	708.1	205	0	0	205
7/14/2023	1	1099.4	10	708.5	205	0	0	205
7/14/2023	2	1099.4	10	708.9	205	0	0	205
7/14/2023	3	1099.4	10	708.9	205	0	0	205
7/14/2023	4	1099.4	10	708.4	205	0	0	205
7/14/2023	5	1099.4	10	708.4	206	0	0	206
7/14/2023	6	1099.4	110	708.4	205	0	0	205
7/14/2023	7	1099.4	2190	709.0	205	0	0	205
7/14/2023	8	1099.4	2290	709.0	205	0	0	205
7/14/2023	9	1099.4	2290	709.1	205	0	0	205
7/14/2023	10	1099.4	2290	709.2	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/14/2023	11	1099.4	2290	709.1	206	0	0	206
7/14/2023	12	1099.4	2290	709.6	205	0	0	205
7/14/2023	13	1099.4	2290	709.8	205	0	0	205
7/14/2023	14	1099.4	2290	710.0	205	0	0	205
7/14/2023	15	1099.4	2300	710.0	205	0	0	205
7/14/2023	16	1099.4	2290	710.0	205	0	0	205
7/14/2023	17	1099.4	2280	710.0	205	0	0	205
7/14/2023	18	1099.3	2300	710.0	206	0	0	206
7/14/2023	19	1099.4	2300	709.8	205	0	0	205
7/14/2023	20	1099.4	2290	709.7	205	0	0	205
7/14/2023	21	1099.4	2170	709.7	205	0	0	205
7/14/2023	22	1099.4	1540	709.4	205	0	0	205
7/14/2023	23	1099.4	330	709.0	206	0	0	206
7/14/2023	24	1099.4	10	708.5	206	0	0	206
7/15/2023	1	1099.4	10	708.0	205	0	0	205
7/15/2023	2	1099.4	10	707.6	205	0	0	205
7/15/2023	3	1099.4	10	707.5	205	0	0	205
7/15/2023	4	1099.4	10	707.4	205	0	0	205
7/15/2023	5	1099.4	10	707.6	205	0	0	205
7/15/2023	6	1099.4	90	707.9	205	0	0	205
7/15/2023	7	1099.4	2260	708.7	205	0	0	205
7/15/2023	8	1099.4	2280	708.7	205	0	0	205
7/15/2023	9	1099.4	2280	708.8	205	0	0	205
7/15/2023	10	1099.4	2280	708.9	205	0	0	205
7/15/2023	11	1099.4	2280	708.9	205	0	0	205
7/15/2023	12	1099.4	2290	708.9	205	0	0	205
7/15/2023	13	1099.3	2290	709.4	205	0	0	205
7/15/2023	14	1099.3	2280	709.6	205	0	0	205
7/15/2023	15	1099.3	1890	709.9	205	0	0	205
7/15/2023	16	1099.3	2280	710.4	205	0	0	205
7/15/2023	17	1099.3	2300	710.5	205	0	0	205
7/15/2023	18	1099.3	2300	710.4	206	0	0	206
7/15/2023	19	1099.3	2290	710.4	205	0	0	205
7/15/2023	20	1099.3	2270	710.2	206	0	0	206
7/15/2023	21	1099.3	2270	710.1	205	0	0	205
7/15/2023	22	1099.3	2150	709.9	206	0	0	206
7/15/2023	23	1099.3	20	709.5	205	0	0	205
7/15/2023	24	1099.3	10	709.8	206	0	0	206
7/16/2023	1	1099.3	20	709.5	205	0	0	205
7/16/2023	2	1099.3	10	709.6	205	0	0	205
7/16/2023	3	1099.3	10	709.4	205	0	0	205
7/16/2023	4	1099.3	10	708.9	205	0	0	205
7/16/2023	5	1099.4	10	708.4	205	0	0	205
7/16/2023	6	1099.4	10	708.1	206	0	0	206
