

## 2012 4th Quarter Hourly Flow Data

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)
10/1/2012	1	1097.5	2380	708.8	84	0	0	84
10/1/2012	2	1097.5	2370	708.8	83	0	0	83
10/1/2012	3	1097.5	2320	708.8	83	0	0	83
10/1/2012	4	1097.5	2350	708.8	83	0	0	83
10/1/2012	5	1097.5	2350	708.8	83	0	0	83
10/1/2012	6	1097.4	2380	708.8	83	0	0	83
10/1/2012	7	1097.4	2360	709.0	83	0	0	83
10/1/2012	8	1097.4	2320	709.1	83	0	0	83
10/1/2012	9	1097.4	2320	709.1	83	0	0	83
10/1/2012	10	1097.4	2350	708.9	83	0	0	83
10/1/2012	11	1097.4	2350	708.9	83	0	0	83
10/1/2012	12	1097.4	2450	709.1	83	0	0	83
10/1/2012	13	1097.4	2470	709.3	83	0	0	83
10/1/2012	14	1097.4	2480	709.4	83	0	0	83
10/1/2012	15	1097.4	2490	709.2	83	0	0	83
10/1/2012	16	1097.4	2490	709.1	83	0	0	83
10/1/2012	17	1097.4	2510	709.0	83	0	0	83
10/1/2012	18	1097.4	2470	709.0	82	0	0	82
10/1/2012	19	1097.4	2430	708.9	83	0	0	83
10/1/2012	20	1097.4	2430	708.9	83	0	0	83
10/1/2012	21	1097.4	2400	708.9	84	0	0	84
10/1/2012	22	1097.4	2420	708.8	84	0	0	84
10/1/2012	23	1097.4	2450	708.9	83	0	0	83
10/1/2012	24	1097.4	2450	708.9	83	0	0	83
10/2/2012	1	1097.4	2440	708.9	83	0	0	83
10/2/2012	2	1097.4	2420	709.0	83	0	0	83
10/2/2012	3	1097.4	2430	708.9	83	0	0	83
10/2/2012	4	1097.4	2470	708.9	83	0	0	83
10/2/2012	5	1097.4	2480	709.0	84	0	0	84
10/2/2012	6	1097.4	2490	709.0	84	0	0	84
10/2/2012	7	1097.4	2440	709.0	82	0	0	82
10/2/2012	8	1097.4	2470	709.2	82	0	0	82
10/2/2012	9	1097.4	2480	709.0	83	0	0	83
10/2/2012	10	1097.4	2460	708.9	84	0	0	84
10/2/2012	11	1097.4	2450	708.9	84	0	0	84
10/2/2012	12	1097.4	2440	709.0	84	0	0	84
10/2/2012	13	1097.3	2470	709.1	82	0	0	82
10/2/2012	14	1097.4	2450	709.1	82	0	0	82
10/2/2012	15	1097.3	2430	709.0	83	0	0	83
10/2/2012	16	1097.3	2440	709.0	84	0	0	84
10/2/2012	17	1097.3	2450	708.9	84	0	0	84
10/2/2012	18	1097.3	2470	708.9	83	0	0	83
10/2/2012	19	1097.3	2450	708.9	83	0	0	83
10/2/2012	20	1097.3	2440	708.8	83	0	0	83
10/2/2012	21	1097.3	2420	708.8	83	0	0	83
10/2/2012	22	1097.3	2420	708.8	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
10/2/2012	23	1097.3	2440	708.9	83	0	0	83
10/2/2012	24	1097.3	2450	708.9	83	0	0	83
10/3/2012	1	1097.3	2440	708.9	83	0	0	83
10/3/2012	2	1097.3	2420	708.9	83	0	0	83
10/3/2012	3	1097.3	2450	708.9	83	0	0	83
10/3/2012	4	1097.2	2430	708.9	83	0	0	83
10/3/2012	5	1097.2	2470	708.9	83	0	0	83
10/3/2012	6	1097.2	2470	709.0	82	0	0	82
10/3/2012	7	1097.2	2470	709.0	83	0	0	83
10/3/2012	8	1097.2	2450	709.2	84	0	0	84
10/3/2012	9	1097.2	2440	709.1	83	0	0	83
10/3/2012	10	1097.2	2430	709.0	83	0	0	83
10/3/2012	11	1097.1	2430	708.9	83	0	0	83
10/3/2012	12	1097.1	2440	708.9	83	0	0	83
10/3/2012	13	1097.2	2460	708.9	83	0	0	83
10/3/2012	14	1097.1	2460	709.0	83	0	0	83
10/3/2012	15	1097.1	2440	709.0	83	0	0	83
10/3/2012	16	1097.1	2430	709.0	83	0	0	83
10/3/2012	17	1097.1	2420	708.9	83	0	0	83
10/3/2012	18	1097.1	2370	708.8	84	0	0	84
10/3/2012	19	1097.1	2340	708.8	84	0	0	84
10/3/2012	20	1097.1	2350	708.8	83	0	0	83
10/3/2012	21	1097.1	2330	708.8	82	0	0	82
10/3/2012	22	1097.1	2330	708.8	83	0	0	83
10/3/2012	23	1097.1	2340	708.8	84	0	0	84
10/3/2012	24	1097.1	2350	708.7	83	0	0	83
10/4/2012	1	1097.1	2380	708.8	84	0	0	84
10/4/2012	2	1097.1	2370	708.8	83	0	0	83
10/4/2012	3	1097.1	2380	708.9	82	0	0	82
10/4/2012	4	1097.1	2390	708.8	82	0	0	82
10/4/2012	5	1097.0	2390	708.8	83	0	0	83
10/4/2012	6	1097.0	2380	709.0	84	0	0	84
10/4/2012	7	1097.0	2330	709.0	84	0	0	84
10/4/2012	8	1097.0	2340	709.0	83	0	0	83
10/4/2012	9	1097.0	2340	708.9	82	0	0	82
10/4/2012	10	1097.0	2350	708.9	83	0	0	83
10/4/2012	11	1097.0	2340	708.9	84	0	0	84
10/4/2012	12	1097.0	2340	708.9	84	0	0	84
10/4/2012	13	1097.0	2350	708.9	84	0	0	84
10/4/2012	14	1097.0	2330	708.9	84	0	0	84
10/4/2012	15	1097.0	2290	708.8	84	0	0	84
10/4/2012	16	1097.0	2290	708.8	84	0	0	84
10/4/2012	17	1097.0	2270	708.8	84	0	0	84
10/4/2012	18	1097.0	2310	708.8	84	0	0	84
10/4/2012	19	1097.0	2320	708.8	84	0	0	84
10/4/2012	20	1097.0	2310	709.0	84	0	0	84

## 2012 4th Quarter Hourly Flow Data

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)
10/4/2012	21	1097.0	2420	709.1	84	0	0	84
10/4/2012	22	1097.0	2430	709.0	84	0	0	84
10/4/2012	23	1097.0	2430	708.8	84	0	0	84
10/4/2012	24	1097.0	2450	708.8	84	0	0	84
10/5/2012	1	1097.0	2470	708.8	84	0	0	84
10/5/2012	2	1097.0	2490	708.9	84	0	0	84
10/5/2012	3	1097.0	2460	708.9	84	0	0	84
10/5/2012	4	1096.9	2480	708.9	84	0	0	84
10/5/2012	5	1096.9	2510	709.0	84	0	0	84
10/5/2012	6	1096.9	2510	709.1	84	0	0	84
10/5/2012	7	1096.9	2470	709.3	84	0	0	84
10/5/2012	8	1096.9	2450	709.4	84	0	0	84
10/5/2012	9	1096.9	2450	709.2	84	0	0	84
10/5/2012	10	1096.9	2430	709.0	84	0	0	84
10/5/2012	11	1096.9	2460	708.9	84	0	0	84
10/5/2012	12	1096.9	2460	708.8	84	0	0	84
10/5/2012	13	1096.9	2460	708.8	82	0	0	82
10/5/2012	14	1096.9	2440	708.9	82	0	0	82
10/5/2012	15	1096.9	2370	708.9	83	0	0	83
10/5/2012	16	1096.9	2380	708.8	84	0	0	84
10/5/2012	17	1096.9	2380	708.8	83	0	0	83
10/5/2012	18	1096.9	2360	708.7	82	0	0	82
10/5/2012	19	1096.9	2410	708.8	82	0	0	82
10/5/2012	20	1096.9	2380	709.0	83	0	0	83
10/5/2012	21	1096.9	2380	708.9	84	0	0	84
10/5/2012	22	1096.9	2390	708.9	83	0	0	83
10/5/2012	23	1096.9	2370	708.8	83	0	0	83
10/5/2012	24	1096.9	2350	708.8	83	0	0	83
10/6/2012	1	1096.9	2360	708.8	83	0	0	83
10/6/2012	2	1096.8	2370	708.8	84	0	0	84
10/6/2012	3	1096.8	2380	708.9	84	0	0	84
10/6/2012	4	1096.8	2370	708.9	82	0	0	82
10/6/2012	5	1096.8	2380	708.9	82	0	0	82
10/6/2012	6	1096.8	2400	708.8	83	0	0	83
10/6/2012	7	1096.8	2390	709.0	84	0	0	84
10/6/2012	8	1096.8	2390	709.2	84	0	0	84
10/6/2012	9	1096.8	2400	709.1	82	0	0	82
10/6/2012	10	1096.8	2380	709.0	82	0	0	82
10/6/2012	11	1096.8	2370	708.9	83	0	0	83
10/6/2012	12	1096.8	2370	708.8	84	0	0	84
10/6/2012	13	1096.8	2360	708.9	84	0	0	84
10/6/2012	14	1096.8	2380	708.9	82	0	0	82
10/6/2012	15	1096.8	2400	709.0	82	0	0	82
10/6/2012	16	1096.8	2390	708.9	83	0	0	83
10/6/2012	17	1096.7	2360	708.8	84	0	0	84
10/6/2012	18	1096.8	2370	708.8	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
10/6/2012	19	1096.7	2410	708.9	82	0	0	82
10/6/2012	20	1096.7	2390	708.9	82	0	0	82
10/6/2012	21	1096.7	2360	708.9	83	0	0	83
10/6/2012	22	1096.7	2360	708.9	84	0	0	84
10/6/2012	23	1096.7	2380	708.8	84	0	0	84
10/6/2012	24	1096.7	2360	708.8	82	0	0	82
10/7/2012	1	1096.7	2380	708.8	82	0	0	82
10/7/2012	2	1096.7	2400	708.9	82	0	0	82
10/7/2012	3	1096.7	2410	708.9	84	0	0	84
10/7/2012	4	1096.7	2410	708.9	84	0	0	84
10/7/2012	5	1096.6	2430	708.9	82	0	0	82
10/7/2012	6	1096.7	2430	708.9	81	0	0	81
10/7/2012	7	1096.6	2380	709.0	82	0	0	82
10/7/2012	8	1096.6	2410	709.3	84	0	0	84
10/7/2012	9	1096.6	2390	709.1	84	0	0	84
10/7/2012	10	1096.6	2400	709.0	83	0	0	83
10/7/2012	11	1096.6	2350	709.0	82	0	0	82
10/7/2012	12	1096.6	2380	709.0	82	0	0	82
10/7/2012	13	1096.6	2360	709.0	83	0	0	83
10/7/2012	14	1096.6	2360	709.0	83	0	0	83
10/7/2012	15	1096.6	2380	709.1	83	0	0	83
10/7/2012	16	1096.6	2390	709.1	81	0	0	81
10/7/2012	17	1096.6	2410	709.1	81	0	0	81
10/7/2012	18	1096.6	2400	709.1	83	0	0	83
10/7/2012	19	1096.6	2390	709.0	84	0	0	84
10/7/2012	20	1096.6	2370	708.9	83	0	0	83
10/7/2012	21	1096.6	2360	708.9	82	0	0	82
10/7/2012	22	1096.6	2340	708.9	82	0	0	82
10/7/2012	23	1096.6	2360	708.9	83	0	0	83
10/7/2012	24	1096.5	2360	708.9	83	0	0	83
10/8/2012	1	1096.6	2370	708.9	83	0	0	83
10/8/2012	2	1096.6	2370	708.9	83	0	0	83
10/8/2012	3	1096.5	2410	709.0	83	0	0	83
10/8/2012	4	1096.5	2410	709.1	81	0	0	81
10/8/2012	5	1096.5	2400	709.0	81	0	0	81
10/8/2012	6	1096.5	2410	709.1	83	0	0	83
10/8/2012	7	1096.5	2400	709.4	83	0	0	83
10/8/2012	8	1096.5	2360	709.5	83	0	0	83
10/8/2012	9	1096.5	2400	709.3	83	0	0	83
10/8/2012	10	1096.5	2350	709.0	82	0	0	82
10/8/2012	11	1096.5	2350	708.9	82	0	0	82
10/8/2012	12	1096.5	2350	708.9	84	0	0	84
10/8/2012	13	1096.5	2370	709.2	84	0	0	84
10/8/2012	14	1096.5	2410	709.3	83	0	0	83
10/8/2012	15	1096.5	2420	709.2	82	0	0	82
10/8/2012	16	1096.5	2420	709.1	81	0	0	81

## 2012 4th Quarter Hourly Flow Data

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)
10/8/2012	17	1096.5	2410	708.9	82	0	0	82
10/8/2012	18	1096.5	2420	708.9	83	0	0	83
10/8/2012	19	1096.5	2420	709.1	83	0	0	83
10/8/2012	20	1096.5	2390	709.3	83	0	0	83
10/8/2012	21	1096.5	2350	709.2	84	0	0	84
10/8/2012	22	1096.5	2360	708.9	83	0	0	83
10/8/2012	23	1096.5	2370	708.8	83	0	0	83
10/8/2012	24	1096.5	2370	708.8	82	0	0	82
10/9/2012	1	1096.4	2380	708.9	82	0	0	82
10/9/2012	2	1096.4	2370	708.8	83	0	0	83
10/9/2012	3	1096.4	2370	708.8	83	0	0	83
10/9/2012	4	1096.4	2390	709.0	83	0	0	83
10/9/2012	5	1096.4	2410	709.0	82	0	0	82
10/9/2012	6	1096.4	2430	708.9	82	0	0	82
10/9/2012	7	1096.4	2410	709.0	83	0	0	83
10/9/2012	8	1096.4	2390	709.3	83	0	0	83
10/9/2012	9	1096.4	2390	709.1	83	0	0	83
10/9/2012	10	1096.4	2400	709.0	83	0	0	83
10/9/2012	11	1096.4	2400	708.9	83	0	0	83
10/9/2012	12	1096.4	2410	709.0	83	0	15	98
10/9/2012	13	1096.4	2380	709.0	82	0	31	112
10/9/2012	14	1096.4	2390	709.1	82	0	0	82
10/9/2012	15	1096.4	2390	709.0	83	0	0	83
10/9/2012	16	1096.4	2380	709.0	83	0	0	83
10/9/2012	17	1096.4	2400	708.9	83	0	0	83
10/9/2012	18	1096.4	2390	709.0	83	0	0	83
10/9/2012	19	1096.4	2400	709.2	83	0	0	83
10/9/2012	20	1096.4	2380	709.3	83	0	0	83
10/9/2012	21	1096.4	2350	709.0	83	0	0	83
10/9/2012	22	1096.3	2360	708.8	83	0	0	83
10/9/2012	23	1096.3	2380	708.8	82	0	0	82
10/9/2012	24	1096.3	2360	708.8	82	0	0	82
10/10/2012	1	1096.3	2390	708.8	83	0	0	83
10/10/2012	2	1096.3	2400	708.9	83	0	0	83
10/10/2012	3	1096.3	2410	708.9	83	0	0	83
10/10/2012	4	1096.3	2420	708.8	83	0	0	83
10/10/2012	5	1096.3	2440	708.9	83	0	0	83
10/10/2012	6	1096.3	2440	709.2	83	0	0	83
10/10/2012	7	1096.3	2400	709.6	82	0	0	82
10/10/2012	8	1096.3	2370	709.6	82	0	0	82
10/10/2012	9	1096.3	2390	709.5	83	0	0	83
10/10/2012	10	1096.3	2380	709.2	84	0	0	84
10/10/2012	11	1096.3	2390	708.9	83	0	0	83
10/10/2012	12	1096.3	2410	709.0	84	0	0	84
10/10/2012	13	1096.3	2380	709.0	83	0	0	83
10/10/2012	14	1096.2	2390	708.9	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
10/10/2012	15	1096.2	2420	708.9	83	0	0	83
10/10/2012	16	1096.2	2390	708.8	83	0	0	83
10/10/2012	17	1096.2	2400	708.8	83	0	0	83
10/10/2012	18	1096.3	2390	708.8	83	0	0	83
10/10/2012	19	1096.2	2390	708.9	82	0	0	82
10/10/2012	20	1096.2	2370	708.9	82	0	0	82
10/10/2012	21	1096.2	2380	708.9	83	0	0	83
10/10/2012	22	1096.2	2370	708.9	83	0	0	83
10/10/2012	23	1096.2	2390	708.8	83	0	0	83
10/10/2012	24	1096.2	2380	708.8	83	0	0	83
10/11/2012	1	1096.2	2380	708.9	84	0	0	84
10/11/2012	2	1096.2	2410	708.9	83	0	0	83
10/11/2012	3	1096.2	2430	708.8	82	0	0	82
10/11/2012	4	1096.2	2410	708.8	82	0	0	82
10/11/2012	5	1096.1	2420	708.9	82	0	0	82
10/11/2012	6	1096.1	2460	709.0	83	0	0	83
10/11/2012	7	1096.1	2390	709.1	83	0	0	83
10/11/2012	8	1096.1	2390	709.5	83	0	0	83
10/11/2012	9	1096.1	2410	709.6	83	0	0	83
10/11/2012	10	1096.1	2450	709.8	83	0	0	83
10/11/2012	11	1096.1	2430	709.4	83	0	0	83
10/11/2012	12	1096.1	2380	709.0	83	0	0	83
10/11/2012	13	1096.1	2390	709.0	83	0	0	83
10/11/2012	14	1096.1	2390	709.3	84	0	0	84
10/11/2012	15	1096.1	2400	709.2	83	0	0	83
10/11/2012	16	1096.1	2380	709.1	82	0	0	82
10/11/2012	17	1096.1	2400	708.8	82	0	0	82
10/11/2012	18	1096.1	2410	708.8	83	0	0	83
10/11/2012	19	1096.1	2410	708.8	84	0	0	84
10/11/2012	20	1096.1	2380	709.0	84	0	0	84
10/11/2012	21	1096.1	2390	709.1	83	0	0	83
10/11/2012	22	1096.1	2390	708.9	82	0	0	82
10/11/2012	23	1096.1	2390	708.8	82	0	0	82
10/11/2012	24	1096.0	2400	708.8	82	0	0	82
10/12/2012	1	1096.0	2390	708.9	83	0	0	83
10/12/2012	2	1096.0	2410	708.8	83	0	0	83
10/12/2012	3	1096.0	2390	708.8	83	0	0	83
10/12/2012	4	1096.0	2430	708.8	83	0	0	83
10/12/2012	5	1096.0	2410	708.9	83	0	0	83
10/12/2012	6	1096.0	2410	708.8	82	0	0	82
10/12/2012	7	1096.0	2380	708.8	82	0	0	82
10/12/2012	8	1096.0	2400	708.9	82	0	0	82
10/12/2012	9	1096.0	2400	708.8	83	0	0	83
10/12/2012	10	1096.0	2390	708.8	83	0	0	83
10/12/2012	11	1096.0	2360	708.8	83	0	0	83
10/12/2012	12	1096.0	2380	708.9	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
10/12/2012	13	1096.0	2380	708.8	83	0	0	83
10/12/2012	14	1096.0	2400	708.8	83	0	0	83
10/12/2012	15	1096.0	2390	708.8	83	0	0	83
10/12/2012	16	1096.0	2410	708.8	83	0	0	83
10/12/2012	17	1096.0	2380	708.8	83	0	0	83
10/12/2012	18	1096.0	2450	708.8	83	0	0	83
10/12/2012	19	1096.0	2390	708.8	82	0	0	82
10/12/2012	20	1096.0	2360	708.8	82	0	0	82
10/12/2012	21	1096.0	2360	708.8	82	0	0	82
10/12/2012	22	1096.0	2380	708.8	83	0	0	83
10/12/2012	23	1096.0	2420	708.8	83	0	0	83
10/12/2012	24	1096.0	2390	708.8	83	0	0	83
10/13/2012	1	1096.0	2420	708.9	83	0	0	83
10/13/2012	2	1095.9	2420	708.8	83	0	0	83
10/13/2012	3	1095.9	2410	708.8	83	0	0	83
10/13/2012	4	1096.0	2430	708.8	83	0	0	83
10/13/2012	5	1095.9	2450	708.9	83	0	0	83
10/13/2012	6	1095.9	2430	708.8	83	0	0	83
10/13/2012	7	1095.9	2380	708.9	83	0	0	83
10/13/2012	8	1095.9	2430	709.2	83	0	0	83
10/13/2012	9	1095.9	2440	709.1	83	0	0	83
10/13/2012	10	1095.9	2390	708.9	83	0	0	83
10/13/2012	11	1095.9	2400	708.8	83	0	0	83
10/13/2012	12	1095.9	2390	708.8	83	0	0	83
10/13/2012	13	1095.9	2390	708.8	83	0	0	83
10/13/2012	14	1095.8	2380	708.8	83	0	0	83
10/13/2012	15	1095.9	2410	708.9	83	0	0	83
10/13/2012	16	1095.8	2380	708.9	83	0	0	83
10/13/2012	17	1095.8	2430	708.9	83	0	0	83
10/13/2012	18	1095.8	2430	708.9	83	0	0	83
10/13/2012	19	1095.8	2380	708.9	83	0	0	83
10/13/2012	20	1095.8	2360	708.8	83	0	0	83
10/13/2012	21	1095.8	2370	708.8	83	0	0	83
10/13/2012	22	1095.8	2390	708.8	83	0	0	83
10/13/2012	23	1095.8	2390	708.8	83	0	0	83
10/13/2012	24	1095.8	2380	708.8	83	0	0	83
10/14/2012	1	1095.8	2370	708.8	83	0	0	83
10/14/2012	2	1095.8	2390	708.9	83	0	0	83
10/14/2012	3	1095.8	2410	708.8	83	0	0	83
10/14/2012	4	1095.8	2430	708.8	83	0	0	83
10/14/2012	5	1095.8	2400	708.9	83	0	0	83
10/14/2012	6	1095.8	2410	708.9	84	0	0	84
10/14/2012	7	1095.8	2410	708.8	84	0	0	84
10/14/2012	8	1095.8	2400	708.9	84	0	0	84
10/14/2012	9	1095.8	2360	708.9	83	0	0	83
10/14/2012	10	1095.8	2380	708.9	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
10/14/2012	11	1095.8	2400	708.8	83	0	0	83
10/14/2012	12	1095.8	2440	708.9	83	0	0	83
10/14/2012	13	1095.8	2380	708.9	83	0	0	83
10/14/2012	14	1095.8	2380	708.8	83	0	0	83
10/14/2012	15	1095.8	2420	708.9	83	0	0	83
10/14/2012	16	1095.8	2420	708.9	83	0	0	83
10/14/2012	17	1095.8	2420	708.8	83	0	0	83
10/14/2012	18	1095.8	2420	708.8	83	0	0	83
10/14/2012	19	1095.8	2370	708.8	83	0	0	83
10/14/2012	20	1095.8	2390	708.8	83	0	0	83
10/14/2012	21	1095.8	2360	708.7	83	0	0	83
10/14/2012	22	1095.8	2380	708.8	83	0	0	83
10/14/2012	23	1095.8	2400	708.9	83	0	0	83
10/14/2012	24	1095.8	2400	708.8	83	0	7	90
10/15/2012	1	1095.8	2410	708.7	83	0	252	335
10/15/2012	2	1095.8	2400	708.8	83	0	254	336
10/15/2012	3	1095.8	2390	708.9	84	0	254	338
10/15/2012	4	1095.8	2400	708.7	83	0	254	337
10/15/2012	5	1095.7	2410	708.7	84	0	254	338
10/15/2012	6	1095.7	2420	708.8	83	0	254	337
10/15/2012	7	1095.8	2420	708.8	83	0	255	338
10/15/2012	8	1095.8	2370	708.9	83	0	254	337
10/15/2012	9	1095.7	2380	708.8	83	0	255	337
10/15/2012	10	1095.7	2380	708.8	83	0	254	337
10/15/2012	11	1095.7	2410	708.8	83	0	255	338
10/15/2012	12	1095.8	2390	708.8	83	0	255	338
10/15/2012	13	1095.7	2410	708.8	83	0	254	337
10/15/2012	14	1095.7	2410	708.8	83	0	254	337
10/15/2012	15	1095.7	2390	708.8	83	0	255	338
10/15/2012	16	1095.7	2400	708.9	83	0	254	337
10/15/2012	17	1095.7	2410	709.1	82	0	256	338
10/15/2012	18	1095.7	2420	709.1	83	0	256	339
10/15/2012	19	1095.8	2380	708.9	84	0	255	338
10/15/2012	20	1095.7	2380	708.8	84	0	254	338
10/15/2012	21	1095.8	2370	708.7	83	0	255	338
10/15/2012	22	1095.8	2380	708.8	83	0	255	338
10/15/2012	23	1095.7	2380	708.7	83	0	255	338
10/15/2012	24	1095.7	2370	708.7	83	0	254	337
10/16/2012	1	1095.7	2370	708.7	83	0	254	336
10/16/2012	2	1095.7	2370	708.7	83	0	254	337
10/16/2012	3	1095.7	2370	708.7	83	0	254	336
10/16/2012	4	1095.8	2380	708.7	83	0	253	336
10/16/2012	5	1095.8	2360	708.7	83	0	254	336
10/16/2012	6	1095.8	2410	708.7	83	0	254	337
10/16/2012	7	1095.8	2380	708.7	83	0	253	335
10/16/2012	8	1095.8	2360	708.8	83	0	254	336



