

**From:** [Hopkins, Scott](#)  
**To:** "[Ashley Rawhouser](#)"; "[bgoedde@cityofchelan.us](#)"; "[Breean Zimmerman](#)"; [Buehn, Scott](#); "[Carl Merkle](#)"; [Clement, Marcie](#); "[David Bowen](#)"; "[Emily Johnson](#)"; "[Graham Simon](#)"; "[Hugh Anthony](#)"; "[Jim Pacheco](#)"; "[Justin Yeager](#)"; "[Kari Grover Wier](#)"; "[Mark Peterschmidt](#)"; [Osborn, Jeff](#); "[Phil Archibald](#)"; "[robin@mansonparks.com](#)"; "[Ryan.Layton@parks.wa.gov](#)"; [Smith, Michelle](#); "[Steve Lewis](#)"; "[Thomas O'Keefe](#)"; [Towey, Bill](#); "[Travis Maitland](#)"; [Underwood, Alene](#); [Von Reis, Charles](#); [Willard, Catherine](#); "[Mayfield, Mariah - FS](#)"; "[Kevin Wright](#)"; "[Esh, Nathan](#)"; "[randi\\_riggs@fws.gov](#)"; [Wasniewski, John](#); "[jamesurness@hotmail.com](#)"; "[wfarris@cityofchelan.us](#)"; "[Pruit, Katie \(RCO\)](#)"; "[jody.walters@noaa.gov](#)"; "[blod@yakamafish-nsn.gov](#)"; "[bret.nine@colvilletribes.com](#)"  
**Cc:** [Whiteman, Martha](#); [West, Todd](#); [Miller, Joshua](#); "[Pradeep Mugunthan](#)"  
**Subject:** Chelan River Flow Monitoring Data - 2020 July Reports  
**Date:** Friday, August 28, 2020 10:35:49 AM  
**Attachments:** [2020 Daily Average Flow Data July Report.pdf](#)  
[2020 Hourly Flow Data July Report.pdf](#)  
[image001.png](#)

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PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY  
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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)  
Lake Chelan Sportsman Association  
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 II  
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 July  
Reports

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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 July 2020. These reports contains 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.

- On July 10<sup>th</sup> spill was moved from the Low Level Outlet (LLO) over to the spill gates to perform maintenance on the LLO gates. Four hourly readings on the spillway gates were below 200cfs but within the equipment range of bias. Spill will be set at 205cfs in the future.
- On July 20<sup>th</sup> spill was reduced to facilitate a rescue of six individuals that had trespassed into the Chelan River gorge despite posted warning signs. Emergency services were contacted, response protocols implemented rapidly, and spill was reduced for about three hours allowing the rescue to be performed without exceeding license minimum or maximum lake level elevations. Ramping rates were exceeded due to this rescue and all necessary reporting has been completed.

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



**Scott Hopkins**

Fisheries Biologist II  
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)
7/1/2020	1099.7	1600	711.9	200	2404	0	2604
7/2/2020	1099.6	1658	712.1	200	2394	0	2594
7/3/2020	1099.6	2273	711.8	200	2273	0	2474
7/4/2020	1099.5	2025	711.3	200	1649	0	1849
7/5/2020	1099.5	2200	711.1	200	964	0	1164
7/6/2020	1099.4	2343	711.1	200	362	0	562
7/7/2020	1099.5	2357	710.5	202	23	0	225
7/8/2020	1099.5	2388	710.8	200	0	0	200
7/9/2020	1099.5	2387	710.6	200	0	0	200
7/10/2020	1099.4	2377	710.1	158	43	0	202
7/11/2020	1099.4	2374	709.8	200	0	0	200
7/12/2020	1099.5	8	709.6	200	0	0	200
7/13/2020	1099.6	1497	710.4	200	0	0	200
7/14/2020	1099.6	769	710.4	200	0	0	200
7/15/2020	1099.7	1784	710.6	200	0	0	200
7/16/2020	1099.7	2389	710.7	200	0	0	200
7/17/2020	1099.8	1605	709.7	200	0	0	200
7/18/2020	1099.8	1714	709.5	200	0	0	200
7/19/2020	1099.8	2382	710.0	200	0	0	200
7/20/2020	1099.8	1455	709.6	200	150	0	350
7/21/2020	1099.9	1159	710.1	200	1322	0	1522
7/22/2020	1099.9	1532	710.4	200	1924	0	2125
7/23/2020	1099.8	2351	710.3	200	1052	0	1252
7/24/2020	1099.8	2319	709.9	200	408	0	608
7/25/2020	1099.7	2318	709.6	200	40	0	241
7/26/2020	1099.6	2347	709.2	200	0	0	200
7/27/2020	1099.5	2379	709.8	141	0	0	141
7/28/2020	1099.5	2380	710.0	85	0	0	85
7/29/2020	1099.5	1598	709.6	85	0	0	85
7/30/2020	1099.5	1581	710.0	85	0	0	85
7/31/2020	1099.6	1584	710.0	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)
7/1/2020	1	1099.7	100	711.7	200	2406	0	2606
7/1/2020	2	1099.7	0	711.7	200	2406	0	2606
7/1/2020	3	1099.7	0	711.4	200	2405	0	2605
7/1/2020	4	1099.7	0	711.2	200	2406	0	2606
7/1/2020	5	1099.7	0	711.2	200	2407	0	2606
7/1/2020	6	1099.7	0	711.3	200	2406	0	2606
7/1/2020	7	1099.7	2160	711.8	200	2406	0	2606
7/1/2020	8	1099.7	2400	711.8	200	2405	0	2605
7/1/2020	9	1099.7	2410	711.6	200	2405	0	2605
7/1/2020	10	1099.7	2390	711.5	200	2404	0	2604
7/1/2020	11	1099.7	2400	711.7	200	2403	0	2603
7/1/2020	12	1099.7	2400	711.9	200	2402	0	2602
7/1/2020	13	1099.7	2390	712.0	200	2403	0	2603
7/1/2020	14	1099.7	2400	712.0	200	2404	0	2604
7/1/2020	15	1099.7	2400	712.1	200	2403	0	2603
7/1/2020	16	1099.7	2400	712.2	200	2404	0	2603
7/1/2020	17	1099.7	2390	712.4	200	2405	0	2605
7/1/2020	18	1099.7	2380	712.3	200	2405	0	2605
7/1/2020	19	1099.7	2400	712.3	200	2402	0	2602
7/1/2020	20	1099.7	2390	712.3	200	2402	0	2602
7/1/2020	21	1099.7	2400	712.4	200	2401	0	2601
7/1/2020	22	1099.7	2400	712.6	200	2400	0	2600
7/1/2020	23	1099.7	190	712.3	200	2401	0	2601
7/1/2020	24	1099.7	0	712.3	200	2399	0	2599
7/2/2020	1	1099.7	0	712.1	200	2397	0	2597
7/2/2020	2	1099.7	0	711.9	200	2398	0	2598
7/2/2020	3	1099.7	0	711.7	200	2400	0	2600
7/2/2020	4	1099.7	0	711.4	200	2399	0	2599
7/2/2020	5	1099.7	0	711.0	200	2397	0	2597
7/2/2020	6	1099.7	140	711.2	200	2399	0	2599
7/2/2020	7	1099.7	2160	712.1	200	2401	0	2601
7/2/2020	8	1099.7	2410	712.6	200	2399	0	2600
7/2/2020	9	1099.7	2400	712.6	200	2397	0	2597
7/2/2020	10	1099.7	2400	712.6	200	2394	0	2595
7/2/2020	11	1099.7	2410	712.5	200	2393	0	2593
7/2/2020	12	1099.6	2030	712.5	200	2392	0	2592
7/2/2020	13	1099.6	2400	712.6	200	2391	0	2591
7/2/2020	14	1099.6	2400	712.5	200	2390	0	2590
7/2/2020	15	1099.6	2410	712.5	200	2390	0	2590
7/2/2020	16	1099.6	2410	712.5	200	2390	0	2590
7/2/2020	17	1099.6	2400	712.5	200	2390	0	2590
7/2/2020	18	1099.6	2400	712.1	200	2390	0	2591
7/2/2020	19	1099.6	2400	711.8	200	2391	0	2591
7/2/2020	20	1099.6	2400	711.7	200	2391	0	2591
7/2/2020	21	1099.6	2400	711.9	200	2392	0	2592
7/2/2020	22	1099.6	2400	712.0	200	2392	0	2592
7/2/2020	23	1099.6	890	711.7	200	2393	0	2592

