

Kate Taylor

From: Scott Hopkins
Sent: Monday, August 19, 2024 2:24 PM
To: 'jody.walters@noaa.gov'; 'hugh_anthony@nps.gov'; 'paul.willard@usda.gov';
'RD_Nelle@fws.gov'; 'travis.maitland@dfw.wa.gov'; Scott Hopkins; 'blod@yakamafish-
nsn.gov'; 'bret.nine@colvilletribes.com'; 'justin.yeager@noaa.gov';
'ashley_rawhouser@nps.gov'; 'kari.grover@usda.gov'; 'stuart_fety@fws.gov';
'ana.cerro@usda.gov'; 'CHBR461@ECY.WA.GOV'; 'Leslie.King@dfw.wa.gov';
'okeefe@americanwhitewater.org'; 'wfarris@cityofchelan.us'; 'info@mansonparks.com';
'Fisheries@ctuir.org'; 'philiprarchibald@gmail.com'; 'damon.roberts@ecy.wa.gov';
'Josh.Bell@PARKS.WA.GOV'; Bill Towey; Sara Peck
Cc: Kate Taylor; Meaghan Connell; Laura Clark
Subject: 2024 Chelan River Flow Monitoring - July Reports
Attachments: 2024 Daily Average Flow Data July Report.pdf; 2024 Hourly Flow Data July Report.pdf
Categories: .Post Filing

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 - 2024

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 2024. These reports contain data for surface elevations at the Chelan Dam Forebay and Powerhouse Tailrace, and flows from the Powerhouse, Low Level Outlet (LLO), 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.

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



Scott Hopkins
Fisheries Biologist III
Chelan County P.U.D.
P: (509) 661-4763
C: (509) 630-2708

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)
7/1/2024	1098.8	1655	708.5	86	0	0	86
7/2/2024	1098.9	1680	708.5	86	0	0	86
7/3/2024	1099.0	1776	709.0	88	0	0	88
7/4/2024	1099.0	2310	709.2	86	0	0	86
7/5/2024	1099.0	2302	708.9	94	0	0	94
7/6/2024	1099.0	2314	709.0	127	0	0	127
7/7/2024	1099.0	2308	708.9	127	0	0	127
7/8/2024	1099.0	2313	709.0	127	0	0	127
7/9/2024	1099.0	2305	708.8	127	0	0	127
7/10/2024	1099.1	1573	708.7	150	0	0	150
7/11/2024	1099.2	1572	709.1	165	0	0	165
7/12/2024	1099.2	1545	708.6	144	0	0	144
7/13/2024	1099.3	1513	708.5	125	0	0	125
7/14/2024	1099.3	790	708.3	125	0	0	125
7/15/2024	1099.4	1545	709.1	104	0	0	104
7/16/2024	1099.4	1543	709.5	86	0	70	157
7/17/2024	1099.4	1547	708.7	86	0	98	185
7/18/2024	1099.4	1550	708.8	86	0	99	185
7/19/2024	1099.4	1528	708.2	86	0	97	184
7/20/2024	1099.4	1565	708.3	86	0	98	185
7/21/2024	1099.5	10	708.1	87	0	98	184
7/22/2024	1099.5	1568	708.7	86	0	97	183
7/23/2024	1099.6	1559	708.3	86	0	97	183
7/24/2024	1099.5	1450	708.7	87	0	97	184
7/25/2024	1099.5	1548	709.1	87	0	97	185
7/26/2024	1099.4	1565	709.1	87	0	99	186
7/27/2024	1099.4	1595	709.2	87	0	99	186
7/28/2024	1099.4	18	707.8	87	0	97	184
7/29/2024	1099.4	1564	708.2	87	0	97	184
7/30/2024	1099.4	813	707.5	87	0	96	183
7/31/2024	1099.4	799	707.8	87	0	97	184

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)
7/1/2024	1	1098.8	10	707.4	86	0	0	86
7/1/2024	2	1098.8	10	707.6	86	0	0	86
7/1/2024	3	1098.8	10	707.8	86	0	0	86
7/1/2024	4	1098.8	10	708.0	86	0	0	86
7/1/2024	5	1098.8	10	708.2	86	0	0	86
7/1/2024	6	1098.8	230	708.3	86	0	0	86
7/1/2024	7	1098.8	2310	708.8	86	0	0	86
7/1/2024	8	1098.9	2310	708.9	87	0	0	87
7/1/2024	9	1098.8	2300	708.9	87	0	0	87
7/1/2024	10	1098.8	2290	708.8	87	0	0	87
7/1/2024	11	1098.8	2310	708.9	86	0	0	86
7/1/2024	12	1098.8	2310	708.9	86	0	0	86
7/1/2024	13	1098.9	2320	709.0	86	0	0	86
7/1/2024	14	1098.9	2330	708.9	87	0	0	87
7/1/2024	15	1098.9	2320	709.0	86	0	0	86
7/1/2024	16	1098.9	2310	709.2	86	0	0	86
7/1/2024	17	1098.9	2330	709.0	86	0	0	86
7/1/2024	18	1098.9	2320	708.9	87	0	0	87
7/1/2024	19	1098.9	2340	708.7	86	0	0	86
7/1/2024	20	1098.9	2310	708.6	86	0	0	86
7/1/2024	21	1098.9	2310	708.5	86	0	0	86
7/1/2024	22	1098.9	2290	708.5	86	0	0	86
7/1/2024	23	1098.9	2280	708.5	86	0	0	86
7/1/2024	24	1098.9	140	707.2	87	0	0	87
7/2/2024	1	1098.9	10	707.4	87	0	0	87
7/2/2024	2	1098.9	10	707.7	87	0	0	87
7/2/2024	3	1098.9	10	707.8	87	0	0	87
7/2/2024	4	1098.9	10	707.7	87	0	0	87
7/2/2024	5	1098.9	10	707.2	86	0	0	86
7/2/2024	6	1098.9	200	707.0	87	0	0	87
7/2/2024	7	1098.9	2350	708.5	86	0	0	86
7/2/2024	8	1098.9	2360	708.5	86	0	0	86
7/2/2024	9	1098.9	2350	708.5	86	0	0	86
7/2/2024	10	1098.9	2360	708.5	87	0	0	87
7/2/2024	11	1098.9	2360	708.5	86	0	0	86
7/2/2024	12	1098.9	2360	708.5	86	0	0	86
7/2/2024	13	1098.9	2370	708.5	86	0	0	86
7/2/2024	14	1098.9	2380	708.7	87	0	0	87
7/2/2024	15	1098.9	2370	708.8	86	0	0	86
7/2/2024	16	1098.9	2370	708.9	86	0	0	86
7/2/2024	17	1098.9	2360	709.3	86	0	0	86
7/2/2024	18	1098.9	2360	709.1	87	0	0	87
7/2/2024	19	1099.0	2370	709.2	86	0	0	86
7/2/2024	20	1099.0	2370	709.3	87	0	0	87
7/2/2024	21	1098.9	2350	709.4	86	0	0	86
7/2/2024	22	1098.9	2360	709.1	86	0	0	86