## 2012 4th Quarter Hourly Flow Data

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)
10/16/2012	9	1095.8	2370	708.8	83	0	253	336
10/16/2012	10	1095.8	2400	708.8	83	0	252	336
10/16/2012	11	1095.8	2420	708.9	83	0	253	336
10/16/2012	12	1095.8	2380	708.8	83	0	253	336
10/16/2012	13	1095.8	2420	708.9	83	0	252	335
10/16/2012	14	1095.8	2380	708.9	83	0	253	336
10/16/2012	15	1095.8	2380	708.8	83	0	253	336
10/16/2012	16	1095.8	2370	708.8	83	0	253	336
10/16/2012	17	1095.8	2390	708.8	83	0	253	336
10/16/2012	18	1095.8	2410	708.9	83	0	252	336
10/16/2012	19	1095.8	2380	708.9	83	0	253	336
10/16/2012	20	1095.8	2370	708.8	83	0	252	336
10/16/2012	21	1095.8	2390	708.9	83	0	254	337
10/16/2012	22	1095.8	2380	708.9	83	0	253	336
10/16/2012	23	1095.8	2360	709.0	83	0	254	337
10/16/2012	24	1095.8	2380	708.7	83	0	252	335
10/17/2012	1	1095.8	2380	708.8	83	0	253	336
10/17/2012	2	1095.8	2400	708.8	83	0	253	336
10/17/2012	3	1095.7	2410	708.8	83	0	253	336
10/17/2012	4	1095.7	2450	708.8	83	0	254	337
10/17/2012	5	1095.7	2470	708.9	83	0	256	339
10/17/2012	6	1095.7	2400	708.8	83	0	254	337
10/17/2012	7	1095.7	2400	708.8	83	0	254	337
10/17/2012	8	1095.7	2380	709.2	83	0	255	338
10/17/2012	9	1095.7	2360	709.2	83	0	256	339
10/17/2012	10	1095.7	2360	708.9	83	0	256	339
10/17/2012	11	1095.7	2370	708.7	83	0	256	339
10/17/2012	12	1095.7	2380	708.7	83	0	255	337
10/17/2012	13	1095.7	2410	708.7	83	0	254	337
10/17/2012	14	1095.7	2400	708.9	83	0	256	339
10/17/2012	15	1095.7	2370	709.0	83	0	256	339
10/17/2012	16	1095.7	2390	708.9	83	0	256	338
10/17/2012	17	1095.6	2410	708.8	83	0	254	337
10/17/2012	18	1095.6	2410	708.8	83	0	255	337
10/17/2012	19	1095.7	2430	708.7	83	0	255	337
10/17/2012	20	1095.6	2380	708.7	83	0	254	338
10/17/2012	21	1095.6	2370	708.7	83	0	254	338
10/17/2012	22	1095.7	2370	708.7	83	0	255	338
10/17/2012	23	1095.6	2390	708.7	83	0	255	338
10/17/2012	24	1095.6	2370	708.7	83	0	255	338
10/18/2012	1	1095.6	2390	708.7	83	0	255	338
10/18/2012	2	1095.6	2390	708.7	83	0	254	338
10/18/2012	3	1095.6	2420	708.7	83	0	254	338
10/18/2012	4	1095.6	2420	708.7	83	0	254	337
10/18/2012	5	1095.6	2420	708.7	83	0	254	336
10/18/2012	6	1095.6	2410	708.7	83	0	255	337

## 2012 4th Quarter Hourly Flow Data

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)
10/18/2012	7	1095.6	2420	708.8	83	0	255	338
10/18/2012	8	1095.6	2380	708.9	83	0	256	339
10/18/2012	9	1095.5	2350	708.9	83	0	256	339
10/18/2012	10	1095.5	2340	708.7	83	0	255	337
10/18/2012	11	1095.6	2350	708.7	83	0	255	338
10/18/2012	12	1095.6	2410	708.9	83	0	256	338
10/18/2012	13	1095.5	2450	709.1	84	0	256	340
10/18/2012	14	1095.5	2460	709.1	84	0	256	340
10/18/2012	15	1095.5	2450	708.8	84	0	255	339
10/18/2012	16	1095.5	2430	708.8	83	0	254	337
10/18/2012	17	1095.5	2480	708.9	82	0	255	338
10/18/2012	18	1095.5	2500	709.1	82	0	256	338
10/18/2012	19	1095.5	2490	708.8	82	0	255	338
10/18/2012	20	1095.5	2430	708.7	83	0	255	338
10/18/2012	21	1095.5	2420	708.7	84	0	255	339
10/18/2012	22	1095.5	2420	708.7	84	0	254	338
10/18/2012	23	1095.5	2440	708.8	84	0	255	339
10/18/2012	24	1095.6	2440	708.7	82	0	254	337
10/19/2012	1	1095.5	2480	708.8	83	0	255	338
10/19/2012	2	1095.5	2500	708.9	82	0	255	337
10/19/2012	3	1095.5	2510	708.8	82	0	255	337
10/19/2012	4	1095.5	2500	708.8	82	0	254	337
10/19/2012	5	1095.5	2480	708.8	84	0	255	338
10/19/2012	6	1095.5	2460	708.8	84	0	254	337
10/19/2012	7	1095.5	2470	709.0	83	0	256	339
10/19/2012	8	1095.5	2460	709.1	83	0	255	338
10/19/2012	9	1095.5	2440	709.0	83	0	254	337
10/19/2012	10	1095.5	2450	708.8	83	0	253	336
10/19/2012	11	1095.5	2400	708.8	82	0	253	336
10/19/2012	12	1095.5	2440	709.0	83	0	254	336
10/19/2012	13	1095.5	2410	709.1	83	0	255	338
10/19/2012	14	1095.5	2420	708.9	83	0	255	338
10/19/2012	15	1095.5	2420	708.9	82	0	254	337
10/19/2012	16	1095.5	2410	708.9	83	0	254	337
10/19/2012	17	1095.5	2420	708.9	83	0	255	338
10/19/2012	18	1095.5	2440	708.9	83	0	255	338
10/19/2012	19	1095.5	2450	708.8	83	0	255	338
10/19/2012	20	1095.6	2420	708.9	83	0	255	338
10/19/2012	21	1095.6	2440	709.0	83	0	254	337
10/19/2012	22	1095.6	2420	708.9	83	0	254	338
10/19/2012	23	1095.6	2440	708.9	83	0	254	337
10/19/2012	24	1095.6	2410	708.8	83	0	254	337
10/20/2012	1	1095.6	2440	708.9	83	0	254	337
10/20/2012	2	1095.6	2450	708.9	83	0	254	337
10/20/2012	3	1095.6	2450	708.8	83	0	254	337
10/20/2012	4	1095.6	2480	708.9	83	0	253	336

## 2012 4th Quarter Hourly Flow Data

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)
10/20/2012	5	1095.6	2510	708.9	83	0	253	336
10/20/2012	6	1095.6	2500	708.9	83	0	254	336
10/20/2012	7	1095.6	2480	708.9	82	0	255	337
10/20/2012	8	1095.6	2470	708.9	82	0	254	337
10/20/2012	9	1095.6	2470	708.9	82	0	255	338
10/20/2012	10	1095.6	2450	709.0	83	0	256	339
10/20/2012	11	1095.6	2430	709.2	84	0	256	339
10/20/2012	12	1095.6	2410	709.1	83	0	254	338
10/20/2012	13	1095.6	2420	709.0	84	0	254	338
10/20/2012	14	1095.6	2440	709.2	83	0	255	339
10/20/2012	15	1095.6	2440	709.2	83	0	255	338
10/20/2012	16	1095.6	2460	709.4	83	0	256	338
10/20/2012	17	1095.5	2480	709.4	82	0	255	337
10/20/2012	18	1095.5	2480	709.4	83	0	256	338
10/20/2012	19	1095.5	2420	709.4	83	0	256	339
10/20/2012	20	1095.5	2430	709.7	82	0	257	340
10/20/2012	21	1095.5	2450	709.3	83	0	255	337
10/20/2012	22	1095.5	2440	709.1	84	0	255	339
10/20/2012	23	1095.5	2440	709.0	84	0	255	338
10/20/2012	24	1095.5	2440	708.8	84	0	253	337
10/21/2012	1	1095.5	2410	709.2	83	0	255	338
10/21/2012	2	1095.5	2420	709.3	82	0	256	338
10/21/2012	3	1095.5	2440	709.1	83	0	256	338
10/21/2012	4	1095.5	2460	708.9	82	0	255	337
10/21/2012	5	1095.5	2450	709.1	82	0	255	338
10/21/2012	6	1095.5	2430	709.1	83	0	257	340
10/21/2012	7	1095.4	2460	709.1	83	0	257	340
10/21/2012	8	1095.4	2460	709.1	83	0	257	341
10/21/2012	9	1095.4	2460	709.0	83	0	256	339
10/21/2012	10	1095.4	2450	709.3	83	0	257	341
10/21/2012	11	1095.4	2450	709.7	83	0	260	343
10/21/2012	12	1095.4	2440	709.6	83	0	258	341
10/21/2012	13	1095.4	2430	708.9	83	0	256	340
10/21/2012	14	1095.4	2440	709.1	83	0	256	340
10/21/2012	15	1095.4	2450	709.6	83	0	259	342
10/21/2012	16	1095.4	2470	709.2	83	0	257	340
10/21/2012	17	1095.4	2460	709.0	83	0	256	340
10/21/2012	18	1095.4	2470	708.9	83	0	255	338
10/21/2012	19	1095.4	2450	708.9	83	0	255	337
10/21/2012	20	1095.4	2430	708.9	83	0	256	338
10/21/2012	21	1095.4	2440	708.9	82	0	255	337
10/21/2012	22	1095.4	2420	709.1	82	0	257	339
10/21/2012	23	1095.4	2440	709.4	82	0	257	339
10/21/2012	24	1095.4	2450	709.2	84	0	257	340
10/22/2012	1	1095.4	2450	709.0	84	0	256	340
10/22/2012	2	1095.4	2480	709.0	84	0	255	339

## 2012 4th Quarter Hourly Flow Data

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)
10/22/2012	3	1095.4	2460	709.3	83	0	257	340
10/22/2012	4	1095.4	2460	708.9	82	0	257	339
10/22/2012	5	1095.4	2490	709.0	82	0	256	338
10/22/2012	6	1095.3	2480	708.9	83	0	256	339
10/22/2012	7	1095.4	2490	708.9	83	0	256	339
10/22/2012	8	1095.4	2470	709.1	83	0	257	341
10/22/2012	9	1095.3	2430	709.1	83	0	257	340
10/22/2012	10	1095.3	2440	708.9	83	0	256	339
10/22/2012	11	1095.3	2450	709.1	83	0	258	341
10/22/2012	12	1095.4	2450	709.2	83	0	258	342
10/22/2012	13	1095.3	2460	709.4	83	0	259	342
10/22/2012	14	1095.4	2470	709.4	83	0	259	343
10/22/2012	15	1095.3	2480	709.4	83	0	258	341
10/22/2012	16	1095.3	2460	709.6	83	0	258	341
10/22/2012	17	1095.3	2490	709.5	83	0	257	341
10/22/2012	18	1095.3	2510	709.5	83	0	257	341
10/22/2012	19	1095.3	2450	709.2	83	0	258	341
10/22/2012	20	1095.3	2430	709.1	83	0	256	340
10/22/2012	21	1095.3	2450	709.6	83	0	257	340
10/22/2012	22	1095.3	2430	709.6	83	0	257	340
10/22/2012	23	1095.3	2430	709.3	83	0	256	339
10/22/2012	24	1095.3	2450	709.0	83	0	255	338
10/23/2012	1	1095.3	2450	708.9	83	0	255	338
10/23/2012	2	1095.3	2450	708.9	83	0	255	337
10/23/2012	3	1095.3	2460	708.9	83	0	255	337
10/23/2012	4	1095.3	2500	709.1	83	0	255	338
10/23/2012	5	1095.3	2470	709.1	83	0	255	338
10/23/2012	6	1095.3	2480	709.1	83	0	256	339
10/23/2012	7	1095.3	2500	709.3	83	0	256	339
10/23/2012	8	1095.3	2420	709.5	83	0	256	339
10/23/2012	9	1095.3	2400	709.5	83	0	257	340
10/23/2012	10	1095.3	2430	709.5	83	0	257	340
10/23/2012	11	1095.3	2420	709.8	83	0	258	341
10/23/2012	12	1095.3	2450	709.7	83	0	257	340
10/23/2012	13	1095.2	2440	709.6	83	0	257	340
10/23/2012	14	1095.2	2490	709.7	83	0	258	340
10/23/2012	15	1095.2	2480	709.7	83	0	259	342
10/23/2012	16	1095.3	2480	709.6	83	0	259	342
10/23/2012	17	1095.2	2450	709.4	83	0	258	341
10/23/2012	18	1095.2	2470	709.2	83	0	258	340
10/23/2012	19	1095.2	2490	709.2	83	0	257	340
10/23/2012	20	1095.2	2460	709.3	83	0	258	340
10/23/2012	21	1095.2	2440	709.3	83	0	258	341
10/23/2012	22	1095.2	2420	709.3	83	0	256	339
10/23/2012	23	1095.2	2430	709.1	82	0	256	339
10/23/2012	24	1095.2	2450	708.9	83	0	256	338

