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June 8, 2012

VIA ELECTRONIC FILING

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission (FERC)
888 First Street NE
Washington, DC 20426

**Re: Jackson Hydroelectric Project, FERC No. P-2157
License Article 410: Fisheries and Habitat Monitoring Plan – 2011 Annual Report**

Dear Secretary Bose:

The Public Utility District No. 1 of Snohomish County is filing its Fisheries and Habitat Monitoring Plan – 2011 Annual Report for the Jackson Hydroelectric Project. This annual report is a requirement under License Article 410.

If you have any questions regarding the contents of the enclosed report, please do not hesitate to contact Keith Binkley (Manager Natural Resources) at KMBinkley@snopud.com or (425) 783-1769.

Sincerely,

A handwritten signature in black ink, appearing to read "KIM D. MOORE".

Kim D. Moore, P.E.
Assistant General Manager of Generation, Water, and Corporate Services
KDMoore@snopud.com
(425) 783-8606

Enclosed: Fisheries and Habitat Monitoring Plan – 2011 Annual Report

cc: Aquatic Resources Committee
 Keith Binkley, District

Henry M. Jackson Hydroelectric Project

(FERC No. 2157)



License Article 410: Fisheries and Habitat Monitoring Plan – 2011 Annual Report



Everett, WA

June 2012

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1. INTRODUCTION

The Public Utility District No. 1 of Snohomish County (District) received a license on September 2, 2011 (License) from the Federal Energy Regulatory Commission (FERC) for the Henry M. Jackson Hydroelectric Project (Project). License Article 410 approved the Fisheries and Habitat Monitoring Plan (FHM Plan) filed with the FERC on September 2, 2010, with modification. Per Section 4.1 of the FHM Plan, the District is to prepare a report by June 30 of each year detailing the monitoring efforts of the previous calendar year.

This FHM Plan Annual Report covers activities conducted in calendar year 2011. Appendix A shows graphical data, Appendix B shows tabular data, and Appendix C shows seven-day average of the daily maximum water temperature in tabular format. This Annual Report was provided to the Aquatic Resources Committee (ARC) [consisting of the City of Everett, City of Sultan, Snohomish County, Washington Department of Ecology, Washington Department of Fish and Wildlife (WDFW), Tulalip Tribes, U.S. Forest Service, National Marine Fisheries Service, U.S. Fish and Wildlife Service and American Whitewater] for a 30-day review and comment period. Consultation documentation is included in Appendix D; no written comments requested changes to the draft FHM Plan Annual Report.

2. MONITORING OF FISH HABITAT IN THE SULTAN RIVER

2.1. Riverine Habitat Monitoring

No formal monitoring of aquatic habitat conditions in the lower Sultan River (downstream of river mile (RM) 2.7 occurred in 2011. Informal surveys indicate that the baseline survey conducted in 2008 by Stillwater Sciences continues to accurately reflect habitat conditions in the lower Sultan River. The Stillwater Sciences survey will also define habitat conditions prior to implementation of the Side Channel Enhancement and Placement of Large Woody Debris Plan.

As articulated in the FHM Plan, the District is prepared to conduct a habitat survey after a high flow event or other major event causing changes in habitat conditions.

2.2. Water Temperature Monitoring

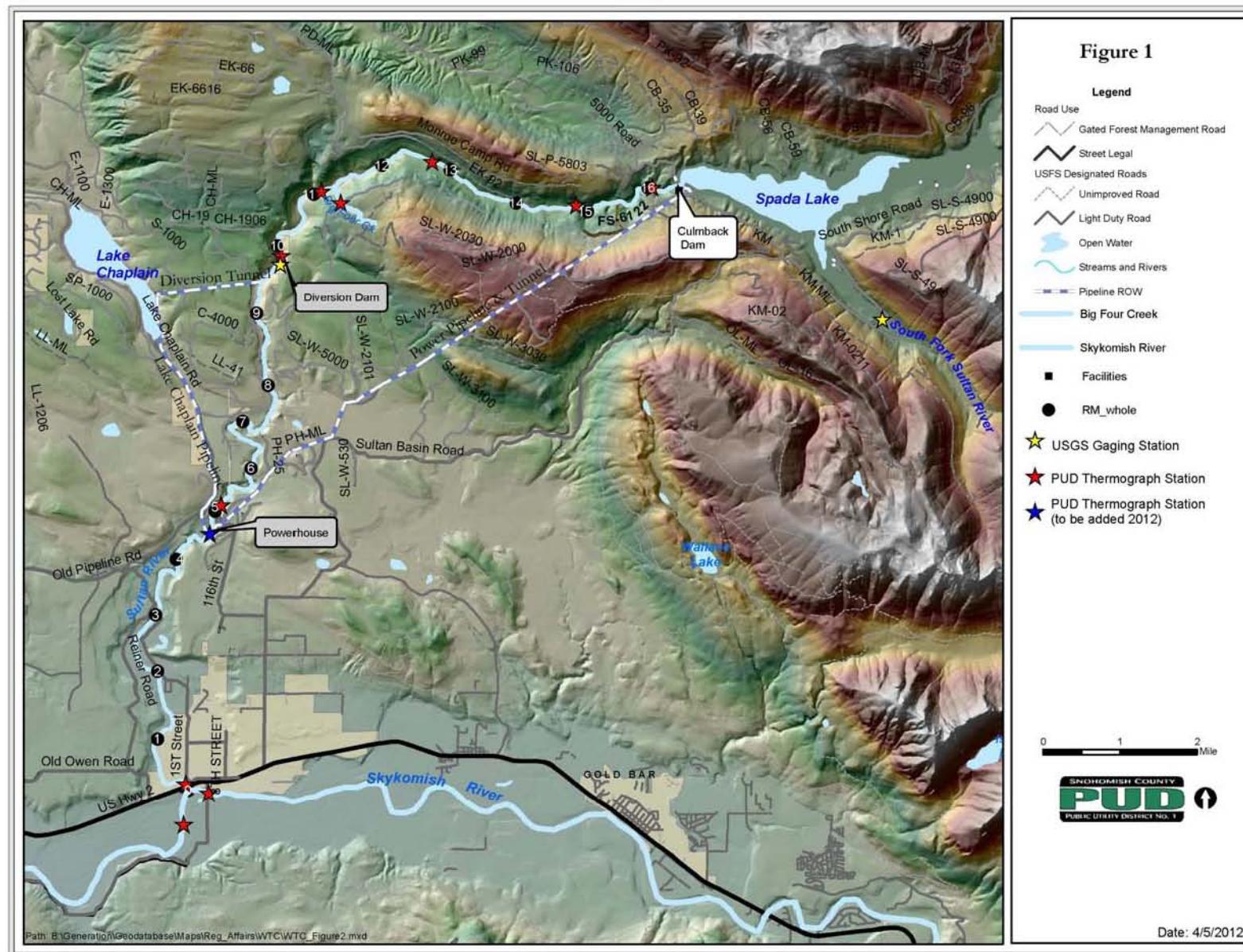
Water temperature was continuously monitored at 13 locations with the Project area during 2011 (Figure 1). Monitoring at 10 of these locations was conducted by the District. The remaining monitoring was conducted by the U.S. Geological Survey (USGS) through a cooperative agreement. These locations, in order from upstream to downstream, include:

- South Fork Sultan River, upstream of Culmback Dam, near river mile (RM) 18.2 (USGS Gage No. 12137290);
- Sultan River, within the bypass reach immediately downstream of Culmback Dam, at RM 15.8;
- Sultan River, within the bypass reach, near RM 14.3;

- Sultan River, within the bypass reach, near RM 12.8;
- Sultan River, within the bypass reach, near RM 11.3;
- Big Four Creek, tributary to Sultan River, near RM 11.3;
- Sultan River, within the bypass reach immediately upstream of the Diversion Dam, near RM 9.8;
- Sultan River, immediately downstream of the Diversion Dam, near RM 9.6 (USGS Gage No. 12137800);
- Sultan River, upstream of the Powerhouse, near RM 4.9;
- Sultan River, downstream of the Powerhouse, near RM 4.4,
- Sultan River, near the confluence with the Skykomish River, at RM 0.2;
- Skykomish River, upstream of the confluence with the Sultan River, at RM 14.1; and
- Skykomish River, downstream of the confluence with the Sultan River, at RM 13.2.

Water temperature monitoring at Sultan River RM 14.3, 12.8 and 11.3, are part of the Water Temperature Conditioning Plan monitoring sites; the others are requirements under the FHM Plan.

In general, water temperatures observed during 2011 were consistent with those collected during 2008 and 2009 by CH2M Hill and presented in the Water Quality Final Technical Report (CH2M Hill, 2009). No exceedences of state water temperature criteria were documented during 2011. Figures depicting water temperatures during 2011 are presented in Appendix A. A tabulation of all mean daily temperature data for 2011 is presented in Appendix B. The seven-day average of the daily maximum temperature (7-DAD Max) is presented in Appendix C. Data gaps are attributed to malfunctioning or lost equipment.