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)
7/2/2024	23	1099.0	2200	709.1	87	0	0	87
7/2/2024	24	1098.9	60	708.6	87	0	0	87
7/3/2024	1	1099.0	10	708.4	86	0	0	86
7/3/2024	2	1099.0	10	708.4	86	0	0	86
7/3/2024	3	1099.0	10	708.3	86	0	0	86
7/3/2024	4	1099.0	10	708.0	86	0	0	86
7/3/2024	5	1099.0	10	707.9	86	0	0	86
7/3/2024	6	1099.0	240	707.9	86	0	0	86
7/3/2024	7	1099.0	2330	708.7	86	0	0	86
7/3/2024	8	1099.0	2370	708.9	91	0	0	91
7/3/2024	9	1099.0	2370	709.2	93	0	0	93
7/3/2024	10	1099.0	2380	709.4	92	0	0	92
7/3/2024	11	1099.0	2370	709.4	92	0	0	92
7/3/2024	12	1099.0	2370	709.2	92	0	0	92
7/3/2024	13	1099.0	2380	709.2	92	0	0	92
7/3/2024	14	1099.0	2370	709.3	92	0	0	92
7/3/2024	15	1099.0	2380	709.1	90	0	0	90
7/3/2024	16	1099.0	2370	709.2	87	0	0	87
7/3/2024	17	1098.9	2380	709.1	86	0	0	86
7/3/2024	18	1099.0	2360	709.0	86	0	0	86
7/3/2024	19	1099.0	2330	709.2	86	0	0	86
7/3/2024	20	1099.0	2320	709.5	87	0	0	87
7/3/2024	21	1099.0	2300	709.6	86	0	0	86
7/3/2024	22	1099.0	2330	709.6	86	0	0	86
7/3/2024	23	1099.0	2310	709.6	86	0	0	86
7/3/2024	24	1099.0	2310	709.4	87	0	0	87
7/4/2024	1	1099.0	2310	709.4	86	0	0	86
7/4/2024	2	1099.0	2310	709.2	86	0	0	86
7/4/2024	3	1099.0	2290	709.0	87	0	0	87
7/4/2024	4	1099.0	2300	709.1	86	0	0	86
7/4/2024	5	1099.0	2320	709.2	86	0	0	86
7/4/2024	6	1099.0	2300	709.1	87	0	0	87
7/4/2024	7	1099.0	2290	709.2	86	0	0	86
7/4/2024	8	1099.0	2310	709.7	86	0	0	86
7/4/2024	9	1099.0	2330	710.2	87	0	0	87
7/4/2024	10	1099.0	2330	710.2	87	0	0	87
7/4/2024	11	1099.0	2340	710.1	86	0	0	86
7/4/2024	12	1099.0	2320	709.9	86	0	0	86
7/4/2024	13	1099.0	2340	709.8	86	0	0	86
7/4/2024	14	1099.0	2330	709.5	87	0	0	87
7/4/2024	15	1099.0	2320	709.3	86	0	0	86
7/4/2024	16	1098.9	2310	709.1	86	0	0	86
7/4/2024	17	1098.9	2320	709.0	86	0	0	86
7/4/2024	18	1099.0	2320	708.8	86	0	0	86
7/4/2024	19	1099.0	2310	708.7	87	0	0	87
7/4/2024	20	1099.0	2290	708.6	86	0	0	86

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)
7/4/2024	21	1099.0	2270	708.5	86	0	0	86
7/4/2024	22	1099.0	2300	708.5	87	0	0	87
7/4/2024	23	1099.0	2300	708.5	86	0	0	86
7/4/2024	24	1099.0	2280	708.5	86	0	0	86
7/5/2024	1	1099.0	2310	708.6	86	0	0	86
7/5/2024	2	1099.0	2290	708.6	86	0	0	86
7/5/2024	3	1099.0	2300	708.6	86	0	0	86
7/5/2024	4	1099.0	2300	708.5	87	0	0	87
7/5/2024	5	1099.0	2280	708.6	86	0	0	86
7/5/2024	6	1099.0	2280	708.5	86	0	0	86
7/5/2024	7	1099.0	2260	708.5	86	0	0	86
7/5/2024	8	1099.0	2300	708.6	86	0	0	86
7/5/2024	9	1099.0	2290	708.6	86	0	0	86
7/5/2024	10	1099.0	2310	708.6	87	0	0	87
7/5/2024	11	1099.0	2300	708.7	86	0	0	86
7/5/2024	12	1099.0	2320	708.9	86	0	0	86
7/5/2024	13	1099.0	2330	709.2	87	0	0	87
7/5/2024	14	1099.0	2320	709.6	86	0	0	86
7/5/2024	15	1099.0	2330	709.8	86	0	0	86
7/5/2024	16	1099.0	2300	709.6	87	0	0	87
7/5/2024	17	1099.0	2330	709.3	86	0	0	86
7/5/2024	18	1099.0	2320	709.3	86	0	0	86
7/5/2024	19	1099.0	2330	709.2	86	0	0	86
7/5/2024	20	1099.0	2300	709.0	95	0	0	95
7/5/2024	21	1099.0	2270	708.9	127	0	0	127
7/5/2024	22	1099.0	2290	708.7	128	0	0	128
7/5/2024	23	1099.0	2290	708.6	128	0	0	128
7/5/2024	24	1099.0	2290	708.6	128	0	0	128
7/6/2024	1	1099.0	2300	708.6	128	0	0	128
7/6/2024	2	1099.0	2310	708.7	127	0	0	127
7/6/2024	3	1099.0	2310	708.8	127	0	0	127
7/6/2024	4	1099.0	2320	709.0	127	0	0	127
7/6/2024	5	1099.0	2330	709.0	127	0	0	127
7/6/2024	6	1099.0	2290	709.3	127	0	0	127
7/6/2024	7	1099.0	2280	709.3	128	0	0	128
7/6/2024	8	1099.0	2330	709.4	128	0	0	128
7/6/2024	9	1099.0	2320	709.4	128	0	0	128
7/6/2024	10	1099.0	2320	709.2	128	0	0	128
7/6/2024	11	1099.0	2320	709.3	127	0	0	127
7/6/2024	12	1099.0	2300	709.2	127	0	0	127
7/6/2024	13	1099.0	2320	709.2	127	0	0	127
7/6/2024	14	1099.0	2330	709.2	127	0	0	127
7/6/2024	15	1099.0	2310	709.0	127	0	0	127
7/6/2024	16	1099.0	2340	709.0	128	0	0	128
7/6/2024	17	1099.0	2320	709.2	127	0	0	127
7/6/2024	18	1099.0	2320	709.0	128	0	0	128