## 2012 4th Quarter Hourly Flow Data

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)
10/24/2012	1	1095.2	2460	708.9	82	0	256	338
10/24/2012	2	1095.2	2460	709.1	83	0	256	339
10/24/2012	3	1095.2	2490	709.1	82	0	257	339
10/24/2012	4	1095.2	2480	708.9	82	0	256	338
10/24/2012	5	1095.2	2480	708.8	82	0	256	338
10/24/2012	6	1095.1	2490	708.9	83	0	256	339
10/24/2012	7	1095.1	2480	708.9	83	0	256	338
10/24/2012	8	1095.1	2480	709.1	83	0	257	340
10/24/2012	9	1095.1	2450	709.1	83	0	256	339
10/24/2012	10	1095.1	2420	709.1	83	0	257	340
10/24/2012	11	1095.2	2430	709.2	83	0	257	340
10/24/2012	12	1095.2	2460	709.1	83	0	257	340
10/24/2012	13	1095.1	2450	709.0	84	0	258	341
10/24/2012	14	1095.1	2450	709.0	84	0	257	341
10/24/2012	15	1095.1	2460	709.1	84	0	257	341
10/24/2012	16	1095.1	2460	709.1	84	0	255	339
10/24/2012	17	1095.1	2480	709.0	84	0	256	339
10/24/2012	18	1095.1	2480	709.0	83	0	255	338
10/24/2012	19	1095.1	2460	708.9	82	0	255	337
10/24/2012	20	1095.1	2460	709.0	83	0	255	337
10/24/2012	21	1095.1	2470	709.0	83	0	255	338
10/24/2012	22	1095.1	2470	709.1	83	0	256	339
10/24/2012	23	1095.1	2450	709.1	83	0	256	338
10/24/2012	24	1095.1	2440	709.1	83	0	255	338
10/25/2012	1	1095.1	2430	709.0	83	0	257	339
10/25/2012	2	1095.1	2450	709.1	83	0	256	338
10/25/2012	3	1095.1	2440	708.9	83	0	255	337
10/25/2012	4	1095.1	2460	708.9	83	0	255	338
10/25/2012	5	1095.1	2480	709.0	83	0	255	338
10/25/2012	6	1095.1	2500	709.3	83	0	256	339
10/25/2012	7	1095.1	2480	709.5	83	0	256	339
10/25/2012	8	1095.1	2480	709.5	83	0	257	339
10/25/2012	9	1095.1	2460	709.5	82	0	256	339
10/25/2012	10	1095.1	2460	709.5	82	0	257	339
10/25/2012	11	1095.1	2470	709.7	83	0	257	340
10/25/2012	12	1095.0	2470	709.9	83	0	258	340
10/25/2012	13	1095.0	2460	709.9	83	0	258	341
10/25/2012	14	1095.0	2470	709.7	83	0	257	340
10/25/2012	15	1095.0	2450	709.6	83	0	258	340
10/25/2012	16	1095.0	2470	709.5	83	0	257	340
10/25/2012	17	1095.0	2480	709.5	82	0	257	339
10/25/2012	18	1095.0	2500	709.5	82	0	257	339
10/25/2012	19	1095.0	2480	709.4	83	0	257	339
10/25/2012	20	1095.0	2450	709.2	83	0	256	338
10/25/2012	21	1095.0	2460	709.3	83	0	257	339
10/25/2012	22	1095.0	2440	709.4	84	0	256	340

## 2012 4th Quarter Hourly Flow Data

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)
10/25/2012	23	1095.0	2440	709.3	84	0	256	340
10/25/2012	24	1095.0	2450	709.1	84	0	255	339
10/26/2012	1	1095.0	2470	708.9	84	0	255	339
10/26/2012	2	1095.0	2460	708.9	83	0	255	339
10/26/2012	3	1095.0	2460	708.9	83	0	256	339
10/26/2012	4	1095.0	2480	709.0	83	0	257	340
10/26/2012	5	1095.0	2480	709.0	83	0	256	339
10/26/2012	6	1095.0	2460	709.1	83	0	256	339
10/26/2012	7	1095.0	2500	709.4	83	0	257	340
10/26/2012	8	1095.0	2440	709.6	82	0	258	340
10/26/2012	9	1095.0	2450	709.6	82	0	258	340
10/26/2012	10	1095.0	2490	709.6	82	0	258	340
10/26/2012	11	1095.0	2510	710.0	83	0	259	342
10/26/2012	12	1094.9	2460	710.2	83	0	261	343
10/26/2012	13	1094.9	2450	710.1	83	0	261	344
10/26/2012	14	1095.0	2480	710.2	83	0	260	343
10/26/2012	15	1095.0	2500	710.1	83	0	259	342
10/26/2012	16	1094.9	2500	709.5	83	0	257	340
10/26/2012	17	1094.9	2490	709.4	83	0	257	339
10/26/2012	18	1094.9	2470	709.5	83	0	257	340
10/26/2012	19	1094.9	2410	709.5	83	0	257	340
10/26/2012	20	1094.9	2410	709.2	83	0	256	340
10/26/2012	21	1094.9	2410	709.2	84	0	256	340
10/26/2012	22	1094.9	2420	709.2	84	0	256	340
10/26/2012	23	1094.9	2450	709.3	83	0	256	340
10/26/2012	24	1094.9	2450	709.1	83	0	255	338
10/27/2012	1	1094.9	2460	708.8	83	0	255	338
10/27/2012	2	1094.9	2450	708.9	83	0	255	338
10/27/2012	3	1094.9	2450	709.0	83	0	255	338
10/27/2012	4	1094.9	2440	708.8	83	0	254	337
10/27/2012	5	1094.9	2460	709.0	83	0	255	338
10/27/2012	6	1094.9	2480	709.2	83	0	255	338
10/27/2012	7	1094.9	2510	709.4	83	0	256	339
10/27/2012	8	1094.9	2490	709.3	83	0	257	339
10/27/2012	9	1094.9	2460	709.2	83	0	256	339
10/27/2012	10	1094.9	2490	709.0	83	0	255	338
10/27/2012	11	1094.9	2460	709.1	83	0	255	338
10/27/2012	12	1094.9	2460	709.2	83	0	256	339
10/27/2012	13	1094.8	2450	709.1	83	0	256	339
10/27/2012	14	1094.9	2460	709.1	83	0	255	338
10/27/2012	15	1094.9	2480	709.1	83	0	256	339
10/27/2012	16	1094.8	2470	709.1	83	0	256	339
10/27/2012	17	1094.8	2490	709.2	83	0	257	340
10/27/2012	18	1094.8	2460	709.4	83	0	257	340
10/27/2012	19	1094.8	2450	709.3	83	0	257	340
10/27/2012	20	1094.8	2440	709.0	83	0	256	339

## 2012 4th Quarter Hourly Flow Data

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)
10/27/2012	21	1094.8	2470	709.2	83	0	256	339
10/27/2012	22	1094.8	2450	709.4	83	0	256	339
10/27/2012	23	1094.8	2430	709.0	83	0	256	338
10/27/2012	24	1094.8	2450	708.8	83	0	254	337
10/28/2012	1	1094.8	2440	708.9	83	0	255	338
10/28/2012	2	1094.8	2450	709.0	83	0	257	340
10/28/2012	3	1094.8	2430	709.0	83	0	255	338
10/28/2012	4	1094.8	2450	708.9	83	0	255	338
10/28/2012	5	1094.8	2470	709.0	83	0	256	339
10/28/2012	6	1094.8	2470	709.2	83	0	257	340
10/28/2012	7	1094.8	2480	709.3	83	0	256	339
10/28/2012	8	1094.8	2450	708.9	83	0	256	339
10/28/2012	9	1094.8	2490	709.0	83	0	256	339
10/28/2012	10	1094.8	2480	709.2	83	0	257	340
10/28/2012	11	1094.8	2480	709.2	83	0	257	340
10/28/2012	12	1094.8	2480	709.0	83	0	257	340
10/28/2012	13	1094.8	2450	708.8	83	0	256	339
10/28/2012	14	1094.8	2470	708.9	83	0	257	340
10/28/2012	15	1094.8	2480	708.9	83	0	257	339
10/28/2012	16	1094.8	2480	708.9	83	0	257	340
10/28/2012	17	1094.8	2470	708.9	83	0	258	340
10/28/2012	18	1094.8	2480	709.0	83	0	257	340
10/28/2012	19	1094.8	2440	709.0	82	0	257	339
10/28/2012	20	1094.8	2430	708.9	82	0	256	339
10/28/2012	21	1094.8	2450	709.0	82	0	256	339
10/28/2012	22	1094.8	2440	708.9	82	0	256	338
10/28/2012	23	1094.8	2430	708.8	83	0	255	337
10/28/2012	24	1094.7	2440	708.8	84	0	255	339
10/29/2012	1	1094.8	2440	708.8	83	0	255	338
10/29/2012	2	1094.8	2430	708.8	84	0	255	339
10/29/2012	3	1094.8	2460	708.8	84	0	255	338
10/29/2012	4	1094.8	2480	708.9	83	0	255	338
10/29/2012	5	1094.8	2470	708.9	84	0	255	339
10/29/2012	6	1094.8	2490	708.8	83	0	255	338
10/29/2012	7	1094.8	2490	708.9	83	0	255	338
10/29/2012	8	1094.8	2480	708.9	83	0	255	338
10/29/2012	9	1094.8	2440	708.9	83	0	255	337
10/29/2012	10	1094.8	2440	708.9	83	0	254	337
10/29/2012	11	1094.8	2440	708.9	83	0	254	337
10/29/2012	12	1094.8	2450	709.0	83	0	254	337
10/29/2012	13	1094.8	2460	708.9	83	0	254	337
10/29/2012	14	1094.8	2440	708.9	83	0	254	337
10/29/2012	15	1094.8	2440	709.0	83	0	253	336
10/29/2012	16	1094.8	2460	709.1	83	0	254	336
10/29/2012	17	1094.8	2490	709.2	82	0	254	336
10/29/2012	18	1094.8	2490	709.1	82	0	254	336

## 2012 4th Quarter Hourly Flow Data

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)
10/29/2012	19	1094.8	2440	709.2	82	0	254	337
10/29/2012	20	1094.8	2430	709.1	83	0	254	337
10/29/2012	21	1094.8	2430	709.1	83	0	254	337
10/29/2012	22	1094.8	2410	709.0	83	0	255	337
10/29/2012	23	1094.8	2420	708.9	83	0	253	336
10/29/2012	24	1094.8	2440	708.8	83	0	254	336
10/30/2012	1	1094.8	2450	708.8	83	0	254	337
10/30/2012	2	1094.8	2440	708.8	83	0	253	336
10/30/2012	3	1094.8	2450	708.8	83	0	254	337
10/30/2012	4	1094.8	2470	708.8	83	0	255	338
10/30/2012	5	1094.8	2450	708.8	83	0	255	337
10/30/2012	6	1094.8	2470	708.8	83	0	255	337
10/30/2012	7	1094.8	2480	709.1	83	0	255	338
10/30/2012	8	1094.8	2430	709.1	83	0	256	339
10/30/2012	9	1094.8	2420	709.1	83	0	256	338
10/30/2012	10	1094.8	2450	708.9	83	0	254	337
10/30/2012	11	1094.8	2470	708.9	83	0	254	337
10/30/2012	12	1094.8	2460	708.9	83	0	255	337
10/30/2012	13	1094.9	2430	709.0	83	0	255	338
10/30/2012	14	1094.8	2470	708.9	83	0	255	338
10/30/2012	15	1094.9	2450	708.9	83	0	255	338
10/30/2012	16	1094.8	2460	708.9	83	0	257	339
10/30/2012	17	1094.8	2470	709.0	83	0	256	339
10/30/2012	18	1094.9	2470	709.1	83	0	256	339
10/30/2012	19	1094.9	2470	709.1	83	0	256	339
10/30/2012	20	1094.9	2460	708.9	83	0	256	339
10/30/2012	21	1094.9	2440	709.0	83	0	256	339
10/30/2012	22	1094.9	2470	709.2	83	0	257	339
10/30/2012	23	1094.9	2450	709.1	83	0	256	339
10/30/2012	24	1094.9	2450	708.9	83	0	256	339
10/31/2012	1	1094.9	2430	708.8	83	0	255	338
10/31/2012	2	1094.9	2450	708.8	83	0	255	337
10/31/2012	3	1094.9	2440	708.8	83	0	255	337
10/31/2012	4	1094.9	2470	708.9	83	0	255	337
10/31/2012	5	1094.9	2470	708.9	83	0	255	338
10/31/2012	6	1094.9	2470	709.0	83	0	256	338
10/31/2012	7	1094.9	2470	709.0	83	0	255	338
10/31/2012	8	1094.9	2450	709.0	83	0	256	338
10/31/2012	9	1094.9	2430	709.0	83	0	255	338
10/31/2012	10	1094.9	2450	709.0	83	0	255	338
10/31/2012	11	1094.9	2440	709.0	83	0	255	338
10/31/2012	12	1094.9	2470	709.1	83	0	256	339
10/31/2012	13	1094.9	2470	709.3	83	0	256	339
10/31/2012	14	1094.9	2460	709.3	83	0	256	339
10/31/2012	15	1094.9	2450	709.2	83	0	256	339
10/31/2012	16	1095.0	2440	709.1	83	0	255	338



## 2012 4th Quarter Hourly Flow Data

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)
10/31/2012	17	1094.9	2440	709.2	83	0	256	339
10/31/2012	18	1094.9	2440	709.0	83	0	255	338
10/31/2012	19	1095.0	2410	709.1	83	0	255	338
10/31/2012	20	1095.0	2450	709.5	83	0	257	340
10/31/2012	21	1095.0	2460	709.7	83	0	257	340
10/31/2012	22	1095.0	2480	709.6	83	0	257	340
10/31/2012	23	1095.0	2460	709.6	83	0	257	340
10/31/2012	24	1095.0	2450	709.3	83	0	256	339
11/1/2012	1	1095.0	2440	708.9	83	0	255	338
11/1/2012	2	1095.0	2420	708.8	83	0	254	337
11/1/2012	3	1095.0	2440	708.9	83	0	255	337
11/1/2012	4	1095.0	2460	708.9	83	0	255	338
11/1/2012	5	1095.0	2460	709.0	83	0	254	338
11/1/2012	6	1095.0	2470	709.2	83	0	256	339
11/1/2012	7	1095.0	2440	709.0	83	0	255	338
11/1/2012	8	1095.0	2450	709.3	83	0	256	339
11/1/2012	9	1095.0	2450	709.2	83	0	256	339
11/1/2012	10	1095.0	2450	709.3	83	0	256	339
11/1/2012	11	1095.0	2450	709.4	83	0	256	339
11/1/2012	12	1095.0	2450	709.2	83	0	255	338
11/1/2012	13	1095.0	2440	709.1	83	0	255	339
11/1/2012	14	1095.0	2460	709.2	83	0	256	339
11/1/2012	15	1095.0	2450	709.2	83	0	256	340
11/1/2012	16	1095.0	2420	709.1	83	0	256	339
11/1/2012	17	1095.0	2460	709.0	83	0	255	338
11/1/2012	18	1095.0	2480	709.1	83	0	255	339
11/1/2012	19	1095.0	2490	709.1	83	0	255	338
11/1/2012	20	1095.1	2440	709.0	83	0	255	338
11/1/2012	21	1095.1	2420	708.9	83	0	255	338
11/1/2012	22	1095.0	2430	709.1	83	0	256	339
11/1/2012	23	1095.0	2430	709.1	83	0	256	339
11/1/2012	24	1095.1	2430	709.1	83	0	256	339
11/2/2012	1	1095.1	2440	709.1	83	0	256	339
11/2/2012	2	1095.0	2450	709.2	83	0	255	339
11/2/2012	3	1095.1	2450	709.1	83	0	256	339
11/2/2012	4	1095.1	2430	709.1	83	0	256	338
11/2/2012	5	1095.1	2480	709.4	83	0	256	339
11/2/2012	6	1095.0	2500	709.8	83	0	258	341
11/2/2012	7	1095.0	2500	709.2	83	0	256	339
11/2/2012	8	1095.0	2470	709.4	83	0	256	340
11/2/2012	9	1095.0	2470	709.8	83	0	258	341
11/2/2012	10	1095.0	2480	710.1	83	0	259	342
11/2/2012	11	1095.0	2470	710.7	83	0	260	343
11/2/2012	12	1095.0	2470	710.3	83	0	259	343
11/2/2012	13	1095.0	2460	710.0	83	0	258	341
11/2/2012	14	1095.1	2460	709.8	83	0	257	340

## 2012 4th Quarter Hourly Flow Data

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)
11/2/2012	15	1095.0	2460	709.4	83	0	256	339
11/2/2012	16	1095.0	2470	709.0	83	0	256	339
11/2/2012	17	1095.0	2490	709.3	83	0	257	340
11/2/2012	18	1095.0	2470	709.2	83	0	256	339
11/2/2012	19	1095.0	2430	709.2	83	0	255	338
11/2/2012	20	1095.0	2450	709.2	83	0	256	339
11/2/2012	21	1095.1	2440	709.4	83	0	256	339
11/2/2012	22	1095.0	2450	709.4	83	0	256	340
11/2/2012	23	1095.0	2460	709.2	83	0	256	339
11/2/2012	24	1095.1	2460	709.1	83	0	255	338
11/3/2012	1	1095.1	2440	709.1	83	0	256	338
11/3/2012	2	1095.1	2440	709.1	83	0	255	338
11/3/2012	3	1095.0	2430	709.0	83	0	255	339
11/3/2012	4	1095.0	2450	709.0	83	0	254	337
11/3/2012	5	1095.1	2480	709.1	83	0	255	338
11/3/2012	6	1095.0	2480	709.2	83	0	255	338
11/3/2012	7	1095.0	2470	709.1	83	0	255	338
11/3/2012	8	1095.0	2470	709.1	83	0	254	337
11/3/2012	9	1095.0	2460	709.3	83	0	256	339
11/3/2012	10	1095.1	2470	709.4	83	0	256	339
11/3/2012	11	1095.0	2470	709.4	83	0	256	339
11/3/2012	12	1095.0	2480	709.3	83	0	256	339
11/3/2012	13	1095.0	2480	709.4	83	0	256	339
11/3/2012	14	1095.0	2450	709.2	83	0	256	339
11/3/2012	15	1095.0	2440	709.1	83	0	255	337
11/3/2012	16	1095.0	2460	709.0	83	0	255	337
11/3/2012	17	1095.0	2460	709.0	82	0	255	338
11/3/2012	18	1095.1	2480	709.0	83	0	255	338
11/3/2012	19	1095.0	2440	709.2	83	0	256	339
11/3/2012	20	1095.1	2400	709.0	83	0	256	339
11/3/2012	21	1095.1	2440	708.9	83	0	255	338
11/3/2012	22	1095.0	2430	708.9	83	0	255	337
11/3/2012	23	1095.0	2440	709.0	83	0	255	338
11/3/2012	24	1095.1	2430	709.2	83	0	255	337
11/4/2012	1	1095.1	2450	709.2	83	0	256	339
11/4/2012	2	1095.0	2430	709.1	83	0	255	337
11/4/2012	3	1095.1	2460	709.1	83	0	255	338
11/4/2012	4	1095.1	2460	709.1	83	0	255	338
11/4/2012	5	1095.1	2480	709.4	83	0	255	338
11/4/2012	6	1095.1	2490	709.2	83	0	256	338
11/4/2012	7	1095.1	2480	709.0	83	0	255	338
11/4/2012	8	1095.0	2500	708.9	83	0	254	337
11/4/2012	9	1095.1	2470	708.9	83	0	255	338
11/4/2012	10	1095.1	2440	709.0	83	0	255	338
11/4/2012	11	1095.1	2460	709.1	83	0	257	340
11/4/2012	12	1095.1	2450	709.2	83	0	257	340