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)
7/2/2020	24	1099.6	930	711.7	200	2392	0	2593
7/3/2020	1	1099.6	2010	711.9	200	2393	0	2593
7/3/2020	2	1099.6	2020	712.0	200	2393	0	2593
7/3/2020	3	1099.6	2020	711.8	200	2393	0	2593
7/3/2020	4	1099.6	2020	711.7	200	2392	0	2592
7/3/2020	5	1099.6	2040	711.7	200	2393	0	2593
7/3/2020	6	1099.6	2030	711.8	200	2392	0	2592
7/3/2020	7	1099.6	2330	711.8	200	2391	0	2592
7/3/2020	8	1099.6	2400	711.9	200	2390	0	2590
7/3/2020	9	1099.6	2410	711.7	200	2389	0	2589
7/3/2020	10	1099.6	2400	711.8	200	2388	0	2588
7/3/2020	11	1099.6	2410	711.8	200	2388	0	2588
7/3/2020	12	1099.6	2410	711.9	200	2388	0	2588
7/3/2020	13	1099.6	2400	711.9	200	2388	0	2588
7/3/2020	14	1099.6	2400	712.0	200	2388	0	2588
7/3/2020	15	1099.6	2410	711.9	200	2388	0	2588
7/3/2020	16	1099.6	2390	711.9	200	2386	0	2587
7/3/2020	17	1099.6	2390	711.8	200	2386	0	2586
7/3/2020	18	1099.6	2390	711.8	200	2384	0	2585
7/3/2020	19	1099.6	2400	711.8	200	2243	0	2443
7/3/2020	20	1099.6	2400	711.8	200	2057	0	2257
7/3/2020	21	1099.6	2390	711.8	201	1851	0	2052
7/3/2020	22	1099.6	2390	711.8	200	1801	0	2001
7/3/2020	23	1099.6	2060	711.7	200	1801	0	2001
7/3/2020	24	1099.6	2020	711.7	200	1800	0	2000
7/4/2020	1	1099.6	2010	711.7	200	1799	0	1999
7/4/2020	2	1099.5	2020	711.7	200	1799	0	1999
7/4/2020	3	1099.6	2030	711.5	200	1799	0	1999
7/4/2020	4	1099.5	2010	711.2	200	1798	0	1998
7/4/2020	5	1099.5	2020	711.0	200	1799	0	1999
7/4/2020	6	1099.5	2010	711.0	200	1747	0	1947
7/4/2020	7	1099.6	2020	711.2	200	1605	0	1805
7/4/2020	8	1099.5	2020	711.4	200	1604	0	1804
7/4/2020	9	1099.5	2040	711.5	200	1603	0	1803
7/4/2020	10	1099.5	2060	711.7	200	1603	0	1803
7/4/2020	11	1099.5	2060	711.7	200	1602	0	1802
7/4/2020	12	1099.5	2040	711.5	200	1603	0	1803
7/4/2020	13	1099.5	2040	711.5	200	1602	0	1802
7/4/2020	14	1099.5	2030	711.3	200	1602	0	1802
7/4/2020	15	1099.5	2020	711.3	200	1602	0	1802
7/4/2020	16	1099.5	2020	711.3	200	1602	0	1802
7/4/2020	17	1099.5	2020	711.3	200	1601	0	1802
7/4/2020	18	1099.5	2020	711.3	200	1601	0	1801
7/4/2020	19	1099.5	2030	711.2	200	1602	0	1801
7/4/2020	20	1099.5	2020	711.1	200	1602	0	1802
7/4/2020	21	1099.5	2010	711.1	200	1603	0	1803
7/4/2020	22	1099.5	2010	711.1	200	1603	0	1803

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)
7/4/2020	23	1099.5	2030	711.1	200	1603	0	1803
7/4/2020	24	1099.5	2010	711.0	200	1603	0	1803
7/5/2020	1	1099.5	2020	711.0	200	1603	0	1803
7/5/2020	2	1099.5	2010	710.9	200	1602	0	1802
7/5/2020	3	1099.5	2010	710.8	200	1602	0	1803
7/5/2020	4	1099.5	2030	710.8	200	1602	0	1802
7/5/2020	5	1099.5	2110	710.7	200	1602	0	1802
7/5/2020	6	1099.5	2240	710.7	200	1601	0	1800
7/5/2020	7	1099.5	2240	710.6	200	1517	0	1717
7/5/2020	8	1099.5	2240	710.7	200	1313	0	1513
7/5/2020	9	1099.5	2270	710.8	200	1112	0	1311
7/5/2020	10	1099.5	2280	711.2	201	908	0	1108
7/5/2020	11	1099.5	2290	711.2	201	769	0	970
7/5/2020	12	1099.5	2280	711.4	201	654	0	855
7/5/2020	13	1099.5	2250	711.4	200	604	0	805
7/5/2020	14	1099.4	2270	711.5	200	604	0	804
7/5/2020	15	1099.4	2240	711.5	200	604	0	803
7/5/2020	16	1099.4	2240	711.5	200	603	0	803
7/5/2020	17	1099.4	2230	711.4	200	602	0	803
7/5/2020	18	1099.4	2240	711.3	200	602	0	802
7/5/2020	19	1099.4	2240	711.2	200	603	0	803
7/5/2020	20	1099.4	2220	711.2	200	604	0	804
7/5/2020	21	1099.5	2220	711.3	200	605	0	804
7/5/2020	22	1099.4	2220	711.2	200	605	0	805
7/5/2020	23	1099.4	2210	711.0	200	605	0	805
7/5/2020	24	1099.4	2210	710.9	200	605	0	805
7/6/2020	1	1099.5	2220	711.0	200	605	0	805
7/6/2020	2	1099.4	2230	711.2	200	605	0	805
7/6/2020	3	1099.4	2250	711.2	200	605	0	805
7/6/2020	4	1099.4	2230	711.3	200	606	0	806
7/6/2020	5	1099.4	2250	711.3	200	606	0	807
7/6/2020	6	1099.4	2330	711.2	200	606	0	807
7/6/2020	7	1099.4	2390	711.3	200	605	0	805
7/6/2020	8	1099.4	2390	711.2	200	604	0	804
7/6/2020	9	1099.4	2410	711.2	200	603	0	803
7/6/2020	10	1099.4	2410	711.3	200	603	0	803
7/6/2020	11	1099.4	2400	711.4	200	514	0	714
7/6/2020	12	1099.4	2400	711.4	200	360	0	560
7/6/2020	13	1099.4	2400	711.1	200	284	0	484
7/6/2020	14	1099.4	2390	711.0	200	240	0	440
7/6/2020	15	1099.4	2390	711.0	200	215	0	415
7/6/2020	16	1099.4	2380	711.1	200	189	0	390
7/6/2020	17	1099.4	2380	711.3	201	165	0	365
7/6/2020	18	1099.4	2390	711.3	201	140	0	341
7/6/2020	19	1099.4	2390	710.9	201	117	0	317
7/6/2020	20	1099.4	2380	710.6	201	95	0	295
7/6/2020	21	1099.4	2370	710.5	200	79	0	280