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)
7/6/2024	19	1099.0	2340	709.0	128	0	0	128
7/6/2024	20	1099.0	2300	709.0	127	0	0	127
7/6/2024	21	1099.0	2300	709.0	127	0	0	127
7/6/2024	22	1099.0	2330	708.9	127	0	0	127
7/6/2024	23	1099.0	2300	708.8	127	0	0	127
7/6/2024	24	1099.0	2300	708.7	127	0	0	127
7/7/2024	1	1099.0	2280	708.6	127	0	0	127
7/7/2024	2	1099.0	2300	708.6	127	0	0	127
7/7/2024	3	1099.0	2300	708.5	128	0	0	128
7/7/2024	4	1099.0	2290	708.5	127	0	0	127
7/7/2024	5	1099.0	2300	708.5	127	0	0	127
7/7/2024	6	1099.0	2300	708.6	127	0	0	127
7/7/2024	7	1099.0	2300	708.7	127	0	0	127
7/7/2024	8	1099.0	2320	709.0	127	0	0	127
7/7/2024	9	1099.0	2320	709.5	128	0	0	128
7/7/2024	10	1099.0	2340	709.5	128	0	0	128
7/7/2024	11	1099.0	2310	709.5	127	0	0	127
7/7/2024	12	1099.0	2320	709.5	127	0	0	127
7/7/2024	13	1099.0	2330	709.5	127	0	0	127
7/7/2024	14	1099.0	2320	709.4	127	0	0	127
7/7/2024	15	1099.0	2330	709.2	127	0	0	127
7/7/2024	16	1099.0	2330	709.1	127	0	0	127
7/7/2024	17	1099.0	2310	708.8	127	0	0	127
7/7/2024	18	1099.0	2310	708.7	127	0	0	127
7/7/2024	19	1099.0	2350	708.7	128	0	0	128
7/7/2024	20	1099.0	2290	708.6	127	0	0	127
7/7/2024	21	1099.0	2280	708.5	127	0	0	127
7/7/2024	22	1099.0	2290	708.5	127	0	0	127
7/7/2024	23	1099.0	2290	708.5	127	0	0	127
7/7/2024	24	1099.0	2290	708.5	128	0	0	128
7/8/2024	1	1099.0	2290	708.6	128	0	0	128
7/8/2024	2	1099.0	2300	708.6	128	0	0	128
7/8/2024	3	1099.0	2300	708.7	127	0	0	127
7/8/2024	4	1099.0	2290	708.6	127	0	0	127
7/8/2024	5	1099.0	2290	708.7	128	0	0	128
7/8/2024	6	1099.0	2300	708.8	127	0	0	127
7/8/2024	7	1099.0	2310	709.0	127	0	0	127
7/8/2024	8	1099.0	2320	709.3	127	0	0	127
7/8/2024	9	1099.0	2310	709.4	127	0	0	127
7/8/2024	10	1099.0	2320	709.5	128	0	0	128
7/8/2024	11	1099.0	2330	709.7	127	0	0	127
7/8/2024	12	1099.0	2330	709.8	127	0	0	127
7/8/2024	13	1099.0	2350	709.2	127	0	0	127
7/8/2024	14	1099.0	2330	709.1	127	0	0	127
7/8/2024	15	1099.0	2330	709.0	127	0	0	127
7/8/2024	16	1099.0	2320	709.0	127	0	0	127

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)
7/8/2024	17	1099.0	2340	709.0	127	0	0	127
7/8/2024	18	1099.0	2350	709.0	127	0	0	127
7/8/2024	19	1099.0	2340	708.9	128	0	0	128
7/8/2024	20	1099.0	2290	708.9	127	0	0	127
7/8/2024	21	1099.0	2290	709.0	127	0	0	127
7/8/2024	22	1099.0	2290	709.1	127	0	0	127
7/8/2024	23	1099.0	2300	709.0	127	0	0	127
7/8/2024	24	1099.0	2300	708.8	127	0	0	127
7/9/2024	1	1099.0	2280	708.8	127	0	0	127
7/9/2024	2	1099.0	2300	708.7	127	0	0	127
7/9/2024	3	1099.0	2290	708.7	127	0	0	127
7/9/2024	4	1099.0	2300	708.6	128	0	0	128
7/9/2024	5	1099.0	2300	708.6	127	0	0	127
7/9/2024	6	1099.0	2300	708.6	127	0	0	127
7/9/2024	7	1099.0	2300	708.6	128	0	0	128
7/9/2024	8	1099.0	2330	708.6	128	0	0	128
7/9/2024	9	1099.0	2320	708.6	127	0	0	127
7/9/2024	10	1099.0	2310	708.6	128	0	0	128
7/9/2024	11	1099.0	2310	708.6	127	0	0	127
7/9/2024	12	1099.0	2310	708.6	128	0	0	128
7/9/2024	13	1099.0	2310	708.6	127	0	0	127
7/9/2024	14	1099.0	2310	708.6	127	0	0	127
7/9/2024	15	1099.0	2300	708.7	127	0	0	127
7/9/2024	16	1099.0	2320	708.8	127	0	0	127
7/9/2024	17	1099.0	2320	708.8	127	0	0	127
7/9/2024	18	1099.0	2320	708.9	127	0	0	127
7/9/2024	19	1099.0	2320	709.0	128	0	0	128
7/9/2024	20	1099.1	2290	709.1	128	0	0	128
7/9/2024	21	1099.1	2290	709.3	128	0	0	128
7/9/2024	22	1099.1	2280	709.3	128	0	0	128
7/9/2024	23	1099.1	2310	709.2	127	0	0	127
7/9/2024	24	1099.1	2300	709.1	127	0	0	127
7/10/2024	1	1099.1	220	708.5	127	0	0	127
7/10/2024	2	1099.1	10	708.4	127	0	0	127
7/10/2024	3	1099.1	10	708.2	127	0	0	127
7/10/2024	4	1099.1	10	708.2	127	0	0	127
7/10/2024	5	1099.1	10	708.3	127	0	0	127
7/10/2024	6	1099.1	220	708.2	127	0	0	127
7/10/2024	7	1099.1	2300	708.9	128	0	0	128
7/10/2024	8	1099.1	2310	708.8	127	0	0	127
7/10/2024	9	1099.1	2300	708.7	127	0	0	127
7/10/2024	10	1099.1	2320	708.7	146	0	0	146
7/10/2024	11	1099.1	2320	708.6	165	0	0	165
7/10/2024	12	1099.2	2310	708.7	165	0	0	165
7/10/2024	13	1099.1	2330	708.6	165	0	0	165
7/10/2024	14	1099.1	2330	708.7	166	0	0	166