## 2012 4th Quarter Hourly Flow Data

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)
11/4/2012	13	1095.1	2410	709.0	83	0	256	339
11/4/2012	14	1095.1	2440	708.9	83	0	256	339
11/4/2012	15	1095.1	2450	709.1	83	0	256	339
11/4/2012	16	1095.1	2480	709.4	83	0	256	339
11/4/2012	17	1095.1	2480	709.3	83	0	256	340
11/4/2012	18	1095.1	2470	709.2	83	0	256	339
11/4/2012	19	1095.1	2440	709.2	83	0	256	339
11/4/2012	20	1095.1	2450	709.3	83	0	255	338
11/4/2012	21	1095.1	2440	709.1	83	0	256	339
11/4/2012	22	1095.1	2430	709.1	83	0	255	338
11/4/2012	23	1095.1	2430	709.0	83	0	255	338
11/4/2012	24	1095.1	2450	709.0	83	0	254	337
11/5/2012	1	1095.2	2440	709.1	83	0	255	338
11/5/2012	2	1095.1	2470	709.0	83	0	254	338
11/5/2012	3	1095.1	2490	708.9	83	0	255	338
11/5/2012	4	1095.1	2500	709.0	83	0	253	336
11/5/2012	5	1095.1	2490	709.3	83	0	254	337
11/5/2012	6	1095.2	2510	709.3	83	0	253	336
11/5/2012	7	1095.2	2470	709.3	83	0	256	339
11/5/2012	8	1095.1	2480	709.5	83	0	259	342
11/5/2012	9	1095.2	2470	709.3	83	0	257	340
11/5/2012	10	1095.2	2470	709.2	83	0	257	340
11/5/2012	11	1095.2	2460	709.2	83	0	257	339
11/5/2012	12	1095.2	2480	709.4	83	0	256	339
11/5/2012	13	1095.2	2470	709.7	83	0	256	339
11/5/2012	14	1095.2	2460	709.6	83	0	257	340
11/5/2012	15	1095.2	2470	709.7	83	0	257	340
11/5/2012	16	1095.2	2500	709.6	83	0	257	340
11/5/2012	17	1095.2	2470	709.4	83	0	256	339
11/5/2012	18	1095.2	2460	709.5	83	0	256	339
11/5/2012	19	1095.2	2410	709.7	77	0	257	333
11/5/2012	20	1095.2	2420	709.6	85	0	257	342
11/5/2012	21	1095.2	2420	709.5	88	0	257	344
11/5/2012	22	1095.2	2420	709.3	88	0	255	343
11/5/2012	23	1095.2	2430	709.3	88	0	255	343
11/5/2012	24	1095.3	2450	709.3	88	0	255	343
11/6/2012	1	1095.3	2460	709.3	88	0	256	344
11/6/2012	2	1095.2	2480	709.2	87	0	255	342
11/6/2012	3	1095.2	2460	709.1	86	0	255	342
11/6/2012	4	1095.2	2470	709.1	86	0	256	342
11/6/2012	5	1095.3	2500	709.2	86	0	255	341
11/6/2012	6	1095.3	2490	709.1	86	0	255	341
11/6/2012	7	1095.2	2450	709.1	86	0	255	341
11/6/2012	8	1095.2	2460	709.5	86	0	256	342
11/6/2012	9	1095.3	2460	709.9	86	0	257	343
11/6/2012	10	1095.3	2450	709.4	86	0	257	343

## 2012 4th Quarter Hourly Flow Data

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)
11/6/2012	11	1095.2	2490	709.3	86	0	255	341
11/6/2012	12	1095.2	2470	709.9	86	0	258	344
11/6/2012	13	1095.3	2470	710.0	86	0	258	344
11/6/2012	14	1095.3	2450	709.5	86	0	256	342
11/6/2012	15	1095.2	2450	709.3	86	0	256	342
11/6/2012	16	1095.2	2460	709.4	86	0	256	342
11/6/2012	17	1095.3	2480	709.4	86	0	255	341
11/6/2012	18	1095.3	2460	709.0	86	0	255	340
11/6/2012	19	1095.3	2430	709.0	86	0	254	340
11/6/2012	20	1095.3	2440	709.2	86	0	256	342
11/6/2012	21	1095.3	2420	709.3	86	0	256	341
11/6/2012	22	1095.3	2460	709.5	86	0	256	342
11/6/2012	23	1095.3	2440	709.0	86	0	255	341
11/6/2012	24	1095.3	2440	708.8	86	0	253	339
11/7/2012	1	1095.3	2440	709.0	86	0	254	340
11/7/2012	2	1095.3	2440	709.0	86	0	254	340
11/7/2012	3	1095.3	2450	708.9	86	0	253	339
11/7/2012	4	1095.3	2480	709.0	86	0	254	339
11/7/2012	5	1095.3	2470	709.2	86	0	254	340
11/7/2012	6	1095.3	2480	709.3	86	0	255	341
11/7/2012	7	1095.3	2440	709.0	86	0	254	340
11/7/2012	8	1095.3	2440	709.1	86	0	255	340
11/7/2012	9	1095.3	2490	709.4	86	0	255	341
11/7/2012	10	1095.3	2430	709.6	87	0	256	342
11/7/2012	11	1095.3	2440	709.3	87	0	254	341
11/7/2012	12	1095.3	2450	709.2	87	0	253	340
11/7/2012	13	1095.3	2490	709.3	87	0	253	340
11/7/2012	14	1095.3	2480	709.2	86	0	253	340
11/7/2012	15	1095.3	2470	709.1	87	0	254	340
11/7/2012	16	1095.3	2470	709.1	86	0	254	340
11/7/2012	17	1095.3	2470	709.4	87	0	255	342
11/7/2012	18	1095.3	2450	709.4	87	0	256	342
11/7/2012	19	1095.3	2430	709.3	87	0	255	342
11/7/2012	20	1095.3	2450	709.2	87	0	256	342
11/7/2012	21	1095.3	2450	709.4	86	0	256	342
11/7/2012	22	1095.3	2420	709.2	87	0	256	342
11/7/2012	23	1095.3	2430	709.0	86	0	255	341
11/7/2012	24	1095.3	2440	708.9	86	0	254	341
11/8/2012	1	1095.3	2430	709.0	86	0	255	341
11/8/2012	2	1095.3	2470	708.9	86	0	254	340
11/8/2012	3	1095.3	2480	709.0	87	0	254	341
11/8/2012	4	1095.3	2490	709.0	86	0	254	341
11/8/2012	5	1095.3	2500	709.1	86	0	255	342
11/8/2012	6	1095.3	2490	709.2	87	0	256	342
11/8/2012	7	1095.3	2470	709.1	86	0	255	341
11/8/2012	8	1095.3	2430	709.2	86	0	256	342

## 2012 4th Quarter Hourly Flow Data

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)
11/8/2012	9	1095.3	2420	709.3	86	0	256	343
11/8/2012	10	1095.3	2460	709.7	86	0	257	343
11/8/2012	11	1095.3	2450	709.7	86	0	257	343
11/8/2012	12	1095.3	2430	709.3	86	0	255	342
11/8/2012	13	1095.3	2430	709.1	86	0	255	341
11/8/2012	14	1095.3	2450	709.1	87	0	256	342
11/8/2012	15	1095.3	2440	709.1	86	0	255	341
11/8/2012	16	1095.3	2450	709.3	87	0	256	343
11/8/2012	17	1095.3	2500	709.4	87	0	256	343
11/8/2012	18	1095.3	2430	709.2	86	0	257	343
11/8/2012	19	1095.3	2460	709.1	86	0	256	342
11/8/2012	20	1095.3	2470	709.6	86	0	256	342
11/8/2012	21	1095.3	2470	710.0	87	0	258	344
11/8/2012	22	1095.3	2470	709.8	86	0	257	343
11/8/2012	23	1095.3	2470	709.1	86	0	254	340
11/8/2012	24	1095.3	2460	708.8	86	0	254	340
11/9/2012	1	1095.3	2470	708.9	86	0	254	341
11/9/2012	2	1095.3	2470	709.1	87	0	255	341
11/9/2012	3	1095.3	2470	709.1	86	0	254	341
11/9/2012	4	1095.3	2480	709.0	86	0	255	341
11/9/2012	5	1095.3	2480	709.0	86	0	254	341
11/9/2012	6	1095.3	2480	709.1	86	0	255	341
11/9/2012	7	1095.3	2460	709.2	86	0	254	340
11/9/2012	8	1095.3	2480	709.8	86	0	257	343
11/9/2012	9	1095.3	2460	709.6	85	0	257	342
11/9/2012	10	1095.3	2460	709.4	87	0	256	343
11/9/2012	11	1095.2	2430	709.4	82	0	256	339
11/9/2012	12	1095.3	2460	709.8	82	0	258	340
11/9/2012	13	1095.3	2480	709.8	82	0	258	341
11/9/2012	14	1095.3	2470	709.5	83	0	257	340
11/9/2012	15	1095.2	2460	709.6	85	0	258	343
11/9/2012	16	1095.2	2470	709.6	85	0	258	343
11/9/2012	17	1095.3	2470	709.4	85	0	257	341
11/9/2012	18	1095.3	2450	709.4	84	0	256	341
11/9/2012	19	1095.2	2430	709.7	85	0	257	341
11/9/2012	20	1095.2	2460	709.7	85	0	257	342
11/9/2012	21	1095.2	2450	709.3	85	0	256	341
11/9/2012	22	1095.2	2450	709.1	84	0	256	340
11/9/2012	23	1095.2	2450	709.1	84	0	255	340
11/9/2012	24	1095.2	2450	709.0	84	0	255	340
11/10/2012	1	1095.2	2470	709.0	85	0	255	340
11/10/2012	2	1095.2	2460	709.0	85	0	256	340
11/10/2012	3	1095.2	2480	709.1	85	0	256	340
11/10/2012	4	1095.2	2460	709.1	84	0	256	340
11/10/2012	5	1095.2	2470	709.5	84	0	257	341
11/10/2012	6	1095.2	2440	709.7	85	0	258	342

## 2012 4th Quarter Hourly Flow Data

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)
11/10/2012	7	1095.2	2470	709.3	85	0	257	342
11/10/2012	8	1095.2	2470	709.2	85	0	256	341
11/10/2012	9	1095.2	2470	709.6	85	0	258	342
11/10/2012	10	1095.2	2460	709.8	85	0	259	344
11/10/2012	11	1095.2	2460	709.6	85	0	257	342
11/10/2012	12	1095.2	2450	709.2	84	0	257	341
11/10/2012	13	1095.1	2440	709.3	85	0	257	341
11/10/2012	14	1095.2	2470	709.5	85	0	257	342
11/10/2012	15	1095.2	2470	709.4	85	0	257	342
11/10/2012	16	1095.1	2490	709.3	84	0	256	341
11/10/2012	17	1095.1	2490	709.2	85	0	256	340
11/10/2012	18	1095.2	2450	709.2	85	0	256	340
11/10/2012	19	1095.2	2430	709.4	84	0	256	340
11/10/2012	20	1095.2	2480	709.8	84	0	256	341
11/10/2012	21	1095.1	2460	709.9	85	0	258	342
11/10/2012	22	1095.2	2470	709.5	85	0	256	340
11/10/2012	23	1095.1	2480	709.1	84	0	255	339
11/10/2012	24	1095.1	2450	709.1	84	0	255	340
11/11/2012	1	1095.1	2480	709.5	84	0	256	341
11/11/2012	2	1095.1	2490	709.9	85	0	257	342
11/11/2012	3	1095.1	2480	709.7	84	0	256	341
11/11/2012	4	1095.1	2470	709.4	84	0	256	340
11/11/2012	5	1095.1	2490	709.1	84	0	256	340
11/11/2012	6	1095.1	2470	709.1	84	0	255	339
11/11/2012	7	1095.1	2490	709.5	84	0	256	341
11/11/2012	8	1095.1	2460	709.5	84	0	257	341
11/11/2012	9	1095.1	2450	709.4	84	0	257	342
11/11/2012	10	1095.1	2460	709.4	85	0	257	342
11/11/2012	11	1095.1	2450	709.5	84	0	258	342
11/11/2012	12	1095.1	2480	709.6	84	0	257	342
11/11/2012	13	1095.1	2470	709.6	84	0	258	342
11/11/2012	14	1095.1	2470	709.6	84	0	258	342
11/11/2012	15	1095.1	2500	709.5	84	0	258	342
11/11/2012	16	1095.1	2460	709.3	85	0	257	341
11/11/2012	17	1095.1	2460	709.4	85	0	258	342
11/11/2012	18	1095.1	2470	709.5	84	0	258	342
11/11/2012	19	1095.1	2440	709.2	84	0	256	341
11/11/2012	20	1095.1	2460	709.6	84	0	258	342
11/11/2012	21	1095.1	2440	709.6	84	0	257	341
11/11/2012	22	1095.1	2470	709.6	84	0	257	342
11/11/2012	23	1095.1	2460	709.4	84	0	256	341
11/11/2012	24	1095.1	2470	709.2	85	0	256	340
11/12/2012	1	1095.1	2460	709.0	85	0	255	339
11/12/2012	2	1095.1	2460	708.8	84	0	254	339
11/12/2012	3	1095.1	2480	708.9	84	0	255	339
11/12/2012	4	1095.1	2460	708.9	84	0	255	339

## 2012 4th Quarter Hourly Flow Data

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)
11/12/2012	5	1095.1	2470	708.9	84	0	254	338
11/12/2012	6	1095.1	2460	709.0	85	0	255	339
11/12/2012	7	1095.1	2440	708.9	85	0	255	339
11/12/2012	8	1095.1	2490	709.2	85	0	254	339
11/12/2012	9	1095.1	2510	709.0	84	0	254	339
11/12/2012	10	1095.1	2490	709.3	84	0	256	340
11/12/2012	11	1095.1	2450	709.7	84	0	256	340
11/12/2012	12	1095.1	2450	709.6	84	0	256	340
11/12/2012	13	1095.1	2470	709.1	84	0	254	339
11/12/2012	14	1095.1	2470	708.8	84	0	254	338
11/12/2012	15	1095.1	2480	708.9	84	0	253	338
11/12/2012	16	1095.1	2490	709.1	84	0	255	339
11/12/2012	17	1095.1	2490	709.1	84	0	255	339
11/12/2012	18	1095.1	2460	709.0	84	0	254	339
11/12/2012	19	1095.1	2390	708.9	85	0	255	339
11/12/2012	20	1095.1	2410	708.9	84	0	254	339
11/12/2012	21	1095.1	2390	708.8	84	0	254	338
11/12/2012	22	1095.1	2410	708.8	84	0	254	338
11/12/2012	23	1095.1	2410	708.8	84	0	254	338
11/12/2012	24	1095.1	2430	708.8	84	0	254	338
11/13/2012	1	1095.0	2470	708.9	84	0	254	338
11/13/2012	2	1095.0	2470	708.9	84	0	254	338
11/13/2012	3	1095.0	2460	708.8	84	0	254	338
11/13/2012	4	1095.0	2450	709.0	84	0	254	338
11/13/2012	5	1095.0	2470	709.1	84	0	254	338
11/13/2012	6	1095.0	2460	709.1	84	0	254	339
11/13/2012	7	1095.0	2470	709.3	84	0	254	338
11/13/2012	8	1095.0	2450	709.6	84	0	256	340
11/13/2012	9	1095.0	2440	709.5	84	0	256	340
11/13/2012	10	1095.0	2450	709.2	84	0	255	339
11/13/2012	11	1095.0	2480	709.1	84	0	254	338
11/13/2012	12	1095.0	2520	709.3	86	0	255	341
11/13/2012	13	1095.0	2510	709.5	86	0	256	341
11/13/2012	14	1095.0	2500	709.4	83	0	255	338
11/13/2012	15	1095.0	2530	709.2	82	0	254	336
11/13/2012	16	1095.0	2490	709.1	83	0	254	337
11/13/2012	17	1095.0	2500	709.1	83	0	254	337
11/13/2012	18	1095.0	2510	709.1	82	0	254	336
11/13/2012	19	1095.0	2460	709.3	83	0	255	337
11/13/2012	20	1095.0	2480	709.4	83	0	255	338
11/13/2012	21	1095.0	2410	709.3	83	0	255	338
11/13/2012	22	1095.0	2400	709.0	83	0	254	337
11/13/2012	23	1095.0	2400	708.9	83	0	254	337
11/13/2012	24	1095.0	2420	709.0	83	0	254	337
11/14/2012	1	1095.0	2480	709.1	83	0	254	337
11/14/2012	2	1095.0	2460	709.0	83	0	254	337

## 2012 4th Quarter Hourly Flow Data

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)
11/14/2012	3	1095.0	2480	709.0	83	0	253	336
11/14/2012	4	1095.0	2490	709.0	83	0	254	337
11/14/2012	5	1095.0	2460	709.1	83	0	254	337
11/14/2012	6	1095.0	2470	709.4	83	0	255	337
11/14/2012	7	1095.0	2470	709.5	83	0	255	338
11/14/2012	8	1095.0	2480	709.8	83	0	256	339
11/14/2012	9	1095.0	2480	709.6	83	0	256	339
11/14/2012	10	1095.0	2440	709.3	83	0	255	337
11/14/2012	11	1094.9	2450	709.3	83	0	255	338
11/14/2012	12	1094.9	2460	709.4	83	0	255	338
11/14/2012	13	1094.9	2480	709.5	83	0	256	338
11/14/2012	14	1094.9	2470	709.5	83	0	257	339
11/14/2012	15	1094.9	2490	709.3	83	0	256	339
11/14/2012	16	1094.9	2480	709.2	83	0	255	338
11/14/2012	17	1094.9	2490	709.2	83	0	256	339
11/14/2012	18	1094.9	2480	709.3	83	0	255	338
11/14/2012	19	1094.9	2480	709.6	83	0	257	339
11/14/2012	20	1094.9	2490	709.8	83	0	256	339
11/14/2012	21	1094.9	2460	709.9	83	0	257	339
11/14/2012	22	1094.9	2480	709.6	83	0	256	339
11/14/2012	23	1094.9	2450	709.3	83	0	255	337
11/14/2012	24	1094.9	2440	709.1	82	0	254	336
11/15/2012	1	1094.9	2450	708.9	83	0	253	336
11/15/2012	2	1094.9	2460	709.0	83	0	254	337
11/15/2012	3	1094.9	2470	709.1	83	0	255	338
11/15/2012	4	1094.9	2490	709.1	83	0	254	337
11/15/2012	5	1094.9	2470	709.0	83	0	255	338
11/15/2012	6	1094.9	2490	708.9	82	0	254	336
11/15/2012	7	1094.9	2480	709.0	82	0	255	337
11/15/2012	8	1094.9	2460	709.5	83	0	256	339
11/15/2012	9	1094.9	2450	709.7	83	0	257	339
11/15/2012	10	1094.9	2460	709.4	83	0	256	338
11/15/2012	11	1094.9	2460	709.2	83	0	256	338
11/15/2012	12	1094.9	2470	709.6	82	0	257	339
11/15/2012	13	1094.9	2460	709.6	83	0	257	340
11/15/2012	14	1094.9	2450	709.3	82	0	256	338
11/15/2012	15	1094.8	2420	709.2	83	0	255	338
11/15/2012	16	1094.8	2410	709.4	82	0	256	338
11/15/2012	17	1094.9	2440	709.5	82	0	256	338
11/15/2012	18	1094.8	2370	709.4	82	0	256	338
11/15/2012	19	1094.8	2360	709.4	82	0	256	338
11/15/2012	20	1094.8	2370	709.5	82	0	256	338
11/15/2012	21	1094.8	2360	709.5	82	0	256	338
11/15/2012	22	1094.9	2360	709.3	83	0	254	337
11/15/2012	23	1094.8	2350	709.1	83	0	254	336
11/15/2012	24	1094.8	2270	708.8	83	0	253	336