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)
7/6/2020	22	1099.4	2370	710.6	200	80	0	280
7/6/2020	23	1099.5	2250	710.7	200	80	0	280
7/6/2020	24	1099.4	2240	710.6	200	80	0	280
7/7/2020	1	1099.5	2220	710.5	200	79	0	280
7/7/2020	2	1099.4	2210	710.2	200	80	0	280
7/7/2020	3	1099.5	2210	710.0	200	80	0	280
7/7/2020	4	1099.5	2220	710.0	200	80	0	280
7/7/2020	5	1099.5	2350	710.2	200	79	0	280
7/7/2020	6	1099.5	2400	710.2	200	79	0	279
7/7/2020	7	1099.4	2390	710.2	200	61	0	261
7/7/2020	8	1099.5	2380	710.2	220	16	0	236
7/7/2020	9	1099.5	2390	710.4	224	0	0	224
7/7/2020	10	1099.5	2390	710.3	209	0	0	209
7/7/2020	11	1099.5	2390	710.3	200	0	0	200
7/7/2020	12	1099.5	2390	710.3	200	0	0	200
7/7/2020	13	1099.5	2380	710.3	200	0	0	200
7/7/2020	14	1099.5	2380	710.4	200	0	0	200
7/7/2020	15	1099.5	2380	710.4	200	0	0	200
7/7/2020	16	1099.5	2390	710.5	200	0	0	200
7/7/2020	17	1099.5	2390	710.7	200	0	0	200
7/7/2020	18	1099.5	2380	710.9	200	0	0	200
7/7/2020	19	1099.5	2390	711.0	200	0	0	200
7/7/2020	20	1099.5	2390	711.1	200	0	0	200
7/7/2020	21	1099.5	2390	710.9	200	0	0	200
7/7/2020	22	1099.5	2380	710.8	200	0	0	200
7/7/2020	23	1099.5	2380	710.7	200	0	0	200
7/7/2020	24	1099.5	2390	710.8	200	0	0	200
7/8/2020	1	1099.5	2380	710.7	200	0	0	200
7/8/2020	2	1099.5	2380	710.7	200	0	0	200
7/8/2020	3	1099.5	2380	710.4	200	0	0	200
7/8/2020	4	1099.5	2390	710.4	200	0	0	200
7/8/2020	5	1099.5	2380	710.3	200	0	0	200
7/8/2020	6	1099.5	2390	710.3	200	0	0	200
7/8/2020	7	1099.5	2370	710.3	200	0	0	200
7/8/2020	8	1099.5	2380	710.3	200	0	0	200
7/8/2020	9	1099.5	2390	710.4	200	0	0	200
7/8/2020	10	1099.5	2400	710.7	200	0	0	200
7/8/2020	11	1099.5	2400	710.9	200	0	0	200
7/8/2020	12	1099.5	2410	711.0	200	0	0	200
7/8/2020	13	1099.4	2390	711.0	200	0	0	200
7/8/2020	14	1099.5	2390	711.0	200	0	0	200
7/8/2020	15	1099.5	2380	711.0	200	0	0	200
7/8/2020	16	1099.5	2380	711.1	200	0	0	200
7/8/2020	17	1099.4	2390	711.2	200	0	0	200
7/8/2020	18	1099.5	2400	711.2	200	0	0	200
7/8/2020	19	1099.5	2410	711.3	200	0	0	200
7/8/2020	20	1099.5	2390	711.2	200	0	0	200

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)
7/8/2020	21	1099.5	2380	711.1	200	0	0	200
7/8/2020	22	1099.5	2380	711.1	200	0	0	200
7/8/2020	23	1099.5	2380	711.0	200	0	0	200
7/8/2020	24	1099.5	2380	710.9	200	0	0	200
7/9/2020	1	1099.5	2390	710.9	200	0	0	200
7/9/2020	2	1099.5	2390	710.9	200	0	0	200
7/9/2020	3	1099.5	2390	710.9	200	0	0	200
7/9/2020	4	1099.5	2390	710.9	200	0	0	200
7/9/2020	5	1099.5	2400	710.8	200	0	0	200
7/9/2020	6	1099.4	2400	710.7	200	0	0	200
7/9/2020	7	1099.4	2390	710.5	200	0	0	200
7/9/2020	8	1099.4	2380	710.4	200	0	0	200
7/9/2020	9	1099.4	2390	710.5	200	0	0	200
7/9/2020	10	1099.4	2380	710.5	200	0	0	200
7/9/2020	11	1099.4	2390	710.3	200	0	0	200
7/9/2020	12	1099.5	2390	710.2	200	0	0	200
7/9/2020	13	1099.5	2390	710.3	200	0	0	200
7/9/2020	14	1099.5	2390	710.5	200	0	0	200
7/9/2020	15	1099.5	2390	710.6	200	0	0	200
7/9/2020	16	1099.5	2390	710.7	200	0	0	200
7/9/2020	17	1099.5	2390	710.8	200	0	0	200
7/9/2020	18	1099.5	2390	710.7	200	0	0	200
7/9/2020	19	1099.5	2390	710.6	200	0	0	200
7/9/2020	20	1099.5	2380	710.7	200	0	0	200
7/9/2020	21	1099.5	2380	710.7	200	0	0	200
7/9/2020	22	1099.5	2380	710.8	200	0	0	200
7/9/2020	23	1099.5	2370	710.8	200	0	0	200
7/9/2020	24	1099.5	2370	710.7	200	0	0	200
7/10/2020	1	1099.5	2360	710.5	200	0	0	200
7/10/2020	2	1099.5	2360	710.4	200	0	0	200
7/10/2020	3	1099.5	2370	710.3	200	0	0	200
7/10/2020	4	1099.5	2370	710.3	200	0	0	200
7/10/2020	5	1099.4	2380	710.2	200	0	0	200
7/10/2020	6	1099.4	2370	710.2	200	0	0	200
7/10/2020	7	1099.4	2380	710.1	200	0	0	200
7/10/2020	8	1099.4	2380	710.1	200	0	0	200
7/10/2020	9	1099.4	2380	709.9	96	147	0	243
7/10/2020	10	1099.4	2380	709.8	2	196	0	198
7/10/2020	11	1099.4	2390	709.9	1	197	0	198
7/10/2020	12	1099.4	2380	709.9	0	197	0	197
7/10/2020	13	1099.4	2380	709.9	4	195	0	199
7/10/2020	14	1099.4	2380	709.9	96	110	0	206
7/10/2020	15	1099.4	2390	710.0	195	0	0	195
7/10/2020	16	1099.4	2390	710.0	200	0	0	200
7/10/2020	17	1099.4	2390	710.1	200	0	0	200
7/10/2020	18	1099.4	2390	710.2	200	0	0	200
7/10/2020	19	1099.4	2390	710.1	200	0	0	200