7/16/2023	7	1099.3	20	708.2	206	0	0	206
7/16/2023	8	1099.4	10	708.2	205	0	0	205

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/16/2023	9	1099.4	10	708.0	205	0	0	205
7/16/2023	10	1099.3	10	708.5	205	0	0	205
7/16/2023	11	1099.3	10	708.7	198	0	0	198
7/16/2023	12	1099.3	10	708.7	181	0	0	181
7/16/2023	13	1099.4	10	708.6	165	0	0	165
7/16/2023	14	1099.4	10	709.0	153	0	0	153
7/16/2023	15	1099.4	10	709.1	149	0	0	149
7/16/2023	16	1099.4	10	709.3	151	0	0	151
7/16/2023	17	1099.4	10	709.4	151	0	0	151
7/16/2023	18	1099.4	10	709.4	149	0	0	149
7/16/2023	19	1099.4	10	709.2	148	0	0	148
7/16/2023	20	1099.4	20	709.3	115	0	0	115
7/16/2023	21	1099.4	10	709.5	111	0	0	111
7/16/2023	22	1099.4	10	709.7	111	0	0	111
7/16/2023	23	1099.4	10	709.4	112	0	0	112
7/16/2023	24	1099.4	20	709.4	112	0	0	112
7/17/2023	1	1099.4	20	709.1	97	0	0	97
7/17/2023	2	1099.4	10	708.9	87	0	0	87
7/17/2023	3	1099.4	10	708.5	85	0	0	85
7/17/2023	4	1099.4	20	708.2	85	0	0	85
7/17/2023	5	1099.4	10	708.1	85	0	0	85
7/17/2023	6	1099.4	70	708.2	85	0	0	85
7/17/2023	7	1099.4	1060	708.6	85	0	0	85
7/17/2023	8	1099.4	1050	708.7	85	0	0	85
7/17/2023	9	1099.4	1050	708.5	85	0	0	85
7/17/2023	10	1099.4	1050	709.0	85	0	0	85
7/17/2023	11	1099.5	1040	708.5	85	0	0	85
7/17/2023	12	1099.5	1050	708.6	85	0	0	85
7/17/2023	13	1099.5	1050	708.6	85	0	0	85
7/17/2023	14	1099.5	1050	708.6	85	0	0	85
7/17/2023	15	1099.5	1050	708.8	85	0	0	85
7/17/2023	16	1099.5	1040	708.8	85	0	0	85
7/17/2023	17	1099.5	1050	708.9	85	0	0	85
7/17/2023	18	1099.5	1040	708.7	85	0	0	85
7/17/2023	19	1099.5	1050	708.2	85	0	0	85
7/17/2023	20	1099.5	1050	708.1	86	0	0	86
7/17/2023	21	1099.5	1040	707.9	86	0	0	86
7/17/2023	22	1099.5	1040	707.9	85	0	0	85
7/17/2023	23	1099.5	20	707.5	85	0	0	85
7/17/2023	24	1099.5	10	708.0	85	0	0	85
7/18/2023	1	1099.5	10	708.4	85	0	0	85
7/18/2023	2	1099.5	10	708.6	85	0	0	85
7/18/2023	3	1099.4	10	708.6	85	0	0	85
7/18/2023	4	1099.4	10	708.1	85	0	0	85
7/18/2023	5	1099.5	10	708.3	85	0	0	85
7/18/2023	6	1099.5	60	707.9	85	0	0	85

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/18/2023	7	1099.4	1040	708.2	85	0	0	85
7/18/2023	8	1099.4	1050	708.2	85	0	0	85
7/18/2023	9	1099.5	1050	707.8	85	0	0	85
7/18/2023	10	1099.5	1060	707.6	85	0	0	85
7/18/2023	11	1099.4	1050	707.7	85	0	0	85
7/18/2023	12	1099.4	1050	707.6	85	0	0	85
7/18/2023	13	1099.4	1050	707.6	85	0	0	85
