



PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY
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February 28, 2012

VIA ELECTRONIC FILING

Honorable Kimberly D. Bose, Secretary
Nathaniel J. Davis, Sr., Deputy Secretary
FEDERAL ENERGY REGULATORY COMMISSION
888 First Street, NE
Washington, DC 20426

Re: **Lake Chelan Hydroelectric Project No. 637-022**
Article 405b – 2011 Annual Lake Level Report dated February 28, 2012

Dear Secretary Bose and Deputy Secretary Davis:

The Federal Energy Regulatory Commission (Commission) issued the “Order Modifying and Approving Operations Compliance and Monitoring Plan (Plan), Article 405” on November 30, 2007. The Plan satisfied the License Article 405 requirement of the “Order on Offer of Settlement and Issuing New License”¹ (License) and “Order on Rehearing”² for the Lake Chelan Hydroelectric Project (Project) on November 6, 2006, and April 19, 2007, respectively.

Under Ordering Paragraph (C) modifying the Plan under Article 405, Chelan PUD is required to file the following report with the Commission.

(C) The licensee shall file annually with the Commission by February 28, beginning in 2009, their Annual Lake Level Report. The licensee shall allow the resource agencies, Tribes and non-governmental organizations specified under Article 405, 30 days to provide comments and/or recommendations on their report before filing with the Commission. The filing shall include comments and/or recommendations from the consulted entities and the licensee’s response to any comments. If the licensee does not adopt a recommendation, the report shall include the licensee’s reasons, based on project-specific information. Based on review of the report, the Commission reserves the right to require changes to the project to ensure compliance with the license.

¹ 117 FERC ¶ 62,129

² 119 FERC ¶ 61,055

*Ms. Kimberly D. Bose, Secretary
Mr. Nathaniel J. Davis, Sr., Deputy Secretary
Federal Energy Regulatory Commission*

In accordance with the above Order requirement, Chelan PUD hereby files the 2011 Annual Lake Level Report dated February 28, 2012. This report compares monthly actual and target lake levels; and runoff volume forecasts and other factors influencing achievement of targeted lake levels. A final draft of this report was provided to the resource agencies, Tribes and non-governmental organizations specified for 30-day review, which ended February 28.³ No comments were received.

Please do not hesitate to contact me or Waikele Franz (509-661-4627) of my office regarding any questions or comments regarding this plan.

Sincerely,



Michelle Smith
Licensing and Compliance Manager
michelle.smith@chelanpud.org
(509) 661-4180

cc: Erich Gaedeke, FERC-PRO

Enclosure: Lake Chelan 2011 Annual Lake Level Report

³ This correspondence is available at the following Internet address:
http://www.chelanpud.org/departments/licensingCompliance/LC_implementation/corres/38194.pdf

LAKE CHELAN ANNUAL LAKE LEVEL REPORT 2010-2011 OPERATING CYCLE

LICENSE ARTICLE 405

FINAL

**LAKE CHELAN HYDROELECTRIC PROJECT
FERC Project No. 637**

February 28, 2012



**Public Utility District No. 1 of Chelan County
Wenatchee, Washington**

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EXECUTIVE SUMMARY

Chelan PUD received a new license (License) from the Federal Energy Regulatory Commission (FERC)¹ on November 6, 2006, authorizing Chelan PUD to operate the Lake Chelan dam and powerhouse for a period of 50 years. License Article 405 requires Chelan PUD to annually file with FERC a report comparing monthly actual and target lake levels; and runoff volume forecasts and other factors influencing achievement of targeted lake levels.

Chelan PUD manages lake levels following an annual Operating Cycle (September 1, 2010 through August 31, 2011) that starts to release water from Lake Chelan for power generation and other purposes from September through March, and then typically refills Lake Chelan from April through July. The degree to which water is released from Lake Chelan and resulting annual minimum lake elevation is managed by Chelan PUD based on predicted inflow from rain and snowmelt.

Lake Chelan levels are managed to meet operating objectives and monthly minimum target elevations from May 1 through October 1, as described in Section 2 of this report. Lake level objectives in the Project License include target lake levels for certain dates, which are intended to balance constraints for flood control, recreation, protection of fish resources, prevention of erosion, and maintaining minimum flows in the Chelan River.

During 2011, Chelan PUD managed lake levels as runoff forecasts evolved through winter and spring. Specifically, initial forecasts on March 1 were for 82% of average runoff from April 1 through July 31. On April 1, runoff forecasts had increased to 115% of average. In May, the runoff forecast had increased to a range of 120% to 135% of average.

The May 1 lake level elevation was 1,083.15 feet which was about 4.5 feet below the May 1 target elevation of 1,087.6 feet. The target elevation for May was met on May 23. The June 1 lake level elevation was 1,089.47, which was approximately 4.5 feet below the target elevation of 1,094 feet. The target elevation for June was met on June 17. The lake level was intentionally held below target elevations on May 1 and June 1 in anticipation of a high and late runoff year. Chapter 8, Section 3.2 of the Settlement Agreement comprehensive plan² allows for flexibility to not meet target elevations in an expected high and/or late runoff year. Significant late spring snowpack accumulation and later than average runoff were consistent with long range forecasts for a cool and wet spring. Key reasons for keeping Lake Chelan below target elevations were to meet the operating objectives of minimizing high spill in the Chelan River in order to protect recently constructed fish habitat and for flood control.

Generation and spill were managed throughout the month of June to meet the July 1 target elevation of 1,098.0. Chelan PUD began spilling on June 1 for 23 days, and again on June 30 to

¹ Federal Energy Regulatory Commission Order on Offer of Settlement and Issuing New License and Order on Rehearing for the Lake Chelan Hydroelectric Project No. 637 were issued November 6, 2006, and April 19, 2007, respectively, to the Public Utility District No. 1 of Chelan County.

² See Final Comprehensive Settlement Agreement for Lake Chelan Project No. 637 (filed October 2003) (Settlement Agreement).

manage the refill rate of Lake Chelan in order to meet license objectives, lake elevation targets, and protect recently constructed fish habitat in the Chelan River. The July 1 target lake level of 1,098.0 was met and spill for lake level management continued until July 22. Further spill to prevent exceeding maximum lake levels occurred July 25-26 and July 29-August 11.

Lake levels remained at or above (August, September, and October) minimum target lake elevations that are contained in the project license.