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)
7/10/2020	20	1099.4	2370	710.1	200	0	0	200
7/10/2020	21	1099.5	2350	710.1	200	0	0	200
7/10/2020	22	1099.4	2370	710.1	200	0	0	200
7/10/2020	23	1099.4	2370	710.1	200	0	0	200
7/10/2020	24	1099.4	2370	710.1	200	0	0	200
7/11/2020	1	1099.4	2360	710.0	200	0	0	200
7/11/2020	2	1099.5	2370	710.0	200	0	0	200
7/11/2020	3	1099.4	2380	710.0	200	0	0	200
7/11/2020	4	1099.4	2390	709.9	200	0	0	200
7/11/2020	5	1099.4	2360	709.8	200	0	0	200
7/11/2020	6	1099.4	2380	709.7	200	0	0	200
7/11/2020	7	1099.4	2350	709.4	200	0	0	200
7/11/2020	8	1099.4	2250	709.2	200	0	0	200
7/11/2020	9	1099.4	2370	709.1	200	0	0	200
7/11/2020	10	1099.4	2390	709.0	200	0	0	200
7/11/2020	11	1099.4	2390	709.0	200	0	0	200
7/11/2020	12	1099.4	2390	709.0	200	0	0	200
7/11/2020	13	1099.4	2380	709.0	200	0	0	200
7/11/2020	14	1099.5	2380	709.0	200	0	0	200
7/11/2020	15	1099.5	2370	709.3	200	0	0	200
7/11/2020	16	1099.5	2380	709.7	200	0	0	200
7/11/2020	17	1099.5	2390	709.9	200	0	0	200
7/11/2020	18	1099.5	2390	710.2	200	0	0	200
7/11/2020	19	1099.4	2400	710.4	200	0	0	200
7/11/2020	20	1099.5	2390	710.6	200	0	0	200
7/11/2020	21	1099.5	2380	710.7	200	0	0	200
7/11/2020	22	1099.4	2390	710.8	200	0	0	200
7/11/2020	23	1099.5	2380	710.6	200	0	0	200
7/11/2020	24	1099.4	2370	710.5	200	0	0	200
7/12/2020	1	1099.5	20	710.2	200	0	0	200
7/12/2020	2	1099.5	0	710.3	200	0	0	200
7/12/2020	3	1099.4	0	710.3	200	0	0	200
7/12/2020	4	1099.5	0	710.3	200	0	0	200
7/12/2020	5	1099.5	0	710.4	200	0	0	200
7/12/2020	6	1099.5	0	710.3	200	0	0	200
7/12/2020	7	1099.5	0	709.9	200	0	0	200
7/12/2020	8	1099.5	0	709.7	200	0	0	200
7/12/2020	9	1099.5	10	709.3	200	0	0	200
7/12/2020	10	1099.5	10	709.5	200	0	0	200
7/12/2020	11	1099.5	10	709.3	200	0	0	200
7/12/2020	12	1099.5	10	709.1	200	0	0	200
7/12/2020	13	1099.5	10	709.0	200	0	0	200
7/12/2020	14	1099.5	10	708.8	200	0	0	200
7/12/2020	15	1099.5	10	708.8	200	0	0	200
7/12/2020	16	1099.5	10	708.5	200	0	0	200
7/12/2020	17	1099.5	10	708.5	200	0	0	200
7/12/2020	18	1099.6	10	708.6	200	0	0	200

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)
7/12/2020	19	1099.6	10	709.2	200	0	0	200
7/12/2020	20	1099.6	10	709.4	200	0	0	200
7/12/2020	21	1099.6	10	709.9	200	0	0	200
7/12/2020	22	1099.6	10	710.4	200	0	0	200
7/12/2020	23	1099.6	10	710.8	200	0	0	200
7/12/2020	24	1099.6	10	710.6	200	0	0	200
7/13/2020	1	1099.6	10	710.2	200	0	0	200
7/13/2020	2	1099.6	10	710.0	200	0	0	200
7/13/2020	3	1099.6	10	710.0	200	0	0	200
7/13/2020	4	1099.6	10	710.0	200	0	0	200
7/13/2020	5	1099.6	10	709.9	200	0	0	200
7/13/2020	6	1099.6	60	709.7	200	0	0	200
7/13/2020	7	1099.6	1090	709.8	200	0	0	200
7/13/2020	8	1099.6	1170	710.1	200	0	0	200
7/13/2020	9	1099.6	2400	710.6	200	0	0	200
7/13/2020	10	1099.6	2390	710.8	200	0	0	200
7/13/2020	11	1099.6	2390	710.8	200	0	0	200
7/13/2020	12	1099.6	2400	710.7	200	0	0	200
7/13/2020	13	1099.6	2390	710.6	200	0	0	200
7/13/2020	14	1099.6	2380	710.6	200	0	0	200
7/13/2020	15	1099.6	2390	710.7	200	0	0	200
7/13/2020	16	1099.6	2390	710.7	200	0	0	200
7/13/2020	17	1099.6	2390	710.8	200	0	0	200
7/13/2020	18	1099.6	2400	710.8	200	0	0	200
7/13/2020	19	1099.6	2400	710.8	200	0	0	200
7/13/2020	20	1099.6	2380	710.7	200	0	0	200
7/13/2020	21	1099.6	2390	710.7	200	0	0	200
7/13/2020	22	1099.6	2390	710.7	200	0	0	200
7/13/2020	23	1099.6	70	710.4	200	0	0	200
7/13/2020	24	1099.6	0	710.4	200	0	0	200
7/14/2020	1	1099.6	0	710.3	200	0	0	200
7/14/2020	2	1099.6	0	710.3	200	0	0	200
7/14/2020	3	1099.6	0	710.4	200	0	0	200
7/14/2020	4	1099.6	0	710.5	200	0	0	200
7/14/2020	5	1099.6	0	710.5	200	0	0	200
7/14/2020	6	1099.6	30	710.5	200	0	0	200
7/14/2020	7	1099.6	1070	710.5	200	0	0	200
7/14/2020	8	1099.6	1080	710.5	200	0	0	200
7/14/2020	9	1099.6	1090	710.4	200	0	0	200
7/14/2020	10	1099.6	1080	710.3	200	0	0	200
7/14/2020	11	1099.6	1080	710.3	200	0	0	200
7/14/2020	12	1099.6	1120	710.4	200	0	0	200
7/14/2020	13	1099.6	1150	710.4	200	0	0	200
7/14/2020	14	1099.6	1150	710.4	200	0	0	200
7/14/2020	15	1099.6	1150	710.4	200	0	0	200
7/14/2020	16	1099.6	1150	710.4	200	0	0	200
7/14/2020	17	1099.6	1150	710.4	200	0	0	200

