

**From:** [Scott Hopkins](#)  
**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](#); [Meaghan Connell](#); [Laura Clark](#)  
**Subject:** 2023 Chelan River Flow Monitoring - September Reports  
**Date:** Friday, October 20, 2023 2:08:00 PM  
**Attachments:** [2023 Hourly Flow Data September Report.pdf](#)  
[image001.png](#)  
[2023 Daily Average Flow Data September Report.pdf](#)

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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](mailto:scott.hopkins@chelanpud.org)  
(509)661-4763

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

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Dear Chelan River Fishery Forum and Other Parties:

This email is to provide you, in the attached files, with the written flow information for September 2023. 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.
- Flows were increased to 375cfs on Saturday 16 September and 400cfs on Sunday 17 September to support the 2-day whitewater kayaking event. All ramping rates were adhered to when reducing flows following the event.

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)
9/1/2023	1099.2	768	708.1	85	0	0	85
9/2/2023	1099.2	767	708.3	85	0	37	122
9/3/2023	1099.2	10	708.1	85	0	49	135
9/4/2023	1099.3	10	707.9	85	0	49	134
9/5/2023	1099.2	768	707.7	85	0	49	135
9/6/2023	1099.2	764	707.5	85	0	49	134
9/7/2023	1099.1	869	707.5	85	0	49	135
9/8/2023	1099.1	1147	707.9	85	0	51	136
9/9/2023	1099.0	1147	707.7	85	0	51	136
9/10/2023	1099.0	1146	707.8	85	0	51	136
9/11/2023	1098.9	1147	707.9	94	0	18	112
9/12/2023	1098.9	1146	707.8	85	0	0	85
9/13/2023	1098.8	1147	707.7	85	0	0	85
9/14/2023	1098.8	1147	707.8	85	0	0	85
9/15/2023	1098.7	1158	707.7	85	0	0	85
9/16/2023	1098.6	1160	707.9	237	0	0	237
9/17/2023	1098.6	13	707.6	332	0	0	332
9/18/2023	1098.6	1509	708.1	200	0	0	200
9/19/2023	1098.5	1514	707.9	85	0	0	85
9/20/2023	1098.3	1508	708.0	85	0	0	85
9/21/2023	1098.3	1505	708.2	85	0	0	85
9/22/2023	1098.1	1822	708.1	85	0	0	85
9/23/2023	1098.0	1832	708.3	85	0	0	85
9/24/2023	1097.9	1050	707.5	85	0	0	85
9/25/2023	1097.9	1873	708.4	85	0	0	85
9/26/2023	1097.8	1857	708.4	85	0	25	111
9/27/2023	1097.7	1843	708.5	85	0	51	137
9/28/2023	1097.6	1858	708.7	85	0	74	159
9/29/2023	1097.6	1845	708.6	85	0	100	185
9/30/2023	1097.4	1846	708.7	85	0	100	185

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)
9/1/2023	1	1099.2	10	707.5	85	0	0	85
9/1/2023	2	1099.2	10	707.8	85	0	0	85
9/1/2023	3	1099.3	10	708.0	85	0	0	85
9/1/2023	4	1099.2	10	707.9	85	0	0	85
9/1/2023	5	1099.2	10	708.1	85	0	0	85
9/1/2023	6	1099.2	150	708.6	85	0	0	85
9/1/2023	7	1099.2	1150	709.0	85	0	0	85
9/1/2023	8	1099.2	1150	709.1	85	0	0	85
9/1/2023	9	1099.3	1140	709.3	85	0	0	85
9/1/2023	10	1099.2	1150	709.1	85	0	0	85
9/1/2023	11	1099.2	1140	708.8	85	0	0	85
9/1/2023	12	1099.2	1140	708.7	85	0	0	85
9/1/2023	13	1099.2	1140	708.7	86	0	0	86
9/1/2023	14	1099.2	1150	708.1	86	0	0	86
9/1/2023	15	1099.2	1150	708.0	86	0	0	86
9/1/2023	16	1099.2	1150	708.0	86	0	0	86
9/1/2023	17	1099.2	1140	707.8	86	0	0	86
9/1/2023	18	1099.2	1150	707.7	86	0	0	86
9/1/2023	19	1099.2	1140	707.8	85	0	0	85
9/1/2023	20	1099.2	1140	707.7	86	0	0	86
9/1/2023	21	1099.2	1150	707.7	85	0	0	85
9/1/2023	22	1099.2	1040	707.6	85	0	0	85
9/1/2023	23	1099.2	10	707.1	85	0	0	85
9/1/2023	24	1099.2	10	707.0	85	0	0	85
9/2/2023	1	1099.2	10	707.1	85	0	0	85
9/2/2023	2	1099.2	10	707.3	85	0	0	85
9/2/2023	3	1099.2	10	707.6	85	0	0	85
9/2/2023	4	1099.2	10	707.7	85	0	0	85
9/2/2023	5	1099.2	10	707.9	85	0	0	85
9/2/2023	6	1099.2	50	708.1	85	0	0	85
9/2/2023	7	1099.2	1150	708.4	85	0	26	111
9/2/2023	8	1099.2	1150	708.3	85	0	50	136
9/2/2023	9	1099.2	1150	708.4	85	0	51	136
9/2/2023	10	1099.2	1150	708.4	85	0	51	136
9/2/2023	11	1099.2	1150	708.3	85	0	51	136
9/2/2023	12	1099.2	1140	708.4	85	0	51	136
9/2/2023	13	1099.2	1150	708.3	85	0	50	135
9/2/2023	14	1099.2	1140	708.2	85	0	51	136
9/2/2023	15	1099.2	1150	708.5	85	0	50	135
9/2/2023	16	1099.2	1160	708.4	85	0	50	135
9/2/2023	17	1099.2	1160	708.4	85	0	50	135
9/2/2023	18	1099.2	1150	708.5	85	0	50	135
9/2/2023	19	1099.2	1140	708.9	85	0	50	135