SECTION 1: INTRODUCTION

The Lake Chelan Hydroelectric Project (Project) is owned and operated by Public Utility District No. 1 of Chelan County (Chelan PUD). Chelan PUD received a new license (License) from the Federal Energy Regulatory Commission (FERC) on November 6, 2006, authorizing Chelan PUD to operate Lake Chelan dam and powerhouse for a period of 50 years. As part of normal operation of the Project, Chelan PUD withdraws water from Lake Chelan for power generation, which results in lake levels being lowered during the winter in order to make room for spring runoff, and refill during spring and early summer when inflows to Lake Chelan increase from melting snow. During the public process associated with relicensing the Project, Chelan PUD held a number of meetings and negotiating sessions with representatives of local property owners, resort owners and other stakeholders with an interest in the effect of the Project's operation on the timing of drawdown and refill of Lake Chelan. As a result of the negotiations, a set of priorities and schedule for lake level operations were developed and incorporated into a settlement agreement, which was signed by state and federal land and resource management agencies, the City of Chelan and other stakeholders. The settlement agreement was incorporated into Chelan PUD's application for a new license and FERC included those lake level operating priorities and schedule into the License.

License Article 405 requires Chelan PUD to annually file with FERC a report comparing monthly actual and target lake levels; and runoff volume forecasts and other factors influencing achievement of targeted lake levels. License Article 405 also required Chelan PUD to file an Operations Compliance Monitoring Plan (OCMP), which was to describe how Chelan PUD will comply with: (1) the instream flows, ramping rates, and tailrace flows as set forth in Article 7 of the Lake Chelan Settlement Agreement and Chapter 7 of the Comprehensive Plan attached to the Settlement Agreement; and (2) lake levels as set forth in Article 8 of the Settlement Agreement and Chapter 8 of the Comprehensive Plan. The OCMP was submitted and FERC issued an order that modified and approved the OCMP on November 30, 2007.

Chelan PUD manages lake levels following an annual Operating Cycle, beginning in September, which starts to release water from Lake Chelan to meet operating objectives and for power generation from September through March, and then refills Lake Chelan from April through July, with a target of reaching 1,098 feet on July 1. Chelan PUD makes every reasonable effort to manage the lake level at full, between 1,098 – 1,100 feet above mean sea level, from July through early September to benefit recreational use of the lake. The degree to which water is released from the lake and the resulting annual minimum lake elevation is managed by Chelan PUD based on predicted inflow from rain and snowmelt. The License sets a minimum lake level elevation of 1,079 feet and a maximum lake level elevation at 1,100 feet. Chelan PUD monitors snowfall in the Lake Chelan runoff basin and predicts snowmelt runoff timing and volume on a monthly basis from December – August. Chelan PUD manages power generation and spill to reasonably assure that refill of Lake Chelan will be accomplished by June 30. The License also establishes target minimum lake levels for the period from May 1 – October 1 that Chelan PUD will make every reasonable effort to meet consistent with other management constraints for flood control, protection of fish resources and prevention of erosion. Chelan PUD managed power generation and spill with the intent of meeting target lake levels by using runoff volume and

precipitation forecasts, past experience with runoff timing and actual lake levels. This report of lake level operations documents available information and Chelan PUD's decisions regarding operation of the powerhouse for lake level management and attainment of target lake levels during the September 2010 – August 2011 lake management Operating Cycle.

SECTION 2: LAKE CHELAN LAKE LEVELS, INFLOWS AND OUTFLOWS

Chelan PUD operates Lake Chelan lake elevations per License Article 302 and 405 to meet FERC required minimum (1,079 feet) and maximum (1,100 feet) water level elevations. Lake level objectives in the Project License include monthly minimum target lake levels for May 1 through October 1, which are intended to balance the needs of recreation, erosion, and fish protection (Table 2-1 below). Chelan PUD manages lake levels based on monitoring of snowpack water content, lake level, and projected precipitation and runoff timing. As stated in License Article 302 and 405, monthly target lake elevations are managed with the following objectives in mind:

- Maintaining minimum flows in the Chelan River (this objective has priority over lake levels);
- Reducing high flows in the Chelan River (this objective has priority over lake levels);
- Satisfying regulatory requirements for flood control (adjusting lake level);
- Providing usable lake levels for recreation (which varies between elevation 1,090 feet and 1,098 feet, depending on the slope of the shoreline and boat dock configurations);
- Reduce shoreline erosion;
- Preventing fish passage blockages (due to tributary barriers); and
- Minimizing the effect of refill on attainment of flow objectives for salmon in the mainstem Columbia River.

Chelan PUD operates the Project to meet, to the extent practicable, monthly minimum target lake elevations from May 1 to October 1, as shown below in Table 2-1.

2.1 Lake Levels – Actual Compared to Targets

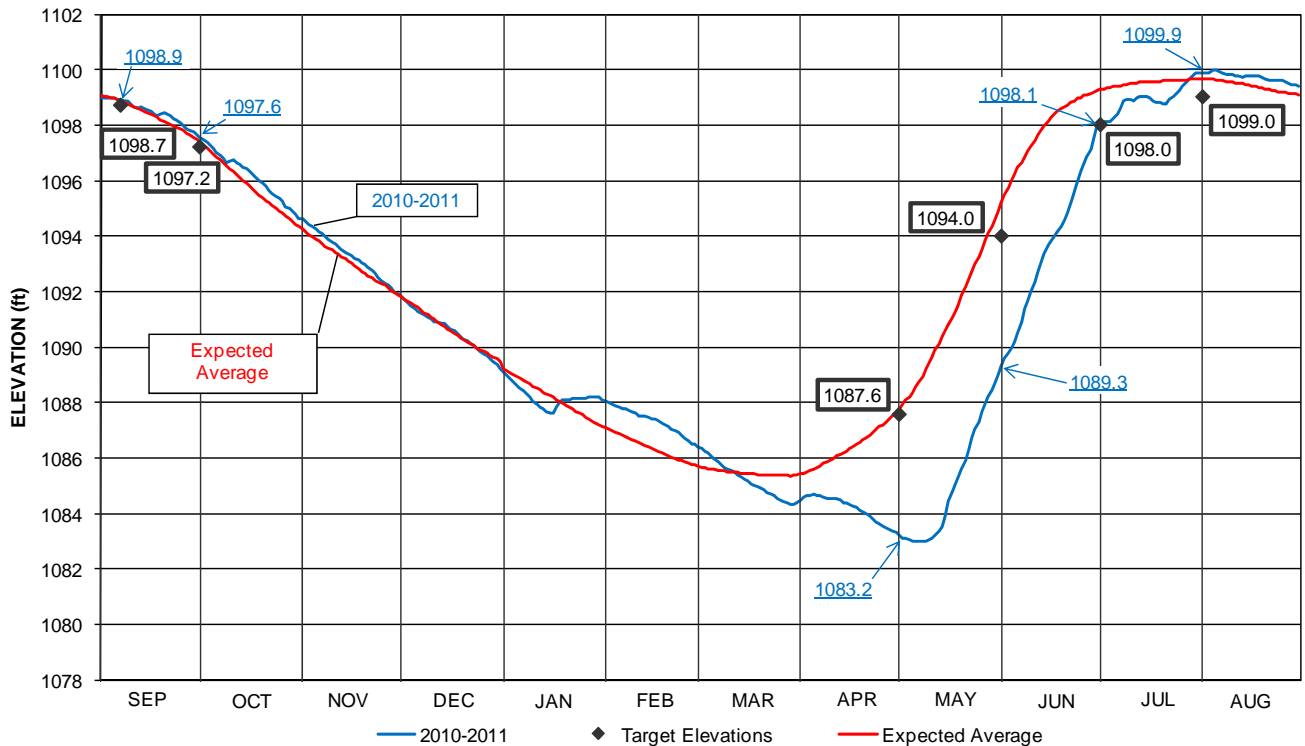
The May 1 lake level elevation was 1,083.15 feet which was 4.5 feet below the May 1 target elevation of 1,087.6 feet. The target elevation for May was met on May 23. The June 1 lake level elevation was 1,089.47, which was 4.5 feet below the target elevation of 1,094 feet. The target elevation for June was met on June 17. Minimum target elevations were met or exceeded for July, August, September, and October. Table 2-1 shows the minimum target elevations contained in the project license compared to actual elevations during Operating Cycle September 2010 through August 2011. (Note: lake levels reported here are end-of-day values, recorded at 2400 hrs.)