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)
7/14/2020	18	1099.6	1150	710.5	200	0	0	200
7/14/2020	19	1099.6	1160	710.4	200	0	0	200
7/14/2020	20	1099.7	1150	710.4	200	0	0	200
7/14/2020	21	1099.7	1150	710.3	200	0	0	200
7/14/2020	22	1099.7	1140	710.3	200	0	0	200
7/14/2020	23	1099.7	40	710.5	200	0	0	200
7/14/2020	24	1099.7	370	710.8	200	0	0	200
7/15/2020	1	1099.7	1190	710.8	200	0	0	200
7/15/2020	2	1099.7	1190	710.8	200	0	0	200
7/15/2020	3	1099.7	1200	710.8	200	0	0	200
7/15/2020	4	1099.7	1200	710.6	200	0	0	200
7/15/2020	5	1099.7	1200	710.4	200	0	0	200
7/15/2020	6	1099.7	1200	710.4	200	0	0	200
7/15/2020	7	1099.7	1190	710.3	200	0	0	200
7/15/2020	8	1099.7	1200	710.2	200	0	0	200
7/15/2020	9	1099.7	1230	710.3	200	0	0	200
7/15/2020	10	1099.7	1230	710.5	200	0	0	200
7/15/2020	11	1099.7	1160	710.6	200	0	0	200
7/15/2020	12	1099.7	1150	710.5	200	0	0	200
7/15/2020	13	1099.7	2190	710.6	200	0	0	200
7/15/2020	14	1099.7	2400	710.6	200	0	0	200
7/15/2020	15	1099.7	2390	710.7	200	0	0	200
7/15/2020	16	1099.7	2390	710.8	200	0	0	200
7/15/2020	17	1099.7	2390	710.8	200	0	0	200
7/15/2020	18	1099.7	2390	710.7	200	0	0	200
7/15/2020	19	1099.7	2390	710.6	200	0	0	200
7/15/2020	20	1099.7	2380	710.5	200	0	0	200
7/15/2020	21	1099.8	2390	710.4	200	0	0	200
7/15/2020	22	1099.7	2390	710.4	200	0	0	200
7/15/2020	23	1099.7	2390	710.7	200	0	0	200
7/15/2020	24	1099.7	2380	710.9	200	0	0	200
7/16/2020	1	1099.7	2390	711.0	200	0	0	200
7/16/2020	2	1099.7	2390	710.9	200	0	0	200
7/16/2020	3	1099.7	2390	710.8	200	0	0	200
7/16/2020	4	1099.7	2390	710.8	200	0	0	200
7/16/2020	5	1099.8	2390	710.8	200	0	0	200
7/16/2020	6	1099.8	2390	710.8	200	0	0	200
7/16/2020	7	1099.7	2390	710.6	200	0	0	200
7/16/2020	8	1099.7	2390	710.5	200	0	0	200
7/16/2020	9	1099.7	2390	710.6	200	0	0	200
7/16/2020	10	1099.7	2380	710.8	200	0	0	200
7/16/2020	11	1099.7	2380	710.9	200	0	0	200
7/16/2020	12	1099.7	2400	710.9	200	0	0	200
7/16/2020	13	1099.7	2390	710.8	200	0	0	200
7/16/2020	14	1099.7	2390	710.7	200	0	0	200
7/16/2020	15	1099.7	2390	710.7	200	0	0	200
7/16/2020	16	1099.7	2390	710.7	200	0	0	200

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)
7/16/2020	17	1099.7	2390	710.6	200	0	0	200
7/16/2020	18	1099.8	2390	710.6	200	0	0	200
7/16/2020	19	1099.7	2390	710.6	200	0	0	200
7/16/2020	20	1099.7	2390	710.5	200	0	0	200
7/16/2020	21	1099.7	2380	710.6	200	0	0	200
7/16/2020	22	1099.7	2390	710.6	200	0	0	200
7/16/2020	23	1099.7	2390	710.7	200	0	0	200
7/16/2020	24	1099.7	2380	710.7	200	0	0	200
7/17/2020	1	1099.7	340	710.3	200	0	0	200
7/17/2020	2	1099.7	10	709.9	200	0	0	200
7/17/2020	3	1099.8	10	709.7	200	0	0	200
7/17/2020	4	1099.8	10	709.6	200	0	0	200
7/17/2020	5	1099.7	10	709.3	200	0	0	200
7/17/2020	6	1099.8	70	709.3	200	0	0	200
7/17/2020	7	1099.8	2220	709.7	200	0	0	200
7/17/2020	8	1099.8	2380	709.9	200	0	0	200
7/17/2020	9	1099.8	2390	710.0	200	0	0	200
7/17/2020	10	1099.8	2390	710.1	200	0	0	200
7/17/2020	11	1099.8	2390	710.2	200	0	0	200
7/17/2020	12	1099.8	2390	710.1	200	0	0	200
7/17/2020	13	1099.8	2380	710.0	200	0	0	200
7/17/2020	14	1099.8	2380	709.9	200	0	0	200
7/17/2020	15	1099.8	2380	709.8	200	0	0	200
7/17/2020	16	1099.8	2370	709.8	200	0	0	200
7/17/2020	17	1099.8	2370	709.7	200	0	0	200
7/17/2020	18	1099.8	2370	709.7	200	0	0	200
7/17/2020	19	1099.8	2370	709.6	200	0	0	200
7/17/2020	20	1099.8	2370	709.5	200	0	0	200
7/17/2020	21	1099.8	2370	709.5	200	0	0	200
7/17/2020	22	1099.8	2360	709.3	200	0	0	200
7/17/2020	23	1099.8	190	708.6	200	0	0	200
7/17/2020	24	1099.8	0	708.6	200	0	0	200
7/18/2020	1	1099.8	0	708.4	200	0	0	200
7/18/2020	2	1099.8	0	708.4	200	0	0	200
7/18/2020	3	1099.8	0	708.5	200	0	0	200
7/18/2020	4	1099.9	0	708.6	200	0	0	200
7/18/2020	5	1099.9	0	708.8	200	0	0	200
7/18/2020	6	1099.9	30	709.1	200	0	0	200
7/18/2020	7	1099.9	1160	709.3	200	0	0	200
7/18/2020	8	1099.8	1880	709.4	200	0	0	200
7/18/2020	9	1099.8	2380	709.6	200	0	0	200
7/18/2020	10	1099.8	2390	709.8	200	0	0	200
7/18/2020	11	1099.8	2390	709.9	200	0	0	200
7/18/2020	12	1099.8	2380	709.9	200	0	0	200
7/18/2020	13	1099.8	2380	709.8	200	0	0	200
7/18/2020	14	1099.8	2380	709.9	200	0	0	200
7/18/2020	15	1099.8	2380	709.8	200	0	0	200