**Figure 1.** Locations of water temperature monitoring.

3. MONITORING OF FISH POPULATIONS IN THE SULTAN RIVER

3.1. Spawner Abundance, Distribution, and Timing in the Sultan River

In the Sultan River, steelhead and salmon escapement surveys are conducted during the spring and fall, respectively. These surveys are conducted, as conditions allow, within four index areas located downstream of the Diversion Dam (RM 9.7) (Figure 2). During 2011, both the spring and fall surveys were hindered by turbid conditions. A limited number of late spring surveys were used to develop a rough escapement estimate of 56 steelhead based on the observation of 35 redds. Similarly, limited surveys and historic information were used to develop a rough estimate of Chinook escapement. This estimate of 50 Chinook salmon was developed cooperatively with WDFW; however, the confidence in this estimate is low. Conditions during 2011 were insufficient to generate estimates of chum and pink salmon escapement. Future surveys, as viewing conditions allow, and analysis of trends will serve to better document escapement estimates.

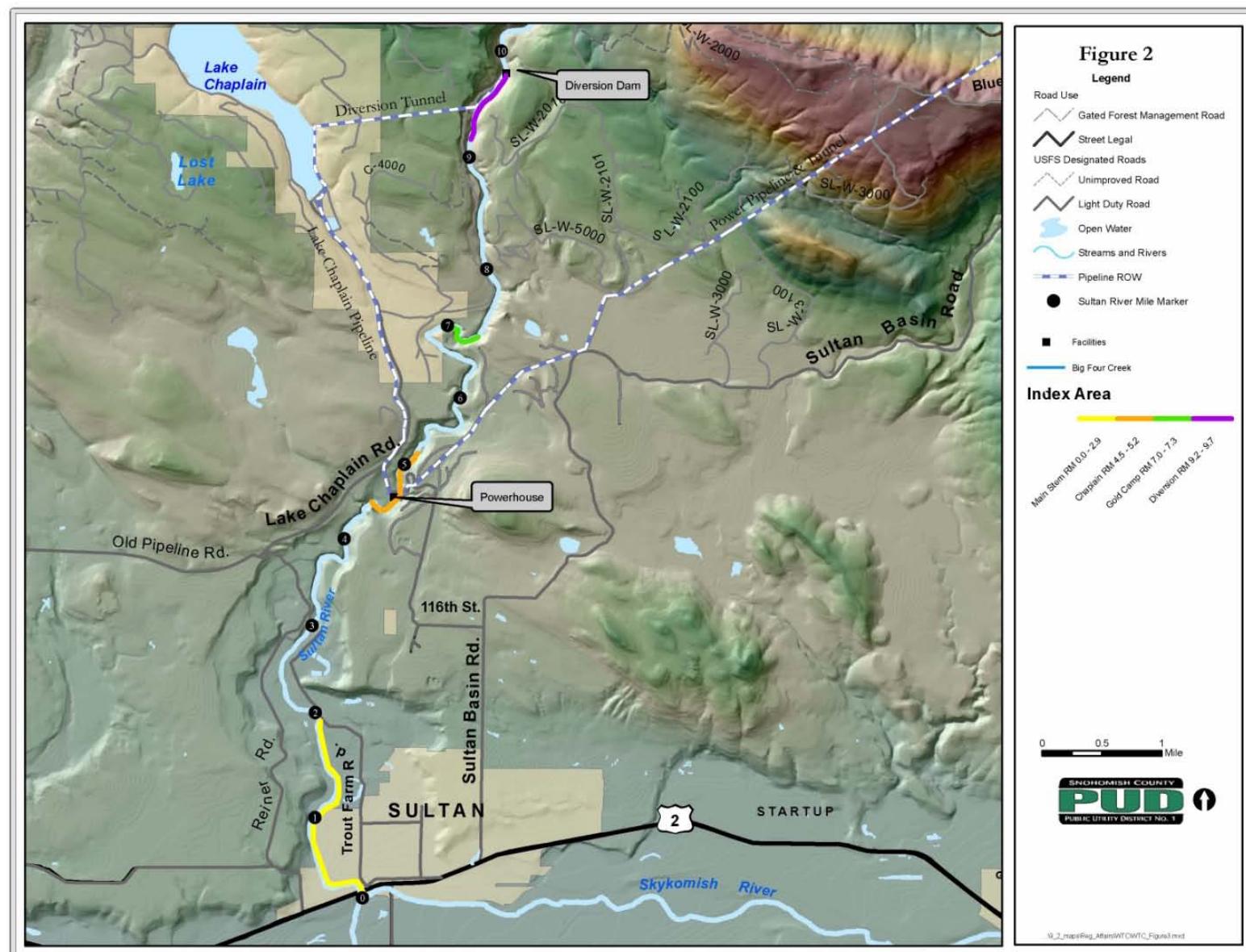


Figure 2. Locations of steelhead and salmon escapement surveys.

3.2. Flow Ceiling, Implemented for Chinook Salmon

A flow ceiling of 550 cfs is implemented annually between September 15 and October 15 in the reach of the Sultan River downstream of the Powerhouse (RM 4.7). This ceiling ensures that areas used by spawning Chinook salmon remain wetted through incubation and emergence should flows from the project approach the minimum instream flow of 300 cfs. Mean daily discharge downstream of the Powerhouse averaged 306 cfs during the period when the majority of Chinook spawning occurs and were well below the 550 cfs ceiling (Figure 3).

During 2011, no deviations of the flow ceiling and no documented redd dewatering occurred. Therefore, no corrective actions are proposed.

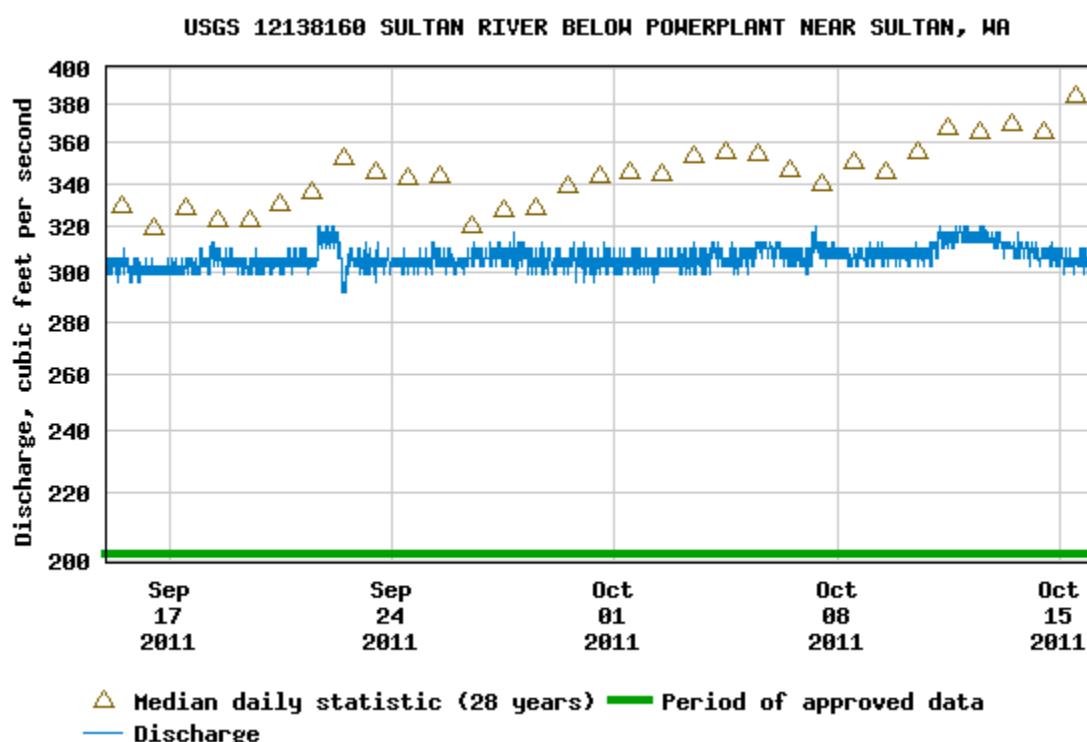


Figure 3. Mean Daily Discharge in the Sultan River downstream of the Powerhouse.

3.3. Juvenile Production in the Sultan River

Smolt trap operation did not occur in 2011.

The first efforts to estimate juvenile production in the Sultan River were initiated on February 1, 2012. A five-foot diameter rotary screw trap operation was established in the Sultan River near RM 0.2, just upstream of the confluence with the Skykomish River. Sampling will continue until June 30. The results of the 2012 sampling season will be presented in the 2012 FHM Plan Annual Report.

4. SIDE CHANNEL MAINTENANCE AND MONITORING

Construction of the side channel enhancement and placement of large woody debris is tentatively scheduled to occur in 2012 but is contingent on obtaining final permits and easements. Maintenance and monitoring will be initiated after the construction of this protection, mitigation and enhancement measure is completed.