9/2/2023	20	1099.2	1140	708.9	85	0	50	135
9/2/2023	21	1099.2	1150	709.0	85	0	50	136
9/2/2023	22	1099.2	1050	709.0	86	0	51	137

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)
9/2/2023	23	1099.2	10	708.6	86	0	51	136
9/2/2023	24	1099.2	10	708.1	85	0	50	135
9/3/2023	1	1099.2	10	707.2	85	0	50	135
9/3/2023	2	1099.2	10	707.7	85	0	50	135
9/3/2023	3	1099.2	10	707.9	85	0	50	136
9/3/2023	4	1099.2	10	707.4	85	0	50	135
9/3/2023	5	1099.2	10	707.4	85	0	50	136
9/3/2023	6	1099.2	10	707.6	85	0	50	135
9/3/2023	7	1099.2	10	707.5	85	0	50	135
9/3/2023	8	1099.2	10	707.8	85	0	51	136
9/3/2023	9	1099.2	10	708.0	85	0	51	136
9/3/2023	10	1099.2	10	707.8	85	0	51	136
9/3/2023	11	1099.2	10	707.9	85	0	50	135
9/3/2023	12	1099.2	10	707.9	85	0	50	135
9/3/2023	13	1099.2	10	708.0	85	0	50	135
9/3/2023	14	1099.2	10	708.2	85	0	49	134
9/3/2023	15	1099.2	10	708.1	85	0	48	133
9/3/2023	16	1099.3	10	708.1	86	0	48	134
9/3/2023	17	1099.3	10	708.5	86	0	48	134
9/3/2023	18	1099.2	10	709.0	86	0	48	133
9/3/2023	19	1099.2	10	709.2	86	0	48	134
9/3/2023	20	1099.3	10	709.6	86	0	49	135
9/3/2023	21	1099.3	10	709.1	86	0	49	134
9/3/2023	22	1099.3	10	709.0	85	0	49	134
9/3/2023	23	1099.2	10	708.4	85	0	48	134
9/3/2023	24	1099.3	10	708.0	85	0	50	135
9/4/2023	1	1099.3	10	707.1	85	0	48	133
9/4/2023	2	1099.3	10	707.0	85	0	48	133
9/4/2023	3	1099.3	10	707.1	85	0	48	133
9/4/2023	4	1099.3	10	707.4	85	0	48	133
9/4/2023	5	1099.3	10	707.1	85	0	49	134
9/4/2023	6	1099.2	10	707.2	85	0	49	134
9/4/2023	7	1099.3	10	707.7	85	0	49	134
9/4/2023	8	1099.3	10	708.1	85	0	49	134
9/4/2023	9	1099.3	10	708.3	85	0	50	135
9/4/2023	10	1099.3	10	708.2	85	0	50	135
9/4/2023	11	1099.3	10	708.5	85	0	50	135
9/4/2023	12	1099.3	10	708.5	85	0	51	136
9/4/2023	13	1099.3	10	708.4	85	0	50	135
9/4/2023	14	1099.3	10	708.2	85	0	50	135
9/4/2023	15	1099.3	10	708.2	85	0	50	135
9/4/2023	16	1099.3	10	708.2	86	0	50	135
9/4/2023	17	1099.3	10	708.1	86	0	49	135
9/4/2023	18	1099.3	10	708.1	85	0	50	135
9/4/2023	19	1099.3	10	708.3	85	0	49	135
9/4/2023	20	1099.3	10	708.3	85	0	50	135

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)
9/4/2023	21	1099.3	10	708.2	85	0	49	135
9/4/2023	22	1099.3	10	708.2	85	0	50	135
9/4/2023	23	1099.3	10	707.7	85	0	50	135
9/4/2023	24	1099.3	10	707.0	85	0	49	134
9/5/2023	1	1099.3	10	706.7	85	0	49	134
9/5/2023	2	1099.3	10	707.2	85	0	49	134
9/5/2023	3	1099.3	10	707.1	85	0	48	133
9/5/2023	4	1099.3	10	707.2	85	0	48	134
9/5/2023	5	1099.3	10	707.6	85	0	50	135
9/5/2023	6	1099.3	150	707.7	85	0	50	135
9/5/2023	7	1099.3	1140	708.9	85	0	51	136
9/5/2023	8	1099.2	1140	708.9	85	0	50	135
9/5/2023	9	1099.2	1150	709.2	85	0	51	136
9/5/2023	10	1099.2	1160	709.3	85	0	52	136
9/5/2023	11	1099.2	1150	709.0	85	0	52	137
9/5/2023	12	1099.2	1150	708.7	85	0	52	137
9/5/2023	13	1099.2	1150	708.1	85	0	50	135
9/5/2023	14	1099.2	1150	707.8	85	0	49	134
9/5/2023	15	1099.2	1150	707.6	85	0	49	134
9/5/2023	16	1099.2	1150	707.5	85	0	50	135
9/5/2023	17	1099.2	1150	707.4	86	0	49	135
9/5/2023	18	1099.2	1160	707.5	86	0	49	134
9/5/2023	19	1099.2	1140	707.6	86	0	48	134
9/5/2023	20	1099.2	1140	707.5	86	0	48	134
9/5/2023	21	1099.2	1140	707.3	86	0	47	133
9/5/2023	22	1099.2	980	707.2	86	0	48	134
9/5/2023	23	1099.2	10	706.4	85	0	48	133
9/5/2023	24	1099.2	10	706.1	85	0	47	132
9/6/2023	1	1099.2	10	706.4	85	0	48	133
9/6/2023	2	1099.2	0	706.5	85	0	49	134
9/6/2023	3	1099.2	10	706.6	85	0	48	133
9/6/2023	4	1099.2	0	706.5	85	0	49	134
9/6/2023	5	1099.2	20	706.7	85	0	49	134
9/6/2023	6	1099.2	100	706.9	85	0	49	134
9/6/2023	7	1099.2	1140	707.6	85	0	49	134
9/6/2023	8	1099.2	1140	707.9	85	0	50	135
9/6/2023	9	1099.2	1150	707.8	85	0	50	135
9/6/2023	10	1099.2	1150	708.1	85	0	50	135
9/6/2023	11	1099.2	1150	708.4	85	0	50	136
9/6/2023	12	1099.1	1150	708.5	85	0	51	136
9/6/2023	13	1099.2	1160	708.4	85	0	52	137
9/6/2023	14	1099.2	1150	708.5	85	0	51	136
9/6/2023	15	1099.2	1150	708.4	85	0	50	135
9/6/2023	16	1099.2	1160	708.5	85	0	50	135
9/6/2023	17	1099.2	1160	708.4	85	0	50	135
9/6/2023	18	1099.2	1160	707.8	85	0	49	134

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)
9/6/2023	19	1099.2	1140	707.8	86	0	48	134
9/6/2023	20	1099.2	1150	707.7	86	0	48	133
9/6/2023	21	1099.2	1140	707.5	85	0	48	133
