

**From:** [Hays, Steve](#)  
**To:** "[Breean Zimmerman \(bzim461@ecy.wa.gov\)](#)"; "[Peterschmidt, Mark F. \(ECY\) \(mape461@ecy.wa.gov\)](#)"; "[Jim Pacheco](#)"; "[Korth, Jeffrey](#)"; "[Graham Simon](#)"; "[travis.maitland@dfw.wa.gov](#)"; "[Kari Grover Wier](#)"; "[Alex Martinez \(ramartinez@fs.fed.us\)](#)"; "[rvacirca@fs.fed.us](#)"; "[Ashley Rawhouser@nps.gov](#)"; "[Hugh Anthony@nps.gov](#)"; "[Steve Lewis \(Stephen\\_Lewis@fws.gov\)](#)"; "[Rich Domingue \(richard.domingue@noaa.gov\)](#)"; "[Justin Yeager \(Justin.Yeager@noaa.gov\)](#)"; "[Bill Towey](#)"; "[Bob Rose \(rosb@yakamafish-nsn.gov\)](#)"; "[Carl Merkle \(carlmerkle@ctuir.com\)](#)"; "[Robert Goedde \(bgoedde@cityofchelan.us\)](#)"; "[Phil Archibald \(ndmarkey@gmail.com\)](#)"; "[Nick Elwell](#)"; "[tom.ernsberger@parks.wa.gov](#)"; "[nona.snell@rco.wa.gov](#)"; "[wai@mansonparks.com](#)"; "[Richard Uhlhorn \(richard@richarduhlhorn.com\)](#)"; "[Thomas O'Keefe \(okeefe@amwhitewater.org\)](#)"  
**Cc:** [Osborn, Jeff](#); [Smith, Michelle](#); [Sokolowski, Rosana](#); [Clement, Marcie](#); [Bitterman, Deborah](#); [Buehn, Scott](#); [Campbell, Rob](#); [Willard, Catherine](#); [Underwood, Alene](#)  
**Subject:** 2016 - July Chelan River Hourly and Daily Average Flow Data  
**Date:** Tuesday, August 30, 2016 2:27:16 PM  
**Attachments:** [2016 Daily Average Flow Data July Report.pdf](#)  
[2016 Hourly Flow Data July Report.pdf](#)

---

PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY

P.O. Box 1231, Wenatchee, WA 98807-1231 • 327 N. Wenatchee Ave., Wenatchee, WA 98801

(509) 663-8121 • Toll free 1-888-663-8121 • [www.chelanpud.org](http://www.chelanpud.org)

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)

City of Chelan

Lake Chelan Sportsman Association

United States Geological Survey

Washington State Parks and Recreation Commission

Washington State Recreation and Conservation Office

Manson Parks and Recreation Department

Lake Chelan Recreation Association

American Whitewater

From: Steven Hays, Fish & Wildlife Senior Advisor  
Public Utility District No. 1 of Chelan County (Chelan PUD)  
steve.hays@chelanpud.org  
(509)661-4181

Re: Lake Chelan Hydroelectric Project No. 637 (Project)  
License Article 405a - 2016 Hourly and Daily  
Average Flow Data July Report

-----  
-----

Dear Chelan River Fishery Forum and Other Parties:

This email is to provide you, in the attached files, with the written July flow information for 2016. This July Flow Report 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 Lake Chelan Implementation web page under resource documents.

Steven Hays

Fish and Wildlife Senior Advisor

[steve.hays@chelanpud.org](mailto:steve.hays@chelanpud.org)

(509) 661-4181

## 2016 Daily Average Flow Data - July

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)
7/1/2016	1099.8	2367	710.5	82	2755	0	2837
7/2/2016	1099.7	2365	709.8	82	1682	0	1764
7/3/2016	1099.7	2370	709.9	82	1280	0	1363
7/4/2016	1099.7	2375	710.0	82	1896	0	1979
7/5/2016	1099.6	2370	709.8	82	1235	0	1318
7/6/2016	1099.5	2375	709.8	82	414	0	496
7/7/2016	1099.5	2371	709.7	82	227	0	309
7/8/2016	1099.5	2369	709.4	82	122	0	204
7/9/2016	1099.5	2365	709.1	82	117	0	199
7/10/2016	1099.6	33	708.4	82	115	0	198
7/11/2016	1099.7	1114	708.9	81	116	0	197
7/12/2016	1099.7	2293	709.4	82	117	0	199
7/13/2016	1099.6	2381	709.4	82	124	0	206
7/14/2016	1099.6	2375	709.7	82	129	0	212
7/15/2016	1099.6	1622	709.8	82	128	0	210
7/16/2016	1099.6	1612	709.4	82	52	0	134
7/17/2016	1099.6	915	709.3	82	0	0	82
7/18/2016	1099.6	1998	709.5	82	0	0	82
7/19/2016	1099.6	2390	709.2	82	0	0	82
7/20/2016	1099.6	2365	709.3	82	0	0	82
7/21/2016	1099.6	2371	709.8	82	0	0	82
7/22/2016	1099.6	1877	709.0	82	0	0	82
7/23/2016	1099.6	1868	709.1	82	0	0	82
7/24/2016	1099.6	22	708.7	83	0	0	83
7/25/2016	1099.7	1632	709.3	83	0	1	84
7/26/2016	1099.7	2387	709.5	83	0	0	83
7/27/2016	1099.7	2378	709.4	83	0	0	83
7/28/2016	1099.7	2381	709.3	83	0	0	83
7/29/2016	1099.7	2376	709.6	83	0	0	83
7/30/2016	1099.7	2379	709.0	83	0	0	83
7/31/2016	1099.7	2384	709.0	83	0	0	83