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)
7/10/2024	15	1099.1	2320	708.7	165	0	0	165
7/10/2024	16	1099.1	2320	708.9	165	0	0	165
7/10/2024	17	1099.2	2330	709.0	166	0	0	166
7/10/2024	18	1099.2	2330	709.2	166	0	0	166
7/10/2024	19	1099.2	2310	709.3	165	0	0	165
7/10/2024	20	1099.2	2300	709.4	165	0	0	165
7/10/2024	21	1099.2	2300	709.2	166	0	0	166
7/10/2024	22	1099.2	2310	709.0	165	0	0	165
7/10/2024	23	1099.2	210	708.2	166	0	0	166
7/10/2024	24	1099.2	10	708.0	164	0	0	164
7/11/2024	1	1099.2	10	707.7	165	0	0	165
7/11/2024	2	1099.2	10	707.2	165	0	0	165
7/11/2024	3	1099.2	10	707.2	165	0	0	165
7/11/2024	4	1099.2	10	707.3	165	0	0	165
7/11/2024	5	1099.2	10	707.4	165	0	0	165
7/11/2024	6	1099.3	190	707.9	165	0	0	165
7/11/2024	7	1099.3	2320	708.9	166	0	0	166
7/11/2024	8	1099.2	2300	709.2	165	0	0	165
7/11/2024	9	1099.2	2310	709.2	166	0	0	166
7/11/2024	10	1099.2	2320	709.4	165	0	0	165
7/11/2024	11	1099.2	2310	709.6	165	0	0	165
7/11/2024	12	1099.2	2330	709.9	165	0	0	165
7/11/2024	13	1099.2	2340	710.0	165	0	0	165
7/11/2024	14	1099.2	2350	710.0	165	0	0	165
7/11/2024	15	1099.2	2340	710.1	165	0	0	165
7/11/2024	16	1099.2	2330	710.0	165	0	0	165
7/11/2024	17	1099.2	2340	710.0	165	0	0	165
7/11/2024	18	1099.2	2320	710.1	165	0	0	165
7/11/2024	19	1099.2	2350	710.0	166	0	0	166
7/11/2024	20	1099.2	2320	710.0	166	0	0	166
7/11/2024	21	1099.2	2320	709.8	166	0	0	166
7/11/2024	22	1099.2	2310	709.4	165	0	0	165
7/11/2024	23	1099.2	260	709.3	166	0	0	166
7/11/2024	24	1099.3	10	708.6	165	0	0	165
7/12/2024	1	1099.3	10	708.1	165	0	0	165
7/12/2024	2	1099.3	10	707.8	165	0	0	165
7/12/2024	3	1099.3	10	707.6	165	0	0	165
7/12/2024	4	1099.3	10	707.8	165	0	0	165
7/12/2024	5	1099.3	10	707.9	165	0	0	165
7/12/2024	6	1099.3	130	708.0	165	0	0	165
7/12/2024	7	1099.3	2310	708.9	165	0	0	165
7/12/2024	8	1099.3	2300	708.7	166	0	0	166
7/12/2024	9	1099.3	2300	708.8	166	0	0	166
7/12/2024	10	1099.3	2310	709.1	165	0	0	165
7/12/2024	11	1099.3	2300	709.2	152	0	0	152
7/12/2024	12	1099.2	2320	709.2	136	0	0	136

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)
7/12/2024	13	1099.2	2320	709.2	128	0	0	128
7/12/2024	14	1099.3	2330	709.0	125	0	0	125
7/12/2024	15	1099.2	2320	709.0	126	0	0	126
7/12/2024	16	1099.2	2330	709.0	125	0	0	125
7/12/2024	17	1099.2	2300	708.9	125	0	0	125
7/12/2024	18	1099.2	2330	708.9	126	0	0	126
7/12/2024	19	1099.3	2310	709.1	125	0	0	125
7/12/2024	20	1099.3	2300	709.0	125	0	0	125
7/12/2024	21	1099.2	2300	708.9	125	0	0	125
7/12/2024	22	1099.2	2200	708.8	125	0	0	125
7/12/2024	23	1099.3	20	707.7	126	0	0	126
7/12/2024	24	1099.3	10	707.4	125	0	0	125
7/13/2024	1	1099.3	10	707.3	125	0	0	125
7/13/2024	2	1099.3	10	707.4	126	0	0	126
7/13/2024	3	1099.3	10	707.0	126	0	0	126
7/13/2024	4	1099.3	10	707.2	125	0	0	125
7/13/2024	5	1099.3	10	707.3	125	0	0	125
7/13/2024	6	1099.3	170	707.4	125	0	0	125
7/13/2024	7	1099.3	1340	707.9	125	0	0	125
7/13/2024	8	1099.3	2300	708.6	125	0	0	125
7/13/2024	9	1099.3	2310	708.6	125	0	0	125
7/13/2024	10	1099.3	2320	708.7	125	0	0	125
7/13/2024	11	1099.3	2330	708.8	125	0	0	125
7/13/2024	12	1099.3	2310	709.0	126	0	0	126
7/13/2024	13	1099.3	2320	709.2	125	0	0	125
7/13/2024	14	1099.3	2340	709.7	125	0	0	125
7/13/2024	15	1099.3	2310	709.9	126	0	0	126
7/13/2024	16	1099.3	2330	709.5	125	0	0	125
7/13/2024	17	1099.3	2340	709.4	125	0	0	125
7/13/2024	18	1099.3	2320	709.2	125	0	0	125
7/13/2024	19	1099.3	2310	709.1	125	0	0	125
7/13/2024	20	1099.3	2290	708.9	126	0	0	126
7/13/2024	21	1099.3	2290	708.8	126	0	0	126
7/13/2024	22	1099.3	2250	708.8	125	0	0	125
7/13/2024	23	1099.3	80	707.9	126	0	0	126
7/13/2024	24	1099.3	10	707.9	126	0	0	126
7/14/2024	1	1099.3	10	708.3	126	0	0	126
7/14/2024	2	1099.3	10	708.8	126	0	0	126
7/14/2024	3	1099.3	10	708.8	126	0	0	126
7/14/2024	4	1099.3	10	709.0	125	0	0	125
7/14/2024	5	1099.4	10	708.5	125	0	0	125
7/14/2024	6	1099.3	20	708.5	125	0	0	125
7/14/2024	7	1099.4	1160	708.3	125	0	0	125
7/14/2024	8	1099.3	1170	707.8	125	0	0	125
7/14/2024	9	1099.3	1160	707.8	125	0	0	125
7/14/2024	10	1099.3	1150	707.9	126	0	0	126