9/6/2023	22	1099.2	930	707.3	85	0	47	133
9/6/2023	23	1099.2	10	706.3	85	0	47	132
9/6/2023	24	1099.2	10	706.3	85	0	48	132
9/7/2023	1	1099.2	10	706.9	85	0	48	133
9/7/2023	2	1099.2	10	706.5	85	0	48	133
9/7/2023	3	1099.2	10	706.4	85	0	48	133
9/7/2023	4	1099.2	10	706.8	85	0	49	134
9/7/2023	5	1099.2	10	707.0	85	0	50	135
9/7/2023	6	1099.2	150	706.8	85	0	49	134
9/7/2023	7	1099.2	1140	707.7	85	0	50	135
9/7/2023	8	1099.2	1150	708.0	86	0	50	136
9/7/2023	9	1099.2	1140	707.7	86	0	49	135
9/7/2023	10	1099.1	1150	707.8	86	0	50	135
9/7/2023	11	1099.1	1150	707.9	86	0	49	135
9/7/2023	12	1099.1	1160	707.8	85	0	50	135
9/7/2023	13	1099.1	1150	707.8	85	0	50	135
9/7/2023	14	1099.1	1160	707.8	85	0	50	135
9/7/2023	15	1099.1	1160	707.9	85	0	51	136
9/7/2023	16	1099.1	1150	707.9	85	0	51	136
9/7/2023	17	1099.1	1160	708.2	85	0	51	136
9/7/2023	18	1099.1	1150	708.0	85	0	50	135
9/7/2023	19	1099.1	1140	707.7	85	0	49	134
9/7/2023	20	1099.1	1140	707.6	85	0	49	135
9/7/2023	21	1099.1	1140	707.5	85	0	49	134
9/7/2023	22	1099.1	1140	707.4	85	0	48	134
9/7/2023	23	1099.1	1140	707.4	85	0	49	135
9/7/2023	24	1099.1	1140	707.5	85	0	49	134
9/8/2023	1	1099.1	1150	707.6	85	0	50	135
9/8/2023	2	1099.1	1150	707.7	85	0	50	135
9/8/2023	3	1099.1	1140	707.6	85	0	49	134
9/8/2023	4	1099.1	1150	707.7	85	0	50	135
9/8/2023	5	1099.1	1150	707.9	85	0	51	135
9/8/2023	6	1099.1	1160	708.0	85	0	50	135
9/8/2023	7	1099.1	1140	708.1	85	0	51	136
9/8/2023	8	1099.1	1100	707.8	85	0	50	136
9/8/2023	9	1099.1	1150	708.0	85	0	50	135
9/8/2023	10	1099.1	1150	708.5	85	0	51	136
9/8/2023	11	1099.1	1150	708.1	85	0	51	136
9/8/2023	12	1099.1	1150	707.8	85	0	50	135
9/8/2023	13	1099.1	1150	707.9	85	0	52	137
9/8/2023	14	1099.0	1150	707.9	85	0	52	137
9/8/2023	15	1099.0	1150	707.8	85	0	52	137
9/8/2023	16	1099.0	1150	708.0	85	0	52	137

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)
9/8/2023	17	1099.0	1160	708.0	85	0	52	137
9/8/2023	18	1099.0	1150	708.1	85	0	52	137
9/8/2023	19	1099.0	1150	708.1	85	0	52	137
9/8/2023	20	1099.1	1150	708.1	85	0	52	137
9/8/2023	21	1099.0	1150	707.8	85	0	51	135
9/8/2023	22	1099.0	1140	707.8	85	0	50	135
9/8/2023	23	1099.0	1150	707.8	85	0	51	136
9/8/2023	24	1099.0	1140	707.7	85	0	50	135
9/9/2023	1	1099.0	1150	707.6	85	0	50	135
9/9/2023	2	1099.0	1140	707.5	85	0	50	136
9/9/2023	3	1099.0	1140	707.6	85	0	50	135
9/9/2023	4	1099.0	1150	707.6	85	0	50	135
9/9/2023	5	1099.0	1150	707.6	85	0	51	136
9/9/2023	6	1099.0	1150	707.7	85	0	51	136
9/9/2023	7	1099.0	1140	707.8	85	0	51	136
9/9/2023	8	1099.0	1140	707.9	85	0	51	136
9/9/2023	9	1099.0	1140	707.8	85	0	51	135
9/9/2023	10	1099.0	1150	707.9	85	0	52	137
9/9/2023	11	1099.0	1150	708.1	85	0	51	136
9/9/2023	12	1099.0	1150	707.8	85	0	51	135
9/9/2023	13	1099.0	1150	707.8	85	0	51	136
9/9/2023	14	1099.0	1150	707.7	85	0	52	137
9/9/2023	15	1099.0	1160	707.5	85	0	51	136
9/9/2023	16	1099.0	1150	707.6	85	0	51	136
9/9/2023	17	1099.0	1150	707.7	85	0	51	136
9/9/2023	18	1099.0	1150	707.8	85	0	50	135
9/9/2023	19	1099.0	1140	707.9	85	0	50	135
9/9/2023	20	1099.0	1150	707.7	85	0	50	136
9/9/2023	21	1099.0	1150	707.6	85	0	50	136
9/9/2023	22	1099.0	1140	707.6	85	0	51	136
9/9/2023	23	1099.0	1140	707.6	85	0	50	135
9/9/2023	24	1099.0	1140	707.4	85	0	50	135
9/10/2023	1	1099.0	1140	707.4	85	0	50	135
9/10/2023	2	1099.0	1140	707.6	85	0	50	135
9/10/2023	3	1099.0	1150	707.5	85	0	50	135
9/10/2023	4	1099.0	1140	707.4	85	0	50	135
9/10/2023	5	1099.0	1140	707.7	86	0	50	136
9/10/2023	6	1099.0	1150	707.8	86	0	50	136
9/10/2023	7	1099.0	1150	707.8	85	0	51	136
9/10/2023	8	1099.0	1140	708.1	85	0	50	135
9/10/2023	9	1099.0	1150	708.5	85	0	51	136
9/10/2023	10	1099.0	1150	708.5	85	0	51	136
9/10/2023	11	1099.0	1150	708.3	85	0	52	137
9/10/2023	12	1099.0	1160	708.4	85	0	51	136
9/10/2023	13	1099.0	1140	708.4	85	0	51	136
9/10/2023	14	1099.0	1150	708.0	85	0	51	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)
9/10/2023	15	1099.0	1150	707.8	85	0	51	136
9/10/2023	16	1099.0	1150	707.9	86	0	51	137
9/10/2023	17	1099.0	1150	708.0	86	0	52	137
9/10/2023	18	1099.0	1150	708.1	86	0	52	137
9/10/2023	19	1099.0	1150	707.9	86	0	51	136
9/10/2023	20	1099.0	1140	707.5	86	0	50	136