## 2012 4th Quarter Hourly Flow Data

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)
11/16/2012	1	1094.8	2290	708.8	82	0	253	336
11/16/2012	2	1094.8	2260	708.8	82	0	254	336
11/16/2012	3	1094.8	2270	708.9	82	0	254	336
11/16/2012	4	1094.8	2280	708.9	82	0	253	336
11/16/2012	5	1094.8	2270	708.8	82	0	253	336
11/16/2012	6	1094.8	2280	708.9	82	0	253	336
11/16/2012	7	1094.8	2270	709.2	83	0	255	337
11/16/2012	8	1094.8	2280	710.2	82	0	257	340
11/16/2012	9	1094.8	2280	709.8	82	0	257	339
11/16/2012	10	1094.8	2270	709.7	83	0	256	339
11/16/2012	11	1094.8	2270	709.6	83	0	256	338
11/16/2012	12	1094.8	2260	709.6	83	0	256	338
11/16/2012	13	1094.8	2270	709.9	82	0	256	339
11/16/2012	14	1094.8	2370	709.8	82	0	256	338
11/16/2012	15	1094.8	2400	709.6	83	0	255	338
11/16/2012	16	1094.8	2420	709.5	82	0	255	338
11/16/2012	17	1094.8	2400	709.3	82	0	255	337
11/16/2012	18	1094.8	2390	709.4	83	0	256	338
11/16/2012	19	1094.7	2370	709.6	82	0	256	338
11/16/2012	20	1094.8	2390	709.2	82	0	255	337
11/16/2012	21	1094.8	2400	709.2	82	0	254	337
11/16/2012	22	1094.8	2390	709.2	82	0	254	337
11/16/2012	23	1094.7	2410	709.5	82	0	256	338
11/16/2012	24	1094.7	2380	709.5	82	0	255	337
11/17/2012	1	1094.8	2390	709.3	82	0	256	338
11/17/2012	2	1094.8	2390	709.0	82	0	255	337
11/17/2012	3	1094.7	2400	709.1	82	0	255	337
11/17/2012	4	1094.7	2400	709.6	82	0	256	338
11/17/2012	5	1094.7	2420	710.0	82	0	258	340
11/17/2012	6	1094.7	2420	709.4	82	0	255	337
11/17/2012	7	1094.7	2420	708.9	82	0	255	337
11/17/2012	8	1094.7	2430	709.3	82	0	255	337
11/17/2012	9	1094.7	2410	709.5	82	0	255	338
11/17/2012	10	1094.7	2430	709.9	82	0	256	339
11/17/2012	11	1094.7	2410	709.6	82	0	256	338
11/17/2012	12	1094.7	2400	709.5	82	0	256	338
11/17/2012	13	1094.7	2410	709.9	82	0	257	339
11/17/2012	14	1094.7	2390	710.4	82	0	258	340
11/17/2012	15	1094.7	2370	709.9	82	0	256	338
11/17/2012	16	1094.7	2410	709.7	82	0	255	338
11/17/2012	17	1094.7	2440	709.9	82	0	257	339
11/17/2012	18	1094.7	2390	709.9	82	0	257	339
11/17/2012	19	1094.7	2390	710.2	82	0	257	339
11/17/2012	20	1094.7	2430	710.4	82	0	257	340
11/17/2012	21	1094.7	2420	710.3	82	0	258	340
11/17/2012	22	1094.7	2400	709.8	82	0	255	338

## 2012 4th Quarter Hourly Flow Data

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)
11/17/2012	23	1094.7	2400	709.5	82	0	254	337
11/17/2012	24	1094.7	2410	709.5	82	0	255	337
11/18/2012	1	1094.7	2390	709.2	82	0	254	336
11/18/2012	2	1094.7	2400	709.0	82	0	254	336
11/18/2012	3	1094.7	2390	709.0	82	0	253	335
11/18/2012	4	1094.7	2410	709.3	82	0	254	336
11/18/2012	5	1094.7	2420	709.6	82	0	256	338
11/18/2012	6	1094.7	2420	709.6	82	0	256	338
11/18/2012	7	1094.7	2370	709.0	82	0	254	336
11/18/2012	8	1094.6	2420	709.3	82	0	255	337
11/18/2012	9	1094.6	2440	709.7	82	0	256	339
11/18/2012	10	1094.7	2430	710.1	82	0	257	339
11/18/2012	11	1094.6	2380	710.0	82	0	257	340
11/18/2012	12	1094.6	2360	709.7	82	0	257	339
11/18/2012	13	1094.6	2370	709.4	82	0	255	337
11/18/2012	14	1094.6	2370	709.4	82	0	255	336
11/18/2012	15	1094.6	2390	709.7	82	0	255	338
11/18/2012	16	1094.6	2390	709.8	82	0	256	338
11/18/2012	17	1094.6	2410	709.7	82	0	256	338
11/18/2012	18	1094.6	2370	709.5	82	0	255	337
11/18/2012	19	1094.6	2390	709.8	82	0	256	338
11/18/2012	20	1094.6	2410	710.2	82	0	257	339
11/18/2012	21	1094.6	2420	710.1	81	0	257	338
11/18/2012	22	1094.6	2390	709.7	82	0	255	337
11/18/2012	23	1094.6	2400	709.1	82	0	253	335
11/18/2012	24	1094.6	2390	709.1	82	0	253	335
11/19/2012	1	1094.6	2400	709.2	82	0	254	336
11/19/2012	2	1094.6	2370	709.0	82	0	253	335
11/19/2012	3	1094.6	2420	709.1	82	0	253	335
11/19/2012	4	1094.6	2400	709.1	82	0	253	335
11/19/2012	5	1094.6	2410	709.0	82	0	254	336
11/19/2012	6	1094.6	2430	709.1	82	0	254	336
11/19/2012	7	1094.6	2390	709.2	82	0	255	337
11/19/2012	8	1094.6	2410	709.9	82	0	257	339
11/19/2012	9	1094.6	2440	710.4	82	0	258	340
11/19/2012	10	1094.6	2440	710.7	82	0	259	341
11/19/2012	11	1094.6	2410	710.3	82	0	259	341
11/19/2012	12	1094.6	2440	709.8	82	0	256	338
11/19/2012	13	1094.6	2420	709.5	82	0	254	337
11/19/2012	14	1094.6	2360	709.7	82	0	255	338
11/19/2012	15	1094.7	2360	709.5	82	0	253	335
11/19/2012	16	1094.7	2400	709.5	82	0	253	335
11/19/2012	17	1094.6	2370	709.4	82	0	255	337
11/19/2012	18	1094.7	2370	709.4	82	0	255	337
11/19/2012	19	1094.7	2360	709.5	82	0	255	337
11/19/2012	20	1094.7	2360	709.4	82	0	255	337

## 2012 4th Quarter Hourly Flow Data

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)
11/19/2012	21	1094.7	2390	709.3	82	0	254	335
11/19/2012	22	1094.7	2400	709.2	82	0	254	336
11/19/2012	23	1094.7	2390	709.1	82	0	252	334
11/19/2012	24	1094.7	2390	709.1	82	0	253	335
11/20/2012	1	1094.7	2400	709.1	82	0	254	336
11/20/2012	2	1094.7	2360	708.9	82	0	254	336
11/20/2012	3	1094.7	2380	708.9	82	0	255	337
11/20/2012	4	1094.6	2390	709.0	82	0	254	336
11/20/2012	5	1094.7	2410	709.0	82	0	254	336
11/20/2012	6	1094.7	2420	709.1	82	0	255	337
11/20/2012	7	1094.7	2400	709.3	82	0	255	337
11/20/2012	8	1094.7	2400	709.5	82	0	255	337
11/20/2012	9	1094.6	2410	709.5	82	0	256	338
11/20/2012	10	1094.7	2400	709.6	82	0	257	339
11/20/2012	11	1094.7	2420	709.8	82	0	257	339
11/20/2012	12	1094.7	2420	709.6	82	0	257	339
11/20/2012	13	1094.6	2410	709.2	82	0	256	338
11/20/2012	14	1094.7	2390	708.9	82	0	256	338
11/20/2012	15	1094.7	2380	708.8	82	0	254	336
11/20/2012	16	1094.7	2400	708.8	82	0	254	336
11/20/2012	17	1094.6	2420	709.0	82	0	254	336
11/20/2012	18	1094.7	2400	709.4	82	0	255	337
11/20/2012	19	1094.7	2380	709.2	82	0	254	336
11/20/2012	20	1094.6	2380	708.9	82	0	254	336
11/20/2012	21	1094.6	2400	708.8	82	0	254	336
11/20/2012	22	1094.6	2400	708.8	82	0	253	335
11/20/2012	23	1094.6	2360	708.7	82	0	254	336
11/20/2012	24	1094.6	2360	708.7	82	0	253	335
11/21/2012	1	1094.6	2400	708.8	82	0	253	335
11/21/2012	2	1094.6	2400	708.8	82	0	254	336
11/21/2012	3	1094.6	2410	708.8	82	0	254	336
11/21/2012	4	1094.6	2410	708.8	82	0	254	336
11/21/2012	5	1094.6	2400	708.8	82	0	254	336
11/21/2012	6	1094.6	2380	708.7	82	0	255	337
11/21/2012	7	1094.6	2370	708.8	82	0	253	335
11/21/2012	8	1094.6	2420	708.9	82	0	253	335
11/21/2012	9	1094.6	2390	708.9	82	0	253	335
11/21/2012	10	1094.6	2370	708.8	82	0	253	335
11/21/2012	11	1094.6	2410	708.8	82	0	253	335
11/21/2012	12	1094.6	2360	708.8	81	0	253	334
11/21/2012	13	1094.6	2360	708.9	82	0	254	335
11/21/2012	14	1094.6	2400	709.0	82	0	254	335
11/21/2012	15	1094.6	2470	708.9	82	0	253	335
11/21/2012	16	1094.6	2450	708.8	82	0	253	335
11/21/2012	17	1094.6	2480	708.9	82	0	253	335
11/21/2012	18	1094.6	2460	709.0	82	0	253	335

## 2012 4th Quarter Hourly Flow Data

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)
11/21/2012	19	1094.6	2450	708.9	81	0	254	335
11/21/2012	20	1094.6	2460	708.9	82	0	253	335
11/21/2012	21	1094.6	2450	708.9	82	0	253	335
11/21/2012	22	1094.6	2460	709.0	82	0	252	334
11/21/2012	23	1094.6	2440	709.0	82	0	253	335
11/21/2012	24	1094.6	2450	708.8	82	0	254	336
11/22/2012	1	1094.6	2460	708.9	82	0	254	336
11/22/2012	2	1094.5	2460	709.0	82	0	254	336
11/22/2012	3	1094.5	2490	709.0	82	0	255	337
11/22/2012	4	1094.6	2480	708.9	82	0	254	336
11/22/2012	5	1094.6	2480	709.0	82	0	255	336
11/22/2012	6	1094.5	2520	709.4	82	0	256	338
11/22/2012	7	1094.5	2510	709.2	81	0	256	338
11/22/2012	8	1094.6	2480	709.3	82	0	255	337
11/22/2012	9	1094.6	2480	709.3	82	0	256	337
11/22/2012	10	1094.5	2500	709.3	82	0	257	338
11/22/2012	11	1094.5	2470	709.1	81	0	255	337
11/22/2012	12	1094.5	2430	709.2	81	0	257	338
11/22/2012	13	1094.5	2420	709.4	81	0	257	339
11/22/2012	14	1094.5	2450	709.4	81	0	257	338
11/22/2012	15	1094.5	2440	709.3	81	0	257	338
11/22/2012	16	1094.5	2480	709.3	82	0	255	337
11/22/2012	17	1094.5	2510	709.3	82	0	256	337
11/22/2012	18	1094.5	2490	709.5	81	0	256	338
11/22/2012	19	1094.5	2470	709.2	82	0	255	337
11/22/2012	20	1094.5	2490	709.1	81	0	254	336
11/22/2012	21	1094.5	2500	709.1	81	0	254	336
11/22/2012	22	1094.5	2470	709.1	81	0	254	336
11/22/2012	23	1094.5	2470	709.0	82	0	255	337
11/22/2012	24	1094.5	2470	708.9	81	0	254	335
11/23/2012	1	1094.5	2460	708.9	81	0	254	335
11/23/2012	2	1094.5	2440	709.0	81	0	255	337
11/23/2012	3	1094.4	2430	709.1	82	0	255	336
11/23/2012	4	1094.5	2440	709.2	81	0	256	337
11/23/2012	5	1094.5	2450	709.2	82	0	255	337
11/23/2012	6	1094.4	2470	709.3	82	0	255	337
11/23/2012	7	1094.4	2460	709.4	82	0	255	337
11/23/2012	8	1094.5	2440	709.7	82	0	257	339
11/23/2012	9	1094.5	2450	709.9	81	0	257	339
11/23/2012	10	1094.4	2470	709.5	81	0	256	338
11/23/2012	11	1094.4	2470	709.3	82	0	256	338
11/23/2012	12	1094.5	2440	709.5	82	0	257	339
11/23/2012	13	1094.5	2470	709.6	81	0	257	338
11/23/2012	14	1094.5	2470	709.4	81	0	256	337
11/23/2012	15	1094.4	2490	709.3	81	0	255	337
11/23/2012	16	1094.5	2490	709.2	82	0	256	337

## 2012 4th Quarter Hourly Flow Data

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)
11/23/2012	17	1094.5	2480	709.3	81	0	255	337
11/23/2012	18	1094.5	2470	709.5	81	0	256	338
11/23/2012	19	1094.5	2450	709.5	81	0	256	337
11/23/2012	20	1094.5	2460	709.5	82	0	256	337
11/23/2012	21	1094.5	2460	709.3	81	0	255	336
11/23/2012	22	1094.5	2450	709.1	81	0	255	337
11/23/2012	23	1094.4	2440	709.1	82	0	255	337
11/23/2012	24	1094.5	2440	709.1	82	0	255	337
11/24/2012	1	1094.4	2470	709.4	82	0	256	337
11/24/2012	2	1094.4	2480	709.2	81	0	256	338
11/24/2012	3	1094.4	2490	709.0	81	0	255	336
11/24/2012	4	1094.4	2480	709.0	81	0	254	335
11/24/2012	5	1094.4	2490	709.1	81	0	255	336
11/24/2012	6	1094.4	2450	709.1	81	0	255	336
11/24/2012	7	1094.4	2450	709.3	81	0	256	337
11/24/2012	8	1094.4	2500	709.8	81	0	257	338
11/24/2012	9	1094.4	2500	710.0	81	0	257	339
11/24/2012	10	1094.4	2480	709.7	81	0	257	338
11/24/2012	11	1094.4	2470	709.6	81	0	256	337
11/24/2012	12	1094.4	2450	709.8	81	0	257	339
11/24/2012	13	1094.4	2440	709.9	81	0	257	338
11/24/2012	14	1094.4	2460	709.6	82	0	258	339
11/24/2012	15	1094.4	2490	709.6	81	0	258	339
11/24/2012	16	1094.4	2500	709.6	81	0	257	338
11/24/2012	17	1094.4	2490	709.4	81	0	256	337
11/24/2012	18	1094.4	2480	709.6	81	0	257	338
11/24/2012	19	1094.4	2440	710.0	81	0	258	339
11/24/2012	20	1094.4	2480	710.3	81	0	258	339
11/24/2012	21	1094.4	2470	709.9	81	0	257	338
11/24/2012	22	1094.4	2470	709.5	81	0	257	338
11/24/2012	23	1094.4	2460	709.2	81	0	255	337
11/24/2012	24	1094.4	2470	709.0	81	0	255	336
11/25/2012	1	1094.4	2450	709.2	81	0	255	337
11/25/2012	2	1094.4	2470	709.8	81	0	257	338
11/25/2012	3	1094.4	2460	709.7	81	0	257	338
11/25/2012	4	1094.3	2470	709.3	81	0	256	337
11/25/2012	5	1094.4	2490	709.0	82	0	255	336
11/25/2012	6	1094.3	2470	709.2	81	0	254	336
11/25/2012	7	1094.3	2470	709.6	81	0	256	338
11/25/2012	8	1094.3	2490	709.7	81	0	256	338
11/25/2012	9	1094.3	2460	709.7	81	0	257	338
11/25/2012	10	1094.3	2470	709.6	81	0	256	338
11/25/2012	11	1094.3	2450	709.6	81	0	256	338
11/25/2012	12	1094.3	2460	709.9	81	0	257	339
11/25/2012	13	1094.3	2430	709.9	81	0	258	339
11/25/2012	14	1094.3	2440	709.7	81	0	256	338

## 2012 4th Quarter Hourly Flow Data

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)
11/25/2012	15	1094.3	2470	709.6	81	0	256	337
11/25/2012	16	1094.3	2490	709.3	81	0	255	336
11/25/2012	17	1094.3	2480	709.3	81	0	255	337
11/25/2012	18	1094.3	2480	709.8	81	0	257	339
11/25/2012	19	1094.3	2470	710.0	81	0	258	339
11/25/2012	20	1094.3	2460	710.1	81	0	257	338
11/25/2012	21	1094.3	2460	709.7	81	0	256	337
11/25/2012	22	1094.3	2450	709.2	81	0	255	336
11/25/2012	23	1094.3	2440	708.9	81	0	255	336
11/25/2012	24	1094.3	2440	708.8	81	0	254	335
11/26/2012	1	1094.3	2470	708.9	81	0	255	336
11/26/2012	2	1094.2	2470	709.1	81	0	255	336
11/26/2012	3	1094.2	2470	709.1	81	0	255	336
11/26/2012	4	1094.2	2480	709.1	81	0	255	336
11/26/2012	5	1094.2	2490	709.0	81	0	254	336
11/26/2012	6	1094.2	2490	709.0	81	0	254	335
11/26/2012	7	1094.2	2480	709.3	81	0	255	336
11/26/2012	8	1094.2	2480	710.2	81	0	258	339
11/26/2012	9	1094.2	2470	710.0	81	0	258	339
11/26/2012	10	1094.2	2440	709.6	81	0	258	339
11/26/2012	11	1094.2	2470	709.2	81	0	256	337
11/26/2012	12	1094.2	2450	709.1	82	0	254	337
11/26/2012	13	1094.2	2460	709.2	84	0	256	340
11/26/2012	14	1094.2	2460	709.3	84	0	256	340
11/26/2012	15	1094.2	2460	709.0	84	0	255	339
11/26/2012	16	1094.2	2480	709.1	84	0	256	340
11/26/2012	17	1094.2	2490	709.1	84	0	255	339
11/26/2012	18	1094.2	2470	709.2	84	0	255	339
11/26/2012	19	1094.2	2440	709.5	84	0	255	340
11/26/2012	20	1094.2	2450	709.0	84	0	255	339
11/26/2012	21	1094.2	2430	708.9	84	0	255	339
11/26/2012	22	1094.2	2420	708.9	84	0	254	338
11/26/2012	23	1094.1	2440	708.8	84	0	254	337
11/26/2012	24	1094.1	2440	708.8	84	0	255	338
11/27/2012	1	1094.1	2460	708.8	84	0	254	338
11/27/2012	2	1094.1	2460	708.8	84	0	255	339
11/27/2012	3	1094.1	2470	708.8	84	0	255	339
11/27/2012	4	1094.1	2490	708.9	84	0	254	338
11/27/2012	5	1094.1	2500	708.9	84	0	255	339
11/27/2012	6	1094.1	2490	709.1	84	0	256	340
11/27/2012	7	1094.1	2490	709.5	84	0	257	341
11/27/2012	8	1094.1	2480	709.8	83	0	258	341
11/27/2012	9	1094.1	2480	709.8	84	0	257	341
11/27/2012	10	1094.1	2470	709.3	84	0	256	340
11/27/2012	11	1094.1	2460	709.1	84	0	255	339
11/27/2012	12	1094.1	2470	708.9	84	0	254	338

