

Henry M. Jackson Hydroelectric Project (FERC No. P-2157)



Operation Compliance Monitoring Plan (License Article 407)

Annual Report for Water Year
July 2011 – June 2012



Everett, WA

September 2012

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ACRONYMS & ABBREVIATIONS

A-LA	Aquatic License Article
ARC	Aquatic Resource Committee
cfs	cubic feet per second
District	Public Utility District No. 1 of Snohomish County
FERC	Federal Energy Regulatory Commission
MW	megawatt
OCMP	Operation Compliance Monitoring Plan
PF Plan	Process Flow Plan
Project	Henry M. Jackson Hydroelectric Project, FERC No. 2157
SCADA	Supervisory Control and Data Acquisition
USGS	United States Geological Survey
WY	Water year

1. INTRODUCTION

Public Utility District No. 1 of Snohomish County (District) received from the Federal Energy Regulatory Commission (FERC) a new license for the existing 111.8-megawatt (MW) Henry M. Jackson Hydroelectric Project (FERC No. 2157) (Project) on September 2, 2011. The District filed with the FERC the Operation Compliance Monitoring Plan (OCMP) in response to License Article 407. The FERC approved the OCMP on April 10, 2012. Per Section 9 of the OCMP, the District is to file an Annual Report by November 1 of each year, which documents the following for the previous water year (July through June):

- (a) the dates, duration, and quantities of the process flow released in accordance with the Process Flow Plan (PF Plan) required by Article 416;
- (b) Spada Lake Reservoir daily water surface elevations; and
- (c) if deviations from the targeted State 3 water surface elevations occurred, the reasons for the deviations and any proposals for corrective actions to avoid future occurrences, as appropriate.

This OCMP Annual Report covers activities for water year (WY) July 2011 – June 2012, under the new license from September 2011 – June 2012.

A copy of the draft report was provided to National Marine Fisheries Service, the Forest Service, U.S. Fish and Wildlife Service, Washington Department of Fish and Wildlife, Washington Department of Ecology, Tulalip Tribes, Snohomish County, City of Everett, City of Sultan, and American Whitewater (collectively known as the Aquatic Resource Committee or ARC) for a 30-day review and comment period.

Spada Lake Reservoir data in tabular format are included in Appendix 1, consultation documentation is included in Appendix 2, and responses to comments are included in Appendix 3.

2. PROCESS FLOWS

The District provided process flow events per the PF Plan on three occasions during the September 2011 – June 2012 timeframe to serve multiple habitat benefits. These included events during the fall for flushing of fine sediment from the channel and to stimulate the upstream migration of spawning adults, and an event during the spring to aid in flushing of fine sediment and to assist in the outmigration of juvenile fish. The process flow events for the Sultan River are summarized below in Table 1 for each reach and the reaches are identified in Figure 1. The District followed each process flow event with License required downramping; downramping is evident in the trailing ends of each process flow curve as shown in Figures 2 through 6.

Table 1. Process Flow Log, September 2011 - June 2012

Date ¹	Time ²	Magnitude ³ (cfs)	Duration ⁴ (hours)	Accretion ⁵ (cfs)	Notes ⁶	Counts as PF Type ⁷
9/2/2011	10:00	R1- 1,200	95	R1- N/A R2- N/A R3- N/A	Near full generation. See Figure 2.	F, U
9/13/2011	15:00	R2 – 150 to 375	6	R1- N/A R2- N/A R3- N/A	Modified, in consultation with ARC, due to presence of early spawning Chinook in Reach 2, downramped to September 15 minimum flow schedule one day early. See Figure 3 and Appendix A.	F, U
9/13/2011	10:00	R3 – 150 to 300	6	R1- N/A R2- N/A R3- N/A	Modified due to presence of early spawning Chinook downstream in Reach 2.	F
4/3/2012	10:00	R1 – 1,797 (average), range: 1,500 to 2,060	8.5		Reservoir elevation > 1,420 ft msl, magnitude of greater than 1,500 cfs was achieved through release combined with increase in generation, rotary screw trap in operation at RM 0.2 before, during, and after process flow to capture outmigrating salmonids and document effectiveness of flow release. See Figure 4.	F, O
4/3/2012	11:45	R2 – 661 (average), range: 512 to 721	8	R2- estimated at 70 cfs	See Figure 5.	F, O
4/3/2012	10:00	R3 – 579	8.75	R3 –	See Figure 6.	F

¹ Start Date of Event (MM/DD/YYYY)

² Start Time

³ Magnitude of the Event for Each Compliance Location (R1-Reach 1, R2-Reach 2, R3-Reach 3)

⁴ Duration of Event

⁵ Portion of Event Attributed to Accretion Flows

⁶ Notes of Day's Event, Sequencing with Other Flow Events/Maintenance

⁷ Channel Forming (CF), Channel Maintenance (CM), Flushing (F), Outmigration (O), Upmigration (U)

		(average), range: 411 to 654		estimated at 60 cfs		
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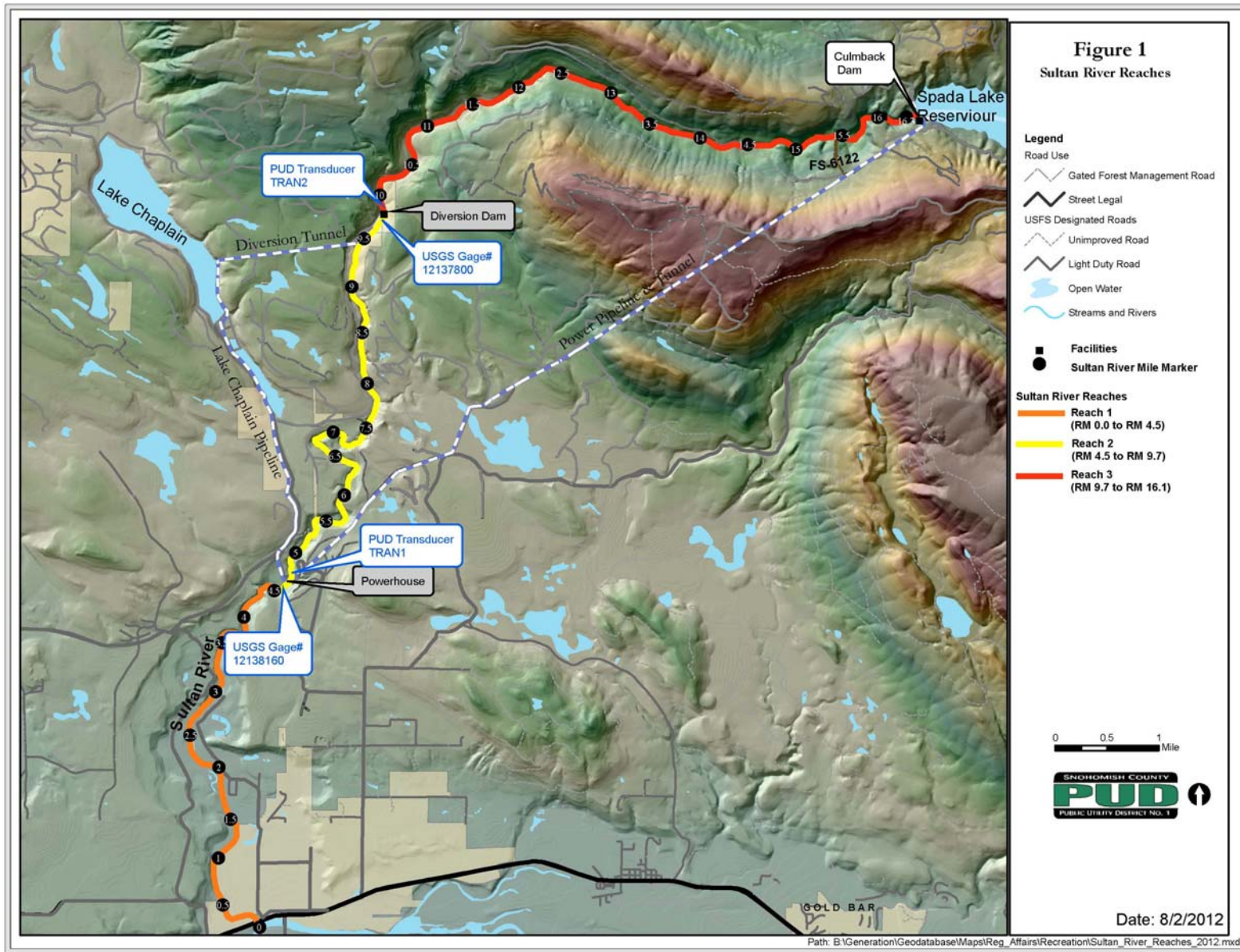


Figure 1. Sultan River Reaches.