9/10/2023	21	1099.0	1140	707.4	86	0	50	136
9/10/2023	22	1099.0	1140	707.5	86	0	50	136
9/10/2023	23	1099.0	1140	707.5	85	0	50	135
9/10/2023	24	1099.0	1140	707.4	85	0	49	134
9/11/2023	1	1099.0	1140	707.4	85	0	50	134
9/11/2023	2	1099.0	1150	707.6	85	0	51	135
9/11/2023	3	1099.0	1150	707.5	85	0	50	135
9/11/2023	4	1098.9	1150	707.5	85	0	50	135
9/11/2023	5	1098.9	1150	707.7	85	0	50	135
9/11/2023	6	1099.0	1150	707.7	85	0	50	135
9/11/2023	7	1098.9	1140	707.9	108	0	50	159
9/11/2023	8	1099.0	1140	708.3	125	0	50	175
9/11/2023	9	1098.9	1150	708.1	125	0	29	154
9/11/2023	10	1098.9	1150	708.3	125	0	4	129
9/11/2023	11	1098.9	1140	708.4	125	0	0	125
9/11/2023	12	1098.9	1140	708.5	111	0	0	111
9/11/2023	13	1098.9	1150	708.5	94	0	0	94
9/11/2023	14	1098.9	1160	708.3	87	0	0	87
9/11/2023	15	1098.9	1140	708.1	85	0	0	85
9/11/2023	16	1098.9	1160	708.1	85	0	0	85
9/11/2023	17	1098.9	1150	708.2	85	0	0	85
9/11/2023	18	1098.9	1140	708.1	86	0	0	86
9/11/2023	19	1098.9	1150	707.8	86	0	0	86
9/11/2023	20	1098.9	1150	707.7	86	0	0	86
9/11/2023	21	1098.9	1140	707.7	85	0	0	85
9/11/2023	22	1098.9	1150	707.7	85	0	0	85
9/11/2023	23	1098.9	1140	707.9	85	0	0	85
9/11/2023	24	1098.9	1150	707.8	85	0	0	85
9/12/2023	1	1098.9	1150	707.7	85	0	0	85
9/12/2023	2	1098.9	1140	707.8	85	0	0	85
9/12/2023	3	1098.9	1140	707.8	85	0	0	85
9/12/2023	4	1098.9	1150	707.9	85	0	0	85
9/12/2023	5	1098.9	1150	708.0	85	0	0	85
9/12/2023	6	1098.9	1160	708.1	85	0	0	85
9/12/2023	7	1098.9	1150	708.2	85	0	0	85
9/12/2023	8	1098.9	1140	708.4	85	0	0	85
9/12/2023	9	1098.9	1150	707.9	85	0	0	85
9/12/2023	10	1098.9	1140	707.9	85	0	0	85
9/12/2023	11	1098.9	1150	707.9	86	0	0	86
9/12/2023	12	1098.9	1140	707.8	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)
9/12/2023	13	1098.9	1150	707.8	85	0	0	85
9/12/2023	14	1098.9	1150	707.8	85	0	0	85
9/12/2023	15	1098.9	1150	707.8	85	0	0	85
9/12/2023	16	1098.9	1150	707.8	86	0	0	86
9/12/2023	17	1098.9	1150	707.8	86	0	0	86
9/12/2023	18	1098.9	1150	707.7	85	0	0	85
9/12/2023	19	1098.9	1140	707.8	85	0	0	85
9/12/2023	20	1098.9	1140	707.6	86	0	0	86
9/12/2023	21	1098.9	1140	707.5	86	0	0	86
9/12/2023	22	1098.9	1140	707.5	86	0	0	86
9/12/2023	23	1098.9	1150	707.5	85	0	0	85
9/12/2023	24	1098.9	1140	707.4	86	0	0	86
9/13/2023	1	1098.9	1150	707.4	86	0	0	86
9/13/2023	2	1098.9	1150	707.5	85	0	0	85
9/13/2023	3	1098.9	1140	707.6	85	0	0	85
9/13/2023	4	1098.9	1150	707.6	85	0	0	85
9/13/2023	5	1098.9	1150	707.7	86	0	0	86
9/13/2023	6	1098.9	1160	707.9	85	0	0	85
9/13/2023	7	1098.9	1150	708.0	85	0	0	85
9/13/2023	8	1098.9	1140	708.2	85	0	0	85
9/13/2023	9	1098.9	1140	707.9	85	0	0	85
9/13/2023	10	1098.9	1140	708.0	85	0	0	85
9/13/2023	11	1098.8	1150	708.1	85	0	0	85
9/13/2023	12	1098.8	1150	708.2	85	0	0	85
9/13/2023	13	1098.8	1140	708.0	85	0	0	85
9/13/2023	14	1098.8	1150	708.0	86	0	0	86
9/13/2023	15	1098.8	1140	707.8	85	0	0	85
9/13/2023	16	1098.8	1150	707.6	86	0	0	86
9/13/2023	17	1098.8	1150	707.5	85	0	0	85
9/13/2023	18	1098.8	1160	707.6	86	0	0	86
9/13/2023	19	1098.8	1150	707.6	85	0	0	85
9/13/2023	20	1098.8	1140	707.5	85	0	0	85
9/13/2023	21	1098.8	1150	707.6	85	0	0	85
9/13/2023	22	1098.8	1150	707.7	86	0	0	86
9/13/2023	23	1098.8	1130	707.5	85	0	0	85
9/13/2023	24	1098.8	1140	707.4	85	0	0	85
9/14/2023	1	1098.8	1150	707.5	85	0	0	85
9/14/2023	2	1098.8	1140	707.5	85	0	0	85
9/14/2023	3	1098.8	1140	707.5	85	0	0	85
9/14/2023	4	1098.8	1150	707.6	85	0	0	85
9/14/2023	5	1098.8	1150	707.6	85	0	0	85
9/14/2023	6	1098.8	1140	707.7	85	0	0	85
9/14/2023	7	1098.8	1150	707.8	85	0	0	85
9/14/2023	8	1098.8	1140	708.1	85	0	0	85
9/14/2023	9	1098.8	1130	707.7	85	0	0	85
9/14/2023	10	1098.8	1150	708.1	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)
9/14/2023	11	1098.8	1150	708.5	85	0	0	85
9/14/2023	12	1098.8	1150	708.2	85	0	0	85
9/14/2023	13	1098.8	1150	708.1	85	0	0	85
9/14/2023	14	1098.8	1170	708.5	85	0	0	85
9/14/2023	15	1098.7	1160	708.5	85	0	0	85
9/14/2023	16	1098.7	1150	708.3	85	0	0	85
9/14/2023	17	1098.7	1160	708.2	85	0	0	85
9/14/2023	18	1098.7	1150	707.9	85	0	0	85
9/14/2023	19	1098.7	1140	707.8	85	0	0	85
9/14/2023	20	1098.7	1140	707.5	85	0	0	85
9/14/2023	21	1098.7	1140	707.4	85	0	0	85
9/14/2023	22	1098.7	1140	707.5	85	0	0	85