## 2012 4th Quarter Hourly Flow Data

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)
11/27/2012	13	1094.1	2490	709.0	84	0	255	339
11/27/2012	14	1094.1	2490	709.2	84	0	256	340
11/27/2012	15	1094.1	2470	709.3	84	0	255	339
11/27/2012	16	1094.1	2460	709.1	84	0	255	338
11/27/2012	17	1094.1	2450	709.0	84	0	254	338
11/27/2012	18	1094.1	2450	708.9	84	0	254	338
11/27/2012	19	1094.1	2420	708.9	84	0	254	338
11/27/2012	20	1094.1	2420	708.9	84	0	254	338
11/27/2012	21	1094.1	2420	709.0	84	0	254	338
11/27/2012	22	1094.1	2430	709.0	84	0	255	339
11/27/2012	23	1094.0	2430	708.9	84	0	254	338
11/27/2012	24	1094.0	2430	708.9	83	0	255	338
11/28/2012	1	1094.0	2270	709.0	84	0	255	338
11/28/2012	2	1094.0	2400	709.1	84	0	255	338
11/28/2012	3	1094.0	2420	709.1	84	0	254	338
11/28/2012	4	1094.0	2420	709.0	83	0	253	337
11/28/2012	5	1094.0	2410	709.1	84	0	255	338
11/28/2012	6	1094.0	2430	709.4	84	0	255	339
11/28/2012	7	1094.0	2430	709.9	84	0	257	341
11/28/2012	8	1094.0	2450	710.7	84	0	259	343
11/28/2012	9	1094.0	2420	710.2	84	0	258	342
11/28/2012	10	1094.0	2400	709.4	84	0	256	340
11/28/2012	11	1094.0	2410	709.3	84	0	256	340
11/28/2012	12	1094.0	2410	709.5	84	0	257	341
11/28/2012	13	1094.0	2420	709.5	84	0	256	340
11/28/2012	14	1094.0	2410	709.6	84	0	256	339
11/28/2012	15	1094.0	2420	709.6	84	0	256	340
11/28/2012	16	1093.9	2430	709.7	84	0	256	340
11/28/2012	17	1094.0	2460	709.5	84	0	255	339
11/28/2012	18	1094.0	2450	709.5	84	0	255	339
11/28/2012	19	1094.0	2440	709.5	83	0	255	338
11/28/2012	20	1094.0	2430	709.3	84	0	255	339
11/28/2012	21	1094.0	2410	709.4	83	0	255	339
11/28/2012	22	1094.0	2420	709.4	84	0	255	339
11/28/2012	23	1094.0	2420	709.2	84	0	254	338
11/28/2012	24	1093.9	2420	709.1	83	0	254	337
11/29/2012	1	1093.9	2440	709.4	83	0	255	339
11/29/2012	2	1094.0	2450	709.8	84	0	256	340
11/29/2012	3	1094.0	2460	709.6	83	0	256	340
11/29/2012	4	1093.9	2450	709.5	83	0	256	339
11/29/2012	5	1093.9	2460	709.7	83	0	256	339
11/29/2012	6	1093.9	2470	710.0	84	0	257	340
11/29/2012	7	1093.9	2500	710.1	83	0	257	340
11/29/2012	8	1093.9	2470	710.6	83	0	259	343
11/29/2012	9	1093.9	2480	709.8	83	0	257	340
11/29/2012	10	1093.9	2450	709.4	83	0	256	339

## 2012 4th Quarter Hourly Flow Data

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)
11/29/2012	11	1093.9	2420	710.1	83	0	257	340
11/29/2012	12	1093.9	2400	710.4	83	0	258	342
11/29/2012	13	1093.9	2400	709.6	83	0	256	340
11/29/2012	14	1093.9	2410	709.5	83	0	256	339
11/29/2012	15	1093.9	2450	709.5	84	0	257	340
11/29/2012	16	1093.9	2520	710.2	84	0	258	341
11/29/2012	17	1093.9	2530	709.6	83	0	256	340
11/29/2012	18	1093.9	2470	709.1	84	0	254	338
11/29/2012	19	1093.9	2450	709.2	83	0	255	338
11/29/2012	20	1093.9	2470	709.7	83	0	256	339
11/29/2012	21	1093.9	2470	710.1	83	0	257	340
11/29/2012	22	1093.9	2420	709.6	83	0	256	339
11/29/2012	23	1093.9	2420	709.2	83	0	254	338
11/29/2012	24	1093.9	2450	709.2	83	0	254	338
11/30/2012	1	1093.9	2450	709.1	83	0	254	338
11/30/2012	2	1093.9	2470	709.1	84	0	254	338
11/30/2012	3	1093.9	2480	709.4	83	0	256	339
11/30/2012	4	1093.9	2450	709.5	83	0	255	338
11/30/2012	5	1093.9	2460	709.3	83	0	255	338
11/30/2012	6	1093.9	2480	709.3	83	0	255	338
11/30/2012	7	1093.9	2480	709.5	83	0	255	338
11/30/2012	8	1093.9	2480	709.6	83	0	256	339
11/30/2012	9	1093.8	2470	709.8	83	0	257	340
11/30/2012	10	1093.9	2470	709.8	84	0	256	340
11/30/2012	11	1093.9	2450	709.7	83	0	256	339
11/30/2012	12	1093.8	2460	709.6	83	0	255	339
11/30/2012	13	1093.8	2440	709.5	83	0	256	339
11/30/2012	14	1093.8	2450	709.7	83	0	256	340
11/30/2012	15	1093.8	2450	709.7	83	0	256	340
11/30/2012	16	1093.8	2470	709.6	83	0	256	339
11/30/2012	17	1093.8	2490	709.6	83	0	255	338
11/30/2012	18	1093.8	2440	709.5	83	0	255	339
11/30/2012	19	1093.8	2450	709.4	83	0	255	338
11/30/2012	20	1093.8	2460	709.3	83	0	255	338
11/30/2012	21	1093.8	2460	709.7	83	0	256	340
11/30/2012	22	1093.8	2480	710.1	83	0	257	341
11/30/2012	23	1093.8	2430	709.6	83	0	255	338
11/30/2012	24	1093.8	2430	709.4	83	0	256	339
12/1/2012	1	1093.8	2450	709.3	83	0	255	338
12/1/2012	2	1093.8	2460	709.5	83	0	255	338
12/1/2012	3	1093.8	2440	709.1	83	0	254	337
12/1/2012	4	1093.7	2460	708.9	83	0	253	336
12/1/2012	5	1093.7	2430	709.2	83	0	255	338
12/1/2012	6	1093.8	2460	709.2	83	0	255	338
12/1/2012	7	1093.8	2450	709.3	83	0	254	337
12/1/2012	8	1093.8	2480	709.6	83	0	206	289



## 2012 4th Quarter Hourly Flow Data

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)
12/1/2012	9	1093.8	2510	709.7	83	0	154	237
12/1/2012	10	1093.8	2440	709.8	83	0	104	187
12/1/2012	11	1093.8	2450	710.2	83	0	53	136
12/1/2012	12	1093.8	2490	709.9	83	0	1	85
12/1/2012	13	1093.7	2440	709.6	83	0	0	83
12/1/2012	14	1093.8	2470	709.8	83	0	0	83
12/1/2012	15	1093.8	2450	710.0	83	0	0	83
12/1/2012	16	1093.7	2480	710.2	83	0	0	83
12/1/2012	17	1093.7	2490	710.2	83	0	0	83
12/1/2012	18	1093.8	2440	710.1	83	0	0	83
12/1/2012	19	1093.7	2430	709.7	83	0	0	83
12/1/2012	20	1093.7	2450	709.5	83	0	0	83
12/1/2012	21	1093.7	2450	709.5	83	0	0	83
12/1/2012	22	1093.7	2440	709.4	83	0	0	83
12/1/2012	23	1093.7	2440	709.7	83	0	0	83
12/1/2012	24	1093.7	2450	709.7	83	0	0	83
12/2/2012	1	1093.7	2480	709.6	83	0	0	83
12/2/2012	2	1093.7	2480	709.7	83	0	0	83
12/2/2012	3	1093.7	2470	710.3	83	0	0	83
12/2/2012	4	1093.7	2470	710.4	83	0	0	83
12/2/2012	5	1093.7	2450	710.3	83	0	0	83
12/2/2012	6	1093.7	2470	710.0	83	0	0	83
12/2/2012	7	1093.7	2470	709.7	83	0	0	83
12/2/2012	8	1093.7	2460	710.0	83	0	0	83
12/2/2012	9	1093.7	2480	709.8	83	0	0	83
12/2/2012	10	1093.7	2440	709.3	83	0	0	83
12/2/2012	11	1093.7	2440	709.1	83	0	0	83
12/2/2012	12	1093.7	2470	709.1	83	0	0	83
12/2/2012	13	1093.7	2430	709.3	83	0	0	83
12/2/2012	14	1093.7	2440	709.3	83	0	0	83
12/2/2012	15	1093.7	2460	709.4	83	0	0	83
12/2/2012	16	1093.7	2460	709.4	83	0	0	83
12/2/2012	17	1093.7	2490	709.3	83	0	0	83
12/2/2012	18	1093.7	2470	709.3	83	0	0	83
12/2/2012	19	1093.7	2460	709.4	83	0	0	83
12/2/2012	20	1093.7	2440	709.6	83	0	0	83
12/2/2012	21	1093.7	2470	709.8	83	0	0	83
12/2/2012	22	1093.7	2440	709.7	83	0	0	83
12/2/2012	23	1093.7	2460	709.2	83	0	0	83
12/2/2012	24	1093.7	2430	708.9	83	0	0	83
12/3/2012	1	1093.7	2440	709.0	83	0	0	83
12/3/2012	2	1093.7	2450	709.0	83	0	0	83
12/3/2012	3	1093.6	2470	708.9	83	0	0	83
12/3/2012	4	1093.7	2480	709.1	83	0	0	83
12/3/2012	5	1093.7	2460	709.5	83	0	0	83
12/3/2012	6	1093.7	2490	709.9	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
12/3/2012	7	1093.6	2480	710.5	83	0	0	83
12/3/2012	8	1093.6	2440	710.6	83	0	0	83
12/3/2012	9	1093.7	2440	710.2	83	0	0	83
12/3/2012	10	1093.7	2430	709.5	83	0	0	83
12/3/2012	11	1093.7	1530	708.8	83	0	0	83
12/3/2012	12	1093.7	1150	708.6	83	0	0	83
12/3/2012	13	1093.7	2270	709.2	83	0	0	83
12/3/2012	14	1093.7	2290	709.3	83	0	0	83
12/3/2012	15	1093.6	2340	709.7	83	0	0	83
12/3/2012	16	1093.6	2450	709.9	83	0	0	83
12/3/2012	17	1093.6	2440	709.8	83	0	0	83
12/3/2012	18	1093.6	2300	709.8	83	0	0	83
12/3/2012	19	1093.6	2280	709.5	83	0	0	83
12/3/2012	20	1093.6	2290	709.4	83	0	0	83
12/3/2012	21	1093.6	2290	709.3	83	0	0	83
12/3/2012	22	1093.6	2300	709.4	83	0	0	83
12/3/2012	23	1093.6	2320	709.4	83	0	0	83
12/3/2012	24	1093.6	2320	709.3	83	0	0	83
12/4/2012	1	1093.6	2330	709.1	83	0	0	83
12/4/2012	2	1093.6	2380	709.0	83	0	0	83
12/4/2012	3	1093.6	2390	709.0	83	0	0	83
12/4/2012	4	1093.6	2340	709.0	83	0	0	83
12/4/2012	5	1093.6	2400	709.2	82	0	0	82
12/4/2012	6	1093.6	2410	709.3	83	0	0	83
12/4/2012	7	1093.6	2440	709.5	83	0	0	83
12/4/2012	8	1093.6	2440	709.8	83	0	0	83
12/4/2012	9	1093.6	2420	710.0	83	0	0	83
12/4/2012	10	1093.6	2390	709.6	83	0	0	83
12/4/2012	11	1093.6	2410	709.1	83	0	0	83
12/4/2012	12	1093.6	2410	709.2	83	0	0	83
12/4/2012	13	1093.6	2400	709.5	83	0	0	83
12/4/2012	14	1093.6	2430	709.7	83	0	0	83
12/4/2012	15	1093.6	2410	709.7	83	0	0	83
12/4/2012	16	1093.6	2440	709.4	82	0	0	82
12/4/2012	17	1093.6	2430	709.3	82	0	0	82
12/4/2012	18	1093.6	2380	709.2	82	0	0	82
12/4/2012	19	1093.6	2360	709.5	83	0	0	83
12/4/2012	20	1093.6	2380	709.7	83	0	0	83
12/4/2012	21	1093.6	2370	709.7	83	0	0	83
12/4/2012	22	1093.6	2360	709.4	83	0	0	83
12/4/2012	23	1093.6	2390	709.1	83	0	0	83
12/4/2012	24	1093.6	2370	708.9	83	0	0	83
12/5/2012	1	1093.6	2370	708.9	83	0	0	83
12/5/2012	2	1093.6	2400	709.2	83	0	0	83
12/5/2012	3	1093.5	2400	709.4	82	0	0	82
12/5/2012	4	1093.6	2380	709.2	82	0	0	82

## 2012 4th Quarter Hourly Flow Data

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)
12/5/2012	5	1093.5	2400	709.1	82	0	0	82
12/5/2012	6	1093.5	2440	709.3	82	0	0	82
12/5/2012	7	1093.6	2430	709.5	82	0	0	82
12/5/2012	8	1093.6	2450	709.9	82	0	0	82
12/5/2012	9	1093.5	2440	709.9	83	0	0	83
12/5/2012	10	1093.5	2470	709.6	82	0	0	82
12/5/2012	11	1093.5	2470	709.8	83	0	0	83
12/5/2012	12	1093.5	2470	709.8	83	0	0	83
12/5/2012	13	1093.5	2460	709.8	83	0	0	83
12/5/2012	14	1093.5	2460	709.9	83	0	0	83
12/5/2012	15	1093.5	2460	710.3	83	0	0	83
12/5/2012	16	1093.5	2430	710.3	83	0	0	83
12/5/2012	17	1093.5	2430	710.6	83	0	0	83
12/5/2012	18	1093.5	2440	710.8	83	0	0	83
12/5/2012	19	1093.5	2400	710.9	83	0	0	83
12/5/2012	20	1093.5	2420	711.0	83	0	0	83
12/5/2012	21	1093.5	2420	711.0	83	0	0	83
12/5/2012	22	1093.5	2420	710.9	82	0	0	82
12/5/2012	23	1093.5	2400	710.2	82	0	0	82
12/5/2012	24	1093.5	2380	709.4	82	0	0	82
12/6/2012	1	1093.5	2370	709.1	82	0	0	82
12/6/2012	2	1093.5	2410	709.3	82	0	0	82
12/6/2012	3	1093.5	2380	709.3	82	0	0	82
12/6/2012	4	1093.5	2420	709.3	82	0	0	82
12/6/2012	5	1093.5	2430	709.2	82	0	0	82
12/6/2012	6	1093.5	2430	709.1	82	0	0	82
12/6/2012	7	1093.5	2430	709.2	82	0	0	82
12/6/2012	8	1093.5	2420	709.8	82	0	0	82
12/6/2012	9	1093.5	2430	710.3	82	0	0	82
12/6/2012	10	1093.5	2440	710.0	82	0	0	82
12/6/2012	11	1093.5	2430	709.6	82	0	0	82
12/6/2012	12	1093.5	2430	709.4	82	0	0	82
12/6/2012	13	1093.5	2440	709.5	82	0	0	82
12/6/2012	14	1093.5	2430	709.6	82	0	0	82
12/6/2012	15	1093.5	2430	709.5	82	0	0	82
12/6/2012	16	1093.5	2410	709.4	82	0	0	82
12/6/2012	17	1093.5	2470	709.3	82	0	0	82
12/6/2012	18	1093.4	2410	709.2	82	0	0	82
12/6/2012	19	1093.5	2360	709.0	82	0	0	82
12/6/2012	20	1093.5	2390	709.0	82	0	0	82
12/6/2012	21	1093.4	2410	709.4	82	0	0	82
12/6/2012	22	1093.4	2380	709.8	82	0	0	82
12/6/2012	23	1093.5	2400	709.8	82	0	0	82
12/6/2012	24	1093.4	2360	709.8	82	0	0	82
12/7/2012	1	1093.4	2400	709.7	82	0	0	82
12/7/2012	2	1093.4	2400	709.8	82	0	0	82

## 2012 4th Quarter Hourly Flow Data

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)
12/7/2012	3	1093.4	2410	709.8	82	0	0	82
12/7/2012	4	1093.4	2470	709.6	82	0	0	82
12/7/2012	5	1093.4	2470	709.6	82	0	0	82
12/7/2012	6	1093.4	2480	709.5	82	0	0	82
12/7/2012	7	1093.4	2480	709.8	82	0	0	82
12/7/2012	8	1093.4	2420	710.2	82	0	0	82
12/7/2012	9	1093.4	2410	710.2	82	0	0	82
12/7/2012	10	1093.4	2390	709.9	82	0	0	82
12/7/2012	11	1093.4	2380	709.7	82	0	0	82
12/7/2012	12	1093.4	2360	709.7	82	0	0	82
12/7/2012	13	1093.4	2370	709.7	82	0	0	82
12/7/2012	14	1093.4	2350	710.0	82	0	0	82
12/7/2012	15	1093.4	2380	710.0	82	0	0	82
12/7/2012	16	1093.4	2440	709.9	82	0	0	82
12/7/2012	17	1093.4	2440	709.8	82	0	0	82
12/7/2012	18	1093.4	2400	709.7	82	0	0	82
12/7/2012	19	1093.4	2400	710.0	82	0	0	82
12/7/2012	20	1093.4	2420	710.6	82	0	0	82
12/7/2012	21	1093.4	2420	710.7	82	0	0	82
12/7/2012	22	1093.4	2390	710.2	82	0	0	82
12/7/2012	23	1093.4	1070	709.7	82	0	0	82
12/7/2012	24	1093.4	1090	710.0	82	0	0	82
12/8/2012	1	1093.3	1090	710.2	82	0	0	82
12/8/2012	2	1093.4	1080	709.9	82	0	0	82
12/8/2012	3	1093.4	1060	709.4	82	0	0	82
12/8/2012	4	1093.4	1150	709.5	82	0	0	82
12/8/2012	5	1093.4	2360	709.7	82	0	0	82
12/8/2012	6	1093.3	2370	709.9	82	0	0	82
12/8/2012	7	1093.3	2490	709.9	82	0	0	82
12/8/2012	8	1093.4	2490	709.9	82	0	0	82
12/8/2012	9	1093.3	2430	709.7	82	0	0	82
12/8/2012	10	1093.3	2380	709.6	82	0	0	82
12/8/2012	11	1093.3	2360	709.9	82	0	0	82
12/8/2012	12	1093.3	2360	710.4	82	0	0	82
12/8/2012	13	1093.3	2360	710.1	82	0	0	82
12/8/2012	14	1093.3	2340	709.9	82	0	0	82
12/8/2012	15	1093.3	2390	709.8	81	0	0	81
12/8/2012	16	1093.3	2400	709.8	82	0	0	82
12/8/2012	17	1093.3	2400	709.8	82	0	0	82
12/8/2012	18	1093.3	2380	709.9	82	0	0	82
12/8/2012	19	1093.3	2360	710.1	82	0	0	82
12/8/2012	20	1093.3	2370	710.1	82	0	0	82
12/8/2012	21	1093.3	2360	710.2	81	0	0	81
12/8/2012	22	1093.3	2370	710.3	81	0	0	81
12/8/2012	23	1093.3	2380	710.4	82	0	0	82
12/8/2012	24	1093.3	2350	710.2	82	0	0	82