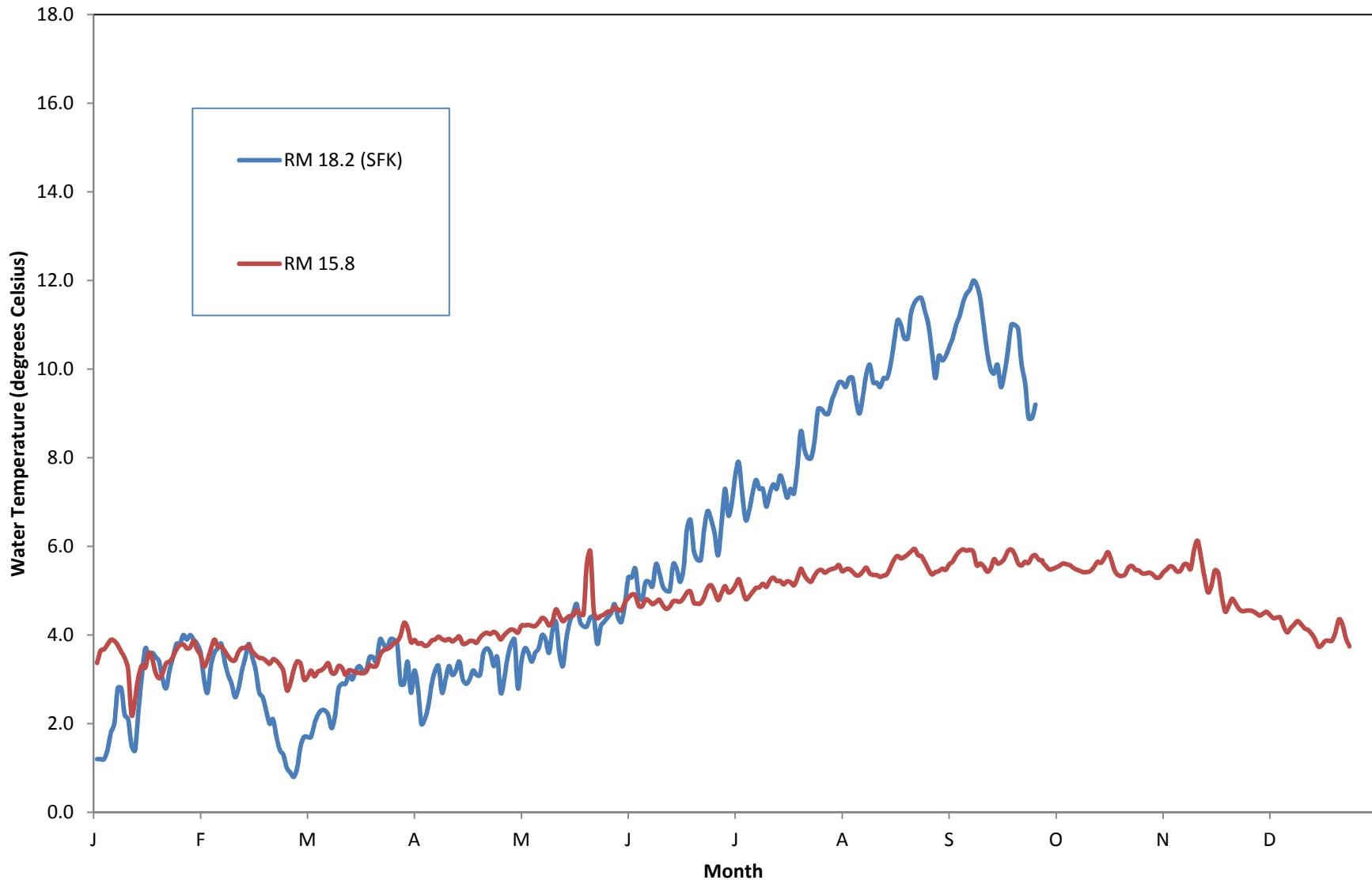
5. FUTURE MONITORING

The 2012 calendar year will mark the first full calendar year under the new license. Monitoring methodologies for 2012 will be consistent with that identified in the FHM Plan. Monitoring of physical habitat and water quality conditions will continue. Monitoring of physical habitat will address changes in the lower Sultan River tied to the large scale side channel enhancement project and placement of engineered log jams when construction is completed. Monitoring of steelhead spawning is currently being conducted. Monitoring of salmon spawning in the fall will occur with the intent to obtain a solid estimate of escapement. The first year of outmigration monitoring, including response to process flow releases, has been successful thus far; the results will inform future sampling efforts.