9/14/2023	23	1098.7	1140	707.5	85	0	0	85
9/14/2023	24	1098.7	1140	707.3	85	0	0	85
9/15/2023	1	1098.7	1150	707.3	85	0	0	85
9/15/2023	2	1098.7	1140	707.4	85	0	0	85
9/15/2023	3	1098.7	1140	707.4	85	0	0	85
9/15/2023	4	1098.7	1140	707.4	85	0	0	85
9/15/2023	5	1098.7	1150	707.4	85	0	0	85
9/15/2023	6	1098.7	1140	707.5	85	0	0	85
9/15/2023	7	1098.7	1150	707.7	85	0	0	85
9/15/2023	8	1098.7	1140	707.7	85	0	0	85
9/15/2023	9	1098.7	1140	707.5	85	0	0	85
9/15/2023	10	1098.7	1150	707.8	85	0	0	85
9/15/2023	11	1098.7	1150	708.0	85	0	0	85
9/15/2023	12	1098.7	1150	707.8	85	0	0	85
9/15/2023	13	1098.7	1180	707.9	85	0	0	85
9/15/2023	14	1098.7	1150	708.2	85	0	0	85
9/15/2023	15	1098.7	1160	708.3	85	0	0	85
9/15/2023	16	1098.7	1150	708.1	86	0	0	86
9/15/2023	17	1098.7	1240	708.2	86	0	0	86
9/15/2023	18	1098.7	1230	708.0	85	0	0	85
9/15/2023	19	1098.7	1210	708.1	85	0	0	85
9/15/2023	20	1098.7	1140	707.6	85	0	0	85
9/15/2023	21	1098.7	1140	707.4	85	0	0	85
9/15/2023	22	1098.7	1150	707.4	85	0	0	85
9/15/2023	23	1098.7	1160	707.3	85	0	0	85
9/15/2023	24	1098.7	1140	707.3	85	0	0	85
9/16/2023	1	1098.7	1150	707.4	85	0	0	85
9/16/2023	2	1098.7	1140	707.4	85	0	0	85
9/16/2023	3	1098.7	1140	707.4	85	0	0	85
9/16/2023	4	1098.7	1150	707.5	85	0	0	85
9/16/2023	5	1098.6	1140	707.6	85	0	0	85
9/16/2023	6	1098.6	1170	707.6	85	0	0	85
9/16/2023	7	1098.6	1230	707.7	85	0	0	85
9/16/2023	8	1098.6	1160	707.7	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)
9/16/2023	9	1098.6	1150	707.7	85	0	0	85
9/16/2023	10	1098.6	1150	707.8	85	0	0	85
9/16/2023	11	1098.6	1150	707.9	346	0	0	346
9/16/2023	12	1098.6	1230	708.1	376	0	0	376
9/16/2023	13	1098.6	1210	708.5	376	0	0	376
9/16/2023	14	1098.6	1240	708.6	376	0	0	376
9/16/2023	15	1098.6	1160	708.9	376	0	0	376
9/16/2023	16	1098.6	1170	708.6	376	0	0	376
9/16/2023	17	1098.6	1230	708.5	362	0	0	362
9/16/2023	18	1098.6	1230	708.2	342	0	0	342
9/16/2023	19	1098.6	1140	708.2	322	0	0	322
9/16/2023	20	1098.6	1140	707.8	316	0	0	316
9/16/2023	21	1098.6	1140	707.5	316	0	0	316
9/16/2023	22	1098.6	1140	707.5	316	0	0	316
9/16/2023	23	1098.6	920	707.3	316	0	0	316
9/16/2023	24	1098.6	1150	707.6	317	0	0	317
9/17/2023	1	1098.6	80	707.1	316	0	0	316
9/17/2023	2	1098.6	10	707.1	316	0	0	316
9/17/2023	3	1098.6	10	707.3	316	0	0	316
9/17/2023	4	1098.6	10	707.5	316	0	0	316
9/17/2023	5	1098.6	10	707.6	316	0	0	316
9/17/2023	6	1098.6	10	707.5	315	0	0	315
9/17/2023	7	1098.6	10	707.6	294	0	0	294
9/17/2023	8	1098.6	10	707.9	274	0	0	274
9/17/2023	9	1098.6	10	707.9	254	0	0	254
9/17/2023	10	1098.6	10	707.9	236	0	0	236
9/17/2023	11	1098.6	10	708.1	401	0	0	401
9/17/2023	12	1098.6	10	708.2	401	0	0	401
9/17/2023	13	1098.6	10	708.1	400	0	0	400
9/17/2023	14	1098.6	10	708.1	400	0	0	400
9/17/2023	15	1098.6	10	708.2	400	0	0	400
9/17/2023	16	1098.6	10	708.0	384	0	0	384
9/17/2023	17	1098.6	10	708.0	363	0	0	363
9/17/2023	18	1098.6	10	708.1	343	0	0	343
9/17/2023	19	1098.6	10	707.9	325	0	0	325
9/17/2023	20	1098.6	10	707.7	320	0	0	320
9/17/2023	21	1098.6	10	707.2	320	0	0	320
9/17/2023	22	1098.6	10	706.9	320	0	0	320
9/17/2023	23	1098.6	10	706.7	320	0	0	320
9/17/2023	24	1098.6	10	706.9	320	0	0	320
9/18/2023	1	1098.6	10	707.1	320	0	0	320
9/18/2023	2	1098.6	10	707.1	320	0	0	320
9/18/2023	3	1098.6	10	707.3	320	0	0	320
9/18/2023	4	1098.6	10	707.1	320	0	0	320
9/18/2023	5	1098.6	10	707.4	320	0	0	320
9/18/2023	6	1098.6	230	708.0	318	0	0	318

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)
9/18/2023	7	1098.6	2250	708.9	298	0	0	298
9/18/2023	8	1098.6	2230	708.9	277	0	0	277
9/18/2023	9	1098.6	2220	708.7	257	0	0	257
9/18/2023	10	1098.6	2220	708.7	237	0	0	237
9/18/2023	11	1098.6	2230	708.7	217	0	0	217
9/18/2023	12	1098.6	2250	708.7	201	0	0	201
9/18/2023	13	1098.6	2270	708.7	186	0	0	186
9/18/2023	14	1098.6	2270	708.7	170	0	0	170
9/18/2023	15	1098.6	2250	708.6	154	0	0	154
9/18/2023	16	1098.6	2250	708.6	138	0	0	138
9/18/2023	17	1098.6	2270	708.6	123	0	0	123
9/18/2023	18	1098.6	2280	708.6	107	0	0	107
9/18/2023	19	1098.6	2250	708.5	90	0	0	90
9/18/2023	20	1098.5	2240	708.5	86	0	0	86
9/18/2023	21	1098.5	2230	708.5	85	0	0	85
9/18/2023	22	1098.5	2160	708.4	85	0	0	85