Table 2-1. Comparison of Actual (end-of-day values) and Minimum Target Elevations.

Date	License Minimum Target Elevation (feet)	2010/2011 Operating Cycle Actual Minimum Target Elevation (feet) (end-of-day values recorded at 2400 hrs)
September 7, 2010	1,098.7	1,098.93
October 1, 2010	1,097.2	1,097.60
May 1, 2011	1,087.6	1,083.15
June 1, 2011	1,094.0	1,089.47
July 1, 2011	1,098.0	1,098.13
August 1, 2011	1,099.0	1,099.90

Chelan PUD is providing a graph showing daily average lake levels, with the elevation at the target dates highlighted (see Figure 2-1).

Figure 2-1. Lake Chelan Daily Average Surface Elevations in 2010-2011 compared to License Target Elevations and Expected Average Elevations.



2.2 Lake Chelan Inflows and Outflows

The total inflow of water into Lake Chelan is not measured directly due to a number of small tributaries that are not gauged for flow. The principal tributary, the Stehekin River, is gauged and flow information is published by the United States Geological Survey (USGS). Daily average inflow to Lake Chelan can be estimated from calculations using the daily change in lake level, measured powerhouse discharge, and calculated spillway discharge. These calculations are subject to error due to lake level fluctuations from Seiche events caused by downlake winds or from differences in barometric pressure between the upper and lower lake. This measurement variability and unmeasured irrigation and municipal water withdrawals from the lake result in calculated inflows being imprecise and fluctuating from day to day, even resulting in negative values at times. Daily inflow estimates reported here have been smoothed using a five-day moving average of inflow estimates, which results in a time lag between the estimate and sudden changes in inflows due to weather events. The value of these inflow estimates is to document how lake level management is affected by storm events and inflow variability from timing of snowmelt runoff events.

Outflows from the Project's operations are measured at the powerhouse turbines and calculated from the spillway gate openings and low level outlet. These outflows are tabulated as hourly averages at the end of each hour. Daily average flows are the average of each hourly flow from the hour ending at 0100 through the hour ending at 2400. Hourly flow data is available from Chelan PUD and spreadsheet tabulations of hourly outflow are available at the Chelan PUD web site.

A tabulation of average daily outflows, estimated inflow and average daily lake levels is presented in Appendix A. In addition, daily average lake levels from the USGS gauge at Lakeside and Stehekin River flows are provided in this tabulation.

SECTION 3: SUMMARY OF LAKE LEVEL MANAGEMENT DECISIONS

Chelan PUD controls the drafting and refilling of Lake Chelan with the aid of several snow monitoring locations that are used to predict total volume of snowmelt inflows and, in combination with weather forecasts, potential near-term changes in the timing of that snowmelt. Predicted snowfall from the National Weather Service and other sources is used to forewarn of potential limits to the amount of water that can be drafted from Lake Chelan for power generation, while still assuring that refill will occur by the summer recreation season. As the winter progresses, runoff volume forecasts specific to the Lake Chelan basin become available to predict the volume that can be withdrawn from the lake for generation. When snowfall is predicted to be low, Chelan PUD reduces or curtails withdrawals from the lake. During the drought winter of 2000-2001, Chelan PUD curtailed generation in late December of 2000 and did not draft any significant amounts of water from the lake until the following April, when the runoff forecast indicated that lake refill was reasonably expected. In a more typical year with average or low snowfall, reductions in powerhouse operations may take place in the late winter or spring.

In most years, except those with drought conditions or late runoff, Chelan PUD operates the powerhouse throughout the winter and spring while monitoring lake levels and the condition of the snow pack to determine a lake level management strategy. This strategy is designed to spill water within parameters necessary to address flood control and to prevent high spill events which could cause extensive erosion in the Chelan River. Protection of recently constructed fish habitat in the Chelan River was, and will continue to be, a primary factor in managing the spill of excess water through the term of the License.

3.1 Runoff Forecasts

April 1 through July 31, 2011 Runoff Forecasts for the Chelan Basin were produced on February 1, March 1, and April 1 of 2011. The February and March forecasts predicted lower than average runoff volume, while the April forecast predicted higher than average runoff volume. Runoff volume forecasts, lake level and volume required to refill are shown in Table 3-1.

Table 3-1. Runoff Volume Forecasts for April – July 2011

Date	Forecasted Runoff Volume (SFD)	Percent of Average Runoff	Actual Lake Elevation (feet) (end-of-day values, recorded at 2400 hrs)	Feet Above/Below Normal	Volume to Refill to 1,100 ft (SFD)
February 1	430,582	82%	1088.01	+1.0	195,299
March 1	430,582	82%	1086.4	+0.7	223,199
April 1	603,865	115%	1084.5	-0.9	254,381

Actual runoff for April 1-July 31 was 126% of average. Actual runoff was higher than forecasted on April 1 due to above average precipitation in April and May. Lake levels were successfully

managed using generation and spill as defined in Chapter 8 of the Lake Chelan Comprehensive Plan.

3.2 Decisions Related To Objectives

As stated previously, the February and March forecasts predicted lower than average runoff volume, while the April forecast predicted higher than average runoff volume. Chelan PUD managed Lake Chelan through winter and spring with the intent of meeting license objectives and target elevations, provided late and above average inflows occurred.