7/18/2023	14	1099.4	1050	707.6	85	0	0	85
7/18/2023	15	1099.4	1050	707.8	85	0	0	85
7/18/2023	16	1099.4	1040	707.9	85	0	0	85
7/18/2023	17	1099.4	1050	707.8	86	0	0	86
7/18/2023	18	1099.4	1050	707.7	86	0	0	86
7/18/2023	19	1099.4	1050	707.8	85	0	0	85
7/18/2023	20	1099.4	1050	707.9	85	0	0	85
7/18/2023	21	1099.4	1040	708.1	86	0	0	86
7/18/2023	22	1099.4	1030	708.5	86	0	0	86
7/18/2023	23	1099.4	10	708.5	85	0	0	85
7/18/2023	24	1099.4	20	708.2	85	0	0	85
7/19/2023	1	1099.4	10	708.6	85	0	0	85
7/19/2023	2	1099.4	10	708.5	85	0	0	85
7/19/2023	3	1099.4	10	708.4	85	0	0	85
7/19/2023	4	1099.4	10	707.7	85	0	0	85
7/19/2023	5	1099.4	10	707.9	85	0	0	85
7/19/2023	6	1099.4	50	707.9	85	0	0	85
7/19/2023	7	1099.4	2280	708.8	85	0	0	85
7/19/2023	8	1099.4	2270	708.6	85	0	0	85
7/19/2023	9	1099.4	2280	708.5	85	0	0	85
7/19/2023	10	1099.4	2290	708.6	86	0	0	86
7/19/2023	11	1099.4	2280	708.7	85	0	0	85
7/19/2023	12	1099.4	2290	708.7	85	0	0	85
7/19/2023	13	1099.4	2290	708.8	86	0	0	86
7/19/2023	14	1099.4	2290	709.1	86	0	0	86
7/19/2023	15	1099.4	2290	709.1	85	0	0	85
7/19/2023	16	1099.4	2290	709.0	85	0	0	85
7/19/2023	17	1099.4	2290	708.9	85	0	7	93
7/19/2023	18	1099.4	2280	708.5	85	0	96	181
7/19/2023	19	1099.3	2280	708.6	85	0	96	181
7/19/2023	20	1099.3	2260	708.5	85	0	96	181
7/19/2023	21	1099.3	2250	708.5	85	0	96	181
7/19/2023	22	1099.4	2230	708.5	85	0	97	182
7/19/2023	23	1099.4	120	707.0	85	0	95	180
7/19/2023	24	1099.4	10	707.2	85	0	95	180
7/20/2023	1	1099.4	10	707.4	85	0	96	181
7/20/2023	2	1099.4	10	707.5	85	0	96	181
7/20/2023	3	1099.4	10	707.6	85	0	96	181
7/20/2023	4	1099.4	10	707.6	85	0	96	181

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/20/2023	5	1099.4	10	707.7	85	0	96	181
7/20/2023	6	1099.4	200	707.9	85	0	97	182
7/20/2023	7	1099.4	2290	708.8	85	0	98	183
7/20/2023	8	1099.4	2280	708.8	85	0	98	183
7/20/2023	9	1099.4	2280	708.8	85	0	98	183
7/20/2023	10	1099.4	2290	708.9	85	0	98	183
7/20/2023	11	1099.4	2280	709.1	85	0	98	184
7/20/2023	12	1099.4	2290	709.3	85	0	97	183
7/20/2023	13	1099.4	2300	709.7	85	0	99	184
7/20/2023	14	1099.3	2290	709.8	85	0	98	183
7/20/2023	15	1099.3	2290	709.7	85	0	98	183
7/20/2023	16	1099.3	2290	709.5	85	0	97	183
7/20/2023	17	1099.3	2280	709.4	85	0	98	183
7/20/2023	18	1099.3	2280	709.3	85	0	96	182
7/20/2023	19	1099.3	2300	709.2	85	0	98	183
7/20/2023	20	1099.3	2290	709.2	85	0	97	182