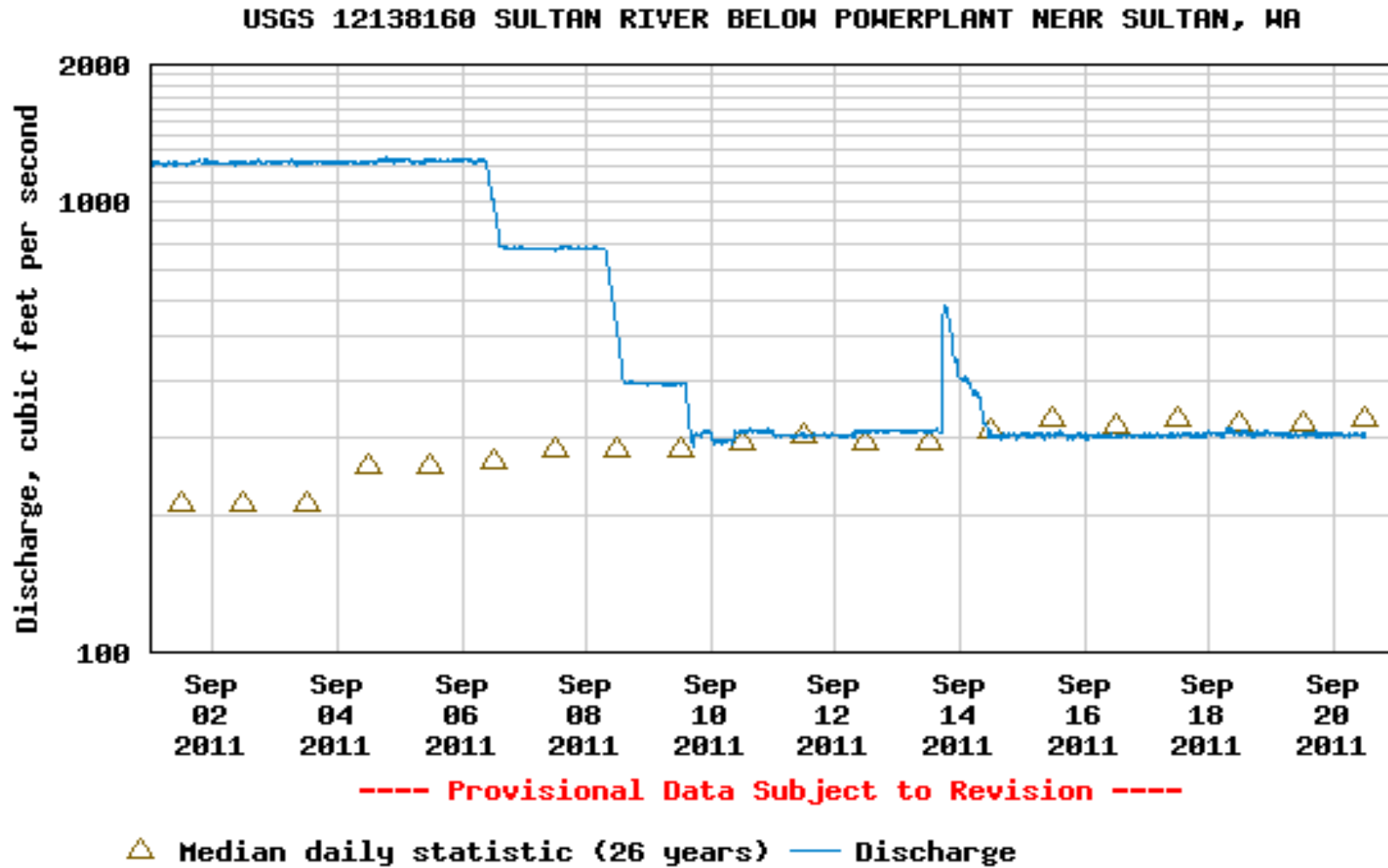


Figure 2. Sultan River below Powerhouse, hydrograph of 15 minute discharge readings, 9/1/2011 to 9/20/2011

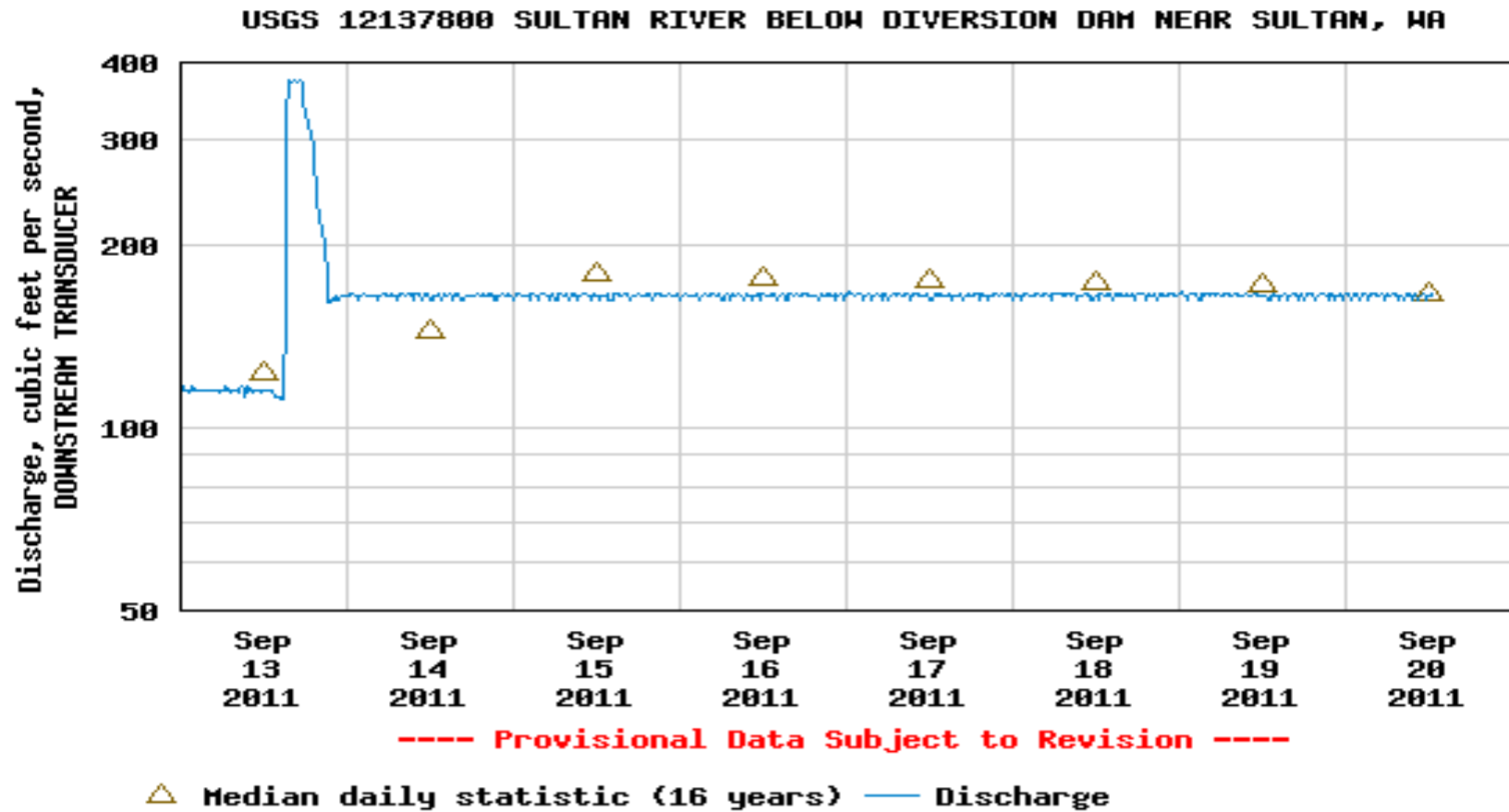


Figure 3. Sultan River below Diversion Dam, hydrograph of 15 minute discharge readings, 9/13/2011 to 9/20/2011