## 2012 4th Quarter Hourly Flow Data

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)
12/9/2012	1	1093.3	2380	710.0	81	0	0	81
12/9/2012	2	1093.2	2380	709.8	81	0	0	81
12/9/2012	3	1093.3	2350	709.5	82	0	0	82
12/9/2012	4	1093.3	2360	709.4	82	0	0	82
12/9/2012	5	1093.2	2380	709.4	82	0	0	82
12/9/2012	6	1093.2	2380	709.5	82	0	0	82
12/9/2012	7	1093.2	2430	709.7	82	0	0	82
12/9/2012	8	1093.2	2450	709.7	82	0	0	82
12/9/2012	9	1093.2	2420	709.7	82	0	0	82
12/9/2012	10	1093.2	2390	709.8	81	0	0	81
12/9/2012	11	1093.2	2430	709.9	82	0	0	82
12/9/2012	12	1093.2	2400	710.1	82	0	0	82
12/9/2012	13	1093.2	2390	710.0	82	0	0	82
12/9/2012	14	1093.2	2410	709.9	82	0	0	82
12/9/2012	15	1093.2	2420	709.9	82	0	0	82
12/9/2012	16	1093.2	2420	709.8	82	0	0	82
12/9/2012	17	1093.2	2450	709.9	81	0	0	81
12/9/2012	18	1093.2	2420	710.2	81	0	0	81
12/9/2012	19	1093.2	2400	710.5	81	0	0	81
12/9/2012	20	1093.2	2430	710.6	81	0	0	81
12/9/2012	21	1093.2	2400	710.7	82	0	0	82
12/9/2012	22	1093.2	2410	710.6	82	0	0	82
12/9/2012	23	1093.2	2390	709.8	82	0	0	82
12/9/2012	24	1093.2	2410	709.3	81	0	0	81
12/10/2012	1	1093.2	2480	709.5	81	0	0	81
12/10/2012	2	1093.1	2490	709.8	81	0	0	81
12/10/2012	3	1093.2	2490	709.9	81	0	0	81
12/10/2012	4	1093.2	2420	709.7	81	0	0	81
12/10/2012	5	1093.2	2430	709.4	82	0	0	82
12/10/2012	6	1093.1	2430	709.4	81	0	0	81
12/10/2012	7	1093.1	2430	709.7	81	0	0	81
12/10/2012	8	1093.2	2420	710.0	81	0	0	81
12/10/2012	9	1093.1	2440	710.7	81	0	0	81
12/10/2012	10	1093.1	2410	710.5	81	0	0	81
12/10/2012	11	1093.1	2440	710.3	81	0	0	81
12/10/2012	12	1093.1	2430	710.3	81	0	0	81
12/10/2012	13	1093.1	2410	710.5	81	0	0	81
12/10/2012	14	1093.1	2390	710.4	84	0	0	84
12/10/2012	15	1093.1	2420	710.4	85	0	0	85
12/10/2012	16	1093.1	2440	710.4	85	0	0	85
12/10/2012	17	1093.1	2440	710.5	85	0	0	85
12/10/2012	18	1093.1	2440	710.6	85	0	0	85
12/10/2012	19	1093.1	2420	710.5	85	0	0	85
12/10/2012	20	1093.1	2410	710.6	86	0	0	86
12/10/2012	21	1093.1	2390	710.7	86	0	0	86
12/10/2012	22	1093.0	2390	710.5	85	0	0	85

## 2012 4th Quarter Hourly Flow Data

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)
12/10/2012	23	1093.1	2400	710.5	85	0	0	85
12/10/2012	24	1093.1	2390	710.3	85	0	0	85
12/11/2012	1	1093.1	2420	709.9	85	0	0	85
12/11/2012	2	1093.0	2430	709.8	86	0	0	86
12/11/2012	3	1093.0	2440	709.7	85	0	0	85
12/11/2012	4	1093.1	2430	709.7	86	0	0	86
12/11/2012	5	1093.1	2440	709.8	85	0	0	85
12/11/2012	6	1093.0	2430	710.0	86	0	0	86
12/11/2012	7	1093.0	2420	710.2	85	0	0	85
12/11/2012	8	1093.1	2420	710.3	85	0	0	85
12/11/2012	9	1093.0	2410	710.1	85	0	0	85
12/11/2012	10	1093.0	2410	710.1	85	0	0	85
12/11/2012	11	1093.0	2420	710.3	85	0	0	85
12/11/2012	12	1093.0	2410	710.5	85	0	0	85
12/11/2012	13	1093.0	2410	710.4	85	0	0	85
12/11/2012	14	1093.0	2430	710.4	85	0	0	85
12/11/2012	15	1093.0	2410	710.3	85	0	0	85
12/11/2012	16	1093.0	2410	710.3	85	0	0	85
12/11/2012	17	1093.0	2420	710.4	85	0	0	85
12/11/2012	18	1093.0	2420	710.5	85	0	0	85
12/11/2012	19	1093.0	2410	710.4	85	0	0	85
12/11/2012	20	1093.0	2420	710.7	85	0	0	85
12/11/2012	21	1093.0	2420	710.7	85	0	0	85
12/11/2012	22	1093.0	2400	710.8	85	0	0	85
12/11/2012	23	1093.0	2420	710.9	85	0	0	85
12/11/2012	24	1093.0	2450	710.8	85	0	0	85
12/12/2012	1	1093.0	2450	710.2	85	0	0	85
12/12/2012	2	1092.9	2430	709.4	85	0	0	85
12/12/2012	3	1092.9	2430	709.5	85	0	0	85
12/12/2012	4	1093.0	2470	709.6	85	0	0	85
12/12/2012	5	1093.0	2450	709.5	85	0	0	85
12/12/2012	6	1092.9	2470	709.7	85	0	0	85
12/12/2012	7	1092.9	2430	709.6	85	0	0	85
12/12/2012	8	1093.0	2410	709.5	85	0	0	85
12/12/2012	9	1093.0	2390	710.2	85	0	0	85
12/12/2012	10	1092.9	2410	710.3	85	0	0	85
12/12/2012	11	1092.9	2420	710.3	85	0	0	85
12/12/2012	12	1092.9	2400	710.2	85	0	0	85
12/12/2012	13	1092.9	2420	710.4	85	0	0	85
12/12/2012	14	1092.9	2460	710.4	85	0	0	85
12/12/2012	15	1092.9	2460	710.7	85	0	0	85
12/12/2012	16	1092.9	2400	710.8	85	0	0	85
12/12/2012	17	1092.9	2370	710.6	85	0	0	85
12/12/2012	18	1092.9	2350	710.4	85	0	0	85
12/12/2012	19	1092.9	2350	710.5	85	0	0	85
12/12/2012	20	1092.9	2380	710.8	85	0	0	85

## 2012 4th Quarter Hourly Flow Data

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)
12/12/2012	21	1092.9	2350	710.9	85	0	0	85
12/12/2012	22	1092.9	2350	710.9	85	0	0	85
12/12/2012	23	1092.9	2360	710.9	85	0	0	85
12/12/2012	24	1092.9	2340	710.8	85	0	0	85
12/13/2012	1	1092.9	2340	710.4	85	0	0	85
12/13/2012	2	1092.9	2340	710.0	85	0	0	85
12/13/2012	3	1092.9	2390	709.8	85	0	0	85
12/13/2012	4	1092.9	2410	709.8	85	0	0	85
12/13/2012	5	1092.9	2410	709.9	85	0	0	85
12/13/2012	6	1092.9	2410	709.9	85	0	0	85
12/13/2012	7	1092.9	2400	710.0	85	0	0	85
12/13/2012	8	1092.9	2360	709.9	85	0	0	85
12/13/2012	9	1092.9	2360	709.9	85	0	0	85
12/13/2012	10	1092.8	2360	710.1	85	0	0	85
12/13/2012	11	1092.8	2360	710.5	85	0	0	85
12/13/2012	12	1092.8	2350	710.3	85	0	0	85
12/13/2012	13	1092.8	2350	710.1	85	0	0	85
12/13/2012	14	1092.8	2360	710.1	85	0	0	85
12/13/2012	15	1092.8	2380	710.3	85	0	0	85
12/13/2012	16	1092.8	2390	710.4	85	0	0	85
12/13/2012	17	1092.8	2400	710.3	85	0	0	85
12/13/2012	18	1092.8	2380	710.2	85	0	0	85
12/13/2012	19	1092.8	2380	710.1	85	0	0	85
12/13/2012	20	1092.8	2370	710.4	85	0	0	85
12/13/2012	21	1092.8	2410	710.6	85	0	0	85
12/13/2012	22	1092.8	2390	710.6	85	0	0	85
12/13/2012	23	1092.8	2420	710.6	85	0	0	85
12/13/2012	24	1092.8	2400	710.5	85	0	0	85
12/14/2012	1	1092.8	2420	710.3	85	0	0	85
12/14/2012	2	1092.8	2400	709.9	85	0	0	85
12/14/2012	3	1092.8	2410	709.7	85	0	0	85
12/14/2012	4	1092.8	2420	709.6	85	0	0	85
12/14/2012	5	1092.8	2420	709.4	85	0	0	85
12/14/2012	6	1092.7	2380	709.2	85	0	0	85
12/14/2012	7	1092.7	2380	709.1	85	0	0	85
12/14/2012	8	1092.7	2350	709.1	85	0	0	85
12/14/2012	9	1092.8	2360	709.3	85	0	0	85
12/14/2012	10	1092.7	2330	709.3	85	0	0	85
12/14/2012	11	1092.7	2330	709.5	85	0	0	85
12/14/2012	12	1092.7	2320	709.6	85	0	0	85
12/14/2012	13	1092.7	2310	709.7	85	0	0	85
12/14/2012	14	1092.7	2330	709.4	85	0	0	85
12/14/2012	15	1092.7	2330	709.3	85	0	0	85
12/14/2012	16	1092.7	2370	709.4	85	0	0	85
12/14/2012	17	1092.7	2380	709.7	84	0	0	84
12/14/2012	18	1092.7	2340	710.1	85	0	0	85

## 2012 4th Quarter Hourly Flow Data

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)
12/14/2012	19	1092.7	2360	710.3	85	0	0	85
12/14/2012	20	1092.7	2350	710.2	85	0	0	85
12/14/2012	21	1092.7	2350	710.0	85	0	0	85
12/14/2012	22	1092.7	2360	710.0	85	0	0	85
12/14/2012	23	1092.7	2350	710.0	85	0	0	85
12/14/2012	24	1092.6	2350	710.0	85	0	0	85
12/15/2012	1	1092.7	2340	709.8	84	0	0	84
12/15/2012	2	1092.6	2330	709.7	84	0	0	84
12/15/2012	3	1092.6	2370	709.6	84	0	0	84
12/15/2012	4	1092.6	2360	709.6	84	0	0	84
12/15/2012	5	1092.6	2350	709.6	84	0	0	84
12/15/2012	6	1092.6	2380	709.5	84	0	0	84
12/15/2012	7	1092.6	2380	709.6	84	0	0	84
12/15/2012	8	1092.6	2400	710.2	84	0	0	84
12/15/2012	9	1092.6	2400	710.7	84	0	0	84
12/15/2012	10	1092.6	2400	710.8	84	0	0	84
12/15/2012	11	1092.6	2370	711.0	85	0	0	85
12/15/2012	12	1092.6	2360	710.9	84	0	0	84
12/15/2012	13	1092.6	2350	710.8	84	0	0	84
12/15/2012	14	1092.6	2360	710.8	84	0	0	84
12/15/2012	15	1092.6	2380	710.7	84	0	0	84
12/15/2012	16	1092.6	2370	710.4	84	0	0	84
12/15/2012	17	1092.6	2400	710.3	84	0	0	84
12/15/2012	18	1092.6	2340	710.8	84	0	0	84
12/15/2012	19	1092.6	2340	711.0	84	0	0	84
12/15/2012	20	1092.6	2350	711.0	84	0	0	84
12/15/2012	21	1092.6	2380	711.3	84	0	0	84
12/15/2012	22	1092.6	2360	711.2	84	0	0	84
12/15/2012	23	1092.6	2340	710.5	84	0	0	84
12/15/2012	24	1092.6	2340	709.9	84	0	0	84
12/16/2012	1	1092.6	2340	709.7	84	0	0	84
12/16/2012	2	1092.6	2330	709.6	84	0	0	84
12/16/2012	3	1092.6	2350	709.7	84	0	0	84
12/16/2012	4	1092.5	2370	709.6	84	0	0	84
12/16/2012	5	1092.5	2350	709.7	84	0	0	84
12/16/2012	6	1092.5	2390	709.7	84	0	0	84
12/16/2012	7	1092.5	2370	709.6	84	0	0	84
12/16/2012	8	1092.5	2370	709.5	84	0	0	84
12/16/2012	9	1092.5	970	709.3	84	0	0	84
12/16/2012	10	1092.5	800	709.4	84	0	0	84
12/16/2012	11	1092.5	800	709.9	84	0	0	84
12/16/2012	12	1092.5	790	709.6	83	0	0	83
12/16/2012	13	1092.5	790	709.7	84	0	0	84
12/16/2012	14	1092.5	790	709.6	84	0	0	84
12/16/2012	15	1092.5	790	709.8	84	0	0	84
12/16/2012	16	1092.5	960	710.1	84	0	0	84



## 2012 4th Quarter Hourly Flow Data

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)
12/16/2012	17	1092.5	2420	710.3	84	0	0	84
12/16/2012	18	1092.5	2410	710.1	84	0	0	84
12/16/2012	19	1092.5	2430	710.2	84	0	0	84
12/16/2012	20	1092.5	2430	710.4	84	0	0	84
12/16/2012	21	1092.5	2420	710.5	84	0	0	84
12/16/2012	22	1092.6	2400	710.3	84	0	0	84
12/16/2012	23	1092.6	2420	710.2	84	0	0	84
12/16/2012	24	1092.5	2390	709.9	84	0	0	84
12/17/2012	1	1092.5	2430	709.8	84	0	0	84
12/17/2012	2	1092.6	2430	709.7	84	0	0	84
12/17/2012	3	1092.6	2430	709.6	84	0	0	84
12/17/2012	4	1092.5	2450	709.5	84	0	0	84
12/17/2012	5	1092.5	2470	709.6	84	0	0	84
12/17/2012	6	1092.5	2450	709.8	84	0	0	84
12/17/2012	7	1092.6	2420	709.8	84	0	0	84
12/17/2012	8	1092.5	2420	709.9	84	0	0	84
12/17/2012	9	1092.5	1120	709.7	84	0	0	84
12/17/2012	10	1092.5	870	709.7	84	0	0	84
12/17/2012	11	1092.5	850	709.5	84	0	0	84
12/17/2012	12	1092.5	790	709.6	84	0	0	84
12/17/2012	13	1092.5	790	710.2	84	0	0	84
12/17/2012	14	1092.5	790	710.7	84	0	0	84
12/17/2012	15	1092.5	800	710.8	84	0	0	84
12/17/2012	16	1092.5	800	710.8	84	0	0	84
12/17/2012	17	1092.5	1980	711.1	84	0	0	84
12/17/2012	18	1092.6	2380	711.2	84	0	0	84
12/17/2012	19	1092.5	2320	711.0	84	0	0	84
12/17/2012	20	1092.5	2340	710.9	84	0	0	84
12/17/2012	21	1092.5	2300	711.0	84	0	0	84
12/17/2012	22	1092.6	2310	710.8	84	0	0	84
12/17/2012	23	1092.5	2300	710.5	84	0	0	84
12/17/2012	24	1092.5	2320	710.2	84	0	0	84
12/18/2012	1	1092.5	2330	709.8	84	0	0	84
12/18/2012	2	1092.5	2350	709.6	84	0	0	84
12/18/2012	3	1092.5	2310	709.6	84	0	0	84
12/18/2012	4	1092.5	2320	709.7	84	0	0	84
12/18/2012	5	1092.5	2320	709.7	84	0	0	84
12/18/2012	6	1092.5	2290	709.5	84	0	0	84
12/18/2012	7	1092.5	2320	709.6	84	0	0	84
12/18/2012	8	1092.4	2300	709.4	83	0	0	83
12/18/2012	9	1092.4	1080	709.7	83	0	0	83
12/18/2012	10	1092.5	790	710.0	84	0	0	84
12/18/2012	11	1092.5	790	710.0	84	0	0	84
12/18/2012	12	1092.4	790	709.3	83	0	0	83
12/18/2012	13	1092.4	790	709.2	84	0	0	84
12/18/2012	14	1092.5	790	709.2	84	0	0	84

## 2012 4th Quarter Hourly Flow Data

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)
12/18/2012	15	1092.5	800	709.8	84	0	0	84
12/18/2012	16	1092.4	800	710.0	83	0	0	83
12/18/2012	17	1092.4	1880	709.8	83	0	0	83
12/18/2012	18	1092.5	2410	709.9	84	0	0	84
12/18/2012	19	1092.5	2370	709.9	84	0	0	84
12/18/2012	20	1092.4	2350	710.0	84	0	0	84
12/18/2012	21	1092.4	2350	710.1	84	0	0	84
12/18/2012	22	1092.4	2350	710.1	84	0	0	84
12/18/2012	23	1092.4	2360	709.9	84	0	0	84
12/18/2012	24	1092.4	2330	709.3	84	0	0	84
12/19/2012	1	1092.4	2320	709.2	84	0	0	84
12/19/2012	2	1092.4	2390	709.6	84	0	0	84
12/19/2012	3	1092.4	2390	709.9	84	0	0	84
12/19/2012	4	1092.4	2380	709.6	84	0	0	84
12/19/2012	5	1092.4	2380	708.9	82	0	0	82
12/19/2012	6	1092.4	2380	708.9	81	0	0	81
12/19/2012	7	1092.4	2380	709.4	81	0	0	81
12/19/2012	8	1092.3	2370	709.8	81	0	0	81
12/19/2012	9	1092.3	1050	709.5	81	0	0	81
12/19/2012	10	1092.4	820	709.4	82	0	0	82
12/19/2012	11	1092.4	810	709.1	82	0	0	82
12/19/2012	12	1092.3	810	708.9	81	0	0	81
12/19/2012	13	1092.3	580	708.6	81	0	0	81
12/19/2012	14	1092.4	30	708.5	82	0	0	82
12/19/2012	15	1092.4	790	708.7	82	0	0	82
12/19/2012	16	1092.4	790	709.5	82	0	0	82
12/19/2012	17	1092.4	1700	709.7	81	0	0	81
12/19/2012	18	1092.4	2460	709.9	82	0	0	82
12/19/2012	19	1092.4	2410	710.1	82	0	0	82
12/19/2012	20	1092.4	2410	710.4	82	0	0	82
12/19/2012	21	1092.4	2410	710.7	82	0	0	82
12/19/2012	22	1092.4	2430	710.5	82	0	0	82
12/19/2012	23	1092.3	2430	710.0	82	0	0	82
12/19/2012	24	1092.4	2400	709.5	82	0	0	82
12/20/2012	1	1092.3	2430	709.1	82	0	0	82
12/20/2012	2	1092.4	2430	708.9	82	0	0	82
12/20/2012	3	1092.3	2420	708.9	81	0	0	81
12/20/2012	4	1092.3	2440	708.9	81	0	0	81
12/20/2012	5	1092.3	2450	709.0	82	0	0	82
12/20/2012	6	1092.3	2420	709.0	82	0	0	82
12/20/2012	7	1092.3	2420	709.7	82	0	0	82
12/20/2012	8	1092.3	2420	709.4	82	0	0	82
12/20/2012	9	1092.3	1100	708.6	81	0	0	81
12/20/2012	10	1092.3	790	708.3	81	0	0	81
12/20/2012	11	1092.3	790	708.9	81	0	0	81
12/20/2012	12	1092.3	790	709.2	81	0	0	81