7/20/2023	21	1099.3	2270	709.0	85	0	97	183
7/20/2023	22	1099.3	2240	708.9	86	0	97	183
7/20/2023	23	1099.3	120	708.1	85	0	96	181
7/20/2023	24	1099.3	10	708.8	85	0	97	182
7/21/2023	1	1099.3	10	708.8	85	0	97	183
7/21/2023	2	1099.3	10	709.1	85	0	98	183
7/21/2023	3	1099.4	10	709.1	85	0	99	184
7/21/2023	4	1099.3	10	709.2	85	0	97	183
7/21/2023	5	1099.4	10	709.1	85	0	97	182
7/21/2023	6	1099.4	110	709.0	85	0	97	183
7/21/2023	7	1099.3	2230	709.0	85	0	98	183
7/21/2023	8	1099.3	2290	708.8	85	0	97	182
7/21/2023	9	1099.3	2290	708.8	85	0	97	182
7/21/2023	10	1099.3	2300	708.7	85	0	97	182
7/21/2023	11	1099.3	2290	708.6	86	0	97	182
7/21/2023	12	1099.3	2280	708.6	85	0	96	181
7/21/2023	13	1099.3	2260	708.5	85	0	97	182
7/21/2023	14	1099.3	2270	708.5	85	0	97	182
7/21/2023	15	1099.3	2280	708.6	85	0	96	182
7/21/2023	16	1099.3	2270	708.7	85	0	96	181
7/21/2023	17	1099.3	2260	708.7	85	0	97	183
7/21/2023	18	1099.3	2290	708.9	85	0	96	181
7/21/2023	19	1099.3	2290	709.3	86	0	96	181
7/21/2023	20	1099.3	2290	709.6	85	0	96	182
7/21/2023	21	1099.3	2270	709.6	85	0	96	181
7/21/2023	22	1099.3	2010	709.4	85	0	97	182
7/21/2023	23	1099.3	10	709.0	85	0	96	182
7/21/2023	24	1099.3	10	709.1	85	0	97	182
7/22/2023	1	1099.3	10	708.9	85	0	97	182
7/22/2023	2	1099.3	10	708.6	85	0	96	182

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/22/2023	3	1099.3	10	708.5	85	0	96	181
7/22/2023	4	1099.3	10	708.3	85	0	97	183
7/22/2023	5	1099.3	10	708.2	85	0	97	183
7/22/2023	6	1099.3	70	707.7	85	0	96	182
7/22/2023	7	1099.3	2180	708.6	85	0	96	181
7/22/2023	8	1099.3	2270	708.8	85	0	96	181
7/22/2023	9	1099.3	2290	708.9	86	0	97	182
7/22/2023	10	1099.3	2290	708.6	85	0	96	182
7/22/2023	11	1099.3	2290	708.7	85	0	97	183
7/22/2023	12	1099.3	2300	709.0	85	0	97	182
7/22/2023	13	1099.3	2280	709.6	85	0	96	181
7/22/2023	14	1099.3	2290	710.1	85	0	97	182
7/22/2023	15	1099.3	2290	710.5	85	0	97	182
7/22/2023	16	1099.3	2300	710.6	85	0	97	183
7/22/2023	17	1099.3	2280	710.4	85	0	98	183
7/22/2023	18	1099.3	2290	710.1	85	0	97	183
7/22/2023	19	1099.3	2300	710.0	85	0	97	183
7/22/2023	20	1099.3	2250	709.9	85	0	97	182
7/22/2023	21	1099.3	2260	709.8	85	0	97	182
7/22/2023	22	1099.3	2100	709.7	86	0	97	183
7/22/2023	23	1099.3	20	709.3	85	0	98	183
7/22/2023	24	1099.3	10	709.2	85	0	97	182
7/23/2023	1	1099.3	10	709.2	86	0	97	183
7/23/2023	2	1099.3	10	708.4	85	0	97	182