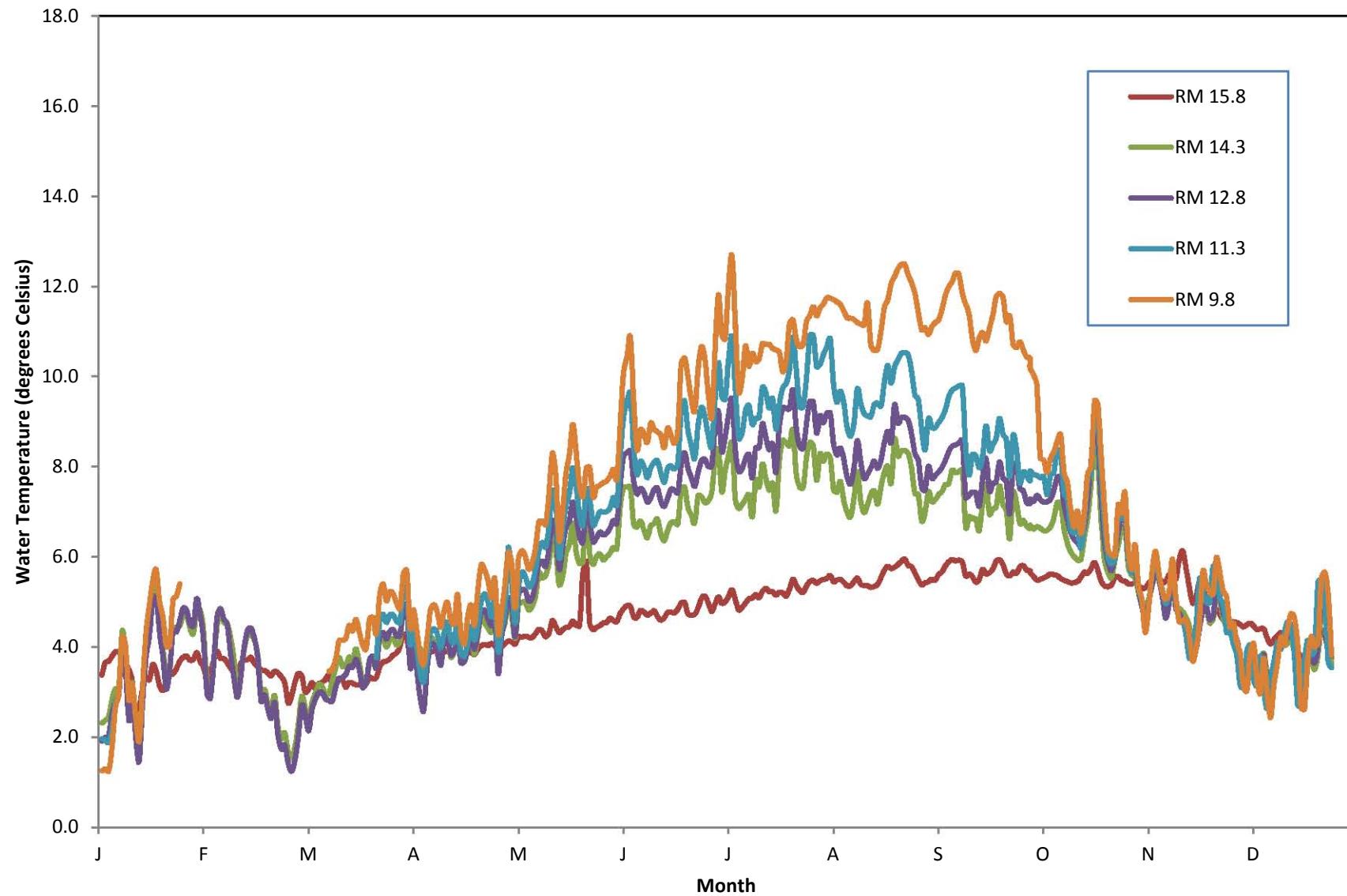
APPENDIX A

2011 Water Temperature Figures

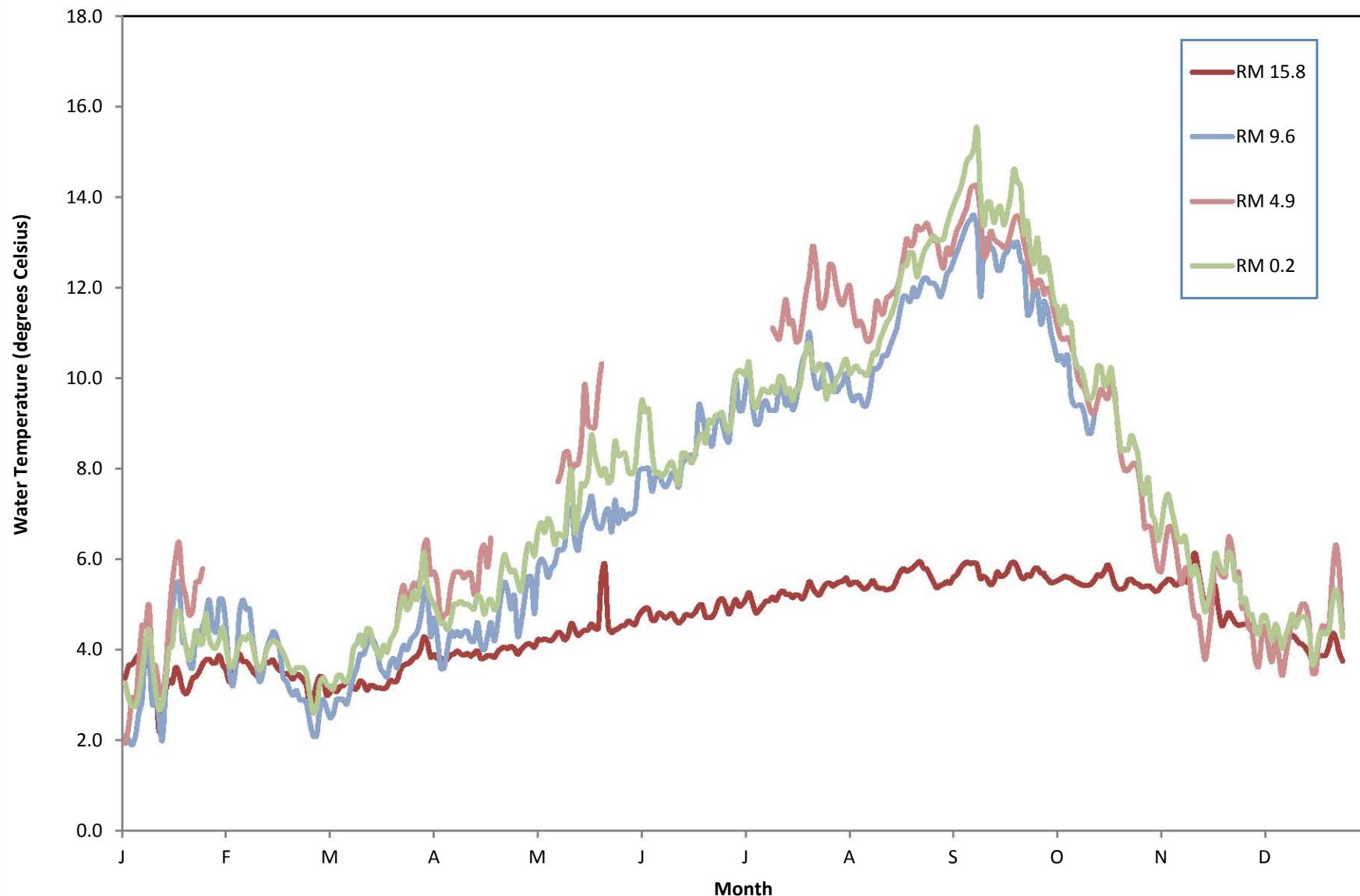
**Figure A-1. Mean Daily Water Temperature in the South Fork Sultan River,
upstream of Culmback Dam (RM 18.2), and in the mainstem Sultan River
immediately downstream of Culmback Dam (RM 15.8) during 2011**



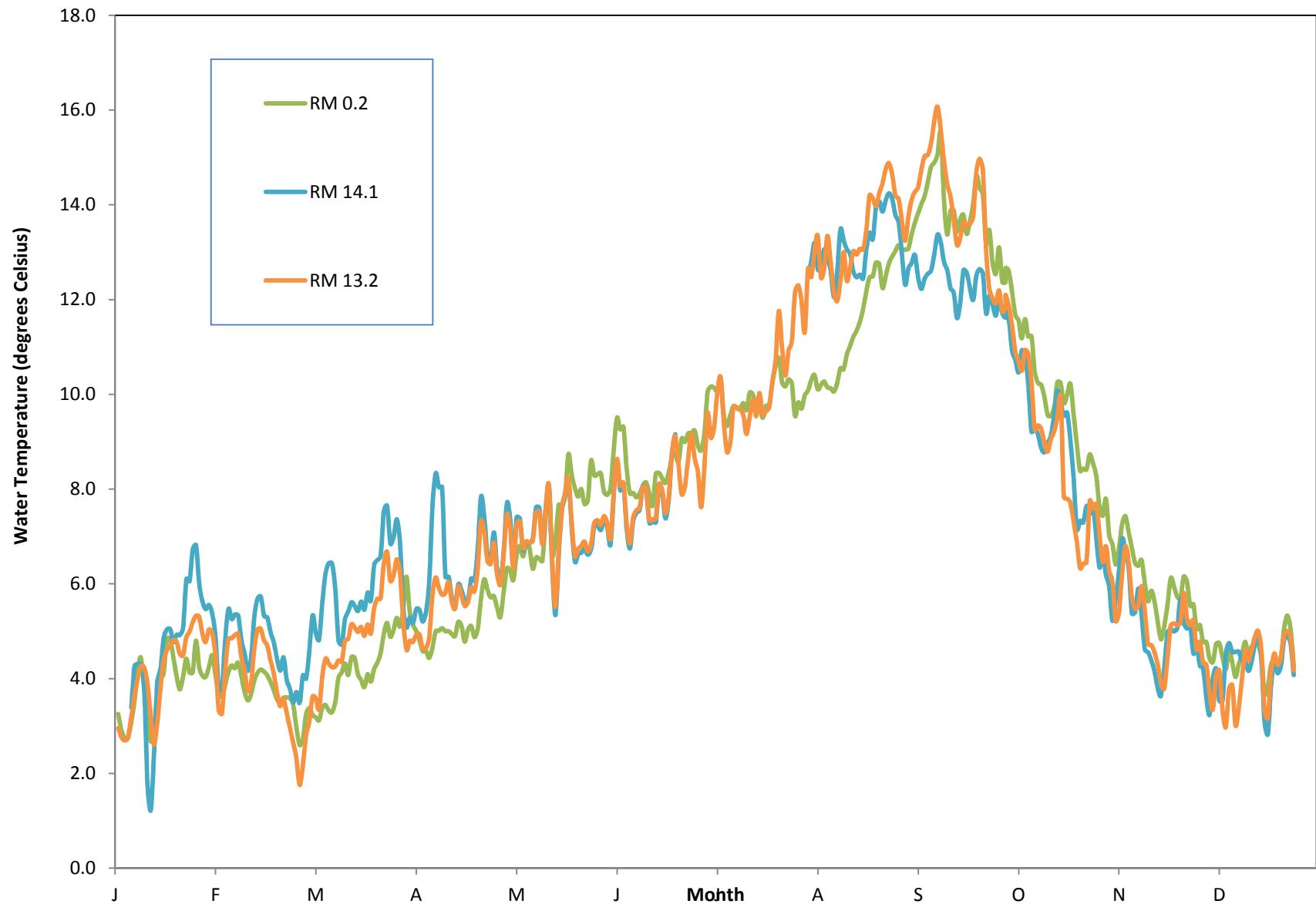
**Figure A-2. Mean Daily Water Temperature in the Bypass Reach
(Reach 3) of the Sultan River during 2011**



**Figure A-3. Longitudinal Depiction of Mean Daily Water Temperature,
Sultan River downstream of Culmback Dam, 2011**



**Figure A-4. Mean Daily Water Temperature
near confluence of Sultan and Skykomish rivers, 2011**



APPENDIX B

2011 Mean Daily Water Temperature Data in Tabular Format

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2				RM 14.1	RM 13.2
1/1	1.2	3.4	2.3	1.9	2.0	1.2	2.1	1.9	2.9	3.3	1.8			3.0	
1/2	1.2	3.6	2.4	2.0	1.9	1.3	2.0	2.3	2.6	2.9	1.9			2.8	
1/3	1.2	3.7	2.4	2.0	1.9	1.2	1.9	2.9	2.5	2.8	1.9			2.7	
1/4	1.4	3.8	2.8	2.5	2.2	1.8	2.1	2.8	2.4	2.8	2.2			2.8	
1/5	1.8	3.9	3.1	2.8	2.8	2.7	2.6	3.7	2.7	3.1	2.7		3.4	3.2	
1/6	2.0	3.9	3.1	2.9		3.0	2.9	4.5	3.0	3.5			4.3	3.6	
1/7	2.8	3.8	4.3	4.0		4.2	4.1	4.5	3.9	4.2			4.3	4.0	
1/8	2.8	3.6	3.8	3.5		4.0	3.9	5.0	4.0	4.4			4.3	4.3	
1/9	2.2	3.5	3.0	2.4		2.8	2.8	3.7	3.2	3.8			3.8	4.2	
1/10	2.1	3.2	3.2	2.8		3.2	3.1	3.6	2.7	3.1			1.7	3.9	
1/11	1.5	2.2	2.2	2.0		2.4	2.5	3.2	2.4	2.7			1.2	3.2	
1/12	1.4	2.5	1.7	1.5		1.9	2.0	3.0	2.4	2.8			2.4	2.6	
1/13	2.3	3.1	2.9	2.8		3.1	3.1	3.5	2.8	3.3			3.9	3.0	
1/14	3.1	3.3	3.8	3.8		4.3	4.2	4.6	3.8	4.0			4.2	3.8	
1/15	3.7	3.3	4.3	4.2		4.9	4.9	5.5	3.7	4.1			4.9	4.4	
1/16	3.5	3.6	5.0	5.0		5.5	5.4	6.1	4.9	4.8			5.0	4.6	
1/17	3.6	3.5	5.4	5.1		5.7	5.5	6.4	4.7	4.8			5.0	4.7	
1/18	3.5	3.1	4.5	4.3		5.0	4.2	5.5	4.1	4.5			4.8	4.8	
1/19	3.4	3.0	4.0	3.8		4.7	4.1	5.2	3.6	4.1			4.9	4.8	
1/20	3.0	3.1	3.4	3.1		4.0	3.7	4.8	3.4	3.8			4.9	4.5	
1/21	2.8	3.4	3.4	3.5		4.0	3.6	4.8	3.7	4.0			5.1	4.5	
1/22	3.2	3.4	4.4	4.4		5.0	4.3	5.5	4.0	4.4			6.1	4.9	
1/23	3.5	3.5	4.4	4.3		5.1	4.4	5.5	3.7	4.1			6.1	5.0	
1/24	3.8	3.7	4.5	4.6		5.4	4.5	5.8	3.7	4.1			6.7	5.2	
1/25	3.8	3.8	4.7	4.9			4.8		3.9	4.8			6.8	5.3	
1/26	4.0	3.8	4.7	4.8			5.1		3.9	4.2			6.0	5.3	
1/27	3.9	3.7	4.4	4.5			4.5		3.7	4.1			5.6	4.9	
1/28	4.0	3.7	4.3	4.5			4.4		3.7	4.0			5.5	4.8	
1/29	3.9	3.9	4.8	5.1			5.1		4.0	4.2			5.6	5.0	
1/30	3.8	3.7	4.8	4.7			5.1		4.2	4.5			5.4	5.0	
1/31	3.6	3.5	4.4	4.2			4.5		3.8	4.1			4.9	4.5	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