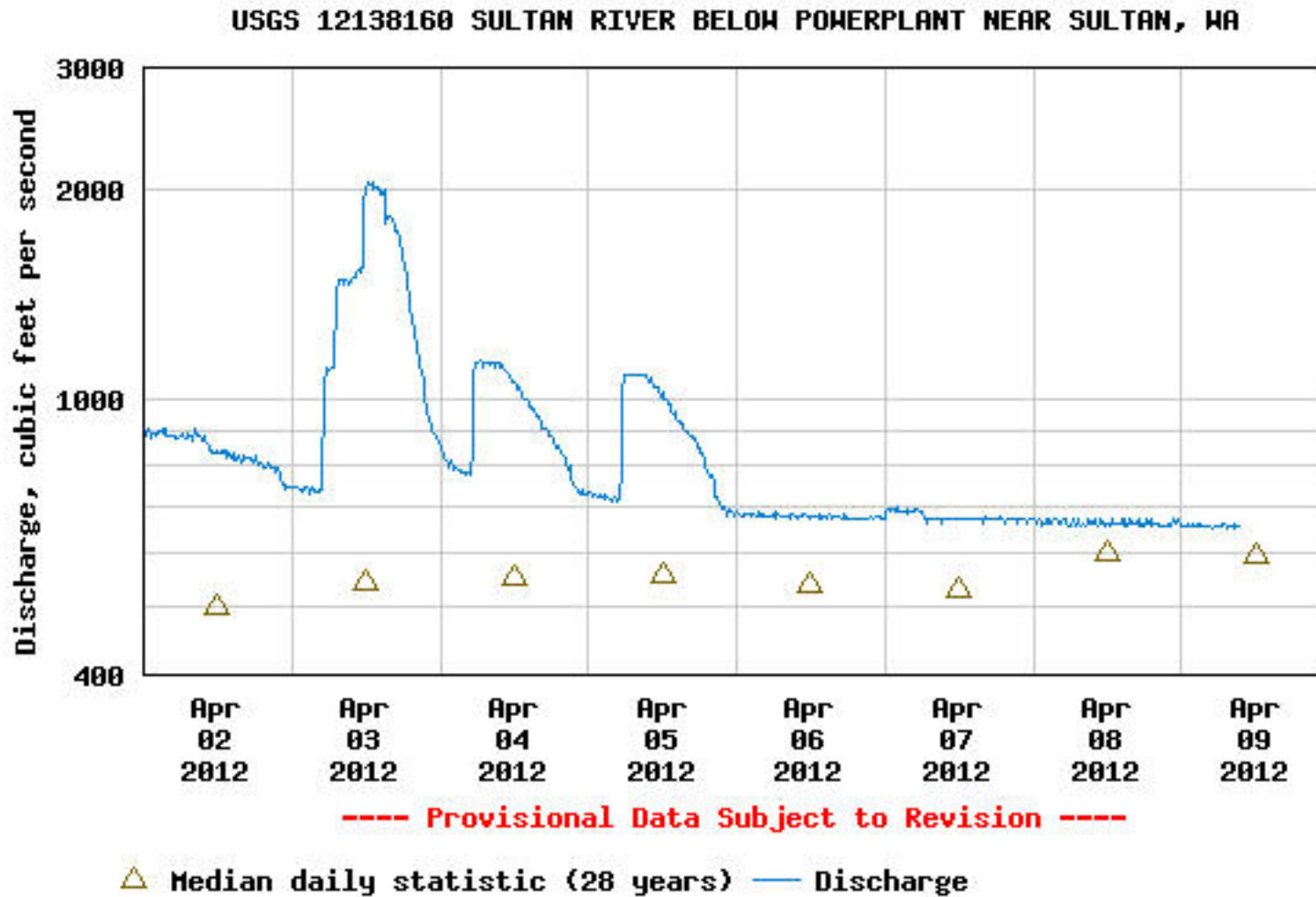


Figure 4. Sultan River below Powerhouse, hydrograph of 15 minute discharge readings, 4/2/2012 to 4/9/2012

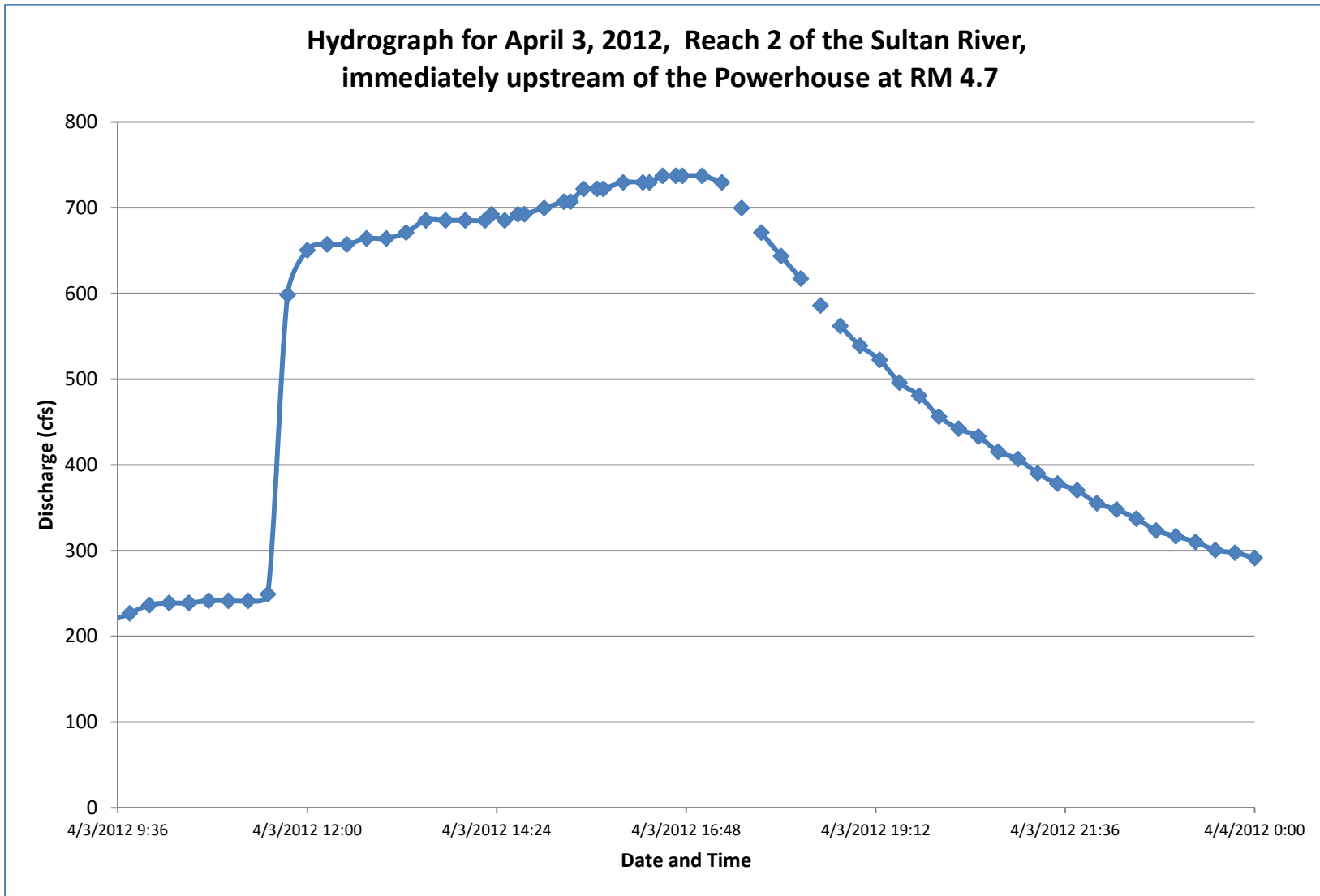


Figure 5. Sultan River, immediately upstream of Powerhouse at RM 4.7, hydrograph of 15 minute discharge readings, 4/3/2012