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)
7/14/2024	11	1099.3	1170	707.9	125	0	0	125
7/14/2024	12	1099.3	1170	708.3	125	0	0	125
7/14/2024	13	1099.3	1160	708.1	125	0	0	125
7/14/2024	14	1099.4	1160	708.2	125	0	0	125
7/14/2024	15	1099.3	1170	708.3	125	0	0	125
7/14/2024	16	1099.4	1170	708.2	125	0	0	125
7/14/2024	17	1099.4	1160	708.2	125	0	0	125
7/14/2024	18	1099.4	1170	708.3	125	0	0	125
7/14/2024	19	1099.4	1170	708.3	125	0	0	125
7/14/2024	20	1099.4	1170	708.3	125	0	0	125
7/14/2024	21	1099.4	1160	708.3	125	0	0	125
7/14/2024	22	1099.4	1160	708.6	126	0	0	126
7/14/2024	23	1099.4	260	708.4	126	0	0	126
7/14/2024	24	1099.4	10	708.3	126	0	0	126
7/15/2024	1	1099.4	10	707.8	126	0	0	126
7/15/2024	2	1099.4	10	707.4	125	0	0	125
7/15/2024	3	1099.4	10	707.1	125	0	0	125
7/15/2024	4	1099.4	10	707.1	125	0	0	125
7/15/2024	5	1099.4	10	707.0	125	0	0	125
7/15/2024	6	1099.4	210	707.2	125	0	0	125
7/15/2024	7	1099.4	2220	708.8	125	0	0	125
7/15/2024	8	1099.4	2290	708.7	126	0	0	126
7/15/2024	9	1099.4	2290	708.9	125	0	0	125
7/15/2024	10	1099.4	2300	708.9	125	0	0	125
7/15/2024	11	1099.4	2310	709.2	108	0	0	108
7/15/2024	12	1099.4	2300	709.2	91	0	0	91
7/15/2024	13	1099.4	2320	709.3	86	0	0	86
7/15/2024	14	1099.4	2330	709.6	87	0	0	87
7/15/2024	15	1099.4	2310	709.9	86	0	0	86
7/15/2024	16	1099.4	2320	709.9	86	0	0	86
7/15/2024	17	1099.4	2330	710.0	86	0	0	86
7/15/2024	18	1099.4	2320	710.2	86	0	0	86
7/15/2024	19	1099.4	2330	710.3	87	0	0	87
7/15/2024	20	1099.4	2300	710.2	86	0	0	86
7/15/2024	21	1099.4	2310	710.4	86	0	0	86
7/15/2024	22	1099.4	2210	710.5	87	0	0	87
7/15/2024	23	1099.4	30	710.2	86	0	0	86
7/15/2024	24	1099.4	10	709.9	86	0	0	86
7/16/2024	1	1099.4	10	709.1	86	0	0	86
7/16/2024	2	1099.4	10	708.8	86	0	0	86
7/16/2024	3	1099.4	10	708.1	86	0	0	86
7/16/2024	4	1099.4	10	707.6	86	0	0	86
7/16/2024	5	1099.4	10	707.8	86	0	0	86
7/16/2024	6	1099.4	240	707.9	86	0	0	86
7/16/2024	7	1099.4	2280	708.9	86	0	14	100
7/16/2024	8	1099.4	2310	709.0	86	0	96	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)
7/16/2024	9	1099.4	2310	709.3	86	0	96	182
7/16/2024	10	1099.4	2320	709.7	86	0	97	183
7/16/2024	11	1099.4	2330	709.6	86	0	98	184
7/16/2024	12	1099.4	2150	709.7	86	0	98	184
7/16/2024	13	1099.4	1080	709.6	86	0	98	185
7/16/2024	14	1099.4	1890	709.8	86	0	98	184
7/16/2024	15	1099.4	2330	709.9	86	0	99	186
7/16/2024	16	1099.4	2320	710.2	86	0	101	187
7/16/2024	17	1099.4	2350	710.3	86	0	101	187
7/16/2024	18	1099.4	2340	710.5	86	0	100	186
7/16/2024	19	1099.4	2370	710.6	87	0	99	185
7/16/2024	20	1099.4	2320	710.7	86	0	99	186
7/16/2024	21	1099.4	2330	710.8	87	0	98	185
7/16/2024	22	1099.4	2200	710.6	86	0	99	185
7/16/2024	23	1099.4	1420	710.4	86	0	99	186
7/16/2024	24	1099.4	90	710.0	87	0	98	185
7/17/2024	1	1099.4	10	709.6	87	0	98	185
7/17/2024	2	1099.4	10	708.9	87	0	98	184
7/17/2024	3	1099.4	10	708.5	86	0	97	183
7/17/2024	4	1099.4	10	708.0	87	0	96	183
7/17/2024	5	1099.4	10	708.1	86	0	96	183
7/17/2024	6	1099.4	260	707.9	86	0	96	182
7/17/2024	7	1099.4	2290	709.0	86	0	98	184
7/17/2024	8	1099.4	2310	709.4	86	0	97	183
7/17/2024	9	1099.4	2320	709.1	86	0	97	183
7/17/2024	10	1099.4	2310	709.2	86	0	97	183
7/17/2024	11	1099.4	2320	709.1	86	0	98	184
7/17/2024	12	1099.4	2300	708.8	87	0	101	188
7/17/2024	13	1099.4	2300	708.7	86	0	100	186
7/17/2024	14	1099.4	2320	708.7	86	0	99	186
7/17/2024	15	1099.4	2310	708.7	86	0	99	185
7/17/2024	16	1099.4	2310	708.7	86	0	99	185
7/17/2024	17	1099.4	2310	708.7	87	0	98	185
7/17/2024	18	1099.4	2310	708.6	87	0	99	185
7/17/2024	19	1099.4	2320	708.5	86	0	99	185
7/17/2024	20	1099.4	2300	708.5	86	0	99	186
7/17/2024	21	1099.4	2290	708.6	86	0	99	186
7/17/2024	22	1099.4	2140	708.7	86	0	100	186
7/17/2024	23	1099.4	50	708.3	86	0	100	186
7/17/2024	24	1099.4	10	708.4	86	0	100	187
7/18/2024	1	1099.4	10	708.4	86	0	99	185
7/18/2024	2	1099.4	10	708.1	86	0	99	186
7/18/2024	3	1099.4	10	707.8	86	0	99	185
7/18/2024	4	1099.4	10	708.0	86	0	99	185
7/18/2024	5	1099.4	10	708.0	86	0	99	186
7/18/2024	6	1099.4	250	708.0	86	0	99	186