DATE	(SFK)	Sultan River										Big Four Creek		Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2			RM 14.1	RM 13.2
2/1	3.0	3.3	3.2	3.0				3.5		3.4	3.7			3.8	3.3
2/2	2.7	3.4	3.0	2.9				3.2		3.3	3.6			3.8	3.3
2/3	3.3	3.7	3.7	3.6				3.7		3.5	3.9			4.8	4.2
2/4	3.6	3.9	4.5	4.7				4.8		3.8	4.1			5.5	4.8
2/5	3.7	3.7	4.8	4.8				5.1		3.9	4.3			5.3	4.8
2/6	3.8	3.7	4.5	4.6				4.9		3.9	4.2			5.4	4.9
2/7	3.4	3.6	4.5	4.5				4.9		4.0	4.3			5.3	4.9
2/8	3.1	3.5	4.2	3.8				4.2		3.7	4.1			4.8	4.5
2/9	2.9	3.4	3.7	3.3				3.7		3.4	3.7			4.5	4.2
2/10	2.6	3.4	3.1	2.9				3.3		3.2	3.5			4.2	3.7
2/11	2.8	3.6	3.4	3.3				3.5		3.3	3.7			4.4	3.9
2/12	3.2	3.7	3.9	4.0				4.0		3.6	4.0			5.3	4.6
2/13	3.5	3.7	4.3	4.4				4.2		3.7	4.1			5.7	5.0
2/14	3.8	3.8	4.3	4.4				4.4		3.8	4.2			5.7	5.1
2/15	3.5	3.6	4.2	4.2				4.3		3.8	4.1			5.3	4.8
2/16	3.2	3.5	3.8	3.8				4.0		3.7	4.1			5.3	4.7
2/17	2.7	3.5	3.0	2.8				3.4		3.5	3.9			5.0	4.4
2/18	2.6	3.5	3.1	2.9				3.3		3.4	3.8			4.8	4.1
2/19	2.3	3.4	2.8	2.6				3.1		3.2	3.6			4.4	3.7
2/20	2.0	3.4	2.6	2.4				3.0		3.2	3.5			4.2	3.4
2/21	2.1	3.5	2.9	2.8				3.1		3.2	3.6			4.4	3.6
2/22	1.7	3.4	2.2	2.0				2.9		3.3	3.6			4.0	3.3
2/23	1.4	3.3	2.0	1.7				2.9		3.2	3.6			3.8	3.0
2/24	1.3	3.2	2.1	1.8				2.8		3.1	3.5			3.5	2.6
2/25	1.0	2.8	1.7	1.4				2.4		2.7	3.0			3.7	2.3
2/26	0.9	2.9	1.5	1.2				2.1		2.3	2.6			3.5	1.8
2/27	0.8	3.2	1.8	1.5				2.1		2.3	2.7			4.1	2.2
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3/2	1.7	3.0	2.6	2.5			2.7		2.8	3.2		5.3	3.6	
3/3	1.7	3.1	2.3	2.1			2.5		2.7	3.2		5.0	3.6	
3/4	1.7	3.2	2.8	2.6			2.6		2.6	3.1		4.8	3.4	
3/5	2.0	3.1	3.0	2.8			2.9		2.8	3.4		5.6	4.0	
3/6	2.2	3.2	3.2	3.0			2.9		2.9	3.4		6.2	4.4	
3/7	2.3	3.2	3.1	3.0			2.9		2.9	3.3		6.4	4.3	
3/8	2.3	3.3	2.9	2.8			2.8		2.8	3.3		6.4	4.2	
3/9	2.2	3.4	3.0	2.8		3.5	3.1		3.0	3.5		5.9	4.3	
3/10	1.9	3.2	3.2	2.8		3.5	3.4		3.5	4.0		4.8	4.4	
3/11	2.2	3.1	3.5	3.1		3.7	3.6		3.7	4.1		4.7	4.4	
3/12	2.8	3.3	3.8	3.3		4.1	3.9		3.9	4.3		5.3	4.8	
3/13	2.9	3.3	3.6	3.3		4.1	3.9		3.7	4.1		5.4	4.8	
3/14	2.9	3.1	3.6	3.4		4.2	4.1		4.1	4.4		5.6	5.1	
3/15	3.1	3.2	3.8	3.6		4.5	4.3		4.1	4.4		5.5	5.1	
3/16	3.0	3.2	3.7	3.5		4.4	4.2		3.8	4.1		5.4	5.0	
3/17	3.2	3.2	4.0	3.7		4.6	4.0		3.7	4.0		5.6	5.1	
3/18	3.3	3.1	3.6	3.5		4.3	3.6		3.6	3.8		5.5	4.9	
3/19	3.2	3.1	3.2	3.1		4.0	3.5		3.8	4.1		5.8	5.1	
3/20	3.2	3.2	3.2	3.2		3.9	3.4		3.7	3.9		5.6	5.0	
3/21	3.5	3.3	3.6	3.7		4.6	3.7		3.7	4.2		6.4	5.5	
3/22	3.5	3.3	3.7	3.8		4.7	3.8		3.9	4.3		6.5	5.7	
3/23	3.4	3.3	3.6	3.5	3.8	4.3	3.6	4.6	3.9	4.5		6.6	5.7	
3/24	3.9	3.5	4.2	4.3	4.6	5.1	3.9	5.1	4.3	4.9		7.5	6.4	
3/25	3.8	3.7	4.2	4.3	4.7	5.4	4.1	5.4	4.5	5.2		7.6	6.7	
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3/27	3.9	3.7	4.1	4.3	4.7	5.2	4.2	5.2	4.4	5.0		7.0	6.2	
3/28	3.9	3.8	4.2	4.4	4.7	5.2	4.3	5.5	4.6	5.3		7.4	6.5	
3/29	3.8	3.9	4.0	4.2	4.6	5.0	4.4	5.4	4.5	5.1		6.9	6.2	
3/30	2.9	4.0	4.1	4.2	4.5	4.9	4.7	5.6	5.1	5.5		5.5	5.2	
3/31	2.9	4.3	4.9	4.9	5.3	5.6	5.2	6.3	5.8	6.2		5.1	4.6	