9/18/2023	23	1098.5	60	706.1	85	0	0	85
9/18/2023	24	1098.6	10	706.2	85	0	0	85
9/19/2023	1	1098.5	10	706.5	85	0	0	85
9/19/2023	2	1098.5	10	706.2	85	0	0	85
9/19/2023	3	1098.5	10	706.1	85	0	0	85
9/19/2023	4	1098.5	10	706.5	85	0	0	85
9/19/2023	5	1098.5	10	706.7	85	0	0	85
9/19/2023	6	1098.5	200	706.7	85	0	0	85
9/19/2023	7	1098.5	2240	708.5	85	0	0	85
9/19/2023	8	1098.5	2220	708.6	85	0	0	85
9/19/2023	9	1098.5	2220	708.6	85	0	0	85
9/19/2023	10	1098.5	2260	708.6	86	0	0	86
9/19/2023	11	1098.5	2230	708.6	85	0	0	85
9/19/2023	12	1098.5	2250	708.8	85	0	0	85
9/19/2023	13	1098.5	2270	708.7	85	0	0	85
9/19/2023	14	1098.5	2270	708.7	85	0	0	85
9/19/2023	15	1098.5	2250	708.6	85	0	0	85
9/19/2023	16	1098.5	2250	708.6	85	0	0	85
9/19/2023	17	1098.5	2260	708.6	85	0	0	85
9/19/2023	18	1098.4	2270	708.6	85	0	0	85
9/19/2023	19	1098.5	2230	708.5	85	0	0	85
9/19/2023	20	1098.5	2230	708.5	85	0	0	85
9/19/2023	21	1098.4	2250	708.5	85	0	0	85
9/19/2023	22	1098.4	2250	708.5	85	0	0	85
9/19/2023	23	1098.4	120	706.6	86	0	0	86
9/19/2023	24	1098.4	10	706.2	85	0	0	85
9/20/2023	1	1098.4	10	706.3	85	0	0	85
9/20/2023	2	1098.4	10	706.4	85	0	0	85
9/20/2023	3	1098.4	10	706.4	85	0	0	85
9/20/2023	4	1098.4	10	706.5	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)
9/20/2023	5	1098.4	10	706.4	85	0	0	85
9/20/2023	6	1098.4	120	706.7	85	0	0	85
9/20/2023	7	1098.4	2240	708.4	85	0	0	85
9/20/2023	8	1098.4	2250	708.6	85	0	0	85
9/20/2023	9	1098.4	2220	708.6	86	0	0	86
9/20/2023	10	1098.4	2250	708.8	85	0	0	85
9/20/2023	11	1098.3	2260	709.0	86	0	0	86
9/20/2023	12	1098.4	2250	709.0	86	0	0	86
9/20/2023	13	1098.3	2230	708.9	86	0	0	86
9/20/2023	14	1098.3	2260	709.1	85	0	0	85
9/20/2023	15	1098.3	2220	709.2	85	0	0	85
9/20/2023	16	1098.3	2250	709.0	85	0	0	85
9/20/2023	17	1098.3	2250	709.0	86	0	0	86
9/20/2023	18	1098.3	2240	709.0	86	0	0	86
9/20/2023	19	1098.3	2240	708.7	85	0	0	85
9/20/2023	20	1098.3	2230	708.6	85	0	0	85
9/20/2023	21	1098.3	2230	708.6	85	0	0	85
9/20/2023	22	1098.3	2230	708.6	85	0	0	85
9/20/2023	23	1098.3	150	706.7	86	0	0	86
9/20/2023	24	1098.3	10	706.7	86	0	0	86
9/21/2023	1	1098.3	10	707.3	85	0	0	85
9/21/2023	2	1098.3	10	707.2	85	0	0	85
9/21/2023	3	1098.3	10	707.0	85	0	0	85
9/21/2023	4	1098.3	0	707.4	85	0	0	85
9/21/2023	5	1098.3	10	707.7	85	0	0	85
9/21/2023	6	1098.3	10	707.4	85	0	0	85
9/21/2023	7	1098.3	1270	708.4	85	0	0	85
9/21/2023	8	1098.3	2160	708.9	85	0	0	85
9/21/2023	9	1098.3	2170	708.6	85	0	0	85
9/21/2023	10	1098.3	2160	708.6	85	0	0	85
9/21/2023	11	1098.3	2170	708.7	85	0	0	85
9/21/2023	12	1098.3	2170	708.7	85	0	0	85
9/21/2023	13	1098.3	2180	708.7	85	0	0	85
9/21/2023	14	1098.2	2190	708.6	86	0	0	86
9/21/2023	15	1098.2	2170	708.6	85	0	0	85
9/21/2023	16	1098.2	2190	708.6	86	0	0	86
9/21/2023	17	1098.2	2220	708.6	85	0	0	85
9/21/2023	18	1098.2	2220	708.5	85	0	0	85
9/21/2023	19	1098.2	2170	708.5	85	0	0	85
9/21/2023	20	1098.2	2190	708.5	85	0	0	85
9/21/2023	21	1098.2	2190	708.5	85	0	0	85
9/21/2023	22	1098.2	2160	708.5	85	0	0	85
9/21/2023	23	1098.2	1050	707.4	85	0	0	85
9/21/2023	24	1098.2	1040	707.3	85	0	0	85
9/22/2023	1	1098.2	1050	707.4	85	0	0	85
9/22/2023	2	1098.2	1050	707.3	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)
9/22/2023	3	1098.2	1040	707.3	85	0	0	85
9/22/2023	4	1098.2	1040	707.3	85	0	0	85
9/22/2023	5	1098.2	1040	707.4	85	0	0	85
9/22/2023	6	1098.2	1040	707.4	85	0	0	85
9/22/2023	7	1098.2	1870	708.2	85	0	0	85
9/22/2023	8	1098.2	2240	708.7	85	0	0	85
9/22/2023	9	1098.1	2230	708.5	85	0	0	85
9/22/2023	10	1098.2	2220	708.5	85	0	0	85
9/22/2023	11	1098.1	2240	708.6	85	0	0	85
9/22/2023	12	1098.1	2240	708.5	85	0	0	85
9/22/2023	13	1098.1	2250	708.5	86	0	0	86
9/22/2023	14	1098.1	2230	708.5	85	0	0	85
9/22/2023	15	1098.1	2260	708.5	85	0	0	85
9/22/2023	16	1098.1	2240	708.5	85	0	0	85
9/22/2023	17	1098.1	2260	708.5	85	0	0	85
9/22/2023	18	1098.1	2240	708.5	85	0	0	85
9/22/2023	19	1098.1	2220	708.5	85	0	0	85
9/22/2023	20	1098.1	2230	708.5	85	0	0	85
9/22/2023	21	1098.1	2250	708.5	85	0	0	85
9/22/2023	22	1098.1	2130	708.5	85	0	0	85
9/22/2023	23	1098.0	1060	707.5	85	0	0	85
9/22/2023	24	1098.1	1060	707.5	85	0	0	85
9/23/2023	1	1098.1	1060	707.6	85	0	0	85
9/23/2023	2	1098.0	1060	707.6	85	0	0	85