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)
7/18/2024	7	1099.4	2280	708.7	86	0	100	185
7/18/2024	8	1099.4	2310	708.6	86	0	98	184
7/18/2024	9	1099.4	2310	708.7	86	0	98	184
7/18/2024	10	1099.4	2320	708.7	87	0	98	184
7/18/2024	11	1099.4	2310	708.8	87	0	98	185
7/18/2024	12	1099.4	2330	708.8	87	0	98	185
7/18/2024	13	1099.4	2320	708.9	86	0	98	184
7/18/2024	14	1099.4	2310	709.1	86	0	99	185
7/18/2024	15	1099.4	2340	709.3	86	0	99	185
7/18/2024	16	1099.4	2300	709.4	86	0	99	185
7/18/2024	17	1099.4	2310	709.7	86	0	99	185
7/18/2024	18	1099.4	2320	709.5	86	0	98	184
7/18/2024	19	1099.4	2330	709.5	87	0	98	185
7/18/2024	20	1099.4	2300	709.5	86	0	100	186
7/18/2024	21	1099.4	2290	709.6	86	0	101	186
7/18/2024	22	1099.4	2140	709.4	86	0	100	186
7/18/2024	23	1099.4	50	708.9	87	0	100	187
7/18/2024	24	1099.4	20	708.7	86	0	99	186
7/19/2024	1	1099.5	20	708.2	86	0	99	185
7/19/2024	2	1099.4	10	707.8	86	0	98	184
7/19/2024	3	1099.4	10	707.5	86	0	97	184
7/19/2024	4	1099.5	10	707.3	86	0	98	185
7/19/2024	5	1099.5	20	707.0	86	0	97	183
7/19/2024	6	1099.5	30	707.4	86	0	98	185
7/19/2024	7	1099.5	2170	708.5	86	0	99	185
7/19/2024	8	1099.5	2310	708.6	86	0	98	184
7/19/2024	9	1099.5	2300	708.5	86	0	98	184
7/19/2024	10	1099.5	2280	708.6	87	0	97	184
7/19/2024	11	1099.5	2310	708.7	86	0	97	184
7/19/2024	12	1099.4	2320	708.6	86	0	98	185
7/19/2024	13	1099.4	2350	708.7	86	0	98	184
7/19/2024	14	1099.4	2340	708.7	86	0	97	184
7/19/2024	15	1099.4	2320	708.8	86	0	97	184
7/19/2024	16	1099.4	2320	708.9	87	0	97	183
7/19/2024	17	1099.4	2310	708.8	86	0	97	183
7/19/2024	18	1099.4	2320	708.8	86	0	96	183
7/19/2024	19	1099.4	2310	708.8	87	0	97	184
7/19/2024	20	1099.5	2330	708.7	87	0	96	183
7/19/2024	21	1099.5	2280	708.6	86	0	97	183
7/19/2024	22	1099.5	1990	708.3	86	0	97	183
7/19/2024	23	1099.5	10	707.3	86	0	95	181
7/19/2024	24	1099.5	10	707.2	86	0	95	181
7/20/2024	1	1099.5	10	707.0	86	0	95	182
7/20/2024	2	1099.5	10	706.8	86	0	96	182
7/20/2024	3	1099.5	10	706.5	86	0	95	181
7/20/2024	4	1099.5	10	706.5	86	0	95	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)
7/20/2024	5	1099.5	10	706.5	86	0	95	182
7/20/2024	6	1099.5	250	706.7	86	0	96	182
7/20/2024	7	1099.5	2310	708.4	86	0	98	184
7/20/2024	8	1099.5	2300	708.5	86	0	99	185
7/20/2024	9	1099.5	2310	708.5	87	0	98	185
7/20/2024	10	1099.5	2320	708.5	87	0	99	185
7/20/2024	11	1099.5	2320	708.6	86	0	98	184
7/20/2024	12	1099.5	2320	708.6	86	0	99	185
7/20/2024	13	1099.4	2330	708.7	86	0	100	186
7/20/2024	14	1099.4	2330	708.8	87	0	100	187
7/20/2024	15	1099.4	2320	708.8	86	0	100	186
7/20/2024	16	1099.4	2330	709.2	86	0	102	188
7/20/2024	17	1099.4	2330	709.6	86	0	101	187
7/20/2024	18	1099.4	2350	709.6	87	0	100	186
7/20/2024	19	1099.4	2350	709.6	87	0	100	187
7/20/2024	20	1099.4	2310	709.3	87	0	99	186
7/20/2024	21	1099.4	2310	709.6	86	0	99	186
7/20/2024	22	1099.4	2320	709.1	87	0	98	185
7/20/2024	23	1099.4	100	708.5	87	0	98	185
7/20/2024	24	1099.5	10	708.6	87	0	98	185
7/21/2024	1	1099.4	10	708.3	87	0	98	185
7/21/2024	2	1099.4	10	708.0	87	0	98	185
7/21/2024	3	1099.4	10	707.6	87	0	97	184
7/21/2024	4	1099.5	10	707.6	87	0	97	183
7/21/2024	5	1099.5	10	707.4	87	0	96	183
7/21/2024	6	1099.4	10	707.3	87	0	96	183
7/21/2024	7	1099.5	10	707.1	87	0	96	183
7/21/2024	8	1099.5	10	707.0	87	0	96	183
7/21/2024	9	1099.5	10	707.1	87	0	97	183
7/21/2024	10	1099.5	10	707.3	86	0	97	183
7/21/2024	11	1099.5	10	707.6	86	0	98	184
7/21/2024	12	1099.5	10	708.0	86	0	97	184
7/21/2024	13	1099.5	10	708.4	86	0	98	184
7/21/2024	14	1099.5	10	708.6	86	0	98	185
7/21/2024	15	1099.5	10	708.8	86	0	99	185
7/21/2024	16	1099.5	10	709.2	86	0	99	185
7/21/2024	17	1099.5	10	709.2	86	0	99	185
7/21/2024	18	1099.5	10	708.8	87	0	100	186
7/21/2024	19	1099.5	10	708.8	87	0	100	186
7/21/2024	20	1099.5	10	708.8	87	0	98	185
7/21/2024	21	1099.5	10	708.8	86	0	98	185
7/21/2024	22	1099.5	10	708.5	87	0	98	185
7/21/2024	23	1099.5	10	708.4	87	0	98	185
7/21/2024	24	1099.5	10	707.7	87	0	97	184
7/22/2024	1	1099.5	10	707.0	87	0	96	183
7/22/2024	2	1099.5	10	706.8	87	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)
7/22/2024	3	1099.5	10	706.7	87	0	95	182
7/22/2024	4	1099.5	10	707.0	87	0	95	182
7/22/2024	5	1099.5	10	707.0	86	0	96	182
7/22/2024	6	1099.5	250	707.2	86	0	96	182
7/22/2024	7	1099.5	2290	708.6	86	0	97	183
7/22/2024	8	1099.5	2310	708.8	86	0	96	182
7/22/2024	9	1099.5	2310	708.8	86	0	97	183
7/22/2024	10	1099.5	2320	709.1	86	0	97	183
7/22/2024	11	1099.5	2310	709.2	86	0	97	184
7/22/2024	12	1099.5	2320	709.3	86	0	98	184
7/22/2024	13	1099.5	2310	709.3	86	0	98	184
7/22/2024	14	1099.5	2340	709.5	86	0	98	184
7/22/2024	15	1099.5	2330	709.8	86	0	98	185
7/22/2024	16	1099.5	2320	709.8	86	0	98	184
7/22/2024	17	1099.5	2360	709.8	86	0	98	184
7/22/2024	18	1099.5	2350	709.8	86	0	97	183
7/22/2024	19	1099.6	2320	709.7	87	0	96	183
7/22/2024	20	1099.6	2310	709.6	87	0	96	183
7/22/2024	21	1099.6	2310	709.6	86	0	97	183
7/22/2024	22	1099.6	2320	709.5	86	0	98	184
7/22/2024	23	1099.6	190	708.8	87	0	96	183
7/22/2024	24	1099.6	10	708.5	87	0	95	182
7/23/2024	1	1099.6	10	707.8	87	0	95	181
7/23/2024	2	1099.6	10	706.9	87	0	94	180
7/23/2024	3	1099.6	10	706.7	87	0	93	180
7/23/2024	4	1099.6	10	707.0	87	0	95	181
7/23/2024	5	1099.6	10	707.0	87	0	95	181
7/23/2024	6	1099.6	240	706.8	87	0	95	181
7/23/2024	7	1099.6	2300	708.4	86	0	97	184
7/23/2024	8	1099.6	2320	708.5	86	0	97	183
7/23/2024	9	1099.6	2300	708.5	86	0	97	183
7/23/2024	10	1099.6	2320	708.5	86	0	98	184
7/23/2024	11	1099.6	2330	708.5	86	0	98	184
7/23/2024	12	1099.6	2330	708.5	87	0	99	186
7/23/2024	13	1099.6	2330	708.6	86	0	99	185
7/23/2024	14	1099.6	2350	708.8	86	0	99	185
7/23/2024	15	1099.6	2340	709.2	86	0	99	186
7/23/2024	16	1099.5	2320	709.3	86	0	98	185
7/23/2024	17	1099.5	2350	709.4	86	0	99	185
7/23/2024	18	1099.5	2340	709.1	87	0	98	185
7/23/2024	19	1099.5	2330	709.0	86	0	97	183
7/23/2024	20	1099.5	2290	709.0	86	0	97	183
7/23/2024	21	1099.5	2310	708.9	86	0	97	183
7/23/2024	22	1099.5	2200	708.8	86	0	98	184
7/23/2024	23	1099.5	60	708.0	87	0	97	183
7/23/2024	24	1099.5	10	707.9	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)
7/24/2024	1	1099.5	10	707.5	86	0	97	183
7/24/2024	2	1099.5	10	707.7	86	0	97	183
7/24/2024	3	1099.5	10	708.2	86	0	98	184
7/24/2024	4	1099.5	10	708.2	86	0	98	184
7/24/2024	5	1099.5	10	708.4	86	0	99	185
7/24/2024	6	1099.5	240	708.3	86	0	98	184
7/24/2024	7	1099.5	2150	708.8	86	0	98	183
7/24/2024	8	1099.5	2150	708.7	87	0	97	184
7/24/2024	9	1099.5	2160	708.6	86	0	98	185
7/24/2024	10	1099.5	2160	708.6	86	0	99	185
7/24/2024	11	1099.5	2160	708.6	86	0	99	186
7/24/2024	12	1099.5	2160	708.6	86	0	98	184
7/24/2024	13	1099.5	2170	708.6	87	0	98	185
7/24/2024	14	1099.5	2160	708.6	87	0	97	184
7/24/2024	15	1099.5	2170	708.8	87	0	97	184
7/24/2024	16	1099.5	2150	708.9	87	0	97	184
7/24/2024	17	1099.5	2160	709.0	88	0	97	184
7/24/2024	18	1099.5	2140	708.9	87	0	96	184
7/24/2024	19	1099.5	2150	708.7	87	0	96	182
7/24/2024	20	1099.5	2150	709.2	87	0	96	183
7/24/2024	21	1099.5	2150	709.5	87	0	96	183
7/24/2024	22	1099.5	2080	709.7	87	0	97	184
7/24/2024	23	1099.5	70	709.4	88	0	97	184
7/24/2024	24	1099.5	20	709.5	88	0	97	185
7/25/2024	1	1099.5	20	709.3	88	0	98	186
7/25/2024	2	1099.5	20	709.4	88	0	97	184
7/25/2024	3	1099.5	20	709.0	87	0	97	185
7/25/2024	4	1099.5	20	708.9	87	0	97	185
7/25/2024	5	1099.5	20	708.4	87	0	97	184
7/25/2024	6	1099.5	120	707.9	87	0	95	182
7/25/2024	7	1099.5	2290	708.8	87	0	96	183
7/25/2024	8	1099.5	2310	708.9	87	0	97	184
7/25/2024	9	1099.5	2300	708.7	88	0	97	185
7/25/2024	10	1099.5	2310	708.8	87	0	96	184
7/25/2024	11	1099.5	2320	708.9	87	0	97	184
7/25/2024	12	1099.5	2320	709.0	87	0	97	184
7/25/2024	13	1099.5	2310	709.0	88	0	97	184
7/25/2024	14	1099.5	2310	708.8	87	0	96	184
7/25/2024	15	1099.5	2320	708.9	87	0	96	183
7/25/2024	16	1099.5	2310	708.9	88	0	96	184
7/25/2024	17	1099.5	2310	709.0	87	0	96	183
7/25/2024	18	1099.5	2330	709.2	87	0	97	184
7/25/2024	19	1099.5	2320	709.3	87	0	97	184
7/25/2024	20	1099.5	2300	709.5	88	0	98	185
7/25/2024	21	1099.5	2320	709.7	87	0	100	187
7/25/2024	22	1099.5	2190	709.8	87	0	100	187