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4/2	2.7	3.8	4.0	3.5	4.1	4.4	4.3	5.7	4.8	5.1				5.2	4.8
4/3	3.2	3.9	4.2	4.0	4.4	4.8	4.7	5.7	4.6	5.0				5.5	4.9
4/4	2.8	3.8	4.0	3.5	3.9	4.3	4.3	5.5	4.5	4.8				5.4	4.9
4/5	2.0	3.8	4.0	2.8	3.4	3.8	3.6	4.7	4.2	4.6				5.2	4.6
4/6	2.1	3.8	3.4	2.6	3.2	3.6	3.6	4.8	4.1	4.6				5.4	4.6
4/7	2.4	3.8	4.0	3.5	3.8	4.2	4.0	4.8	4.0	4.4				6.1	4.9
4/8	2.9	3.9	4.2	4.1	4.3	4.8	4.4	5.4	4.3	4.6				7.6	5.7
4/9	3.2	3.9	4.1	4.1	4.4	4.9	4.3	5.7	4.8	5.0				8.3	6.1
4/10	3.3	4.0	3.9	3.9	4.3	4.8	4.4	5.7	4.8	5.0				8.0	5.9
4/11	2.7	3.9	3.8	3.6	4.0	4.4	4.3	5.7	4.8	5.1				8.0	5.8
4/12	3.0	3.9	4.2	4.1	4.3	4.8	4.4	5.6	4.7	5.0				6.1	5.8
4/13	3.3	3.9	4.2	4.3	4.6	5.0	4.4	5.7	4.8	5.0				6.1	6.0
4/14	3.1	3.9	3.8	3.8	4.2	4.6	4.2	5.7	4.6	4.9				5.7	5.6
4/15	3.2	3.9	3.9	3.9	4.1	4.5	4.2	5.2	4.6	4.9				5.5	5.5
4/16	3.4	4.0	4.2	4.3	4.6	5.2	4.6	5.3	5.0	5.2				6.0	5.9
4/17	3.0	3.8	3.7	3.6	3.9	4.3	4.1	6.2	4.6	5.1				5.9	5.7
4/18	2.9	3.8	3.7	3.7	3.8	4.1	4.0	6.3	4.3	4.8				5.7	5.5
4/19	3.0	3.9	4.0	4.0	4.1	4.7	4.3	5.8	4.5	5.0				5.7	5.6
4/20	3.2	3.9	4.2	4.3	4.5	4.9	4.6	6.5	4.7	5.1				6.1	5.9
4/21	3.1	3.8	3.8	3.9	4.1	4.5	4.2		4.4	4.9				6.1	5.8
4/22	3.1	3.9	4.3	4.3	4.5	5.3	4.6		4.6	5.0				6.8	6.3
4/23	3.6	4.0	4.7	4.8	5.0	5.8	5.2		5.2	5.7				7.8	7.3
4/24	3.7	4.1	4.5	4.8	5.2	5.7	5.5		5.6	6.1				7.4	7.1
4/25	3.6	4.0	4.4	4.6	5.0	5.5	5.3		5.4	5.9				6.6	6.5
4/26	3.3	4.1	4.3	4.5	4.7	5.1	4.9		5.1	5.7				6.5	6.4
4/27	3.5	4.0	4.5	4.6	5.0	5.5	5.2		5.3	5.7				7.1	6.9
4/28	2.7	3.9	3.5	3.4	3.9	4.3	4.3		4.8	5.5				6.3	6.2
4/29	3.0	4.0	4.2	4.2	4.4	4.8	4.6		4.9	5.3				6.1	6.0
4/30	3.5	4.1	4.5	4.7	4.9	5.4	5.1		5.5	5.8				6.7	6.6

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2				RM 14.1	RM 13.2
5/1	3.8	4.1	5.0	5.1	6.2	6.1	5.6		5.8	6.3			7.7	7.5	
5/2	3.9	4.1	4.7	4.9	5.4	5.8	5.6		5.8	6.3			7.4	7.2	
5/3	2.8	4.1	4.2	4.2	4.5	4.9	4.8		5.5	6.1			6.4	6.3	
5/4	3.4	4.2	4.9	5.1	5.3	6.0	5.8		6.0	6.6			7.4	7.3	
5/5	3.7	4.2	5.0	5.3	5.7	6.1	6.0		6.2	6.8			7.4	7.3	
5/6	3.6	4.2	5.0	5.2	5.6	6.0	5.9		6.0	6.6			6.7	6.8	
5/7	3.4	4.2	4.8	5.0	5.3	5.7	5.6		6.3	6.9			6.9	6.9	
5/8	3.6	4.2	4.9	5.1	5.4	5.9	5.8		6.1	6.8			6.9	6.9	
5/9	3.7	4.3	5.1	5.4	5.7	6.2	5.9		5.8	6.3			7.0	6.9	
5/10	4.0	4.4	5.6	5.9	6.1	6.8	6.2	7.7	6.0	6.6			7.6	7.5	
5/11	3.9	4.3	5.5	5.9	6.3	6.8	6.2	7.9	6.2	6.5			7.6	7.5	
5/12	3.6	4.2	5.6	5.8	6.2	6.7	6.3	8.3	6.0	6.5			6.9	6.8	
5/13	4.1	4.3	5.9	6.2	6.7	7.4	7.1	8.4	7.1	7.4	6.1		7.6	7.6	
5/14	4.3	4.6	6.4	6.8	7.5	8.3	7.1	8.0	7.3	8.0	6.7		8.0	8.1	
5/15	3.6	4.4	6.1	6.7	7.2	7.8	6.4	8.1	6.6	6.6	6.7		6.4	6.5	
5/16	3.3	4.3	5.4	5.7	6.0	6.4	6.2	8.1	6.3	6.9	6.0		5.3	5.5	
5/17	3.9	4.4	5.6	6.2	6.6	7.0	6.7	8.6	7.0	7.7	6.1		6.6	6.7	
5/18	4.3	4.4	6.1	6.7	7.1	7.8	6.9	9.9	7.1	7.6	6.3		7.6	7.6	
5/19	4.5	4.4	6.3	6.8	7.4	8.3	7.1	9.0	7.2	7.9	6.5		7.9	7.9	
5/20	4.7	4.6	6.7	7.2	8.0	8.9	7.4	8.9	7.9	8.7	7.0		8.2	8.2	
5/21	4.3	4.5	6.1	6.9	7.6	8.3	6.9	8.9	7.5	8.3	7.0		7.2	7.3	
5/22	4.2	4.5	5.8	6.4	6.9	7.6	6.7	9.7	7.3	8.0	6.8		6.5	6.6	
5/23	4.2	5.6	5.9	6.3	6.7	7.3	6.7	10.3	7.1	7.8	6.7		6.6	6.7	
5/24	4.4	5.9	7.4	7.2	7.5	8.0	7.0		7.1	8.0	6.9		6.7	6.8	
5/25	4.4	4.5	6.1	6.8	7.3	8.0	7.1		7.1	7.7	7.1		6.7	6.9	
5/26	3.8	4.4	5.8	6.3	6.7	7.3	6.6		7.0	7.8	6.7		6.6	6.7	
5/27	4.2	4.4	6.0	6.4	6.8	7.5	7.3		7.7	8.6	6.7		6.7	6.8	
5/28	4.3	4.5	6.1	6.5	7.0	7.6	6.8		7.4	8.3	6.7		7.2	7.3	
5/29	4.4	4.5	5.9	6.5	7.0	7.6	7.1		7.5	8.3	6.9		7.2	7.3	
5/30	4.5	4.5	6.0	6.5	7.0	7.7	6.9		7.4	8.3	7.1		7.1	7.2	
5/31	4.7	4.6	6.1	6.6	7.1	7.8	7.0		7.2	7.9	7.3		7.3	7.4	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2				RM 14.1	RM 13.2
6/1	4.4	4.6	6.2	6.8	7.3	7.9	7.0		7.2	7.9	7.4		7.2	7.3	
6/2	4.3	4.6	6.2	6.7	7.1	7.7	7.1		7.5	8.0	7.2		6.8	7.0	
6/3	4.7	4.7	7.1	7.6	8.2	8.9	7.9		8.1	8.8	7.6		7.9	7.9	
6/4	5.3	4.8	7.5	8.2	9.1	10.1	8.0		8.6	9.5	8.3		8.6	8.6	
6/5	5.3	4.9	7.6	8.3	9.4	10.4	8.0		8.4	9.3	8.8		8.0	8.1	
6/6	5.5	4.9	7.5	8.3	9.6	10.9	8.0		8.5	9.3	9.1		8.1	8.1	
6/7	4.9	4.7	6.7	7.7	8.4	9.4	7.5		7.5	8.4	8.7		7.1	7.3	
6/8	4.8	4.7	6.7	7.4	7.8	8.4	7.8		7.2	7.9	8.1		6.7	6.9	
6/9	5.2	4.8	6.8	7.5	8.1	8.8	7.9		7.3	7.9	8.3		7.3	7.4	
6/10	5.2	4.8	6.6	7.4	8.0	8.7	7.7		7.2	7.8	8.4		7.5	7.6	
6/11	5.1	4.7	6.4	7.2	7.8	8.5	7.6		7.3	7.9	8.2		7.6	7.6	
6/12	5.6	4.7	6.7	7.3	8.0	9.0	7.7		7.3	8.1	8.3		8.1	8.0	
6/13	5.4	4.8	6.7	7.5	8.1	8.8	7.9		7.5	8.1	8.6		8.0	8.0	
6/14	5.1	4.7	6.8	7.5	8.1	8.8	7.8		7.4	7.9	8.3		7.3	7.3	
6/15	5.0	4.6	6.5	7.2	7.9	8.7	7.6		7.2	7.6	8.0		7.3	7.4	
6/16	5.0	4.6	6.4	7.1	7.7	8.4	8.1		7.5	8.3	8.0		7.3	7.4	
6/17	5.6	4.8	6.6	7.3	8.0	8.9	8.2		7.6	8.3	8.4		8.1	8.1	
6/18	5.5	4.8	6.7	7.5	8.0	8.7	8.3		7.6	8.2	8.5		7.9	8.0	
6/19	5.2	4.8	6.8	7.5	7.9	8.5	8.3		7.7	8.1	8.3		7.4	7.5	
6/20	5.5	4.8	6.7	7.4	8.1	8.8	8.3		7.8	8.4	8.5		7.8	7.9	
6/21	6.4	5.0	7.5	8.0	9.2	10.3	9.4		7.9	8.7	9.1		8.8	8.8	
6/22	6.6	5.0	7.6	8.3	9.5	10.4	9.2		8.1	8.8	9.4		9.2	9.1	
6/23	5.9	4.7	7.1	8.0	8.8	10.0	8.8		8.4	8.6	8.9			8.5	
6/24	5.7	4.7	6.9	7.7	8.5	9.5	8.7		8.5	9.1	8.7			7.9	
6/25	5.7	4.7	6.8	7.6	8.2	9.2	8.5		8.4	9.0	8.6			8.1	
6/26	6.4	4.9	7.4	7.9	8.9	10.2	9.0		8.5	9.2	8.7			8.7	
6/27	6.8	5.1	7.3	8.1	9.3	10.7	9.2		8.8	9.2	9.6			9.2	
6/28	6.6	5.1	7.2	8.2	9.1	10.4	9.0		8.7	9.2	10.1			8.6	
6/29	6.3	5.0	7.2	8.0	8.7	9.6	8.7		8.5	8.9	10.1			8.4	
6/30	5.8	4.8	7.4	8.0	8.5	9.1	8.6		8.4	8.8	9.4			7.6	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