Due to a colder and wetter than average spring, snowpack had accumulated to approximately 143% above average snow pack in the Chelan Basin on May 6 and approximately 313% above average snow pack in the Chelan Basin on June 1. In May, the runoff forecast had increased to a range of 120% to 135% of average. Chelan PUD managed lake levels as per License Article 302 Reservoir Drawdown Limitation and Safety Report and License Article 405 Operations Compliance Monitoring Plan. These license articles allow for target lake levels to not be met under expected high and/or late runoff conditions. Therefore, target lake levels were intentionally not met on May 1 and June 1 (as discussed in Section 2.1) to ensure adequate storage room in the lake for anticipated high and late runoff.

Two primary lake level objectives, flood control and reducing high flows in the Chelan River, influenced project operations March through June. Generation and spill were managed throughout the month of June to meet the July 1 target of 1,098 feet. Chelan PUD began spilling on June 1 for 23 days, and again on June 30 for 23 days to manage the refill rate of Lake Chelan in order to meet license objectives, lake elevation targets, and protect recently constructed fish habitat in the Chelan River. Further spill to manage lake levels occurred July 25-26 and July 29-August 11. The August 1 target elevation of 1,099 feet was met on July 12. Chelan River peak daily average flow was 5,931 cfs (spill plus low level outlet flow) on July 3.

Inflows continued to exceed powerhouse capacity through late early August and spill for lake level management was continued through August 11. Inflows declined slowly through the remainder of August, with some lake storage drafted for generation during the latter half of the month. The lake level was maintained at or above 1,099 feet through the month of August.

3.3 Public Outreach

Chelan PUD recognizes the importance of communicating with residents and property owners regarding plans for management of lake levels as operations change due to License requirements and runoff forecasts. During 2010-2011 lake level Operating Cycles, Chelan PUD regularly publicized availability of its web page link for information related to lake levels, runoff forecasts and other information. Additionally, Chelan PUD mailed a letter (Appendix B) to Lake Chelan Residents on May 6, 2011 letting them know that due to cooler-than-average temperatures, extreme snowpack, and late runoff, the lake would likely be lower than average until early summer.

***APPENDIX A: DAILY AVERAGE LAKE CHELAN ELEVATIONS,
INFLOW AND OUTFLOW***

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan PUD Lake Elevation (ft)	USGS Lake Elevation (ft)	Stehekin River Flow (cfs)	Total ³ Estimated Inflow (cfs)	Powerhouse Turbine Flow (cfs)	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
9/1/2010	1099.0	1099.0	887	608	861	0	82	943
9/2/2010	1099.0	1099.0	634	753	644	0	82	725
9/3/2010	1099.0	1099.0	575	829	859	0	82	941
9/4/2010	1099.0	1099.0	613	603	830	0	82	911
9/5/2010	1099.0	1099.0	555	635	682	0	82	763
9/6/2010	1098.9	1098.9	522	812	800	0	82	882
9/7/2010	1098.9	1098.9	670	893	1059	0	83	1142
9/8/2010	1098.9	1098.9	608	845	1984	0	83	2067
9/9/2010	1098.9	1098.8	603	962	1975	0	83	2058
9/10/2010	1098.8	1098.8	607	704	1925	0	83	2008
9/11/2010	1098.7	1098.7	538	631	1588	0	193	1781
9/12/2010	1098.6	1098.6	624	641	10	0	269	279
9/13/2010	1098.6	1098.7	752	689	882	0	150	1032
9/14/2010	1098.6	1098.6	612	842	1733	0	80	1812
9/15/2010	1098.5	1098.5	548	1057	2170	0	80	2249
9/16/2010	1098.5	1098.5	583	1015	1882	0	81	1962
9/17/2010	1098.4	1098.4	687	831	1889	0	81	1970
9/18/2010	1098.4	1098.4	852	1315	1696	0	81	1777
9/19/2010	1098.4	1098.4	1230	1370	33	0	82	115
9/20/2010	1098.5	1098.5	1470	1483	1729	0	82	1810
9/21/2010	1098.4	1098.4	1350	1496	2391	0	82	2473
9/22/2010	1098.3	1098.3	953	1612	2395	0	82	2477
9/23/2010	1098.2	1098.3	834	1155	2393	0	82	2475
9/24/2010	1098.2	1098.2	862	1096	2393	0	82	2475
9/25/2010	1098.1	1098.1	784	1078	2392	0	208	2599
9/26/2010	1098.0	1098.0	883	1153	2390	0	299	2689
9/27/2010	1097.9	1097.9	909	1232	2390	0	166	2557
9/28/2010	1097.8	1097.8	1490	1193	2391	0	82	2473
9/29/2010	1097.8	1097.8	1140	1132	2392	0	82	2474
9/30/2010	1097.7	1097.7	868	1158	2391	0	82	2472
10/1/2010	1097.6	1097.6	772	963	2390	0	82	2472
10/2/2010	1097.5	1097.5	675	891	2392	0	82	2474
10/3/2010	1097.4	1097.4	621	836	2390	0	82	2472
10/4/2010	1097.3	1097.3	572	639	2396	0	82	2478
10/5/2010	1097.2	1097.2	524	539	2229	0	82	2311
10/6/2010	1097.0	1097.0	486	525	2268	0	82	2350
10/7/2010	1096.9	1096.9	464	365	2399	0	82	2481
10/8/2010	1096.8	1096.8	460	986	2399	0	82	2480
10/9/2010	1096.7	1096.7	574	1612	2399	0	82	2481

³ The total estimated inflow is based on calculations from changes in lake water surface elevation, which is highly variable due to wind, measurement error and other factors. Thus, daily inflow estimates may be obviously too low (even negative, which is impossible) or too high when compared to the inflow from the Stehekin River. When the estimated inflow is averaged over a period of ten days or more, it is reasonably accurate and useful to determine the proportion of inflow coming from high elevation snow melt versus low elevation runoff and rainfall. Inflows in early spring typically have a high contribution from low elevation sources, whereas late summer and fall inflow is predominately from the Stehekin River.