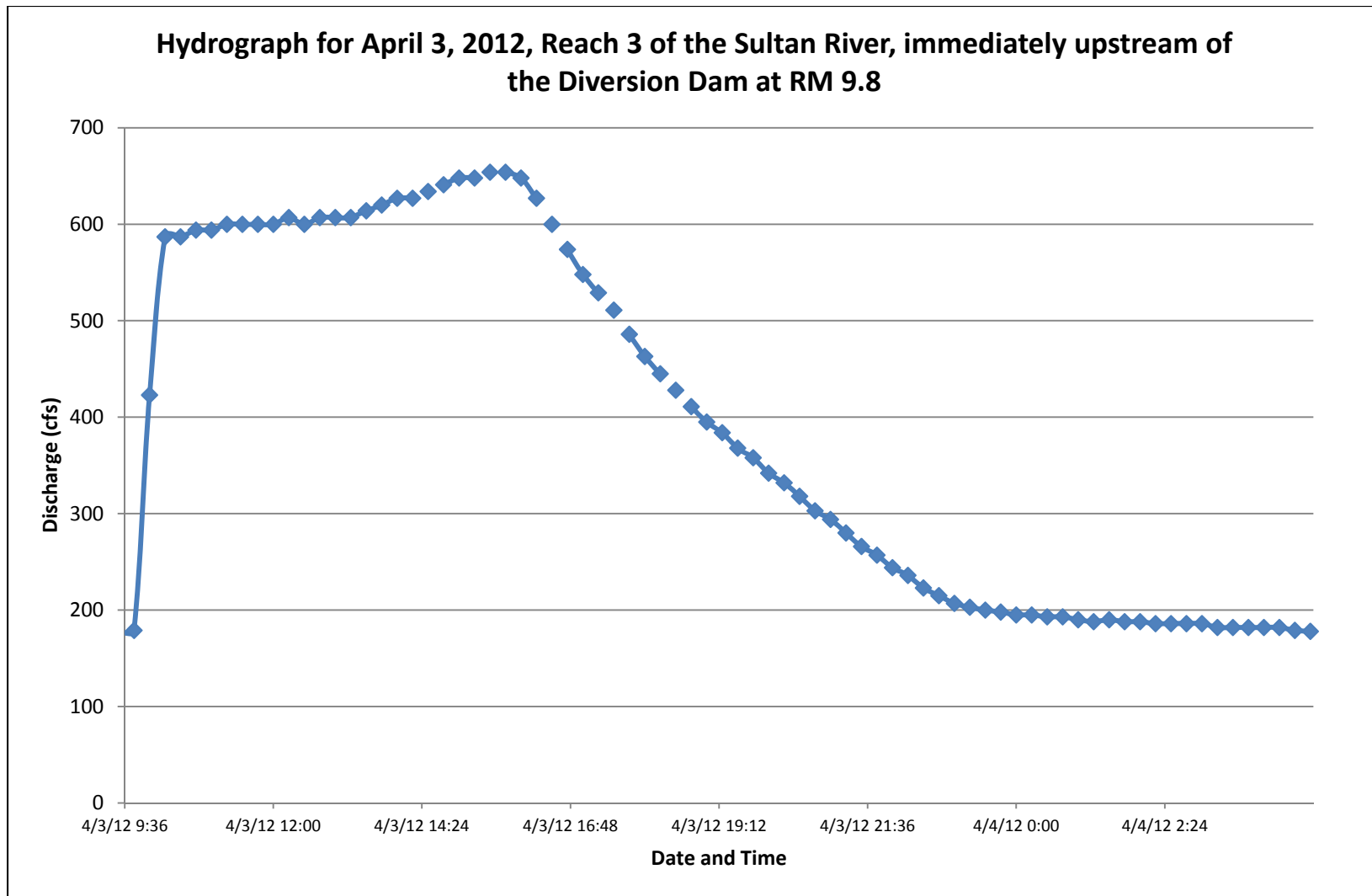


Figure 6. Sultan River, immediately upstream of the City of Everett’s Diversion Dam at RM 9.8, hydrograph of 15 minute discharge readings – 4/3/2012

3. SPADA LAKE RESERVOIR WATER SURFACE ELEVATIONS

During this reporting period, Spada Lake Reservoir mean daily water surface elevations ranged between 1,445.68 and 1,387.76 feet msl, with the high occurring on June 20, 2012, and the low on October 10, 2011. Figure 7 charts the mean daily water surface elevations of Spada Lake Reservoir, and Appendix 1 contains the data in tabular format.

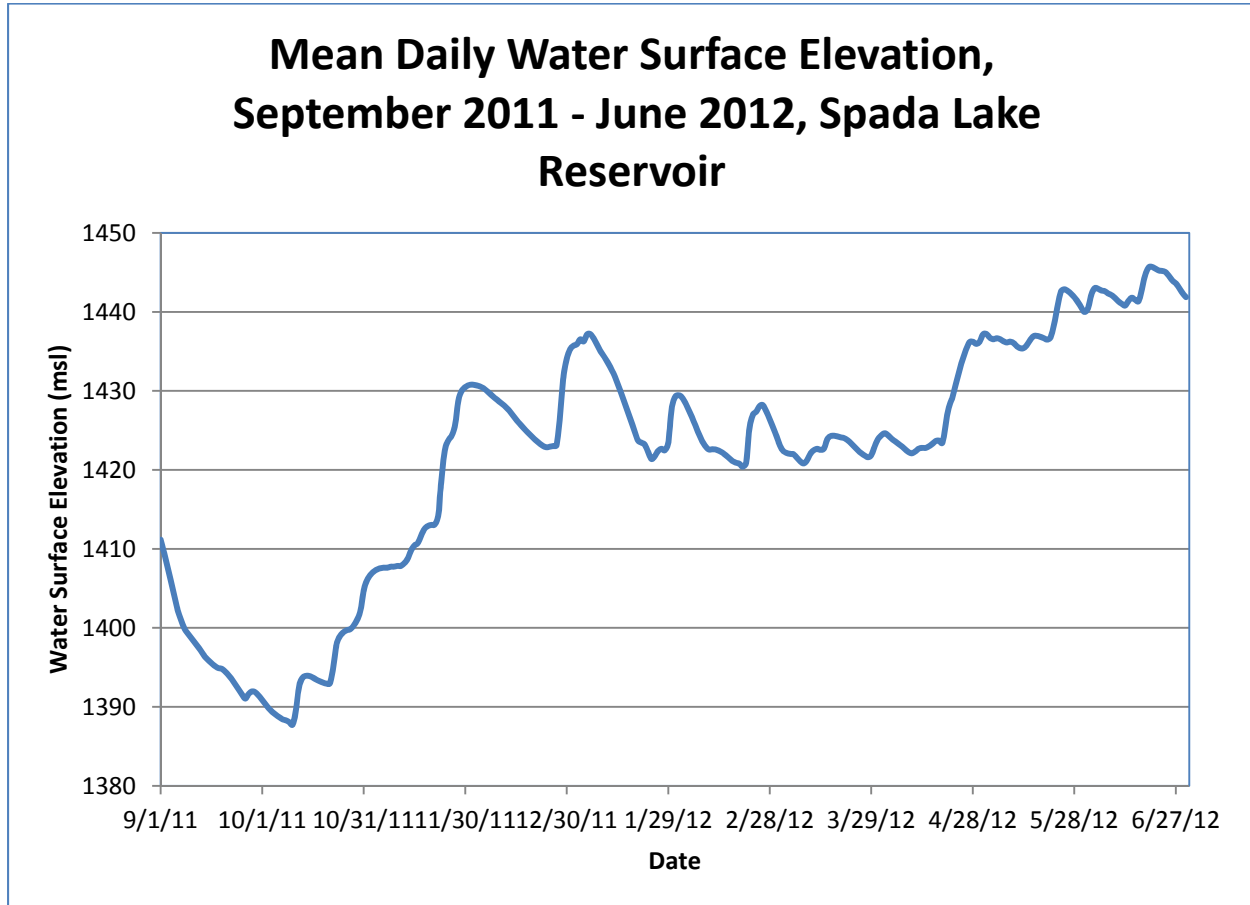


Figure 7. Mean Daily Water Survey Elevation September 1, 2011 - June 30, 2012

4. DEVIATIONS FROM STATE 3

License Article 406 requires:

When Spada Lake is in State 3, subject to meeting the (1) City of Everett's water supply requirements and other conditions of this license, the licensee shall maintain a minimum impoundment water surface elevation in Spada Lake above 1,430 feet mean sea level (msl), as measured at U.S. Geological Survey gage no. 12137300, Spada Lake near Startup, Washington, between July 1 and August 15. Until the temperature conditioning structure required by Appendix A, condition 5.2 (A-LA 3), and Appendix B, condition 2 (A-LA 3) is installed and operational (from license issuance until the earlier of (a) two years after the date the District completes the Sultan River diversion dam's volitional fish

*passage modifications, described in A-LA 13 or (b) January 1, 2020), the licensee shall maintain a minimum impoundment water surface elevation in Spada Lake Reservoir at or above 1,420 feet msl from August 16 through September 15.*⁸

No deviations to prescribed target elevations occurred when the Spada Lake Reservoir was in State 3.

During the September 1-15 timeframe, the District was in State 4 and operating the Project to meet the requirements of the City of Everett's water supply, minimum instream flows for fisheries and other License obligations.

When the License was issued, the District was in the process of proactively drafting the reservoir to facilitate implementation of the anticipated new License conditions including: improvement to boat launches at Spada Lake Reservoir per the Recreation Resource Management Plan (License Article 413) and the Spada Lake Recreational Fishery Plan (License Article 409), and to install equipment necessary to condition water temperatures in Reach 3 of the Sultan River per the Water Temperature Conditioning and Monitoring Plan (License Article 415). The District discussed with staff at the Portland Regional Office on September 12, 2011, the improvements and received a verbal approval. Written approval from the PRO was dated September 28, 2011. A follow-up letter was filed with the FERC on November 21, 2011, describing the valve modifications and work necessary to facilitate water temperature conditioning in Reach 3 of the Sultan River. As indicated in those filings, the lowered reservoir elevations were necessary to conduct the required work to meet License obligations under License Articles 409, 413 and 415.

⁸ *Public Utility District No. 1 Of Snohomish County*, 137 FERC ¶ 61,221 (2011), Order Denying Rehearing And Granting Clarification, issued December 15, 2011

Appendix 1

Spada Lake Reservoir Mean Daily Elevations Tabular Format

Date	Average Elevation (feet msl)
9/1/2011	1,411.1
9/2/2011	1,409.5
9/3/2011	1,407.8
9/4/2011	1,405.9
9/5/2011	1,404.1
9/6/2011	1,402.3
9/7/2011	1,401.0
9/8/2011	1,399.9
9/9/2011	1,399.3
9/10/2011	1,398.7
9/11/2011	1,398.2
9/12/2011	1,397.6
9/13/2011	1,397.0
9/14/2011	1,396.4
9/15/2011	1,395.9
9/16/2011	1,395.5
9/17/2011	1,395.2
9/18/2011	1,394.9
9/19/2011	1,394.8
9/20/2011	1,394.5
9/21/2011	1,394.0
9/22/2011	1,393.5
9/23/2011	1,392.9
9/24/2011	1,392.2
9/25/2011	1,391.6
9/26/2011	1,391.0
9/27/2011	1,391.6
9/28/2011	1,391.9
9/29/2011	1,391.8
9/30/2011	1,391.4
10/1/2011	1,390.9
10/2/2011	1,390.3
10/3/2011	1,389.8
10/4/2011	1,389.4
10/5/2011	1,389.0
10/6/2011	1,388.7
10/7/2011	1,388.4
10/8/2011	1,388.3
10/9/2011	1,388.1
10/10/2011	1,387.8
10/11/2011	1,389.7
10/12/2011	1,392.8
10/13/2011	1,393.7
10/14/2011	1,393.9
10/15/2011	1,393.9
10/16/2011	1,393.7

10/17/2011	1,393.4
10/18/2011	1,393.2
10/19/2011	1,393.0
10/20/2011	1,392.9
10/21/2011	1,393.0
10/22/2011	1,395.0
10/23/2011	1,398.0
10/24/2011	1,399.0
10/25/2011	1,399.4
10/26/2011	1,399.7
10/27/2011	1,399.8
10/28/2011	1,400.2
10/29/2011	1,401.0
10/30/2011	1,402.1
10/31/2011	1,404.7
11/1/2011	1,406.1
11/2/2011	1,406.7
11/3/2011	1,407.1
11/4/2011	1,407.4
11/5/2011	1,407.5
11/6/2011	1,407.6
11/7/2011	1,407.6
11/8/2011	1,407.7
11/9/2011	1,407.7
11/10/2011	1,407.8
11/11/2011	1,407.8
11/12/2011	1,408.2
11/13/2011	1,408.7
11/14/2011	1,409.8
11/15/2011	1,410.4
11/16/2011	1,410.7
11/17/2011	1,411.7
11/18/2011	1,412.6
11/19/2011	1,412.9
11/20/2011	1,413.0
11/21/2011	1,413.1
11/22/2011	1,414.1
11/23/2011	1,418.9
11/24/2011	1,422.6
11/25/2011	1,423.7
11/26/2011	1,424.3
11/27/2011	1,425.7
11/28/2011	1,428.9
11/29/2011	1,430.0
11/30/2011	1,430.5
12/1/2011	1,430.7
12/2/2011	1,430.8
12/3/2011	1,430.7

12/4/2011	1,430.6
12/5/2011	1,430.4
12/6/2011	1,430.2
12/7/2011	1,429.8
12/8/2011	1,429.3
12/9/2011	1,429.0
12/10/2011	1,428.6
12/11/2011	1,428.3
12/12/2011	1,427.9
12/13/2011	1,427.5
12/14/2011	1,427.0
12/15/2011	1,426.4
12/16/2011	1,425.9
12/17/2011	1,425.4
12/18/2011	1,424.9
12/19/2011	1,424.5
12/20/2011	1,424.1
12/21/2011	1,423.7
12/22/2011	1,423.3
12/23/2011	1,423.0
12/24/2011	1,422.8
12/25/2011	1,422.9
12/26/2011	1,423.0
12/27/2011	1,423.1
12/28/2011	1,426.8
12/29/2011	1,431.7
12/30/2011	1,434.0
12/31/2011	1,435.3
1/1/2012	1,435.7
1/2/2012	1,435.9
1/3/2012	1,436.5
1/4/2012	1,436.3
1/5/2012	1,437.1
1/6/2012	1,437.2
1/7/2012	1,436.6
1/8/2012	1,435.8
1/9/2012	1,435.0
1/10/2012	1,434.4
1/11/2012	1,433.7
1/12/2012	1,432.9
1/13/2012	1,432.0
1/14/2012	1,430.9
1/15/2012	1,429.8
1/16/2012	1,428.6
1/17/2012	1,427.4
1/18/2012	1,426.2
1/19/2012	1,424.9
1/20/2012	1,423.7