7/23/2023	3	1099.3	10	708.5	86	0	97	183
7/23/2023	4	1099.3	10	708.3	85	0	97	183
7/23/2023	5	1099.3	10	708.2	85	0	98	183
7/23/2023	6	1099.3	10	708.1	85	0	98	183
7/23/2023	7	1099.3	10	708.1	85	0	97	182
7/23/2023	8	1099.3	10	708.6	86	0	98	184
7/23/2023	9	1099.3	10	709.1	85	0	98	183
7/23/2023	10	1099.3	10	709.4	85	0	98	183
7/23/2023	11	1099.3	10	709.8	86	0	98	184
7/23/2023	12	1099.3	10	709.6	86	0	98	184
7/23/2023	13	1099.3	10	709.6	86	0	99	184
7/23/2023	14	1099.3	10	709.6	85	0	98	183
7/23/2023	15	1099.3	10	709.7	86	0	98	184
7/23/2023	16	1099.3	10	709.4	85	0	97	183
7/23/2023	17	1099.3	10	709.4	86	0	97	182
7/23/2023	18	1099.3	10	709.4	86	0	97	183
7/23/2023	19	1099.3	10	709.3	85	0	97	183
7/23/2023	20	1099.3	10	709.2	86	0	97	183
7/23/2023	21	1099.3	10	708.9	86	0	97	182
7/23/2023	22	1099.3	10	708.6	86	0	97	182
7/23/2023	23	1099.3	10	708.6	86	0	97	182
7/23/2023	24	1099.3	10	709.0	86	0	97	183

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/24/2023	1	1099.3	10	708.7	86	0	97	183
7/24/2023	2	1099.3	10	708.3	86	0	97	183
7/24/2023	3	1099.3	10	707.9	85	0	95	180
7/24/2023	4	1099.3	10	708.1	85	0	95	180
7/24/2023	5	1099.3	10	708.1	85	0	96	181
7/24/2023	6	1099.3	10	708.3	85	0	96	181
7/24/2023	7	1099.3	10	708.5	85	0	96	181
7/24/2023	8	1099.3	10	708.2	85	0	97	182
7/24/2023	9	1099.3	10	708.1	85	0	96	181
7/24/2023	10	1099.3	10	707.8	85	0	95	180
7/24/2023	11	1099.3	20	707.6	85	0	94	179
7/24/2023	12	1099.4	10	707.3	85	0	93	178
7/24/2023	13	1099.4	10	707.3	85	0	93	178
7/24/2023	14	1099.4	10	707.7	85	0	94	179
7/24/2023	15	1099.4	10	708.1	85	0	94	179
7/24/2023	16	1099.4	10	708.9	85	0	95	180
7/24/2023	17	1099.4	10	709.2	86	0	96	182
7/24/2023	18	1099.4	10	709.4	86	0	97	182
7/24/2023	19	1099.4	10	709.4	86	0	96	182
7/24/2023	20	1099.4	10	709.4	86	0	96	182
7/24/2023	21	1099.4	10	709.3	86	0	97	182
7/24/2023	22	1099.4	20	709.2	86	0	97	182
7/24/2023	23	1099.4	10	709.3	86	0	97	183
7/24/2023	24	1099.4	20	709.4	86	0	96	182
7/25/2023	1	1099.4	10	709.5	85	0	97	182
7/25/2023	2	1099.4	10	708.8	85	0	96	181
7/25/2023	3	1099.4	10	708.5	85	0	96	181
7/25/2023	4	1099.4	10	708.3	85	0	96	180
7/25/2023	5	1099.4	10	708.2	85	0	95	180
7/25/2023	6	1099.4	50	708.2	85	0	96	180
7/25/2023	7	1099.4	1080	708.6	85	0	96	181
7/25/2023	8	1099.4	1110	708.3	85	0	95	180
7/25/2023	9	1099.4	1100	708.2	85	0	96	181
7/25/2023	10	1099.4	1110	708.3	85	0	96	181