DATE	(SFK)	Sultan River										Big Four Creek		Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2			RM 14.1	RM 13.2
7/1	6.5		4.9	8.1	8.9	9.5	10.6	9.5		8.4	9.2	9.4		8.5	
7/2	7.3		5.1	8.4	9.2	10.3	11.8	10.0		9.2	10.0	10.0		9.6	
7/3	6.7		5.0	7.4	8.3	9.6	10.9	9.3		9.5	10.2	10.2		9.1	
7/4	7.0		5.0	7.9	8.7	9.5	10.8	9.3		8.8	10.1	9.9		9.3	
7/5	7.6		5.1	8.3	9.2	10.4	12.0	9.8		9.1	10.1	10.2		10.0	
7/6	7.9		5.3	8.5	9.5	10.9	12.7	10.2		9.2	10.3	10.7		10.4	
7/7	7.2		5.0	7.3	8.3	9.7	11.2	9.4		8.8	9.6	10.7		9.4	
7/8	6.6		4.8	7.1	7.9	8.6	9.7	9.0		8.7	9.3	9.9		8.8	
7/9	6.8		4.9	7.2	8.0	8.7	9.9	9.0		8.7	9.6	9.5		9.0	
7/10	7.2		5.0	7.3	8.2	9.2	10.7	9.4		9.2	9.8	9.8		9.7	
7/11	7.5		5.1	7.4	8.3	9.4	10.2	9.5		9.2	9.7	10.5		9.7	
7/12	7.3		5.1	6.9	7.7	8.9	10.5	9.3		9.0	9.7	10.4		9.7	
7/13	7.3		5.2	7.7	8.4	9.1	10.3	9.3	11.1	9.0	9.8	10.3		9.6	
7/14	6.9		5.1	7.5	8.4	9.1	10.4	9.3	11.0	8.9	9.7	10.7		9.2	
7/15	7.2		5.2	8.1	8.9	9.8	10.7	9.8	10.9	9.1	10.0	10.8		9.5	
7/16	7.4		5.3	7.7	8.6	9.6	10.7	9.7	11.3	9.2	10.0	10.7		9.9	
7/17	7.3		5.2	7.5	8.4	9.3	10.7	9.4	11.7	9.0	9.7	10.7		9.5	
7/18	7.6		5.2	7.6	8.5	9.5	10.6	9.6	11.2	9.1	9.8	10.5		10.0	
7/19	7.4		5.1	7.0	7.9	8.8	10.6	9.3	11.3	9.1	9.5	10.7		9.6	
7/20	7.1		5.2	8.2	8.9	9.4	10.5	9.5	10.8	9.2	9.8	10.0		9.6	
7/21	7.3		5.2	8.6	9.3	9.7	10.1	10.0	10.9	9.3	9.8	10.2		9.7	
7/22	7.2		5.1	8.5	9.3	9.8	10.4	10.4	11.4	9.7	10.2	11.0		10.3	
7/23	7.8		5.3	8.5	9.3	10.2	11.2	10.6	11.9	10.0	10.6	11.4		10.7	
7/24	8.6		5.5	8.8	9.7	10.9	11.3	11.0	12.3	10.1	10.8	10.9		11.8	
7/25	8.2		5.4	7.8	8.8	10.1	10.8	10.2	12.9	9.8	10.3	10.7		11.0	
7/26	8.0		5.2	7.5	8.4	9.3	10.7	9.8	12.5	9.5	10.2	10.7		10.4	
7/27	8.0		5.2	7.5	8.4	9.3	10.7	9.8	11.6	9.7	10.3	11.1		10.9	
7/28	8.4		5.3	8.2	9.0	10.0	11.2	10.1	11.6	9.2	10.2	11.3		11.1	
7/29	9.1		5.4	8.5	9.4	10.9	11.3	10.3	11.8	8.9	9.5	11.6		12.2	
7/30	9.1		5.5	8.5	9.4	10.9	11.5	10.2	12.5	9.2	9.8	11.3		12.3	
7/31	9.0		5.4	7.7	8.7	10.2	11.3	9.9	12.5	9.3	9.7	11.5		12.0	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2				RM 14.1	RM 13.2
8/1	9.0	5.5	8.3	9.1	10.3	11.5	9.7	12.0	9.0	10.0	11.6			11.3	
8/2	9.3	5.5	8.1	9.0	10.5	11.6	9.8	11.7	9.2	10.1	11.7			12.5	12.6
8/3	9.5	5.5	8.3	9.2	10.7	11.7	9.9	11.6	9.3	10.3	11.8			12.8	12.5
8/4	9.7	5.6	8.2	9.2	10.8	11.7	10.1	11.9	9.4	10.4	11.7			13.2	13.0
8/5	9.7	5.4	7.5	8.5	9.8	11.7	9.7	12.0	9.3	10.1	11.7			12.6	13.3
8/6	9.6	5.5	7.4	8.3	9.4	11.7	9.5	11.5	9.3	10.2	11.6			12.7	12.5
8/7	9.8	5.5	7.7	8.4	9.7	11.6	9.6	11.2	9.4	10.3	11.5			13.1	12.7
8/8	9.8	5.4	7.2	8.2	9.4	11.5	9.6	11.3	9.4	10.1	11.3			12.9	13.3
8/9	9.3	5.4	7.0	7.8	8.9	11.3	9.4	11.1	9.5	10.1	11.3			12.6	12.8
8/10	9.0	5.4	6.9	7.6	8.7	11.3	9.4	10.9	9.6	10.1	11.3			12.1	12.1
8/11	9.4	5.4	7.3	7.9	8.9	11.3	9.7	10.8	9.7	10.2	11.2			12.6	12.0
8/12	9.9	5.5	7.9	8.6	9.7	11.2	10.2	11.1	9.9	10.6	11.2			13.5	12.4
8/13	10.1	5.4	7.2	8.1	9.4	11.2	10.2	11.7	10.1	10.5	11.2			13.2	13.0
8/14	9.7	5.4	7.0	7.7	9.2	11.1	10.3	11.5	10.3	10.8	11.7			13.1	12.4
8/15	9.7	5.4	7.1	7.8	9.1	11.6	10.5	11.4	10.4	11.0	10.7			13.0	12.7
8/16	9.6	5.3	7.4	8.0	9.1	10.7	10.5	11.8	10.6	11.2	10.6			12.6	13.0
8/17	9.8	5.3	7.5	8.1	9.4	10.6	10.7	11.8	10.8	11.3	10.6			12.5	13.0
8/18	9.8	5.4	7.2	8.0	9.4	10.6	10.9	11.9	11.0	11.5	10.9			12.5	13.1
8/19	10.1	5.5	7.6	8.2	9.3	11.0	11.1	12.0	11.2	11.8	11.4			12.4	13.1
8/20	10.6	5.7	7.9	8.5	9.9	11.5	11.5	12.2	11.5	12.2	11.7			13.1	13.5
8/21	11.1	5.8	8.0	8.8	10.2	11.7	11.8	12.6	11.8	12.5	12.0			13.4	14.2
8/22	11.0	5.7	7.6	8.5	9.9	12.1	11.8	13.1	12.0	12.5	12.2			13.3	14.1
8/23	10.7	5.8	8.6	9.4	10.2	12.2	11.7	12.9	12.0	12.8	12.4			14.0	14.0
8/24	10.7	5.8	8.2	9.0	10.4	12.4	12.0	13.0	11.8	12.7	12.5			14.1	14.2
8/25	11.3	5.9	8.4	9.1	10.5	12.5	11.8	13.4	11.6	12.2	12.5			13.9	14.5
8/26	11.5	5.9	8.4	9.1	10.5	12.5	12.0	13.3	11.8	12.5	12.3			14.1	14.8
8/27	11.6	5.8	8.3	9.0	10.5	12.3	12.2	13.3	12.1	12.8	12.2			14.2	14.9
8/28	11.6	5.8	8.0	8.7	10.1	12.1	12.2	13.4	12.2	12.9	11.9			14.1	14.6
8/29	11.3	5.6	7.4	8.3	9.6	11.8	12.1	13.2	12.4	13.0	11.5			13.8	14.2
8/30	11.0	5.5	7.4	8.1	9.5	11.4	12.1	13.1	12.4	13.2	11.1			13.6	14.1
8/31	10.4	5.4	6.8	7.5	8.8	11.0	12.0	13.0	12.4	13.0	11.1			13.0	13.7