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)
7/25/2024	23	1099.5	40	709.8	88	0	101	189
7/25/2024	24	1099.5	20	709.8	87	0	99	187
7/26/2024	1	1099.5	20	709.5	87	0	100	187
7/26/2024	2	1099.5	20	709.1	87	0	100	187
7/26/2024	3	1099.5	20	708.1	87	0	98	185
7/26/2024	4	1099.5	20	708.1	87	0	98	185
7/26/2024	5	1099.5	20	708.2	87	0	97	184
7/26/2024	6	1099.5	140	708.4	87	0	98	185
7/26/2024	7	1099.5	2320	709.1	86	0	99	185
7/26/2024	8	1099.5	2310	708.9	87	0	98	185
7/26/2024	9	1099.5	2320	708.9	87	0	98	186
7/26/2024	10	1099.4	2320	709.1	87	0	100	187
7/26/2024	11	1099.4	2330	709.4	87	0	100	187
7/26/2024	12	1099.4	2320	709.8	87	0	101	187
7/26/2024	13	1099.4	2330	709.7	87	0	100	187
7/26/2024	14	1099.4	2330	709.6	88	0	99	187
7/26/2024	15	1099.4	2330	709.7	87	0	99	186
7/26/2024	16	1099.4	2340	709.8	87	0	99	187
7/26/2024	17	1099.4	2330	709.5	87	0	99	187
7/26/2024	18	1099.4	2340	709.3	87	0	99	186
7/26/2024	19	1099.4	2360	709.3	88	0	98	186
7/26/2024	20	1099.4	2320	709.3	87	0	98	185
7/26/2024	21	1099.4	2330	709.3	87	0	98	184
7/26/2024	22	1099.4	2250	709.3	88	0	96	184
7/26/2024	23	1099.4	130	708.8	88	0	98	186
7/26/2024	24	1099.4	20	709.2	87	0	98	185
7/27/2024	1	1099.4	20	709.0	87	0	97	185
7/27/2024	2	1099.4	20	708.5	87	0	97	184
7/27/2024	3	1099.4	20	708.3	87	0	97	184
7/27/2024	4	1099.4	20	708.2	87	0	98	185
7/27/2024	5	1099.4	20	708.2	87	0	98	185
7/27/2024	6	1099.4	140	708.4	87	0	99	186
7/27/2024	7	1099.4	2290	708.9	86	0	99	186
7/27/2024	8	1099.4	2310	708.7	88	0	100	187
7/27/2024	9	1099.4	2300	708.6	88	0	99	187
7/27/2024	10	1099.4	2320	708.7	87	0	99	187
7/27/2024	11	1099.4	2340	708.9	87	0	99	186
7/27/2024	12	1099.4	2330	709.2	87	0	99	186
7/27/2024	13	1099.4	2330	709.8	88	0	101	188
7/27/2024	14	1099.4	2350	710.0	87	0	100	187
7/27/2024	15	1099.3	2310	709.9	87	0	100	187
7/27/2024	16	1099.3	2330	710.0	87	0	99	187
7/27/2024	17	1099.3	2330	710.0	87	0	101	188
7/27/2024	18	1099.3	2330	709.7	87	0	99	187
7/27/2024	19	1099.4	2350	709.9	87	0	98	185
7/27/2024	20	1099.4	2340	709.9	87	0	98	186