1/21/2012	1,423.4
1/22/2012	1,423.2
1/23/2012	1,422.3
1/24/2012	1,421.4
1/25/2012	1,421.7
1/26/2012	1,422.4
1/27/2012	1,422.7
1/28/2012	1,422.5
1/29/2012	1,423.4
1/30/2012	1,427.8
1/31/2012	1,429.2
2/1/2012	1,429.4
2/2/2012	1,429.2
2/3/2012	1,428.5
2/4/2012	1,427.6
2/5/2012	1,426.7
2/6/2012	1,425.6
2/7/2012	1,424.6
2/8/2012	1,423.6
2/9/2012	1,423.0
2/10/2012	1,422.6
2/11/2012	1,422.6
2/12/2012	1,422.6
2/13/2012	1,422.4
2/14/2012	1,422.2
2/15/2012	1,421.8
2/16/2012	1,421.5
2/17/2012	1,421.1
2/18/2012	1,420.9
2/19/2012	1,420.8
2/20/2012	1,420.4
2/21/2012	1,420.9
2/22/2012	1,425.3
2/23/2012	1,427.0
2/24/2012	1,427.4
2/25/2012	1,428.1
2/26/2012	1,428.2
2/27/2012	1,427.4
2/28/2012	1,426.4
2/29/2012	1,425.3
3/1/2012	1,424.3
3/2/2012	1,423.1
3/3/2012	1,422.4
3/4/2012	1,422.1
3/5/2012	1,422.0
3/6/2012	1,422.0
3/7/2012	1,421.5
3/8/2012	1,421.1

3/9/2012	1,420.8
3/10/2012	1,421.2
3/11/2012	1,422.0
3/12/2012	1,422.5
3/13/2012	1,422.7
3/14/2012	1,422.5
3/15/2012	1,422.7
3/16/2012	1,423.9
3/17/2012	1,424.3
3/18/2012	1,424.3
3/19/2012	1,424.2
3/20/2012	1,424.1
3/21/2012	1,424.0
3/22/2012	1,423.7
3/23/2012	1,423.4
3/24/2012	1,422.9
3/25/2012	1,422.5
3/26/2012	1,422.1
3/27/2012	1,421.8
3/28/2012	1,421.6
3/29/2012	1,421.9
3/30/2012	1,423.0
3/31/2012	1,423.9
4/1/2012	1,424.4
4/2/2012	1,424.6
4/3/2012	1,424.3
4/4/2012	1,423.9
4/5/2012	1,423.6
4/6/2012	1,423.3
4/7/2012	1,423.0
4/8/2012	1,422.6
4/9/2012	1,422.2
4/10/2012	1,422.1
4/11/2012	1,422.3
4/12/2012	1,422.7
4/13/2012	1,422.8
4/14/2012	1,422.8
4/15/2012	1,423.0
4/16/2012	1,423.3
4/17/2012	1,423.6
4/18/2012	1,423.7
4/19/2012	1,423.4
4/20/2012	1,425.8
4/21/2012	1,428.1
4/22/2012	1,429.2
4/23/2012	1,430.9
4/24/2012	1,432.5
4/25/2012	1,433.9

4/26/2012	1,435.3
4/27/2012	1,436.1
4/28/2012	1,436.2
4/29/2012	1,435.9
4/30/2012	1,436.2
5/1/2012	1,437.1
5/2/2012	1,437.2
5/3/2012	1,436.7
5/4/2012	1,436.5
5/5/2012	1,436.6
5/6/2012	1,436.5
5/7/2012	1,436.3
5/8/2012	1,436.1
5/9/2012	1,436.2
5/10/2012	1,436.1
5/11/2012	1,435.6
5/12/2012	1,435.4
5/13/2012	1,435.4
5/14/2012	1,435.8
5/15/2012	1,436.5
5/16/2012	1,436.9
5/17/2012	1,437.0
5/18/2012	1,436.8
5/19/2012	1,436.7
5/20/2012	1,436.5
5/21/2012	1,436.8
5/22/2012	1,438.4
5/23/2012	1,440.6
5/24/2012	1,442.5
5/25/2012	1,442.8
5/26/2012	1,442.7
5/27/2012	1,442.3
5/28/2012	1,441.8
5/29/2012	1,441.3
5/30/2012	1,440.6
5/31/2012	1,440.0
6/1/2012	1,440.4
6/2/2012	1,442.1
6/3/2012	1,443.0
6/4/2012	1,442.9
6/5/2012	1,442.7
6/6/2012	1,442.6
6/7/2012	1,442.3
6/8/2012	1,442.1
6/9/2012	1,441.8
6/10/2012	1,441.3
6/11/2012	1,441.0
6/12/2012	1,440.8

6/13/2012	1,441.4
6/14/2012	1,441.8
6/15/2012	1,441.5
6/16/2012	1,441.4
6/17/2012	1,442.9
6/18/2012	1,444.7
6/19/2012	1,445.6
6/20/2012	1,445.7
6/21/2012	1,445.4
6/22/2012	1,445.2
6/23/2012	1,445.2
6/24/2012	1,445.0
6/25/2012	1,444.5
6/26/2012	1,443.9
6/27/2012	1,443.6
6/28/2012	1,443.0
6/29/2012	1,442.4
6/30/2012	1,441.9

Appendix 2

Consultation Documentation

Presler, Dawn

From: Daryl Williams [darylwilliams@tulaliptribes-nsn.gov]
Sent: Friday, September 09, 2011 4:10 PM
To: Presler, Dawn; Tim_Romanski@fws.gov; Applegate, Brock A (DFW); Steve Fransen
Cc: Abby Hook; Maynard, Chris (ECY); Deborah Knight - Sultan; Frank Leonetti - SnoCo; Bails, Jamie L (DFW); Whitney, Jennifer L (DFW); Jim Miller - Everett; jsklare@ci.everett.wa.us; Moore, Kim; Binkley, Keith; Loren Everest - USFS; mick.matheson@ci.sultan.wa.us; Tom O'Keefe - AW; Verhey, Peter A (DFW); Steve Fransen
Subject: RE: Jackson Hydro (P-2157) - process flow

Dawn,

Thank you for scheduling a conference call concerning this issue. I agree with Tim that this deserves some discussion due to the fact that we negotiated these flows with the intent to attract more salmon into the Sultan River. Although we originally wanted enough flow to also flush sediment out of the spawning gravels before the fish started to spawn, a smaller bump in flows may help to attract more fish into the system without disturbing the redds already in place.

I will not be able to participate in the conference call, but I think Abby will be available.

Have a good weekend,
Daryl

Daryl Williams
Tulalip Tribes
360-716-4632

From: Presler, Dawn [mailto:DJPresler@SNOPUD.com]
Sent: Friday, September 09, 2011 3:57 PM
To: 'Tim_Romanski@fws.gov'; Applegate, Brock A (DFW); 'Steve Fransen'
Cc: Abby Hook; Maynard, Chris (ECY); Deborah Knight - Sultan; Daryl Williams; Frank Leonetti - SnoCo; Bails, Jamie L (DFW); Whitney, Jennifer L (DFW); Jim Miller - Everett; jsklare@ci.everett.wa.us; Moore, Kim; Binkley, Keith; Loren Everest - USFS; mick.matheson@ci.sultan.wa.us; Tom O'Keefe - AW; Verhey, Peter A (DFW); Steve Fransen
Subject: RE: Jackson Hydro (P-2157) - process flow
Importance: High

Hi All,

Since there are differing opinions and Tim wants to discuss this a bit more, a conference call is in store for us to discuss. Hopefully those that are interested in this topic can call in at **9:00 a.m. on Monday Sept 12**. (I will send out the number first thing on Monday morning.) Due to the salmon ceiling that goes into effect September 15, if a special purpose flow is to occur it will need to be soon – hence the urgency of the call. Also, since ESA species are involved, Keith really would like to hear from Steve Fransen before a final “go” decision is made for the flushing/upmigration release.

Dawn

From: Tim_Romanski@fws.gov [mailto:Tim_Romanski@fws.gov]
Sent: Friday, September 09, 2011 3:16 PM
To: Applegate, Brock A (DFW)
Cc: Abby Hook - Tulalip; Maynard, Chris (ECY); Deborah Knight - Sultan; Presler, Dawn; dwilliams@tulaliptribes-nsn.gov; Frank Leonetti - SnoCo; Bails, Jamie L (DFW); Whitney, Jennifer L (DFW); Jim Miller - Everett; jsklare@ci.everett.wa.us; Moore, Kim; Binkley, Keith; Loren Everest - USFS; mick.matheson@ci.sultan.wa.us; Tom O'Keefe - AW; Verhey, Peter A (DFW); Steve Fransen
Subject: RE: Jackson Hydro (P-2157) - process flow

Before canceling flows, shouldn't we talk about the amount of water we are considering. It seems like a small bump in flows could help move fish upstream without blowing them out.