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)
7/18/2020	16	1099.8	2380	709.8	200	0	0	200
7/18/2020	17	1099.8	2370	709.8	200	0	0	200
7/18/2020	18	1099.8	2390	709.7	200	0	0	200
7/18/2020	19	1099.8	2380	709.7	200	0	0	200
7/18/2020	20	1099.8	2370	709.7	200	0	0	200
7/18/2020	21	1099.8	2370	710.0	200	0	0	200
7/18/2020	22	1099.8	2370	710.2	200	0	0	200
7/18/2020	23	1099.8	2380	710.3	200	0	0	200
7/18/2020	24	1099.8	2370	710.7	200	0	0	200
7/19/2020	1	1099.8	2380	710.6	200	0	0	200
7/19/2020	2	1099.8	2390	710.3	200	0	0	200
7/19/2020	3	1099.8	2390	710.1	200	0	0	200
7/19/2020	4	1099.8	2380	710.1	200	0	0	200
7/19/2020	5	1099.8	2380	710.1	200	0	0	200
7/19/2020	6	1099.8	2390	710.0	200	0	0	200
7/19/2020	7	1099.8	2390	709.9	200	0	0	200
7/19/2020	8	1099.8	2380	709.8	200	0	0	200
7/19/2020	9	1099.8	2380	709.5	200	0	0	200
7/19/2020	10	1099.8	2380	709.6	200	0	0	200
7/19/2020	11	1099.8	2390	709.5	200	0	0	200
7/19/2020	12	1099.8	2380	709.5	200	0	0	200
7/19/2020	13	1099.8	2380	709.5	200	0	0	200
7/19/2020	14	1099.8	2380	709.5	200	0	0	200
7/19/2020	15	1099.8	2380	709.5	200	0	0	200
7/19/2020	16	1099.8	2380	709.8	200	0	0	200
7/19/2020	17	1099.8	2380	709.9	200	0	0	200
7/19/2020	18	1099.8	2380	710.0	200	0	0	200
7/19/2020	19	1099.8	2380	710.1	200	0	0	200
7/19/2020	20	1099.8	2380	710.1	200	0	0	200
7/19/2020	21	1099.8	2380	710.1	200	0	0	200
7/19/2020	22	1099.8	2380	710.2	200	0	0	200
7/19/2020	23	1099.8	2380	710.4	200	0	0	200
7/19/2020	24	1099.8	2380	710.6	200	0	0	200
7/20/2020	1	1099.8	2380	710.5	200	0	0	200
7/20/2020	2	1099.8	2370	710.4	200	0	0	200
7/20/2020	3	1099.8	2380	710.3	200	0	0	200
7/20/2020	4	1099.8	2390	710.4	200	0	0	200
7/20/2020	5	1099.8	2400	710.4	200	0	0	200
7/20/2020	6	1099.8	2400	710.4	200	0	0	200
7/20/2020	7	1099.8	1160	710.0	200	0	0	200
7/20/2020	8	1099.8	1080	710.0	200	0	0	200
7/20/2020	9	1099.8	1100	709.8	200	0	0	200
7/20/2020	10	1099.8	1180	709.6	200	0	0	200
7/20/2020	11	1099.8	1190	709.4	200	0	0	200
7/20/2020	12	1099.8	1170	709.3	200	0	0	200
7/20/2020	13	1099.8	1150	709.2	200	0	0	200
7/20/2020	14	1099.8	1150	709.0	200	0	0	200

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)
7/20/2020	15	1099.8	1140	709.0	200	0	0	200
7/20/2020	16	1099.8	1140	709.1	200	352	0	552
7/20/2020	17	1099.8	1140	709.1	200	804	0	1004
7/20/2020	18	1099.8	1150	709.3	200	373	0	573
7/20/2020	19	1099.8	1150	709.3	200	363	0	563
7/20/2020	20	1099.9	1140	709.3	200	229	0	429
7/20/2020	21	1099.9	1140	709.4	200	0	0	200
7/20/2020	22	1099.9	1140	709.4	200	0	0	200
7/20/2020	23	1099.9	1150	709.4	200	505	0	705
7/20/2020	24	1099.9	1140	709.3	200	975	0	1175
7/21/2020	1	1099.9	1150	709.3	200	1101	0	1301
7/21/2020	2	1099.9	1140	709.1	200	1103	0	1303
7/21/2020	3	1099.9	1150	709.5	200	1103	0	1303
7/21/2020	4	1099.9	1150	709.6	200	1103	0	1303
7/21/2020	5	1099.9	1160	709.8	200	1103	0	1303
7/21/2020	6	1099.9	1160	709.8	200	1103	0	1303
7/21/2020	7	1099.9	1160	709.9	200	1103	0	1303
7/21/2020	8	1099.9	1150	709.9	200	1102	0	1303
7/21/2020	9	1099.9	1150	709.9	200	1102	0	1302
7/21/2020	10	1099.9	1150	710.0	200	1102	0	1302
7/21/2020	11	1099.9	1150	710.1	200	1102	0	1302
7/21/2020	12	1099.9	1150	710.3	200	1102	0	1302
7/21/2020	13	1099.9	1160	710.3	200	1102	0	1302
7/21/2020	14	1099.9	1150	710.4	200	1102	0	1302
7/21/2020	15	1099.9	1160	710.7	200	1102	0	1302
7/21/2020	16	1099.9	1160	710.8	200	1247	0	1447
7/21/2020	17	1099.9	1160	710.7	200	1603	0	1804
7/21/2020	18	1099.9	1160	710.6	200	1603	0	1803
7/21/2020	19	1099.9	1170	710.5	200	1603	0	1803
7/21/2020	20	1099.9	1190	710.3	200	1604	0	1804
7/21/2020	21	1099.9	1190	710.2	200	1606	0	1806
7/21/2020	22	1099.9	1180	710.0	200	1714	0	1915
7/21/2020	23	1099.9	1160	710.4	200	2109	0	2309
7/21/2020	24	1099.9	1150	710.6	200	2110	0	2310
7/22/2020	1	1099.9	1160	710.7	200	2109	0	2309
7/22/2020	2	1099.9	1160	710.4	200	2109	0	2309
7/22/2020	3	1099.9	1150	710.2	200	2107	0	2307
7/22/2020	4	1099.9	1160	710.1	200	2106	0	2306
7/22/2020	5	1099.9	1150	710.2	200	2107	0	2307
7/22/2020	6	1099.9	1160	710.2	200	2107	0	2307
7/22/2020	7	1099.9	1150	710.2	200	2106	0	2306
7/22/2020	8	1099.9	1150	710.1	200	2105	0	2305
7/22/2020	9	1099.9	1150	710.1	200	2105	0	2306
7/22/2020	10	1099.9	1150	710.0	200	1963	0	2163
7/22/2020	11	1099.9	1150	710.2	200	1837	0	2037
7/22/2020	12	1099.9	1150	710.3	200	1801	0	2001
7/22/2020	13	1099.9	1150	710.5	200	1800	0	2000