7/25/2023	11	1099.4	1110	708.5	85	0	96	181
7/25/2023	12	1099.4	1110	708.9	85	0	97	182
7/25/2023	13	1099.4	1110	708.9	86	0	97	183
7/25/2023	14	1099.4	1120	709.2	85	0	98	183
7/25/2023	15	1099.4	1110	709.5	86	0	98	184
7/25/2023	16	1099.4	1110	709.4	86	0	97	183
7/25/2023	17	1099.4	1110	709.1	86	0	97	183
7/25/2023	18	1099.4	1110	708.5	86	0	96	182
7/25/2023	19	1099.4	1110	708.2	85	0	95	181
7/25/2023	20	1099.4	1120	708.1	85	0	96	181
7/25/2023	21	1099.4	1100	708.1	85	0	96	181
7/25/2023	22	1099.4	1100	708.3	85	0	96	181

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/25/2023	23	1099.4	130	708.3	85	0	96	181
7/25/2023	24	1099.4	10	708.6	85	0	97	182
7/26/2023	1	1099.4	10	709.0	85	0	97	182
7/26/2023	2	1099.4	10	709.0	85	0	98	183
7/26/2023	3	1099.4	10	709.0	85	0	97	182
7/26/2023	4	1099.4	10	708.9	85	0	97	182
7/26/2023	5	1099.4	10	708.6	85	0	98	183
7/26/2023	6	1099.4	70	708.0	85	0	97	182
7/26/2023	7	1099.4	1110	707.9	85	0	96	181
7/26/2023	8	1099.4	1110	707.8	85	0	97	182
7/26/2023	9	1099.4	1110	707.6	85	0	96	182
7/26/2023	10	1099.4	1110	707.6	85	0	97	182
7/26/2023	11	1099.4	1110	707.7	86	0	97	182
7/26/2023	12	1099.4	1120	708.0	86	0	97	183
7/26/2023	13	1099.4	1120	708.1	86	0	98	183
7/26/2023	14	1099.4	1110	708.3	86	0	96	182
7/26/2023	15	1099.4	1120	708.5	86	0	97	183
7/26/2023	16	1099.4	1110	708.6	86	0	97	182
7/26/2023	17	1099.4	1110	708.6	86	0	97	182
7/26/2023	18	1099.4	1110	708.5	85	0	97	182
7/26/2023	19	1099.4	1120	708.6	85	0	98	183
7/26/2023	20	1099.4	1110	709.0	85	0	99	184
7/26/2023	21	1099.4	1110	709.2	85	0	99	184
7/26/2023	22	1099.4	950	709.0	85	0	97	183
7/26/2023	23	1099.4	10	708.8	85	0	97	183
7/26/2023	24	1099.4	10	708.8	85	0	97	182
7/27/2023	1	1099.4	10	708.8	85	0	97	182
7/27/2023	2	1099.4	10	708.5	85	0	97	182
7/27/2023	3	1099.4	10	709.0	86	0	98	183
7/27/2023	4	1099.4	10	708.3	85	0	97	183
7/27/2023	5	1099.4	10	708.3	85	0	98	183
7/27/2023	6	1099.4	60	708.3	85	0	98	183
7/27/2023	7	1099.4	1120	708.4	85	0	98	183
7/27/2023	8	1099.4	1100	708.0	85	0	97	182
7/27/2023	9	1099.4	1110	708.1	85	0	98	183
7/27/2023	10	1099.4	1110	708.3	85	0	97	183
7/27/2023	11	1099.4	1110	708.4	85	0	97	183
7/27/2023	12	1099.4	1120	708.7	86	0	98	183
7/27/2023	13	1099.3	1120	708.7	86	0	98	184
7/27/2023	14	1099.4	1110	709.1	86	0	99	184
7/27/2023	15	1099.4	1110	709.4	86	0	99	185
7/27/2023	16	1099.4	1120	709.6	86	0	100	185