Tim Romanski
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
Washington Fish and Wildlife Office
Division of Conservation and Hydropower Planning
510 Desmond Drive SE, Lacey, WA 98503
360.753.5823 (phone) 360.753.9518 (fax)

"Applegate, Brock A (DFW)"
<Brock.Applegate@dfw.wa.gov>

09/09/2011 03:11 PM

To "Presler, Dawn" <DJPresler@SNOPUD.com>, <Tim_Romanski@fws.gov>, "Steve Fransen" <Steven.M.Fransen@noaa.gov>, "Maynard, Chris (ECY)" <cmay461@ECY.WA.GOV>, "Loren Everest - USFS" <leverest@fs.fed.us>, "Abby Hook - Tulalip" <ahook@tulaliptribes-nsn.gov>, "Frank Leonetti - SnoCo" <frank.leonetti@snoco.org>, "Deborah Knight - Sultan" <deborah.knight@ci.sultan.wa.us>, "Jim Miller - Everett" <jmiller@ci.everett.wa.us>, "Tom O'Keefe - AW" <okeefe@amwhitewater.org>
cc <dwilliams@tulaliptribes-nsn.gov>, <mick.matheson@ci.sultan.wa.us>, <jsklare@ci.everett.wa.us>, "Moore, Kim" <KDMoore@SNOPUD.com>, "Binkley, Keith" <KMBinkley@SNOPUD.com>, "Bails, Jamie L (DFW)" <Jamie.Bails@dfw.wa.gov>, "Whitney, Jennifer L (DFW)" <Jennifer.Whitney@dfw.wa.gov>, "Verhey, Peter A (DFW)" <Peter.Verhey@dfw.wa.gov>

Subject RE: Jackson Hydro (P-2157) - process flow

Hi Dawn, WDFW concurs with your cancelling of the process flows. We also feel this flow will disrupt pink salmon spawning as well, as the first big group of pink salmon are already at the confluence and will undoubtedly be teaming up the Sultan by Tuesday. We too support doing releases earlier in September next year as waiting until the middle of September can affect early spawning Chinook and pinks during the odd years.

Thanks for Keith's efforts in finding the Chinook and the PUD's communication with us and the rest of the ARC.

Sincerely, Brock

Brock Applegate
Renewable Energy Mitigation Biologist
Washington Department of Fish and Wildlife
P.O. Box 1100
111 Sherman St. (physical address)
La Conner, WA 98257-9612

(360) 466-4345 x254
(360) 789-0578 (cell)
(360) 466-0515 (fax)

From: Presler, Dawn [mailto:DJPresler@SNOPUD.com]

Sent: Friday, September 09, 2011 2:57 PM

To: 'Tim_Romanski@fws.gov'; 'Steve Fransen'; Applegate, Brock A (DFW); Maynard, Chris (ECY); 'Loren Everest - USFS'; 'Abby Hook - Tulalip'; 'Frank Leonetti - SnoCo'; 'Deborah Knight - Sultan'; 'Jim Miller - Everett'; 'Tom O'Keefe - AW'

Cc: 'dwilliams@tulaliptribes-nsn.gov'; 'mick.matheson@ci.sultan.wa.us'; 'jsklare@ci.everett.wa.us'; Moore, Kim; Binkley, Keith; Bails, Jamie L (DFW)

Subject: Jackson Hydro (P-2157) - process flow

Importance: High

Keith requested I send you an update (he's in the field). Based on his float/survey today of the Sultan River, he would like to cancel the process flow scheduled for Tuesday Sept 13. He said that Chinook were spawning in Reach 2 (redds and fish were present). The Chinook are in a bit earlier than they have been in the past. Next year, he will likely schedule it for earlier in the season (this one was scheduled later since we just got the license). Please let us know by Monday noon if you have concerns with this; otherwise, he will cancel the process flow.

Dawn

From: Presler, Dawn

Sent: Tuesday, September 06, 2011 2:43 PM

To: 'Tim_Romanski@fws.gov'; 'Steve Fransen'; 'Brock.Applegate@dfw.wa.gov'; 'Maynard, Chris (ECY)'; 'Loren Everest - USFS'; 'Abby Hook - Tulalip'; 'Frank Leonetti - SnoCo'; 'Deborah Knight - Sultan'; 'Jim Miller - Everett'; 'Tom O'Keefe - AW'

Cc: 'dwilliams@tulaliptribes-nsn.gov'; 'mick.matheson@ci.sultan.wa.us'; 'jsklare@ci.everett.wa.us'; Moore, Kim; Binkley, Keith; 'Jamie.Bails@dfw.wa.gov'

Subject: Jackson Hydro (P-2157) - new license issued

Dear ARC Members:

The FERC has issued the new license for the Jackson Hydro Project on Friday Sept 2, 2011. See attached. Based on our preliminary review, we feel that it is acceptable and will likely be recommending that our Board accept the new license. As such, we plan to start implementing the new flow regime this Friday (Sept 9) and, also along those lines, we are contemplating a flushing and upmigration process flow the following Tuesday (Sept 13) - unless we hear concerns from you.

As a reminder our next ARC meeting is scheduled for October 19. We likely will be going over the:

- new license
- updating you on the schedule for implementation
- Adaptive Management Plan
- quarterly meetings
- potential Fish Habitat Enhancement Plan projects

Sincerely,

Dawn Presler

Sr. Environmental Coordinator

Generation Resources

(425) 783-1709

PUD No. 1 of Snohomish County

PO Box 1107

Everett, WA 98206-1107

Presler, Dawn

From: Presler, Dawn
Sent: Monday, March 26, 2012 11:57 AM
To: 'Okeefe@americanwhitewater.org'; 'Jim Miller'; 'Deborah Knight - Sultan'; 'steven.m.fransen@noaa.gov'; 'Leonetti, Frank'; 'Abby Hook'; 'tim_romanski@fws.gov'; 'Loren Everest - USFS'; 'Maynard, Chris (ECY)'; 'brock.applegate@dfw.wa.gov'
Subject: Jackson - upcoming process flow event

Dear ARC,

The District has planned an April 3 process flow event to cover flushing and upmigration per our Process Flow Plan. We're anticipating a release of 500 cfs at Culmback Dam for 6 hours. It will translate into higher flows, to meet each reach's requirement, as you move down the reaches. Keith will provide you all with an update (log) shortly after the event and can answer any questions at our ARC meeting on April 18. He has already contacted the miners letting them know of the event.

Have a great week!

Dawn Presler

Sr. Environmental Coordinator
Generation Resources
(425) 783-1709

PUD No. 1 of Snohomish County
PO Box 1107
Everett, WA 98206-1107

Presler, Dawn

From: Presler, Dawn
Sent: Wednesday, August 15, 2012 11:24 AM
To: 'Steven Fransen'; 'tim_romanski@fws.gov'; 'Leonetti, Frank'; 'Loren Everest - USFS'; 'Thomas O'Keefe'; 'brock.applegate@dfw.wa.gov'; 'Maynard, Chris (ECY)'; 'mick.matheson@ci.sultan.wa.us'; 'Anne Savery'; 'Jim Miller'
Cc: Binkley, Keith; Moore, Kim
Subject: ARC - draft OCMP for your 30-day review
Attachments: OCMP Annual Report 2012.docx

Dear ARC,
Attached is the draft Operation Compliance Monitoring Plan Annual Report for your 30-day review. (It's short, sweet and to-the-point so it should be a quick review.) Please provide your comments, if any, to me by September 14, 2012. If you have no comments on the draft report, a quick email stating so would be appreciated. Thanks!

Happy sunny August!