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)
7/22/2020	14	1099.9	1150	710.5	200	1802	0	2002
7/22/2020	15	1099.9	1150	710.5	200	1802	0	2002
7/22/2020	16	1099.9	1150	710.5	200	1801	0	2001
7/22/2020	17	1099.9	1690	710.6	200	1801	0	2001
7/22/2020	18	1099.9	2380	710.8	200	1802	0	2002
7/22/2020	19	1099.9	2380	710.8	200	1803	0	2003
7/22/2020	20	1099.9	2370	710.7	200	1802	0	2002
7/22/2020	21	1099.9	2370	710.7	200	1802	0	2002
7/22/2020	22	1099.9	2370	710.7	200	1803	0	2004
7/22/2020	23	1099.9	2380	710.8	200	1803	0	2003
7/22/2020	24	1099.9	2380	710.5	200	1802	0	2002
7/23/2020	1	1099.9	2380	710.4	200	1802	0	2002
7/23/2020	2	1099.9	2380	710.5	200	1802	0	2002
7/23/2020	3	1099.9	2380	710.6	200	1802	0	2002
7/23/2020	4	1099.9	2380	710.6	200	1800	0	2000
7/23/2020	5	1099.9	2390	710.5	200	1799	0	1999
7/23/2020	6	1099.9	2380	710.5	200	1765	0	1965
7/23/2020	7	1099.9	2380	710.5	200	1598	0	1798
7/23/2020	8	1099.9	2380	710.4	200	1401	0	1601
7/23/2020	9	1099.9	2380	710.3	200	1311	0	1511
7/23/2020	10	1099.9	2380	710.3	201	1119	0	1320
7/23/2020	11	1099.9	2370	710.3	201	924	0	1125
7/23/2020	12	1099.8	2380	710.2	201	764	0	965
7/23/2020	13	1099.8	2370	710.1	201	704	0	904
7/23/2020	14	1099.9	2380	710.1	200	624	0	824
7/23/2020	15	1099.8	2350	709.9	200	603	0	804
7/23/2020	16	1099.8	2300	709.8	200	603	0	803
7/23/2020	17	1099.8	2300	710.0	200	603	0	803
7/23/2020	18	1099.8	2310	710.0	200	604	0	803
7/23/2020	19	1099.8	2320	710.2	200	604	0	804
7/23/2020	20	1099.8	2310	710.2	200	603	0	803
7/23/2020	21	1099.8	2310	710.2	200	604	0	804
7/23/2020	22	1099.8	2300	710.3	200	604	0	804
7/23/2020	23	1099.8	2310	710.2	200	604	0	804
7/23/2020	24	1099.8	2310	710.2	200	604	0	804
7/24/2020	1	1099.8	2330	710.2	200	604	0	804
7/24/2020	2	1099.8	2320	710.1	200	604	0	804
7/24/2020	3	1099.8	2320	709.9	200	604	0	804
7/24/2020	4	1099.8	2320	709.9	200	603	0	803
7/24/2020	5	1099.8	2340	710.0	200	603	0	803
7/24/2020	6	1099.8	2350	710.0	200	603	0	803
7/24/2020	7	1099.8	2320	710.1	200	602	0	802
7/24/2020	8	1099.8	2310	710.0	200	602	0	802
7/24/2020	9	1099.8	2310	709.9	200	602	0	802
7/24/2020	10	1099.8	2300	709.8	200	602	0	802
7/24/2020	11	1099.7	2320	709.8	200	601	0	801
7/24/2020	12	1099.8	2330	710.0	200	517	0	718

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)
7/24/2020	13	1099.8	2320	709.9	201	417	0	617
7/24/2020	14	1099.8	2310	709.8	201	360	0	561
7/24/2020	15	1099.8	2310	709.7	201	310	0	510
7/24/2020	16	1099.8	2320	709.6	201	259	0	460
7/24/2020	17	1099.8	2290	709.5	201	233	0	434
7/24/2020	18	1099.8	2310	709.7	201	208	0	409
7/24/2020	19	1099.8	2320	710.0	201	182	0	384
7/24/2020	20	1099.8	2330	710.1	201	157	0	358
7/24/2020	21	1099.8	2320	710.1	201	134	0	334
7/24/2020	22	1099.8	2320	709.9	200	130	0	330
7/24/2020	23	1099.8	2310	710.0	200	129	0	329
7/24/2020	24	1099.8	2320	710.1	200	129	0	329
7/25/2020	1	1099.8	2310	709.9	200	129	0	329
7/25/2020	2	1099.8	2320	709.8	200	129	0	329
7/25/2020	3	1099.8	2340	709.6	200	128	0	328
7/25/2020	4	1099.8	2300	709.5	200	128	0	328
7/25/2020	5	1099.8	2320	709.4	200	128	0	328
7/25/2020	6	1099.8	2330	709.5	200	115	0	315
7/25/2020	7	1099.7	2320	709.4	201	91	0	292
7/25/2020	8	1099.7	2310	709.6	201	66	0	267
7/25/2020	9	1099.7	2320	709.6	201	41	0	242
7/25/2020	10	1099.7	2320	709.6	200	16	0	217
7/25/2020	11	1099.7	2310	709.7	201	0	0	201
7/25/2020	12	1099.7	2320	709.6	200	0	0	200
7/25/2020	13	1099.7	2310	709.6	200	0	0	200
7/25/2020	14	1099.6	2320	709.6	200	0	0	200
7/25/2020	15	1099.7	2320	709.7	200	0	0	200
7/25/2020	16	1099.7	2320	709.7	200	0	0	200
7/25/2020	17	1099.6	2330	709.7	200	0	0	200
7/25/2020	18	1099.6	2340	709.9	200	0	0	200
7/25/2020	19	1099.6	2340	710.0	200	0	0	200
7/25/2020	20	1099.6	2290	709.9	200	0	0	200
7/25/2020	21	1099.6	2320	709.7	200	0	0	200
7/25/2020	22	1099.6	2290	709.6	200	0	0	200
7/25/2020	23	1099.6	2310	709.5	200	0	0	200
7/25/2020	24	1099.6	2330	709.5	200	0	0	200
7/26/2020	1	1099.6	2300	709.5	200	0	0	200
7/26/2020	2	1099.6	2300	709.3	200	0	0	200
7/26/2020	3	1099.6	2320	709.3	200	0	0	200
7/26/2020	4	1099.6	2320	709.2	200	0	0	200
7/26/2020	5	1099.6	2320	709.2	200	0	0	200
7/26/2020	6	1099.6	2320	709.2	200	0	0	200
7/26/2020	7	1099.6	2320	709.0	200	0	0	200
7/26/2020	8	1099.6	2310	708.9	200	0	0	200
7/26/2020	9	1099.6	2330	708.8	200	0	0	200
7/26/2020	10	1099.6	2340	708.8	200	0	0	200
7/26/2020	11	1099.6	2330	708.8	200	0	0	200