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan							
	PUD Lake Elevation (ft)	USGS Lake Elevation (ft)	Stehekin River Flow (cfs)	Total ³ Estimated Inflow (cfs)	Powerhouse Turbine Flow (cfs)	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
10/10/2010	1096.7	1096.7	3200	1637	2399	0	82	2480
10/11/2010	1096.8	1096.8	1570	1842	2400	0	82	2482
10/12/2010	1096.7	1096.7	1050	1919	2398	0	82	2479
10/13/2010	1096.6	1096.6	873	1433	2396	0	82	2478
10/14/2010	1096.5	1096.5	774	940	2126	0	82	2208
10/15/2010	1096.4	1096.5	728	912	2082	0	82	2163
10/16/2010	1096.3	1096.3	662	755	2388	0	82	2470
10/17/2010	1096.2	1096.2	608	725	2390	0	82	2472
10/18/2010	1096.1	1096.1	571	644	2390	0	82	2472
10/19/2010	1096.0	1096.0	537	665	2390	0	82	2472
10/20/2010	1095.9	1095.9	506	623	2388	0	82	2470
10/21/2010	1095.8	1095.8	477	562	2389	0	82	2471
10/22/2010	1095.7	1095.7	456	618	2390	0	82	2472
10/23/2010	1095.5	1095.5	427	717	2390	0	82	2472
10/24/2010	1095.4	1095.4	455	728	2390	0	82	2472
10/25/2010	1095.4	1095.4	464	559	2388	0	82	2470
10/26/2010	1095.2	1095.3	452	680	2368	0	82	2450
10/27/2010	1095.1	1095.1	424	691	2389	0	82	2471
10/28/2010	1095.0	1095.0	416	526	2388	0	82	2470
10/29/2010	1094.9	1094.9	412	531	2390	0	82	2472
10/30/2010	1094.8	1094.8	402	925	2389	0	82	2471
10/31/2010	1094.7	1094.7	421	986	2390	0	82	2471
11/1/2010	1094.6	1094.6	558	960	2390	0	82	2471
11/2/2010	1094.5	1094.5	835	1098	2386	0	82	2468
11/3/2010	1094.4	1094.4	722	1115	2388	0	82	2470
11/4/2010	1094.3	1094.4	660	922	2388	0	82	2470
11/5/2010	1094.2	1094.3	636	965	2387	0	82	2469
11/6/2010	1094.1	1094.1	764	1043	2388	0	82	2469
11/7/2010	1094.1	1094.1	976	963	2389	0	82	2471
11/8/2010	1094.0	1094.0	921	976	2388	0	82	2469
11/9/2010	1093.9	1093.9	834	1072	2389	0	82	2471
11/10/2010	1093.8	1093.8	793	943	2388	0	82	2470
11/11/2010	1093.7	1093.7	748	802	2388	0	82	2470
11/12/2010	1093.6	1093.6	719	888	2390	0	82	2472
11/13/2010	1093.5	1093.5	686	994	2390	0	82	2472
11/14/2010	1093.4	1093.4	762	1185	2390	0	82	2472
11/15/2010	1093.3	1093.3	868	1136	2386	0	82	2468
11/16/2010	1093.3	1093.3	1210	1343	2386	0	82	2468
11/17/2010	1093.2	1093.2	1040	1252	2381	0	82	2463
11/18/2010	1093.1	1093.2	918	1234	2364	0	82	2446
11/19/2010	1093.0	1093.1	827	953	2350	0	82	2432
11/20/2010	1093.0	1093.0	805	979	2377	0	82	2459
11/21/2010	1092.9	1092.9	786	879	2379	0	82	2461
11/22/2010	1092.7	1092.8	717	762	2377	0	82	2459
11/23/2010	1092.7	1092.7	623	611	2377	0	82	2459
11/24/2010	1092.5	1092.5	542	670	2368	0	82	2450
11/25/2010	1092.4	1092.4	613	768	2375	0	82	2458
11/26/2010	1092.3	1092.3	629	645	2373	0	82	2455

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan	USGS	Stehekin	Total ³	Powerhouse	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
	PUD Lake Elevation (ft)	Lake Elevation (ft)	River Flow (cfs)	Estimated Inflow (cfs)	Turbine Flow (cfs)			
11/27/2010	1092.2	1092.2	611	741	2370	0	82	2453
11/28/2010	1092.1	1092.1	603	846	2373	0	82	2456
11/29/2010	1092.0	1092.0	571	896	2373	0	82	2456
11/30/2010	1091.9	1091.9	578	816	2376	0	82	2458
12/1/2010	1091.8	1091.8	553	775	2373	0	82	2455
12/2/2010	1091.7	1091.7	527	847	2370	0	82	2452
12/3/2010	1091.6	1091.6	468	763	2370	0	82	2452
12/4/2010	1091.5	1091.5	424	487	2375	0	82	2458
12/5/2010	1091.4	1091.4	423	476	2370	0	82	2452
12/6/2010	1091.3	1091.3	418	735	1640	0	82	1723
12/7/2010	1091.2	1091.2	409	750	1312	0	82	1394
12/8/2010	1091.2	1091.2	419	863	2380	0	82	2462
12/9/2010	1091.1	1091.1	423	1012	2375	0	82	2457
12/10/2010	1091.0	1091.0	407	1396	2378	0	82	2460
12/11/2010	1090.9	1090.9	387	1469	2381	0	82	2463
12/12/2010	1090.9	1090.9	389	1712	2382	0	82	2464
12/13/2010	1090.9	1090.9	1130	1680	2383	0	82	2465
12/14/2010	1090.9	1090.9	963	1716	2381	0	82	2463
12/15/2010	1090.8	1090.8	840	1366	2382	0	82	2464
12/16/2010	1090.7	1090.7	764	1164	2377	0	82	2459
12/17/2010	1090.6	1090.6	715	921	2365	0	82	2448
12/18/2010	1090.5	1090.5	674	883	2192	0	82	2274
12/19/2010	1090.4	1090.4	644	967	2358	0	82	2441
12/20/2010	1090.3	1090.3	614	965	2364	0	82	2446
12/21/2010	1090.2	1090.2	588	989	2362	0	82	2444
12/22/2010	1090.1	1090.1	577	990	2365	0	82	2447
12/23/2010	1090.0	1090.1	553	1067	2365	0	82	2447
12/24/2010	1089.9	1090.0	537	981	2367	0	82	2449
12/25/2010	1089.9	1089.9	528	1009	2366	0	82	2448
12/26/2010	1089.8	1089.8	515	997	2360	0	82	2443
12/27/2010	1089.7	1089.7	498	1019	2369	0	82	2451
12/28/2010	1089.6	1089.6	489	854	2371	0	82	2453
12/29/2010	1089.5	1089.5	468	738	2371	0	82	2453
12/30/2010	1089.4	1089.4	421	549	2371	0	82	2453
12/31/2010	1089.2	1089.3	265	465	2371	0	82	2453
1/1/2011	1089.1	1089.1	272	358	2373	0	82	2456
1/2/2011	1089.0	1089.0	342	394	2373	0	82	2455
1/3/2011	1088.9	1088.9	287	465	2247	0	82	2329
1/4/2011	1088.7	1088.8	356	565	2370	0	82	2453
1/5/2011	1088.6	1088.6	408	618	2372	0	82	2454
1/6/2011	1088.5	1088.5	424	669	2372	0	82	2454
1/7/2011	1088.4	1088.4	463	664	2373	0	82	2455
1/8/2011	1088.3	1088.3	432	606	2372	0	82	2454
1/9/2011	1088.2	1088.2	398	574	2370	0	82	2452
1/10/2011	1088.1	1088.1	381	612	2370	0	82	2452
1/11/2011	1087.9	1088.0	377	664	2367	0	82	2449
1/12/2011	1087.8	1087.9	273	776	2358	0	82	2440
1/13/2011	1087.8	1087.8	333	1053	2352	0	82	2434