7/27/2023	17	1099.4	1110	709.6	86	0	99	185
7/27/2023	18	1099.4	1110	709.6	86	0	98	184
7/27/2023	19	1099.4	1110	709.4	85	0	98	183
7/27/2023	20	1099.4	1110	709.1	85	0	97	182

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/27/2023	21	1099.4	1100	708.4	85	0	96	181
7/27/2023	22	1099.4	960	708.4	85	0	96	181
7/27/2023	23	1099.4	10	707.9	85	0	97	181
7/27/2023	24	1099.4	10	707.8	85	0	96	181
7/28/2023	1	1099.4	10	708.1	85	0	96	181
7/28/2023	2	1099.4	10	708.3	85	0	97	182
7/28/2023	3	1099.4	10	708.6	85	0	97	182
7/28/2023	4	1099.4	10	708.1	85	0	97	182
7/28/2023	5	1099.4	10	708.3	85	0	98	183
7/28/2023	6	1099.4	80	708.1	85	0	98	183
7/28/2023	7	1099.4	1100	708.1	85	0	97	182
7/28/2023	8	1099.4	1110	707.8	85	0	97	182
7/28/2023	9	1099.4	1110	707.8	85	0	97	182
7/28/2023	10	1099.4	1110	707.9	85	0	97	182
7/28/2023	11	1099.4	1110	708.3	85	0	98	183
7/28/2023	12	1099.4	1110	708.6	86	0	99	184
7/28/2023	13	1099.4	1110	708.9	85	0	100	185
7/28/2023	14	1099.4	1110	708.8	85	0	99	185
7/28/2023	15	1099.4	1110	709.0	86	0	100	185
7/28/2023	16	1099.4	1110	708.9	85	0	98	183
7/28/2023	17	1099.4	1100	708.7	85	0	97	182
7/28/2023	18	1099.4	1110	708.7	85	0	97	182
7/28/2023	19	1099.4	1110	708.5	85	0	97	182
7/28/2023	20	1099.4	1110	708.3	85	0	97	182
7/28/2023	21	1099.4	1100	708.1	85	0	97	182
7/28/2023	22	1099.4	1050	707.9	85	0	97	182
7/28/2023	23	1099.4	10	707.3	85	0	96	182
7/28/2023	24	1099.4	10	707.7	85	0	96	181
7/29/2023	1	1099.4	10	707.8	85	0	97	182
7/29/2023	2	1099.4	10	708.0	85	0	97	182
7/29/2023	3	1099.4	10	708.2	85	0	97	182
7/29/2023	4	1099.4	10	708.4	85	0	98	183
7/29/2023	5	1099.4	10	708.4	85	0	98	183
7/29/2023	6	1099.4	10	708.2	85	0	97	182
7/29/2023	7	1099.4	1090	708.5	85	0	97	182
7/29/2023	8	1099.4	1100	708.4	85	0	97	183
7/29/2023	9	1099.4	1110	708.3	85	0	97	183
7/29/2023	10	1099.4	1120	708.2	85	0	98	183
7/29/2023	11	1099.4	1120	708.6	85	0	98	184
7/29/2023	12	1099.4	1110	708.6	85	0	97	183
7/29/2023	13	1099.4	1120	708.9	86	0	98	184
7/29/2023	14	1099.4	1120	709.2	86	0	98	183
7/29/2023	15	1099.3	1120	709.2	85	0	97	183
7/29/2023	16	1099.3	1120	709.1	85	0	96	181
7/29/2023	17	1099.4	1120	709.1	85	0	97	182
7/29/2023	18	1099.4	1110	709.1	85	0	97	183

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/29/2023	19	1099.4	1120	708.9	85	0	97	183
7/29/2023	20	1099.4	1110	708.7	86	0	97	183