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)
7/26/2020	12	1099.6	2340	708.7	200	0	0	200
7/26/2020	13	1099.6	2370	708.8	200	0	0	200
7/26/2020	14	1099.6	2360	708.8	200	0	0	200
7/26/2020	15	1099.6	2370	708.9	200	0	0	200
7/26/2020	16	1099.6	2380	709.0	200	0	0	200
7/26/2020	17	1099.6	2370	709.2	200	0	0	200
7/26/2020	18	1099.5	2380	709.4	200	0	0	200
7/26/2020	19	1099.6	2390	709.5	200	0	0	200
7/26/2020	20	1099.6	2370	709.5	200	0	0	200
7/26/2020	21	1099.6	2360	709.6	200	0	0	200
7/26/2020	22	1099.6	2370	709.8	200	0	0	200
7/26/2020	23	1099.6	2370	709.9	200	0	0	200
7/26/2020	24	1099.6	2380	709.9	200	0	0	200
7/27/2020	1	1099.6	2380	709.9	200	0	0	200
7/27/2020	2	1099.6	2380	709.8	200	0	0	200
7/27/2020	3	1099.6	2380	709.9	200	0	0	200
7/27/2020	4	1099.5	2380	710.0	200	0	0	200
7/27/2020	5	1099.6	2390	709.9	200	0	0	200
7/27/2020	6	1099.6	2390	709.8	200	0	0	200
7/27/2020	7	1099.5	2390	709.7	200	0	0	200
7/27/2020	8	1099.5	2390	709.7	200	0	0	200
7/27/2020	9	1099.6	2390	709.6	194	0	0	194
7/27/2020	10	1099.6	2380	709.5	178	0	0	178
7/27/2020	11	1099.5	2380	709.4	162	0	0	162
7/27/2020	12	1099.5	2370	709.3	146	0	0	146
7/27/2020	13	1099.5	2380	709.2	132	0	0	132
7/27/2020	14	1099.6	2370	709.3	116	0	0	116
7/27/2020	15	1099.6	2370	709.5	100	0	0	100
7/27/2020	16	1099.5	2370	709.5	86	0	0	86
7/27/2020	17	1099.5	2380	709.7	85	0	0	85
7/27/2020	18	1099.5	2380	709.8	85	0	0	85
7/27/2020	19	1099.5	2390	709.9	85	0	0	85
7/27/2020	20	1099.5	2370	710.1	85	0	0	85
7/27/2020	21	1099.5	2370	710.4	85	0	0	85
7/27/2020	22	1099.5	2360	710.3	85	0	0	85
7/27/2020	23	1099.5	2380	710.2	85	0	0	85
7/27/2020	24	1099.5	2380	710.1	85	0	0	85
7/28/2020	1	1099.5	2380	710.0	85	0	0	85
7/28/2020	2	1099.5	2390	710.1	85	0	0	85
7/28/2020	3	1099.6	2390	710.1	85	0	0	85
7/28/2020	4	1099.5	2380	710.0	85	0	0	85
7/28/2020	5	1099.5	2390	709.8	85	0	0	85
7/28/2020	6	1099.5	2390	709.8	85	0	0	85
7/28/2020	7	1099.5	2380	709.9	85	0	0	85
7/28/2020	8	1099.5	2380	710.0	85	0	0	85
7/28/2020	9	1099.5	2390	710.1	85	0	0	85
7/28/2020	10	1099.5	2390	710.1	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)
7/28/2020	11	1099.5	2380	709.9	85	0	0	85
7/28/2020	12	1099.5	2390	709.9	85	0	0	85
7/28/2020	13	1099.5	2380	709.8	85	0	0	85
7/28/2020	14	1099.5	2370	709.8	85	0	0	85
7/28/2020	15	1099.5	2370	709.9	85	0	0	85
7/28/2020	16	1099.5	2380	710.0	85	0	0	85
7/28/2020	17	1099.5	2390	710.2	85	0	0	85
7/28/2020	18	1099.5	2380	710.4	85	0	0	85
7/28/2020	19	1099.5	2390	710.4	85	0	0	85
7/28/2020	20	1099.5	2370	710.4	85	0	0	85
7/28/2020	21	1099.5	2380	710.2	85	0	0	85
7/28/2020	22	1099.5	2360	710.2	85	0	0	85
7/28/2020	23	1099.5	2370	710.1	85	0	0	85
7/28/2020	24	1099.5	2360	709.9	85	0	0	85
7/29/2020	1	1099.5	130	709.5	85	0	0	85
7/29/2020	2	1099.5	0	709.5	85	0	0	85
7/29/2020	3	1099.5	0	709.6	85	0	0	85
7/29/2020	4	1099.5	0	709.5	85	0	0	85
7/29/2020	5	1099.5	0	709.5	85	0	0	85
7/29/2020	6	1099.5	30	709.7	85	0	0	85
7/29/2020	7	1099.5	2290	709.9	85	0	0	85
7/29/2020	8	1099.5	2390	710.0	85	0	0	85
7/29/2020	9	1099.5	2390	709.9	85	0	0	85
7/29/2020	10	1099.5	2380	709.8	85	0	0	85
7/29/2020	11	1099.5	2390	709.6	85	0	0	85
7/29/2020	12	1099.5	2380	709.4	85	0	0	85
7/29/2020	13	1099.5	2380	709.3	85	0	0	85
7/29/2020	14	1099.5	2380	709.4	85	0	0	85
7/29/2020	15	1099.5	2390	709.5	85	0	0	85
7/29/2020	16	1099.5	2380	709.6	85	0	0	85
7/29/2020	17	1099.5	2380	709.6	85	0	0	85
7/29/2020	18	1099.5	2380	709.7	85	0	0	85
7/29/2020	19	1099.5	2390	709.9	85	0	0	85
7/29/2020	20	1099.5	2370	709.9	85	0	0	85
7/29/2020	21	1099.5	2370	709.9	85	0	0	85
7/29/2020	22	1099.5	2370	709.9	85	0	0	85
7/29/2020	23	1099.5	170	709.5	85	0	0	85
7/29/2020	24	1099.5	0	709.5	85	0	0	85
7/30/2020	1	1099.5	0	709.4	85	0	0	85
7/30/2020	2	1099.5	0	709.4	85	0	0	85
7/30/2020	3	1099.5	0	709.6	85	0	0	85
7/30/2020	4	1099.5	0	709.8	85	0	0	85
7/30/2020	5	1099.5	0	709.7	85	0	0	85
7/30/2020	6	1099.5	10	709.6	85	0	0	85
7/30/2020	7	1099.5	2030	710.0	85	0	0	85
7/30/2020	8	1099.5	2380	709.9	85	0	0	85
7/30/2020	9	1099.5	2380	709.7	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)
7/30/2020	10	1099.5	2390	709.6	85	0	0	85
7/30/2020	11	1099.5	2390	709.7	85	0	0	85
7/30/2020	12	1099.5	2390	709.8	85	0	0	85
7/30/2020	13	1099.5	2390	710.2	85	0	0	85
7/30/2020	14	1099.5	2400	710.3	85	0	0	85
7/30/2020	15	1099.5	2390	710.5	85	0	0	85
7/30/2020	16	1099.5	2390	710.6	85	0	0	85
7/30/2020	17	1099.5	2400	710.5	85	0	0	85
7/30/2020	18	1099.5	2400	710.4	85	0	0	85
7/30/2020	19	1099.5	2400	710.5	85	0	0	85
7/30/2020	20	1099.5	2390	710.6	85	0	0	85
7/30/2020	21	1099.5	2370	710.5	85	0	0	85
7/30/2020	22	1099.5	2360	710.5	85	0	0	85
7/30/2020	23	1099.5	90	710.2	85	0	0	85
7/30/2020	24	1099.5	0	710.0	85	0	0	85
7/31/2020	1	1099.5	0	709.7	85	0	0	85
7/31/2020	2	1099.5	0	709.2	85	0	0	85
7/31/2020	3	1099.5	0	709.3	85	0	0	85
7/31/2020	4	1099.5	0	709.6	85	0	0	85
7/31/2020	5	1099.6	0	709.8	85	0	0	85
7/31/2020	6	1099.6	10	709.8	85	0	0	85
7/31/2020	7	1099.6	2220	709.9	85	0	0	85
7/31/2020	8	1099.6	2370	709.6	85	0	0	85
7/31/2020	9	1099.6	2390	709.8	85	0	0	85
7/31/2020	10	1099.5	2380	710.3	85	0	0	85
7/31/2020	11	1099.6	2390	710.4	85	0	0	85
7/31/2020	12	1099.6	2390	710.6	85	0	0	85
7/31/2020	13	1099.5	2390	710.3	85	0	0	85
7/31/2020	14	1099.5	2380	710.3	85	0	0	85
7/31/2020	15	1099.6	2380	710.3	85	0	0	85
7/31/2020	16	1099.5	2380	710.4	85	0	0	85
7/31/2020	17	1099.5	2390	710.3	85	0	0	85
7/31/2020	18	1099.6	2380	710.1	85	0	0	85
7/31/2020	19	1099.6	2380	710.3	85	0	0	85
7/31/2020	20	1099.6	2370	710.5	85	0	0	85
7/31/2020	21	1099.6	2370	710.5	85	0	0	85
7/31/2020	22	1099.6	2340	710.3	85	0	0	85
7/31/2020	23	1099.6	110	709.9	85	0	0	85
7/31/2020	24	1099.6	0	709.9	85	0	0	85