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan PUD Lake Elevation (ft)	USGS Lake Elevation (ft)	Stehekin River Flow (cfs)	Total ³ Estimated Inflow (cfs)	Powerhouse Turbine Flow (cfs)	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
1/14/2011	1087.7	1087.7	585	1367	2335	0	82	2417
1/15/2011	1087.6	1087.7	837	2350	2321	0	82	2403
1/16/2011	1087.6	1087.6	2390	3224	2321	0	82	2403
1/17/2011	1087.8	1087.8	4850	3750	2318	0	82	2401
1/18/2011	1088.0	1088.0	3030	3990	2328	0	82	2410
1/19/2011	1088.1	1088.1	2280	4049	2338	0	82	2420
1/20/2011	1088.1	1088.1	1890	3243	2370	0	82	2452
1/21/2011	1088.1	1088.1	1700	2612	2266	0	82	2348
1/22/2011	1088.1	1088.2	1600	2177	1648	0	82	1730
1/23/2011	1088.1	1088.1	1470	1970	2153	0	82	2235
1/24/2011	1088.1	1088.1	1420	1898	1510	0	82	1593
1/25/2011	1088.1	1088.2	1420	1990	1569	0	82	1651
1/26/2011	1088.2	1088.2	1350	1934	1584	0	82	1666
1/27/2011	1088.2	1088.2	1270	1988	1529	0	82	1611
1/28/2011	1088.2	1088.2	1230	1974	1585	0	82	1667
1/29/2011	1088.2	1088.2	1180	1866	1732	0	82	1814
1/30/2011	1088.2	1088.2	1130	1683	2315	0	82	2397
1/31/2011	1088.1	1088.1	1040	1570	2318	0	82	2400
2/1/2011	1088.1	1088.1	972	1446	2322	0	82	2404
2/2/2011	1088.0	1088.0	918	1421	2325	0	82	2408
2/3/2011	1087.9	1087.9	894	1547	2333	0	82	2416
2/4/2011	1087.9	1087.9	1210	1491	2321	0	82	2403
2/5/2011	1087.9	1087.9	1300	1648	2316	0	82	2398
2/6/2011	1087.8	1087.8	1160	1734	2316	0	82	2398
2/7/2011	1087.8	1087.8	1110	1642	2320	0	82	2402
2/8/2011	1087.7	1087.7	1040	1572	2066	0	82	2148
2/9/2011	1087.7	1087.7	977	1533	2370	0	82	2452
2/10/2011	1087.6	1087.6	932	1399	2358	0	82	2440
2/11/2011	1087.5	1087.6	899	1347	2354	0	82	2436
2/12/2011	1087.5	1087.5	912	1463	1852	0	82	1934
2/13/2011	1087.5	1087.5	946	1314	1262	0	82	1344
2/14/2011	1087.5	1087.5	918	1476	2097	0	82	2179
2/15/2011	1087.4	1087.5	893	1543	1645	0	82	1727
2/16/2011	1087.4	1087.4	858	1427	2250	0	82	2333
2/17/2011	1087.4	1087.4	823	1369	2247	0	82	2329
2/18/2011	1087.3	1087.3	784	1371	2245	0	82	2327
2/19/2011	1087.2	1087.2	741	1195	2245	0	82	2328
2/20/2011	1087.1	1087.1	705	1106	2252	0	82	2334
2/21/2011	1087.0	1087.1	686	1112	2241	0	83	2324
2/22/2011	1087.0	1087.0	680	966	1966	0	82	2048
2/23/2011	1086.9	1086.9	651	982	2256	0	82	2338
2/24/2011	1086.8	1086.8	617	957	2280	0	82	2362
2/25/2011	1086.7	1086.7	572	820	2288	0	82	2370
2/26/2011	1086.6	1086.6	560	1045	2281	0	82	2363
2/27/2011	1086.5	1086.5	563	1095	2287	0	82	2369
2/28/2011	1086.5	1086.5	536	1099	2289	0	82	2371
3/1/2011	1086.4	1086.4	533	1183	2282	0	82	2364
3/2/2011	1086.3	1086.3	526	1255	2293	0	82	2375

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan PUD Lake Elevation (ft)	USGS Lake Elevation (ft)	Stehekin River Flow (cfs)	Total ³ Estimated Inflow (cfs)	Powerhouse Turbine Flow (cfs)	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
3/3/2011	1086.3	1086.3	487	1003	2297	0	82	2379
3/4/2011	1086.2	1086.2	468	1005	2308	0	82	2390
3/5/2011	1086.1	1086.1	459	920	2304	0	82	2386
3/6/2011	1086.0	1086.0	437	813	2307	0	82	2389
3/7/2011	1085.9	1085.9	426	811	2305	0	82	2387
3/8/2011	1085.8	1085.8	419	938	2306	0	82	2388
3/9/2011	1085.7	1085.7	420	1030	2310	0	82	2392
3/10/2011	1085.6	1085.6	429	1056	2136	0	82	2218
3/11/2011	1085.6	1085.6	418	1086	2293	0	82	2375
3/12/2011	1085.5	1085.5	401	1163	2301	0	82	2383
3/13/2011	1085.4	1085.4	419	1147	2295	0	82	2377
3/14/2011	1085.3	1085.3	430	1093	2297	0	82	2379
3/15/2011	1085.2	1085.3	449	1152	2285	0	82	2367
3/16/2011	1085.2	1085.2	458	1174	2281	0	82	2363
3/17/2011	1085.1	1085.1	445	1311	2290	0	82	2372
3/18/2011	1085.0	1085.0	437	1270	2276	0	82	2358
3/19/2011	1085.0	1085.0	455	1372	2289	0	82	2371
3/20/2011	1084.9	1084.9	441	1343	2276	0	82	2358
3/21/2011	1084.9	1084.9	442	1427	2285	0	82	2367
3/22/2011	1084.8	1084.8	444	1176	2288	0	82	2370
3/23/2011	1084.7	1084.7	439	1148	2272	0	82	2354
3/24/2011	1084.6	1084.6	436	1130	2163	0	82	2245
3/25/2011	1084.5	1084.6	461	1190	2183	0	82	2265
3/26/2011	1084.5	1084.5	470	1173	2180	0	82	2263
3/27/2011	1084.4	1084.4	482	1292	2180	0	82	2262
3/28/2011	1084.4	1084.4	505	1416	2105	0	82	2187
3/29/2011	1084.3	1084.3	541	1608	1774	0	82	1856
3/30/2011	1084.3	1084.3	748	2059	1686	0	82	1768
3/31/2011	1084.4	1084.4	1820	2453	1730	0	82	1812
4/1/2011	1084.5	1084.5	1920	2827	1860	0	82	1942
4/2/2011	1084.6	1084.6	1580	3031	1326	0	82	1408
4/3/2011	1084.6	1084.7	1330	3112	2353	0	82	2435
4/4/2011	1084.7	1084.7	1200	2735	2350	0	82	2432
4/5/2011	1084.7	1084.7	1170	2508	1957	0	82	2039
4/6/2011	1084.7	1084.7	1080	2235	2355	0	82	2437
4/7/2011	1084.6	1084.7	974	2019	2354	0	82	2436
4/8/2011	1084.6	1084.6	903	1451	2350	0	82	2432
4/9/2011	1084.6	1084.6	868	1646	2343	0	82	2425
4/10/2011	1084.5	1084.5	844	1576	605	0	82	687
4/11/2011	1084.6	1084.6	862	1563	1786	0	82	1868
4/12/2011	1084.5	1084.5	831	1491	2336	0	84	2420
4/13/2011	1084.5	1084.5	811	1843	2354	0	82	2436
4/14/2011	1084.4	1084.4	793	1557	2349	0	82	2431
4/15/2011	1084.4	1084.4	761	1513	2288	0	82	2370
4/16/2011	1084.3	1084.3	753	1532	2160	0	82	2242
4/17/2011	1084.3	1084.3	761	1495	2158	0	82	2240
4/18/2011	1084.2	1084.2	733	1348	2158	0	212	2370
4/19/2011	1084.1	1084.2	719	1465	2214	0	335	2550