Sincerely,
Dawn Presler
Sr. Environmental Coordinator
Generation Resources
(425) 783-1709

PUD No. 1 of Snohomish County
PO Box 1107
Everett, WA 98206-1107

Presler, Dawn

From: Maynard, Chris (ECY) [cmay461@ECY.WA.GOV]
Sent: Thursday, August 16, 2012 1:36 PM
To: Tim_Romanski@fws.gov
Cc: Presler, Dawn
Subject: RE: ARC - draft OCMP for your 30-day review

That is my assumption too; I think it would be good to reference it in the report.

From: Tim_Romanski@fws.gov [mailto:Tim_Romanski@fws.gov]
Sent: Thursday, August 16, 2012 12:37 PM
To: Maynard, Chris (ECY)
Cc: Presler, Dawn
Subject: RE: ARC - draft OCMP for your 30-day review

Chris,

I would assume rates are per the settlement agreement/ license article. Right, Dawn.

Tim Romanski
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
Washington Fish and Wildlife Office
Division of Conservation and Hydropower Planning
510 Desmond Drive SE, Lacey, WA 98503
360.753.5823 (phone) 360.753.9518 (fax)

"Maynard, Chris (ECY)" <cmay461@ECY.WA.GOV>

08/16/2012 11:31 AM

To "Presler, Dawn" <DJPresler@SNOPUD.com>, 'Steven Fransen' <steven.m.fransen@noaa.gov>, "tim_romanski@fws.gov" <tim_romanski@fws.gov>, "Leonetti, Frank" <frank.leonetti@snoco.org>, 'Loren Everest - USFS' <leverest@fs.fed.us>, 'Thomas O'Keefe' <okeefe@americanwhitewater.org>, "Applegate, Brock A (DFW)" <Brock.Applegate@dfw.wa.gov>, "mick.matheson@ci.sultan.wa.us" <mick.matheson@ci.sultan.wa.us>, "Anne Savery" <asavery@tulaliptribes-nsn.gov>, 'Jim Miller' <JMiller@ci.everett.wa.us>
cc "Binkley, Keith" <KMBinkley@SNOPUD.com>, "Moore, Kim" <KDMoore@SNOPUD.com>

Subject RE: ARC - draft OCMP for your 30-day review

Dawn,

I suggest adding some description about downramping rates as the process flows are turned off. Timing, expected rates, and observed rates.

Chris

From: Presler, Dawn [mailto:DJPresler@SNOPUD.com]
Sent: Wednesday, August 15, 2012 11:24 AM
To: 'Steven Fransen'; 'tim_romanski@fws.gov'; 'Leonetti, Frank'; 'Loren Everest - USFS'; 'Thomas O'Keefe'; Applegate, Brock A (DFW); Maynard, Chris (ECY); 'mick.matheson@ci.sultan.wa.us'; 'Anne Savery'; 'Jim Miller'
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Happy sunny August!

Sincerely,

Dawn Presler

Sr. Environmental Coordinator

Generation Resources

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PUD No. 1 of Snohomish County

PO Box 1107

Everett, WA 98206-1107

Presler, Dawn

From: Anne Savery [asavery@tulaliptribes-nsn.gov]
Sent: Thursday, August 16, 2012 12:34 PM
To: Maynard, Chris (ECY); Presler, Dawn; Steven Fransen; tim_romanski@fws.gov; Leonetti, Frank; Loren Everest - USFS; Thomas O'Keefe; Applegate, Brock A (DFW); mick.matheson@ci.sultan.wa.us; Jim Miller
Cc: Binkley, Keith; Moore, Kim
Subject: RE: ARC - draft OCMP for your 30-day review

Would it be possible to add the number of inches of precipitation that occurred during the preceding day, as well as day of the event to table 1? In the interest of the migration flows being cued by a natural precip. event.

Anne Savery
Consulting Hydrologist
Tulalip Tribes of Washington
503-493-1999

From: Maynard, Chris (ECY) [<mailto:cmay461@ECY.WA.GOV>]
Sent: Thu 8/16/2012 11:31 AM
To: Presler, Dawn; 'Steven Fransen'; 'tim_romanski@fws.gov'; 'Leonetti, Frank'; 'Loren Everest - USFS'; 'Thomas O'Keefe'; Applegate, Brock A (DFW); 'mick.matheson@ci.sultan.wa.us'; Anne Savery; 'Jim Miller'
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Chris

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Happy sunny August!

Sincerely,

Dawn Presler

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Generation Resources

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PO Box 1107

Everett, WA 98206-1107

Presler, Dawn

From: Applegate, Brock A (DFW) [Brock.Applegate@dfw.wa.gov]
Sent: Friday, September 14, 2012 3:54 PM
To: Presler, Dawn; 'Steven Fransen'; 'tim_romanski@fws.gov'; 'Leonetti, Frank'; 'Loren Everest - USFS'; 'Thomas O'Keefe'; Maynard, Chris (ECY); 'mick.matheson@ci.sultan.wa.us'; 'Anne Savery'; 'Jim Miller'
Cc: Binkley, Keith; Moore, Kim; Whitney, Jennifer L (DFW); Bails, Jamie L (DFW); Verhey, Peter A (DFW)
Subject: FW: ARC - draft OCMP for your 30-day review
Attachments: OCMP Annual Report 2012.docx

Hi Dawn, I have reviewed the OCMP Annual Report and I have no comments. Thanks for the opportunity to make comments.

Sincerely, Brock

Brock Applegate
Major Projects Mitigation Biologist
Washington Department of Fish and Wildlife
16018 Mill Creek Boulevard
Mill Creek, WA 98012-1541

(425) 775-1311 x310
(360) 789-0578 (cell)
(425) 338-1066 (fax)

From: Presler, Dawn [<mailto:DJPresler@SNOPUD.com>]
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Happy sunny August!

Sincerely,
Dawn Presler
Sr. Environmental Coordinator
Generation Resources
(425) 783-1709

PUD No. 1 of Snohomish County
PO Box 1107
Everett, WA 98206-1107

Presler, Dawn

From: Leonetti, Frank [frank.leonetti@snoco.org]
Sent: Monday, September 17, 2012 8:49 AM
To: Presler, Dawn; 'Steven Fransen'; 'tim_romanski@fws.gov'; 'Loren Everest - USFS'; 'Thomas O'Keefe'; 'brock.applegate@dfw.wa.gov'; 'Maynard, Chris (ECY)'; 'mick.matheson@ci.sultan.wa.us'; 'Anne Savery'; 'Jim Miller'
Cc: Binkley, Keith; Moore, Kim
Subject: RE: ARC - draft OCMP for your 30-day review

Hi Dawn, thanks for the opportunity to review the OCMP. I don't have any comments. –Frank

Frank Leonetti / Senior Habitat Specialist

Snohomish County Public Works / Surface Water Management
3000 Rockefeller Ave., MS 607 / Everett WA 98201-4046
Voice 425 388-3464 x4249 / FAX 425 388-6455
frank.leonetti@co.snohomish.wa.us

NOTICE: All emails, and attachments, sent to and from Snohomish County are public records and may be subject to disclosure pursuant to the Public Records Act ([RCW 42.56](#)).

From: Presler, Dawn [<mailto:DJPresler@SNOPUD.com>]
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Happy sunny August!

Sincerely,
Dawn Presler
Sr. Environmental Coordinator
Generation Resources
(425) 783-1709

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PO Box 1107
Everett, WA 98206-1107

Appendix 3

Response to Comments on Draft Report

No.	Comment	Response by District
1	<p>Washington Department of Ecology, email dated 8/16/2012:</p> <p>I suggest adding some description about downramping rates as the process flows are turned off. Timing, expected rates, and observed rates.</p>	<p>This information is not a requirement of the OCMP annual report. However, the District added statement that process flows were followed up with License required downramping.</p>
2	<p>Tulalip Tribes, email dated 8/16/2012:</p> <p>Would it be possible to add the number of inches of precipitation that occurred during the preceding day, as well as day of the event to table 1? In the interest of the migration flows being cued by a natural precip. event.</p>	<p>This information is not a requirement of the PF log nor the OCMP annual report. Precipitation data is available on the District's web site at http://www.snopud.com/PowerSupply/hydro/jhp/jhpsultanriver.ashx?p=1505</p>