7/29/2023	21	1099.4	1100	708.5	86	0	97	183
7/29/2023	22	1099.4	1010	708.2	86	0	97	183
7/29/2023	23	1099.4	10	707.7	86	0	97	183
7/29/2023	24	1099.4	10	708.3	86	0	96	182
7/30/2023	1	1099.4	10	708.5	85	0	97	182
7/30/2023	2	1099.4	10	708.3	85	0	97	183
7/30/2023	3	1099.4	10	708.5	85	0	96	181
7/30/2023	4	1099.4	10	708.4	85	0	96	181
7/30/2023	5	1099.4	10	708.2	85	0	97	182
7/30/2023	6	1099.4	20	708.2	85	0	97	182
7/30/2023	7	1099.4	10	708.2	85	0	98	183
7/30/2023	8	1099.4	10	708.3	85	0	97	182
7/30/2023	9	1099.4	10	708.4	85	0	98	183
7/30/2023	10	1099.4	10	708.6	85	0	99	184
7/30/2023	11	1099.4	10	708.4	85	0	98	184
7/30/2023	12	1099.4	10	708.3	85	0	98	183
7/30/2023	13	1099.4	10	708.1	85	0	98	183
7/30/2023	14	1099.4	10	707.9	85	0	97	182
7/30/2023	15	1099.4	10	708.0	85	0	97	182
7/30/2023	16	1099.4	10	708.2	85	0	96	180
7/30/2023	17	1099.4	10	708.4	85	0	95	180
7/30/2023	18	1099.4	10	709.0	86	0	97	182
7/30/2023	19	1099.4	10	709.0	86	0	97	182
7/30/2023	20	1099.4	10	708.9	86	0	96	182
7/30/2023	21	1099.4	10	708.7	86	0	96	181
7/30/2023	22	1099.4	10	708.6	86	0	96	182
7/30/2023	23	1099.4	10	708.3	86	0	96	181
7/30/2023	24	1099.4	10	708.4	85	0	96	182
7/31/2023	1	1099.4	10	708.6	85	0	98	183
7/31/2023	2	1099.4	10	708.6	85	0	98	183
7/31/2023	3	1099.4	10	708.7	85	0	98	183
7/31/2023	4	1099.4	10	708.3	85	0	97	183
7/31/2023	5	1099.4	10	708.6	85	0	98	183
7/31/2023	6	1099.4	10	708.9	85	0	98	183
7/31/2023	7	1099.4	10	709.2	85	0	99	184
7/31/2023	8	1099.4	10	708.9	85	0	98	184
7/31/2023	9	1099.4	10	708.8	85	0	99	184
7/31/2023	10	1099.4	10	708.8	86	0	99	184
7/31/2023	11	1099.4	10	708.5	85	0	99	184
7/31/2023	12	1099.4	10	708.3	86	0	98	184
7/31/2023	13	1099.4	10	708.3	85	0	98	184
7/31/2023	14	1099.4	10	708.4	85	0	98	183
7/31/2023	15	1099.4	10	708.4	85	0	97	183
7/31/2023	16	1099.4	10	708.8	86	0	98	183

Date	Hour	Lake Chelan Elevation (ft)	Powerhouse Tailrace Flow (cfs)	Powerhouse Tailwater Elevation (ft)	Low Level Outlet Flow (cfs)	Spillway Flow (cfs)	Pump Station Flow (cfs)	Chelan River Flow Reach 4 (cfs)
7/31/2023	17	1099.4	10	709.3	86	0	98	183
7/31/2023	18	1099.4	10	709.1	86	0	98	183
7/31/2023	19	1099.4	10	709.0	85	0	97	183
7/31/2023	20	1099.4	10	708.8	85	0	96	182
7/31/2023	21	1099.4	10	708.3	85	0	96	181
7/31/2023	22	1099.4	10	708.0	86	0	96	181
7/31/2023	23	1099.4	10	708.2	85	0	97	182
7/31/2023	24	1099.4	10	708.2	85	0	96	182