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan	USGS	Stehekin	Total ³	Powerhouse	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
	PUD Lake Elevation (ft)	Lake Elevation (ft)	River Flow (cfs)	Estimated Inflow (cfs)	Turbine Flow (cfs)			
4/20/2011	1084.0	1084.1	715	1343	2218	0	334	2552
4/21/2011	1084.0	1084.0	703	1098	2292	0	334	2626
4/22/2011	1083.9	1083.9	690	1200	2130	0	337	2467
4/23/2011	1083.8	1083.8	708	1265	2351	0	341	2692
4/24/2011	1083.7	1083.7	742	1193	2351	0	340	2691
4/25/2011	1083.6	1083.6	791	1353	2285	0	338	2622
4/26/2011	1083.6	1083.6	817	1506	2236	0	338	2574
4/27/2011	1083.5	1083.5	849	1604	2303	0	336	2638
4/28/2011	1083.4	1083.4	859	1553	2353	0	335	2688
4/29/2011	1083.4	1083.4	854	1564	2296	0	333	2629
4/30/2011	1083.3	1083.3	857	1463	2203	0	334	2537
5/1/2011	1083.2	1083.2	900	1633	2298	0	332	2630
5/2/2011	1083.1	1083.2	989	1552	2310	0	330	2640
5/3/2011	1083.1	1083.1	1020	1610	2313	0	331	2644
5/4/2011	1083.0	1083.1	1060	1835	2341	0	329	2670
5/5/2011	1083.0	1083.0	1180	2122	1803	0	331	2135
5/6/2011	1083.0	1083.0	1330	2193	2226	0	329	2555
5/7/2011	1083.0	1083.0	1500	2421	2433	0	328	2761
5/8/2011	1083.0	1083.0	1580	2689	2423	0	327	2750
5/9/2011	1083.0	1083.0	1650	2926	2270	0	329	2599
5/10/2011	1083.0	1083.1	1970	3345	1980	0	331	2312
5/11/2011	1083.1	1083.1	2530	3756	2389	0	331	2719
5/12/2011	1083.2	1083.2	2970	4357	2389	0	333	2721
5/13/2011	1083.3	1083.4	2680	5222	2370	0	335	2705
5/14/2011	1083.5	1083.5	3630	6526	2357	0	337	2694
5/15/2011	1083.9	1083.9	5540	7398	942	0	342	1284
5/16/2011	1084.4	1084.4	5040	7778	1831	0	334	2165
5/17/2011	1084.8	1084.8	3920	7841	2300	0	339	2639
5/18/2011	1085.1	1085.1	3400	7634	1880	0	340	2220
5/19/2011	1085.3	1085.4	3400	6965	1475	0	340	1815
5/20/2011	1085.6	1085.6	4020	6686	1673	0	340	2013
5/21/2011	1085.9	1085.9	4940	7090	1744	0	340	2084
5/22/2011	1086.3	1086.3	5170	7537	1110	0	340	1450
5/23/2011	1086.7	1086.7	4850	7752	1882	0	340	2222
5/24/2011	1087.0	1087.1	4460	7957	2313	0	339	2652
5/25/2011	1087.3	1087.3	4580	7787	2293	0	342	2635
5/26/2011	1087.7	1087.7	4520	7253	2090	0	347	2437
5/27/2011	1088.0	1088.0	3830	6633	1826	0	341	2167
5/28/2011	1088.2	1088.2	3320	6393	1596	0	338	1934
5/29/2011	1088.5	1088.5	3110	6147	737	0	341	1078
5/30/2011	1088.7	1088.8	3470	6191	1158	0	343	1501
5/31/2011	1089.0	1089.1	3720	6481	1730	0	337	2066
6/1/2011	1089.3	1089.3	3730	6759	1577	356	333	2266
6/2/2011	1089.6	1089.6	3760	6948	1579	1086	334	2999
6/3/2011	1089.8	1089.8	3820	7321	1802	1420	335	3557
6/4/2011	1090.0	1090.0	4440	7805	1692	1860	337	3889
6/5/2011	1090.2	1090.2	5370	8650	2485	2038	338	4861
6/6/2011	1090.5	1090.5	5900	9721	2495	2066	339	4900