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)
7/27/2024	21	1099.4	2340	709.9	87	0	99	186
7/27/2024	22	1099.3	2330	710.0	87	0	98	185
7/27/2024	23	1099.4	790	709.7	88	0	99	187
7/27/2024	24	1099.3	10	709.3	87	0	97	185
7/28/2024	1	1099.4	10	708.9	88	0	98	185
7/28/2024	2	1099.4	10	708.1	88	0	96	184
7/28/2024	3	1099.4	10	707.6	88	0	96	184
7/28/2024	4	1099.4	10	707.5	87	0	97	184
7/28/2024	5	1099.4	10	707.5	87	0	97	184
7/28/2024	6	1099.4	20	707.3	87	0	96	183
7/28/2024	7	1099.4	20	707.4	87	0	96	183
7/28/2024	8	1099.4	20	707.3	87	0	96	183
7/28/2024	9	1099.4	20	707.6	87	0	96	183
7/28/2024	10	1099.4	20	707.8	87	0	97	184
7/28/2024	11	1099.4	20	708.1	87	0	98	185
7/28/2024	12	1099.4	20	708.1	87	0	99	186
7/28/2024	13	1099.4	20	707.8	87	0	99	186
7/28/2024	14	1099.4	20	707.7	87	0	98	184
7/28/2024	15	1099.4	20	707.9	87	0	97	184
7/28/2024	16	1099.4	20	708.0	88	0	97	185
7/28/2024	17	1099.4	20	708.2	88	0	96	184
7/28/2024	18	1099.4	20	708.3	88	0	96	184
7/28/2024	19	1099.4	20	708.5	88	0	96	184
7/28/2024	20	1099.4	20	708.1	88	0	96	184
7/28/2024	21	1099.4	20	707.8	88	0	96	183
7/28/2024	22	1099.4	20	707.7	88	0	97	184
7/28/2024	23	1099.4	20	707.7	88	0	96	184
7/28/2024	24	1099.4	20	707.5	87	0	97	184
7/29/2024	1	1099.4	20	707.3	87	0	96	183
7/29/2024	2	1099.4	20	707.3	87	0	95	183
7/29/2024	3	1099.4	20	707.3	88	0	96	183
7/29/2024	4	1099.4	20	707.5	88	0	96	183
7/29/2024	5	1099.4	20	707.4	88	0	96	184
7/29/2024	6	1099.4	230	707.7	88	0	96	184
7/29/2024	7	1099.4	2290	708.6	87	0	97	184
7/29/2024	8	1099.4	2310	708.6	87	0	97	185
7/29/2024	9	1099.4	2310	708.6	87	0	97	184
7/29/2024	10	1099.4	2310	708.6	87	0	98	185
7/29/2024	11	1099.4	2320	708.6	87	0	98	186
7/29/2024	12	1099.4	2340	708.6	87	0	99	186
7/29/2024	13	1099.4	2320	708.6	88	0	97	184
7/29/2024	14	1099.4	2340	708.7	87	0	95	183
7/29/2024	15	1099.4	2290	708.6	88	0	97	184
7/29/2024	16	1099.4	2310	708.7	87	0	96	184
7/29/2024	17	1099.4	2330	708.7	88	0	97	184
7/29/2024	18	1099.4	2330	708.9	87	0	97	184

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)
7/29/2024	19	1099.4	2340	708.8	87	0	96	183
7/29/2024	20	1099.4	2330	708.7	88	0	97	185
7/29/2024	21	1099.4	2330	708.6	87	0	97	184
7/29/2024	22	1099.4	2250	708.5	87	0	96	184
7/29/2024	23	1099.4	130	707.0	88	0	95	183
7/29/2024	24	1099.4	20	706.9	87	0	96	183
7/30/2024	1	1099.4	20	706.6	87	0	97	184
7/30/2024	2	1099.4	20	707.0	87	0	98	185
7/30/2024	3	1099.4	20	706.8	87	0	97	185
7/30/2024	4	1099.4	20	706.7	87	0	95	182
7/30/2024	5	1099.4	20	706.6	87	0	96	183
7/30/2024	6	1099.4	130	706.8	87	0	98	185
7/30/2024	7	1099.4	1230	707.5	87	0	98	185
7/30/2024	8	1099.4	1240	707.6	87	0	97	184
7/30/2024	9	1099.4	1230	707.7	87	0	97	184
7/30/2024	10	1099.4	1230	707.7	87	0	98	185
7/30/2024	11	1099.4	1230	707.7	87	0	98	185
7/30/2024	12	1099.4	1230	707.8	87	0	97	184
7/30/2024	13	1099.4	1220	707.7	87	0	96	183
7/30/2024	14	1099.4	1230	707.9	87	0	96	183
7/30/2024	15	1099.4	1210	707.9	87	0	96	183
7/30/2024	16	1099.4	1170	708.0	87	0	95	182
7/30/2024	17	1099.4	1160	708.0	87	0	96	182
7/30/2024	18	1099.4	1170	708.0	87	0	95	182
7/30/2024	19	1099.4	1170	708.0	87	0	95	182
7/30/2024	20	1099.4	1160	707.9	87	0	95	181
7/30/2024	21	1099.4	1160	707.8	87	0	95	182
7/30/2024	22	1099.4	1170	707.8	87	0	96	183
7/30/2024	23	1099.4	50	707.3	88	0	95	183
7/30/2024	24	1099.4	20	706.7	88	0	95	183
7/31/2024	1	1099.4	20	706.3	87	0	94	182
7/31/2024	2	1099.4	20	706.1	87	0	94	182
7/31/2024	3	1099.4	20	706.4	87	0	94	182
7/31/2024	4	1099.4	20	706.3	87	0	95	182
7/31/2024	5	1099.4	20	706.2	87	0	95	182
7/31/2024	6	1099.4	120	706.4	87	0	95	183
7/31/2024	7	1099.4	1190	707.5	87	0	96	183
7/31/2024	8	1099.4	1190	707.7	87	0	96	183
7/31/2024	9	1099.4	1200	707.8	87	0	96	183
7/31/2024	10	1099.4	1200	708.1	87	0	97	184
7/31/2024	11	1099.4	1200	708.5	87	0	98	185
7/31/2024	12	1099.4	1210	708.9	87	0	99	186
7/31/2024	13	1099.4	1210	709.3	87	0	99	186
7/31/2024	14	1099.4	1200	709.6	87	0	99	186
7/31/2024	15	1099.4	1200	709.1	87	0	98	185
7/31/2024	16	1099.4	1160	709.0	87	0	98	184

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)
7/31/2024	17	1099.4	1170	708.9	87	0	98	185
7/31/2024	18	1099.4	1160	709.0	87	0	97	184
7/31/2024	19	1099.4	1160	708.7	87	0	98	184
7/31/2024	20	1099.4	1150	708.5	88	0	98	185
7/31/2024	21	1099.4	1150	708.2	87	0	97	184
7/31/2024	22	1099.4	1150	707.9	87	0	96	183
7/31/2024	23	1099.4	30	707.0	88	0	96	184
7/31/2024	24	1099.4	20	707.1	88	0	96	184