9/23/2023	3	1098.0	1050	707.5	85	0	0	85
9/23/2023	4	1098.0	1060	707.6	85	0	0	85
9/23/2023	5	1098.1	1070	707.8	85	0	0	85
9/23/2023	6	1098.0	1100	707.9	85	0	0	85
9/23/2023	7	1098.0	2240	708.7	85	0	0	85
9/23/2023	8	1098.0	2220	708.9	85	0	0	85
9/23/2023	9	1098.0	2230	708.9	85	0	0	85
9/23/2023	10	1098.0	2220	709.0	85	0	0	85
9/23/2023	11	1098.0	2230	709.0	85	0	0	85
9/23/2023	12	1098.0	2230	708.8	85	0	0	85
9/23/2023	13	1098.0	2200	708.8	85	0	0	85
9/23/2023	14	1098.0	2210	708.7	86	0	0	86
9/23/2023	15	1098.0	2200	708.7	85	0	0	85
9/23/2023	16	1098.0	2210	708.6	85	0	0	85
9/23/2023	17	1098.0	2220	708.7	85	0	0	85
9/23/2023	18	1098.0	2240	708.7	85	0	0	85
9/23/2023	19	1098.0	2200	708.6	86	0	0	86
9/23/2023	20	1098.0	2190	708.5	85	0	0	85
9/23/2023	21	1098.0	2200	708.5	85	0	0	85
9/23/2023	22	1098.0	2180	708.5	85	0	0	85
9/23/2023	23	1098.0	1100	707.4	85	0	0	85
9/23/2023	24	1098.0	1050	707.2	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)
9/24/2023	1	1098.0	1060	707.3	86	0	0	86
9/24/2023	2	1098.0	1050	707.3	85	0	0	85
9/24/2023	3	1098.0	1040	707.2	86	0	0	86
9/24/2023	4	1098.0	1050	707.3	85	0	0	85
9/24/2023	5	1098.0	1050	707.5	85	0	0	85
9/24/2023	6	1098.0	1060	707.4	85	0	0	85
9/24/2023	7	1098.0	1050	707.5	85	0	0	85
9/24/2023	8	1098.0	1050	707.5	85	0	0	85
9/24/2023	9	1098.0	1050	707.5	85	0	0	85
9/24/2023	10	1098.0	1050	707.5	85	0	0	85
9/24/2023	11	1097.9	1050	707.6	85	0	0	85
9/24/2023	12	1097.9	1050	707.7	85	0	0	85
9/24/2023	13	1097.9	1050	707.6	85	0	0	85
9/24/2023	14	1097.9	1050	707.6	86	0	0	86
9/24/2023	15	1097.9	1050	707.8	86	0	0	86
9/24/2023	16	1097.9	1060	707.8	85	0	0	85
9/24/2023	17	1097.9	1060	707.7	85	0	0	85
9/24/2023	18	1097.9	1060	707.6	85	0	0	85
9/24/2023	19	1097.9	1050	707.7	85	0	0	85
9/24/2023	20	1097.9	1040	707.5	85	0	0	85
9/24/2023	21	1097.9	1050	707.4	85	0	0	85
9/24/2023	22	1097.9	1050	707.6	85	0	0	85
9/24/2023	23	1097.9	1040	707.6	85	0	0	85
9/24/2023	24	1097.9	1040	707.5	85	0	0	85
9/25/2023	1	1097.9	1050	707.7	85	0	0	85
9/25/2023	2	1097.9	1050	707.7	85	0	0	85
9/25/2023	3	1097.9	1050	707.7	85	0	0	85
9/25/2023	4	1097.9	1060	707.7	85	0	0	85
9/25/2023	5	1097.9	1050	707.6	85	0	0	85
9/25/2023	6	1097.9	1190	707.8	85	0	0	85
9/25/2023	7	1097.9	2240	708.6	85	0	0	85
9/25/2023	8	1097.9	2220	708.6	85	0	0	85
9/25/2023	9	1097.9	2250	708.6	85	0	0	85
9/25/2023	10	1097.9	2230	708.7	85	0	0	85
9/25/2023	11	1097.9	2260	708.9	85	0	0	85
9/25/2023	12	1097.9	2250	709.0	85	0	0	85
9/25/2023	13	1097.9	2240	708.9	85	0	0	85
9/25/2023	14	1097.9	2230	708.8	85	0	0	85
9/25/2023	15	1097.9	2250	708.8	85	0	0	85
9/25/2023	16	1097.9	2260	708.8	85	0	0	85
9/25/2023	17	1097.8	2270	708.7	85	0	0	85
9/25/2023	18	1097.8	2260	708.8	85	0	0	85
9/25/2023	19	1097.8	2230	708.6	85	0	0	85
9/25/2023	20	1097.9	2230	708.5	85	0	0	85
9/25/2023	21	1097.8	2240	708.5	85	0	0	85
9/25/2023	22	1097.9	2230	708.5	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)
9/25/2023	23	1097.9	1560	708.0	86	0	0	86
9/25/2023	24	1097.9	1060	707.4	85	0	0	85
9/26/2023	1	1097.9	1060	707.4	85	0	0	85
9/26/2023	2	1097.8	1060	707.4	85	0	0	85
9/26/2023	3	1097.9	1060	707.5	86	0	0	86
9/26/2023	4	1097.9	1060	707.5	86	0	0	86
9/26/2023	5	1097.8	1070	707.6	86	0	0	86
9/26/2023	6	1097.8	1180	707.9	86	0	0	86
9/26/2023	7	1097.9	2250	708.6	85	0	0	85
9/26/2023	8	1097.9	2210	708.8	86	0	0	86
9/26/2023	9	1097.9	2220	708.7	85	0	0	85
9/26/2023	10	1097.8	2240	708.8	85	0	0	85
9/26/2023	11	1097.8	2240	708.9	85	0	0	85
9/26/2023	12	1097.8	2250	708.8	85	0	1	86
9/26/2023	13	1097.8	2260	708.7	85	0	51	136
9/26/2023	14	1097.8	2260	708.9	85	0	51	136
9/26/2023	15	1097.8	2250	709.0	85	0	50	136
9/26/2023	16	1097.8	2260	708.9	85	0	50	136
9/26/2023	17	1097.8	2260	709.1	85	0	51	136
9/26/2023	18	1097.8	2260	709.0	85	0	51	136
9/26/2023	19	1097.8	2250	708.8	85	0	51	137
9/26/2023	20	1097.8	2230	708.7	86	0	52	138
9/26/2023	21	1097.8	2250	708.6	85	0	51	136
9/26/2023	22	1097.8	2240	708.5	85	0	51	135
9/26/2023	23	1097.8	1080	707.5	85	0	50	135
9/26/2023	24	1097.8	1060	707.5	85	0	50	136
9/27/2023	1	1097.8	1060	707.4	85	0	50	136
9/27/2023	2	1097.8	1070	707.5	85	0	50	135
9/27/2023	3	1097.8	1060	707.7	86	0	50	136