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan PUD Lake Elevation (ft)	USGS Lake Elevation (ft)	Stehekin River Flow (cfs)	Total ³ Estimated Inflow (cfs)	Powerhouse Turbine Flow (cfs)	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
6/7/2011	1090.9	1091.0	6860	10297	1944	2137	343	4424
6/8/2011	1091.4	1091.4	6300	10568	1877	2470	347	4694
6/9/2011	1091.7	1091.7	5750	10819	1927	2776	350	5053
6/10/2011	1092.0	1092.0	6280	10602	1607	2739	341	4687
6/11/2011	1092.4	1092.4	6310	10197	1367	2757	326	4450
6/12/2011	1092.7	1092.7	5970	10075	1591	2942	328	4862
6/13/2011	1093.0	1093.0	5820	10037	1881	2790	331	5002
6/14/2011	1093.3	1093.4	5820	9549	745	2666	334	3746
6/15/2011	1093.7	1093.7	5300	8776	1706	2660	336	4702
6/16/2011	1093.9	1093.9	4430	8220	1955	2746	337	5039
6/17/2011	1094.0	1094.0	4000	7907	1715	2696	339	4749
6/18/2011	1094.2	1094.2	4640	7488	1282	2644	340	4265
6/19/2011	1094.4	1094.4	4600	7438	936	2703	342	3981
6/20/2011	1094.6	1094.6	4920	7731	1642	2224	343	4209
6/21/2011	1094.8	1094.9	5590	8272	1742	1690	345	3777
6/22/2011	1095.2	1095.2	5810	8407	1694	964	347	3005
6/23/2011	1095.6	1095.7	6100	8258	1454	75	350	1879
6/24/2011	1096.0	1096.0	5120	7831	1561	0	344	1905
6/25/2011	1096.3	1096.4	4180	7392	1485	0	335	1820
6/26/2011	1096.6	1096.6	3720	6828	1464	0	337	1801
6/27/2011	1096.8	1096.9	4050	6833	1525	0	338	1863
6/28/2011	1097.1	1097.2	4920	7615	1626	0	340	1967
6/29/2011	1097.5	1097.6	6110	8184	1472	0	342	1814
6/30/2011	1098.0	1098.0	5920	8560	1708	1397	344	3448
7/1/2011	1098.1	1098.2	4770	8802	1628	4240	345	6213
7/2/2011	1098.1	1098.1	4550	8618	2464	5581	344	8388
7/3/2011	1098.1	1098.1	5320	7816	2084	5587	344	8015
7/4/2011	1098.1	1098.2	5010	7608	2417	4516	344	7276
7/5/2011	1098.3	1098.3	4680	7804	1909	2680	344	4933
7/6/2011	1098.4	1098.4	5440	8022	2424	2678	345	5446
7/7/2011	1098.6	1098.6	6230	7873	2066	2890	140	5096
7/8/2011	1098.9	1098.9	5600	7598	1686	3499	0	5185
7/9/2011	1098.9	1098.9	4120	7041	1522	4006	0	5528
7/10/2011	1098.9	1098.9	3640	6567	1622	4005	0	5627
7/11/2011	1098.9	1098.9	3770	5944	2275	3350	0	5625
7/12/2011	1099.0	1099.0	4250	5784	1609	3023	41	4673
7/13/2011	1099.0	1099.0	4120	5847	1606	3926	81	5613
7/14/2011	1099.0	1099.1	3950	6055	1787	3928	81	5795
7/15/2011	1099.0	1099.0	3510	5955	1766	4212	81	6058
7/16/2011	1099.0	1099.0	3870	5963	1840	4885	80	6805
7/17/2011	1098.9	1098.9	4090	6133	2247	4886	79	7212
7/18/2011	1098.8	1098.8	4480	6000	2275	4868	78	7222
7/19/2011	1098.8	1098.8	4550	5593	2148	4861	78	7087
7/20/2011	1098.7	1098.7	3930	5388	2345	3637	77	6058
7/21/2011	1098.8	1098.8	3870	5020	2015	1245	77	3336
7/22/2011	1098.9	1099.0	3820	4483	1980	116	253	2348
7/23/2011	1099.0	1099.1	3190	4396	2260	0	376	2635
7/24/2011	1099.1	1099.1	3150	4653	2257	0	376	2633

DAILY AVERAGE LAKE CHELAN ELEVATIONS, INFLOW AND OUTFLOW

Date	Chelan	USGS	Stehekin	Total ³	Powerhouse	Spill Flow (cfs)	Low Level Outlet Flow (cfs)	Total Outflow (cfs)
	PUD Lake Elevation (ft)	Lake Elevation (ft)	River Flow (cfs)	Estimated Inflow (cfs)	Turbine Flow (cfs)			
7/25/2011	1099.3	1099.3	3740	4672	2296	90	225	2611
7/26/2011	1099.4	1099.4	3760	4627	2292	42	84	2417
7/27/2011	1099.6	1099.6	3420	4620	2323	0	84	2407
7/28/2011	1099.7	1099.7	3170	4639	2322	0	84	2406
7/29/2011	1099.8	1099.8	3200	4425	2373	133	85	2590
7/30/2011	1099.9	1099.9	3150	4239	2363	737	85	3185
7/31/2011	1099.9	1099.9	3080	4017	2365	1140	85	3590
8/1/2011	1099.9	1099.9	2980	3838	2367	1649	85	4101
8/2/2011	1099.9	1099.9	2620	3749	2376	932	85	3393
8/3/2011	1099.9	1099.9	2490	3814	2002	613	85	2699
8/4/2011	1100.0	1100.0	2700	3698	2368	894	85	3347
8/5/2011	1100.0	1100.0	2930	3792	2374	1733	85	4191
8/6/2011	1099.9	1100.0	2880	3664	2378	1932	85	4394
8/7/2011	1099.9	1099.9	2670	3437	2377	1927	85	4389
8/8/2011	1099.8	1099.8	2530	3216	2372	1268	86	3726
8/9/2011	1099.8	1099.8	2390	2868	2380	400	148	2928
8/10/2011	1099.9	1099.9	2240	2537	2390	222	200	2812
8/11/2011	1099.8	1099.8	2040	2549	2390	139	202	2731
8/12/2011	1099.8	1099.8	2060	2450	2388	0	202	2589
8/13/2011	1099.8	1099.8	1970	2123	2389	0	202	2591
8/14/2011	1099.8	1099.8	1860	2041	2377	0	202	2579
8/15/2011	1099.8	1099.8	1700	2018	1580	0	203	1783
8/16/2011	1099.8	1099.8	1460	1962	1206	0	203	1410
8/17/2011	1099.8	1099.8	1310	1774	1208	0	203	1411
8/18/2011	1099.8	1099.8	1240	1649	1822	0	150	1972
8/19/2011	1099.7	1099.8	1190	1745	2371	0	82	2453
8/20/2011	1099.7	1099.7	1300	1849	2342	0	82	2424
8/21/2011	1099.6	1099.7	1510	1859	2346	0	82	2428
8/22/2011	1099.6	1099.6	1590	1989	2337	0	83	2420
8/23/2011	1099.6	1099.6	2020	2205	2372	0	82	2454
8/24/2011	1099.6	1099.6	1810	2188	2380	0	82	2463
8/25/2011	1099.6	1099.6	1680	2096	2380	0	82	2463
8/26/2011	1099.6	1099.6	1590	2036	2404	0	82	2486
8/27/2011	1099.5	1099.5	1410	1899	2394	0	82	2476
8/28/2011	1099.5	1099.5	1280	1837	2397	0	83	2480
8/29/2011	1099.4	1099.4	1240	1700	2394	0	83	2477
8/30/2011	1099.4	1099.4	1210	1534	2395	0	83	2478
8/31/2011	1099.3	1099.3	1040	1270	2405	0	84	2489

APPENDIX B: MAY 6 LETTER TO LAKE CHELAN RESIDENTS

http://www.chelanpud.org/documents/LC_water_level_letter_May_2011.pdf

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