## 2012 4th Quarter Hourly Flow Data

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)
12/20/2012	13	1092.3	790	709.3	81	0	0	81
12/20/2012	14	1092.3	790	708.8	82	0	0	82
12/20/2012	15	1092.4	790	708.8	85	0	0	85
12/20/2012	16	1092.3	800	709.1	86	0	0	86
12/20/2012	17	1092.3	1620	710.0	86	0	0	86
12/20/2012	18	1092.3	2380	710.5	86	0	0	86
12/20/2012	19	1092.4	2350	710.7	86	0	0	86
12/20/2012	20	1092.3	2350	710.6	85	0	0	85
12/20/2012	21	1092.3	2330	710.7	86	0	0	86
12/20/2012	22	1092.3	2300	710.7	86	0	0	86
12/20/2012	23	1092.3	2290	710.2	85	0	0	85
12/20/2012	24	1092.3	2290	709.7	85	0	0	85
12/21/2012	1	1092.3	2300	709.4	85	0	0	85
12/21/2012	2	1092.3	2350	709.4	86	0	0	86
12/21/2012	3	1092.3	2340	709.4	86	0	0	86
12/21/2012	4	1092.3	2350	709.5	85	0	0	85
12/21/2012	5	1092.3	2340	709.3	85	0	0	85
12/21/2012	6	1092.3	2350	709.1	86	0	0	86
12/21/2012	7	1092.3	2350	709.0	86	0	0	86
12/21/2012	8	1092.2	2340	709.0	86	0	0	86
12/21/2012	9	1092.3	2330	709.3	86	0	0	86
12/21/2012	10	1092.3	2310	709.3	85	0	0	85
12/21/2012	11	1092.3	2330	709.6	86	0	0	86
12/21/2012	12	1092.2	2300	709.2	85	0	0	85
12/21/2012	13	1092.2	2300	709.0	85	0	0	85
12/21/2012	14	1092.3	2290	709.0	85	0	0	85
12/21/2012	15	1092.3	2320	709.3	85	0	0	85
12/21/2012	16	1092.2	2330	709.4	85	0	0	85
12/21/2012	17	1092.2	2340	709.2	85	0	0	85
12/21/2012	18	1092.3	2310	709.1	85	0	0	85
12/21/2012	19	1092.2	2290	709.2	85	0	0	85
12/21/2012	20	1092.2	2320	709.5	85	0	0	85
12/21/2012	21	1092.2	2300	710.1	85	0	0	85
12/21/2012	22	1092.2	2300	709.9	85	0	0	85
12/21/2012	23	1092.2	2330	709.6	85	0	0	85
12/21/2012	24	1092.2	2300	709.3	85	0	0	85
12/22/2012	1	1092.2	2320	709.0	85	0	0	85
12/22/2012	2	1092.2	2320	708.8	86	0	0	86
12/22/2012	3	1092.2	2330	709.0	86	0	0	86
12/22/2012	4	1092.2	2330	709.1	85	0	0	85
12/22/2012	5	1092.2	2310	708.9	86	0	0	86
12/22/2012	6	1092.2	2340	708.9	85	0	0	85
12/22/2012	7	1092.2	2350	709.0	86	0	0	86
12/22/2012	8	1092.2	2350	709.5	85	0	0	85
12/22/2012	9	1092.2	2350	709.9	85	0	0	85
12/22/2012	10	1092.2	2320	709.9	85	0	0	85

## 2012 4th Quarter Hourly Flow Data

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)
12/22/2012	11	1092.2	2340	709.7	85	0	0	85
12/22/2012	12	1092.2	2360	709.6	85	0	0	85
12/22/2012	13	1092.2	2320	709.3	85	0	0	85
12/22/2012	14	1092.2	2320	709.2	85	0	0	85
12/22/2012	15	1092.2	2340	709.4	85	0	0	85
12/22/2012	16	1092.2	2360	709.6	85	0	0	85
12/22/2012	17	1092.2	2380	709.7	85	0	0	85
12/22/2012	18	1092.2	2330	709.9	85	0	0	85
12/22/2012	19	1092.2	2310	710.0	85	0	0	85
12/22/2012	20	1092.2	2330	710.4	85	0	0	85
12/22/2012	21	1092.2	2300	710.2	85	0	0	85
12/22/2012	22	1092.2	2300	709.8	85	0	0	85
12/22/2012	23	1092.2	2310	709.5	85	0	0	85
12/22/2012	24	1092.2	2300	709.2	85	0	0	85
12/23/2012	1	1092.1	2290	709.1	85	0	0	85
12/23/2012	2	1092.1	2310	709.0	85	0	0	85
12/23/2012	3	1092.1	2300	709.1	85	0	0	85
12/23/2012	4	1092.1	2310	709.1	85	0	0	85
12/23/2012	5	1092.1	2320	709.2	85	0	0	85
12/23/2012	6	1092.1	2330	709.2	85	0	0	85
12/23/2012	7	1092.1	2330	709.3	85	0	0	85
12/23/2012	8	1092.1	2320	709.3	85	0	0	85
12/23/2012	9	1092.1	2330	709.4	85	0	0	85
12/23/2012	10	1092.1	2320	709.6	85	0	0	85
12/23/2012	11	1092.1	2300	709.7	85	0	0	85
12/23/2012	12	1092.1	2310	709.6	85	0	0	85
12/23/2012	13	1092.1	2290	709.4	85	0	0	85
12/23/2012	14	1092.1	2310	709.4	85	0	0	85
12/23/2012	15	1092.1	2340	709.4	85	0	0	85
12/23/2012	16	1092.1	2360	709.3	85	0	0	85
12/23/2012	17	1092.1	2380	709.3	85	0	0	85
12/23/2012	18	1092.1	2360	709.8	85	0	0	85
12/23/2012	19	1092.1	2340	710.4	85	0	0	85
12/23/2012	20	1092.1	2340	710.6	85	0	0	85
12/23/2012	21	1092.1	2340	710.3	85	0	0	85
12/23/2012	22	1092.1	2330	710.0	85	0	0	85
12/23/2012	23	1092.1	2330	709.7	85	0	0	85
12/23/2012	24	1092.1	2340	709.6	85	0	0	85
12/24/2012	1	1092.1	2330	709.4	85	0	0	85
12/24/2012	2	1092.0	2340	709.0	85	0	0	85
12/24/2012	3	1092.0	2310	709.0	84	0	0	84
12/24/2012	4	1092.0	2320	709.0	85	0	0	85
12/24/2012	5	1092.1	2350	709.1	85	0	0	85
12/24/2012	6	1092.0	2340	709.2	85	0	0	85
12/24/2012	7	1092.0	2340	709.2	85	0	0	85
12/24/2012	8	1092.0	2320	709.5	85	0	0	85

## 2012 4th Quarter Hourly Flow Data

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)
12/24/2012	9	1092.0	2330	710.0	85	0	0	85
12/24/2012	10	1092.0	2360	710.0	85	0	0	85
12/24/2012	11	1092.0	2320	709.6	84	0	0	84
12/24/2012	12	1092.0	2340	709.8	84	0	0	84
12/24/2012	13	1092.0	2310	709.7	84	0	0	84
12/24/2012	14	1092.0	2340	709.5	84	0	0	84
12/24/2012	15	1092.0	2330	709.5	85	0	0	85
12/24/2012	16	1092.0	2350	709.6	85	0	0	85
12/24/2012	17	1092.0	2360	709.9	85	0	0	85
12/24/2012	18	1092.0	2320	709.9	84	0	0	84
12/24/2012	19	1092.0	2300	709.8	85	0	0	85
12/24/2012	20	1092.0	2310	709.8	85	0	0	85
12/24/2012	21	1092.0	2330	709.7	85	0	0	85
12/24/2012	22	1092.0	2340	709.7	85	0	0	85
12/24/2012	23	1091.9	2320	709.7	85	0	0	85
12/24/2012	24	1092.0	2310	709.7	85	0	0	85
12/25/2012	1	1092.0	2320	709.5	85	0	0	85
12/25/2012	2	1091.9	2330	709.4	84	0	0	84
12/25/2012	3	1091.9	2300	709.3	85	0	0	85
12/25/2012	4	1091.9	2320	709.2	84	0	0	84
12/25/2012	5	1091.9	2330	709.2	84	0	0	84
12/25/2012	6	1091.9	2330	709.3	84	0	0	84
12/25/2012	7	1091.9	2330	709.4	84	0	0	84
12/25/2012	8	1091.9	2350	709.6	84	0	0	84
12/25/2012	9	1091.9	2360	709.6	84	0	0	84
12/25/2012	10	1091.9	2350	709.7	85	0	0	85
12/25/2012	11	1091.9	2340	709.8	84	0	0	84
12/25/2012	12	1091.9	2320	709.9	85	0	0	85
12/25/2012	13	1091.9	2330	709.9	84	0	0	84
12/25/2012	14	1091.9	2340	709.9	84	0	0	84
12/25/2012	15	1091.9	2330	709.7	84	0	0	84
12/25/2012	16	1091.9	2330	709.7	84	0	0	84
12/25/2012	17	1091.9	2340	709.8	84	0	0	84
12/25/2012	18	1091.9	2330	709.9	84	0	0	84
12/25/2012	19	1091.9	2330	710.0	84	0	0	84
12/25/2012	20	1091.9	2340	710.3	84	0	0	84
12/25/2012	21	1091.9	2350	710.4	84	0	0	84
12/25/2012	22	1091.9	2330	710.2	84	0	0	84
12/25/2012	23	1091.8	2340	710.0	84	0	0	84
12/25/2012	24	1091.9	2340	709.8	84	0	0	84
12/26/2012	1	1091.9	2340	709.6	84	0	0	84
12/26/2012	2	1091.8	2340	709.4	85	0	0	85
12/26/2012	3	1091.8	2360	709.5	85	0	0	85
12/26/2012	4	1091.8	2360	709.5	85	0	0	85
12/26/2012	5	1091.8	2330	709.3	85	0	0	85
12/26/2012	6	1091.8	2340	709.3	84	0	0	84

## 2012 4th Quarter Hourly Flow Data

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)
12/26/2012	7	1091.8	2310	709.5	84	0	0	84
12/26/2012	8	1091.8	2320	710.1	84	0	0	84
12/26/2012	9	1091.8	2350	710.9	84	0	0	84
12/26/2012	10	1091.8	2340	711.0	84	0	0	84
12/26/2012	11	1091.8	2320	711.0	84	0	0	84
12/26/2012	12	1091.8	2310	711.0	84	0	0	84
12/26/2012	13	1091.8	2310	710.6	84	0	0	84
12/26/2012	14	1091.8	2310	710.1	84	0	0	84
12/26/2012	15	1091.8	2350	710.1	85	0	0	85
12/26/2012	16	1091.8	2370	710.3	84	0	0	84
12/26/2012	17	1091.8	2360	710.4	84	0	0	84
12/26/2012	18	1091.8	2360	710.6	84	0	0	84
12/26/2012	19	1091.8	2340	710.5	84	0	0	84
12/26/2012	20	1091.8	2330	709.9	84	0	0	84
12/26/2012	21	1091.8	2330	709.9	84	0	0	84
12/26/2012	22	1091.8	2330	709.9	84	0	0	84
12/26/2012	23	1091.8	2350	709.9	84	0	0	84
12/26/2012	24	1091.8	2330	710.3	84	0	0	84
12/27/2012	1	1091.7	2350	710.0	84	0	0	84
12/27/2012	2	1091.7	2300	709.4	84	0	0	84
12/27/2012	3	1091.7	2330	708.9	84	0	0	84
12/27/2012	4	1091.8	2340	709.0	84	0	0	84
12/27/2012	5	1091.7	2350	709.1	84	0	0	84
12/27/2012	6	1091.7	2350	709.3	84	0	0	84
12/27/2012	7	1091.7	2330	709.2	84	0	0	84
12/27/2012	8	1091.7	2370	709.2	84	0	0	84
12/27/2012	9	1091.7	2350	709.6	84	0	0	84
12/27/2012	10	1091.7	2360	710.2	84	0	0	84
12/27/2012	11	1091.7	2340	710.4	84	0	0	84
12/27/2012	12	1091.7	2270	710.2	84	0	0	84
12/27/2012	13	1091.7	2290	709.8	84	0	0	84
12/27/2012	14	1091.6	2400	709.6	84	0	0	84
12/27/2012	15	1091.7	2420	709.4	84	0	0	84
12/27/2012	16	1091.7	2440	709.3	84	0	0	84
12/27/2012	17	1091.6	2440	709.5	84	0	0	84
12/27/2012	18	1091.6	2420	709.8	84	0	0	84
12/27/2012	19	1091.7	2420	710.2	84	0	0	84
12/27/2012	20	1091.7	2410	710.5	84	0	0	84
12/27/2012	21	1091.6	2410	710.6	84	0	0	84
12/27/2012	22	1091.6	2410	710.6	84	0	0	84
12/27/2012	23	1091.6	2440	710.1	84	0	0	84
12/27/2012	24	1091.6	2440	709.6	84	0	0	84
12/28/2012	1	1091.6	2450	709.2	84	0	0	84
12/28/2012	2	1091.6	2440	709.1	84	0	0	84
12/28/2012	3	1091.6	2430	709.3	84	0	0	84
12/28/2012	4	1091.6	2460	709.4	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
12/28/2012	5	1091.6	2460	709.5	83	0	0	83
12/28/2012	6	1091.6	2440	709.4	83	0	0	83
12/28/2012	7	1091.6	2440	709.4	83	0	0	83
12/28/2012	8	1091.6	2460	709.7	83	0	0	83
12/28/2012	9	1091.6	2460	710.4	83	0	0	83
12/28/2012	10	1091.6	2460	710.6	84	0	0	84
12/28/2012	11	1091.6	2440	710.8	83	0	0	83
12/28/2012	12	1091.6	2400	710.7	83	0	0	83
12/28/2012	13	1091.6	2420	710.6	83	0	0	83
12/28/2012	14	1091.5	2390	710.2	83	0	0	83
12/28/2012	15	1091.5	2410	710.1	84	0	0	84
12/28/2012	16	1091.5	2450	710.2	83	0	0	83
12/28/2012	17	1091.5	2490	710.5	84	0	0	84
12/28/2012	18	1091.5	2480	710.9	83	0	0	83
12/28/2012	19	1091.5	2460	711.0	84	0	0	84
12/28/2012	20	1091.5	2460	711.1	84	0	0	84
12/28/2012	21	1091.5	2450	711.1	84	0	0	84
12/28/2012	22	1091.5	2470	711.3	84	0	0	84
12/28/2012	23	1091.5	2450	711.5	83	0	0	83
12/28/2012	24	1091.5	2470	711.4	83	0	0	83
12/29/2012	1	1091.5	2470	710.5	83	0	0	83
12/29/2012	2	1091.5	2450	709.8	83	0	0	83
12/29/2012	3	1091.5	2460	709.5	83	0	0	83
12/29/2012	4	1091.5	2440	709.5	84	0	0	84
12/29/2012	5	1091.5	2410	709.6	83	0	0	83
12/29/2012	6	1091.5	2430	709.5	84	0	0	84
12/29/2012	7	1091.5	2430	709.6	84	0	0	84
12/29/2012	8	1091.5	2430	709.7	84	0	0	84
12/29/2012	9	1091.5	2430	709.8	83	0	0	83
12/29/2012	10	1091.5	2460	710.0	83	0	0	83
12/29/2012	11	1091.5	2440	710.1	83	0	0	83
12/29/2012	12	1091.5	2410	710.2	83	0	0	83
12/29/2012	13	1091.5	2410	710.2	83	0	0	83
12/29/2012	14	1091.5	2420	710.2	83	0	0	83
12/29/2012	15	1091.5	2430	710.4	83	0	0	83
12/29/2012	16	1091.5	2440	710.2	83	0	0	83
12/29/2012	17	1091.4	2450	710.0	83	0	0	83
12/29/2012	18	1091.4	2430	710.1	83	0	0	83
12/29/2012	19	1091.5	2430	710.4	83	0	0	83
12/29/2012	20	1091.4	2400	710.4	83	0	0	83
12/29/2012	21	1091.4	2440	710.2	83	0	0	83
12/29/2012	22	1091.4	2440	710.1	83	0	0	83
12/29/2012	23	1091.4	2450	710.0	83	0	0	83
12/29/2012	24	1091.4	2410	710.0	83	0	0	83
12/30/2012	1	1091.4	2450	709.7	83	0	0	83
12/30/2012	2	1091.4	2430	709.1	83	0	0	83

## 2012 4th Quarter Hourly Flow Data

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)
12/30/2012	3	1091.4	2440	709.0	83	0	0	83
12/30/2012	4	1091.4	2430	709.1	83	0	0	83
12/30/2012	5	1091.4	2450	709.3	83	0	0	83
12/30/2012	6	1091.4	2460	709.5	83	0	0	83
12/30/2012	7	1091.4	2470	709.6	83	0	0	83
12/30/2012	8	1091.4	2450	709.4	82	0	0	82
12/30/2012	9	1091.4	2430	709.5	82	0	0	82
12/30/2012	10	1091.4	2420	709.7	83	0	0	83
12/30/2012	11	1091.4	2430	710.2	83	0	0	83
12/30/2012	12	1091.3	2430	710.3	87	0	0	87
12/30/2012	13	1091.3	2430	710.0	86	0	0	86
12/30/2012	14	1091.3	2420	709.7	86	0	0	86
12/30/2012	15	1091.3	2430	709.6	86	0	0	86
12/30/2012	16	1091.3	2430	709.6	86	0	0	86
12/30/2012	17	1091.3	2480	709.7	86	0	0	86
12/30/2012	18	1091.3	2470	709.9	86	0	0	86
12/30/2012	19	1091.3	2460	710.1	86	0	0	86
12/30/2012	20	1091.3	2450	710.3	86	0	0	86
12/30/2012	21	1091.3	2460	710.3	86	0	0	86
12/30/2012	22	1091.3	2460	710.2	86	0	0	86
12/30/2012	23	1091.3	2450	710.1	86	0	0	86
12/30/2012	24	1091.3	2450	710.0	86	0	0	86
12/31/2012	1	1091.3	2450	709.7	86	0	0	86
12/31/2012	2	1091.3	2440	709.6	86	0	0	86
12/31/2012	3	1091.2	2440	709.6	86	0	0	86
12/31/2012	4	1091.2	2460	709.8	86	0	0	86
12/31/2012	5	1091.3	2450	709.8	86	0	0	86
12/31/2012	6	1091.2	2460	709.8	86	0	0	86
12/31/2012	7	1091.2	2440	709.7	86	0	0	86
12/31/2012	8	1091.2	2430	709.8	86	0	0	86
12/31/2012	9	1091.3	2430	710.2	86	0	0	86
12/31/2012	10	1091.2	2410	710.4	86	0	0	86
12/31/2012	11	1091.2	2430	710.5	86	0	0	86
12/31/2012	12	1091.2	2410	710.3	86	0	0	86
12/31/2012	13	1091.2	2390	710.1	86	0	0	86
12/31/2012	14	1091.2	2410	710.0	86	0	0	86
12/31/2012	15	1091.2	2450	710.0	86	0	0	86
12/31/2012	16	1091.2	2440	709.9	86	0	0	86
12/31/2012	17	1091.2	2480	710.0	86	0	0	86
12/31/2012	18	1091.2	2450	710.3	86	0	0	86
12/31/2012	19	1091.2	2420	710.5	86	0	0	86
12/31/2012	20	1091.2	2430	710.4	86	0	0	86
12/31/2012	21	1091.2	2440	710.5	86	0	0	86
12/31/2012	22	1091.1	2470	710.7	86	0	0	86
12/31/2012	23	1091.1	2470	710.5	86	0	0	86
12/31/2012	24	1091.2	2450	710.4	86	0	0	86