9/27/2023	4	1097.8	1060	707.8	85	0	51	137
9/27/2023	5	1097.8	1060	707.7	85	0	51	136
9/27/2023	6	1097.8	1190	707.9	85	0	51	136
9/27/2023	7	1097.8	2230	708.6	85	0	52	138
9/27/2023	8	1097.8	2220	708.6	85	0	53	138
9/27/2023	9	1097.8	2230	708.5	86	0	53	139
9/27/2023	10	1097.8	2240	708.6	85	0	54	139
9/27/2023	11	1097.8	2220	708.8	85	0	53	138
9/27/2023	12	1097.8	2230	708.8	85	0	53	138
9/27/2023	13	1097.8	2230	708.8	85	0	53	138
9/27/2023	14	1097.7	2240	708.9	86	0	50	136
9/27/2023	15	1097.7	2200	709.0	85	0	51	137
9/27/2023	16	1097.7	2230	709.1	86	0	51	137
9/27/2023	17	1097.8	2250	709.1	85	0	51	136
9/27/2023	18	1097.7	2240	709.2	85	0	50	135
9/27/2023	19	1097.7	2230	709.0	85	0	50	135
9/27/2023	20	1097.7	2210	709.1	85	0	51	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)
9/27/2023	21	1097.7	2230	709.1	85	0	51	136
9/27/2023	22	1097.7	2170	708.8	85	0	51	136
9/27/2023	23	1097.7	1060	708.1	85	0	51	136
9/27/2023	24	1097.7	1060	708.0	85	0	51	135
9/28/2023	1	1097.7	1070	708.4	85	0	51	136
9/28/2023	2	1097.7	1070	708.2	85	0	49	134
9/28/2023	3	1097.7	1070	708.4	85	0	52	137
9/28/2023	4	1097.7	1060	708.5	85	0	52	137
9/28/2023	5	1097.7	1060	708.5	86	0	53	139
9/28/2023	6	1097.7	1230	708.7	85	0	53	138
9/28/2023	7	1097.7	2250	709.0	85	0	53	139
9/28/2023	8	1097.7	2240	709.0	86	0	52	138
9/28/2023	9	1097.7	2240	709.0	86	0	53	139
9/28/2023	10	1097.7	2240	709.1	86	0	54	139
9/28/2023	11	1097.7	2250	709.2	86	0	52	138
9/28/2023	12	1097.7	2260	709.2	85	0	54	139
9/28/2023	13	1097.6	2250	709.0	85	0	69	154
9/28/2023	14	1097.6	2220	708.9	86	0	99	185
9/28/2023	15	1097.6	2230	708.9	86	0	98	184
9/28/2023	16	1097.6	2270	708.9	85	0	98	184
9/28/2023	17	1097.6	2270	709.0	85	0	97	183
9/28/2023	18	1097.6	2290	709.0	85	0	98	183
9/28/2023	19	1097.6	2260	709.1	85	0	97	182
9/28/2023	20	1097.6	2240	708.7	85	0	96	182
9/28/2023	21	1097.6	2250	708.6	85	0	97	182
9/28/2023	22	1097.6	2130	708.5	85	0	98	183
9/28/2023	23	1097.6	1070	707.7	85	0	97	182
9/28/2023	24	1097.6	1060	707.6	85	0	97	182
9/29/2023	1	1097.6	1070	707.9	85	0	97	182
9/29/2023	2	1097.6	1060	707.8	85	0	98	183
9/29/2023	3	1097.6	1060	707.7	85	0	99	183
9/29/2023	4	1097.6	1060	707.9	85	0	99	184
9/29/2023	5	1097.6	1060	707.8	85	0	99	184
9/29/2023	6	1097.6	1110	707.7	85	0	99	184
9/29/2023	7	1097.6	2250	708.6	85	0	100	185
9/29/2023	8	1097.6	2220	708.6	85	0	100	185
9/29/2023	9	1097.6	2220	708.5	85	0	100	185
9/29/2023	10	1097.6	2260	708.8	85	0	100	185
9/29/2023	11	1097.6	2250	709.0	85	0	100	185
9/29/2023	12	1097.5	2240	709.1	85	0	101	186
9/29/2023	13	1097.5	2230	709.1	85	0	100	185
9/29/2023	14	1097.5	2250	709.2	85	0	102	187
9/29/2023	15	1097.5	2250	709.1	85	0	101	186
9/29/2023	16	1097.5	2250	709.0	85	0	101	186
9/29/2023	17	1097.5	2250	709.0	85	0	100	185
9/29/2023	18	1097.5	2280	709.0	85	0	101	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)
9/29/2023	19	1097.5	2230	709.2	85	0	100	185
9/29/2023	20	1097.5	2240	709.1	85	0	100	185
9/29/2023	21	1097.5	2260	709.0	85	0	100	185
9/29/2023	22	1097.5	2080	708.9	85	0	100	185
9/29/2023	23	1097.5	1060	708.0	85	0	98	184
9/29/2023	24	1097.5	1050	708.0	85	0	98	183
9/30/2023	1	1097.5	1060	708.0	85	0	98	183
9/30/2023	2	1097.5	1060	708.0	85	0	99	184
9/30/2023	3	1097.5	1060	707.9	85	0	98	183
9/30/2023	4	1097.5	1060	708.0	85	0	99	184
9/30/2023	5	1097.5	1060	708.2	85	0	99	184
9/30/2023	6	1097.5	1100	708.2	85	0	99	184
9/30/2023	7	1097.5	2240	709.0	85	0	100	185
9/30/2023	8	1097.5	2250	708.9	85	0	100	185
9/30/2023	9	1097.5	2250	709.1	85	0	100	185
9/30/2023	10	1097.4	2250	709.2	85	0	100	185
9/30/2023	11	1097.4	2240	709.0	85	0	100	185
9/30/2023	12	1097.4	2230	709.0	85	0	99	184
9/30/2023	13	1097.4	2220	709.0	85	0	100	185
9/30/2023	14	1097.4	2250	708.8	85	0	99	184
9/30/2023	15	1097.4	2260	708.8	85	0	99	185
9/30/2023	16	1097.4	2250	708.8	85	0	101	186
9/30/2023	17	1097.4	2270	708.8	85	0	102	187
9/30/2023	18	1097.4	2260	708.9	85	0	102	187
9/30/2023	19	1097.4	2240	709.0	85	0	102	187
9/30/2023	20	1097.4	2240	709.1	85	0	101	186
9/30/2023	21	1097.4	2260	709.1	85	0	100	186
9/30/2023	22	1097.4	2080	708.9	85	0	100	185
9/30/2023	23	1097.4	1060	708.2	85	0	99	184
9/30/2023	24	1097.4	1050	708.0	85	0	99	184