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2				RM 14.1	RM 13.2
9/1	9.8	5.4	7.0	7.5	8.4	11.1	11.8	12.6	12.3	13.1	10.9		12.3	13.2	
9/2	10.3	5.4	7.4	8.0	9.1	10.9	12.0	12.4	12.4	13.1	11.1		12.7	13.7	
9/3	10.2	5.5	7.2	7.7	8.9	11.1	12.3	12.9	12.7	13.4	11.2		12.8	14.1	
9/4	10.3	5.5	7.3	7.8	8.9	11.2	12.4	12.7	12.9	13.6	11.2		12.9	14.3	
9/5	10.5	5.6	7.4	7.9	9.0	11.3	12.6	13.0	13.0	13.8	11.4		12.5	14.4	
9/6	10.7	5.7	7.5	8.0	9.1	11.5	12.8	13.3	13.2	14.0	11.8		12.2	14.7	
9/7	11.0	5.8	7.6	8.1	9.3	11.8	13.0	13.4	13.4	14.2	12.0		12.4	15.0	
9/8	11.2	5.9	7.6	8.3	9.6	12.0	13.2	13.6	13.6	14.5	12.1		12.5	15.1	
9/9	11.5	5.9	7.9	8.5	9.7	12.1	13.4	13.8	13.7	14.8	12.2		12.6	15.3	
9/10	11.7	5.9	7.9	8.5	9.7	12.3	13.5	14.2	13.8	14.9	12.4		13.0	15.8	
9/11	11.8	5.9	7.9	8.5	9.8	12.3	13.6	14.3	13.9	15.1	11.9		13.4	16.1	
9/12	12.0	5.9	7.9	8.6	9.8	11.8	13.3	14.2	13.6	15.5	11.6		13.2	15.6	
9/13	11.9	5.6	6.7	7.3	8.4	11.6	11.8	13.6	13.0	14.1	11.4		12.8	14.9	
9/14	11.6	5.6	6.9	7.4	7.8	11.4	12.9	12.7	12.4	13.4	10.9		12.6	14.4	
9/15	11.0	5.6	6.8	7.4	8.3	10.8	13.1	12.8	13.1	13.9	10.6		12.2	14.2	
9/16	10.4	5.4	6.8	7.4	8.2	10.6	12.9	13.2	13.0	13.9	10.8		12.1	13.7	
9/17	10.0	5.5	6.6	7.1	8.0	10.9	12.8	13.1	12.8	13.4	11.0		11.6	13.2	
9/18	9.9	5.7	7.2	7.8	8.2	11.0	12.4	13.0	12.8	13.7	10.8		11.9	13.3	
9/19	10.1	5.6	7.6	8.2	8.9	10.8	12.4	13.0	12.6	13.8	11.0		12.6	13.6	
9/20	9.6	5.6	6.9	7.5	8.4	11.1	12.7	12.9	12.7	13.4	11.3		12.6	13.6	
9/21	9.9	5.7	7.1	7.6	8.5	11.4	12.8	12.9	12.9	13.7	11.7		12.2	13.6	
9/22	10.4	5.9	7.1	7.7	8.6	11.8	13.0	13.2	13.2	14.0	11.8		12.0	13.8	
9/23	11.0	5.9	7.6	8.1	9.1	11.8	12.9	13.5	13.4	14.6	11.9		12.5	14.7	
9/24	11.0	5.8	7.2	7.7	8.7	11.8	13.0	13.6	13.3	14.3	11.3		12.6	15.0	
9/25	10.9	5.6	7.0	7.7	8.6	11.2	12.6	13.4	12.9	14.2	11.3		12.5	14.7	
9/26	10.1	5.6	6.4	7.0	7.8	11.3	12.5	13.0	12.6	13.2	10.8		11.7	13.0	
9/27	9.7	5.7	7.4	8.1	8.7	10.7	11.4	12.6	12.3	13.5	10.6		12.1	12.2	
9/28	8.9	5.6	7.2	8.0	8.4	10.6	11.5	12.3	11.9	12.8	10.8		11.9	12.0	
9/29	8.9	5.8	6.7	7.5	7.6	10.8	12.0	12.0	12.1	12.5	10.6		11.7	11.9	
9/30	9.2	5.8	6.8	7.5	7.9	10.6	11.9	12.2	12.2	13.1	10.4		12.0	12.2	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

DATE	(SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	RM 14.1	RM 13.2	
10/1		5.7	6.7	7.2	7.8	10.4	11.2	12.1	11.6	12.4	10.4	11.7	11.8	
10/2		5.7	6.6	7.2	7.7	10.4	11.5	11.9	11.8	12.4	10.2	11.6	11.9	
10/3		5.6	6.7	7.3	7.9	10.2	11.7	11.9	12.0	12.7	10.1	11.8	12.1	
10/4		5.6	6.6	7.2	7.8	10.0	11.5	12.0	11.8	12.6	9.8	11.6	11.9	
10/5		5.5	6.7	7.4	7.8	9.8	11.0	11.8	11.5	12.2	9.7	10.9	11.4	
10/6		5.5	6.6	7.3	7.8	8.2	10.7	11.4	11.0	11.7	9.5	10.7	10.9	
10/7		5.5	6.6	7.2	7.8	8.1	10.4	11.1	10.9	11.6	9.5	10.5	10.7	
10/8		5.6	6.6	7.2	7.4	7.9	10.5	10.9	10.7	11.2	9.9	10.9	10.5	
10/9		5.6	6.7	7.3	7.8	8.2	10.3	10.9	10.9	11.6	10.0	10.8	10.9	
10/10		5.6	6.9	7.5	7.9	8.3	10.5	10.9	10.7	11.2	9.9	10.2	10.9	
10/11		5.6	7.2	7.8	8.4	8.6	9.6	10.7	10.5	11.2	9.4	9.2	10.3	
10/12		5.5	7.2	7.8	8.3	8.7	9.4	10.5	9.9	10.5	9.0	9.3	9.2	
10/13		5.5	6.6	7.2	7.4	7.9	9.4	10.0	9.8	10.2	8.8	9.2	9.3	
10/14		5.4	6.3	6.8	7.3	7.6	9.4	9.9	9.8	10.2	8.2	8.9	9.3	
10/15		5.4	6.1	6.5	6.6	7.0	9.2	9.8	9.6	9.9	7.9	8.8	9.0	
10/16		5.4	6.0	6.4	6.5	6.7	8.8	9.5	9.2	9.6	8.0	9.0	8.8	
10/17		5.4	5.9	6.3	6.6	7.0	8.8	9.3	9.2	9.5	8.5	9.1	9.1	
10/18		5.5	5.9	6.2	6.2	6.5	9.2	9.2	9.4	9.7	8.9	9.6	9.2	
10/19		5.7	6.4	6.7	6.8	7.0		9.5	9.8	10.3	9.1	10.1	9.5	
10/20		5.6	6.9	7.3	7.7	7.8		9.8	9.6	10.2	9.6	9.8	9.9	
10/21		5.7	7.6	8.1	7.9	8.0		9.6	9.5	9.8	9.8	9.5	7.8	
10/22		5.9	8.5	9.0	9.4	9.5		9.6	9.5	10.0	9.2	9.6	7.8	
10/23		5.7	8.0	8.6	9.1	9.4		9.9	9.8	10.2	8.3	9.0	7.7	
10/24		5.4	6.8	7.3	7.8	8.2		9.7	9.2	9.6	7.6	8.2	7.3	
10/25		5.4	5.9	6.3	6.7	7.1		8.9	8.6	9.0	7.2	7.2	6.9	
10/26		5.3	5.6	5.9	6.0	6.2		8.2	8.2	8.4	7.0	7.3	6.3	
10/27		5.4	5.5	5.7	5.8	6.0		8.0	8.2	8.4	7.7	7.3	6.4	
10/28		5.5	5.9	6.0	6.0	6.0		8.0	8.2	8.4	7.9	7.6	6.5	
10/29		5.6	6.2	6.5	7.0	7.1		8.1	8.3	8.7	8.2	7.5	7.7	
10/30		5.5	6.6	6.9	6.8	7.0		8.1	8.2	8.5	7.3	7.6	7.6	
10/31		5.5	6.7	6.9	7.3	7.4		8.0	7.9	8.3	6.8	7.0	7.7	

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

DATE	(SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	Creek	RM 14.1	RM 13.2
11/1			5.4	5.8	5.9	6.0	6.1		7.4	7.4	7.6	7.1	6.3	7.0
11/2			5.4	5.6	5.7	5.6	5.7		6.7	7.1	7.4	6.3	6.6	6.5
11/3			5.4	5.5	5.7	6.1	6.3		6.7	7.5	7.8	5.7	6.2	6.8
11/4			5.4	5.2	5.3	5.3	5.3		6.7	6.9	7.0	5.2	5.9	6.3
11/5			5.3	4.9	4.9	5.0	5.0		6.1	6.7	6.8	5.1	5.2	6.0
11/6			5.3	4.8	4.7	4.4	4.3		5.8	6.3	6.4	5.6	5.7	5.2
11/7			5.4	5.1	5.0	5.0	4.9		5.7	6.9	6.8	6.2	6.3	5.4
11/8			5.5	5.4	5.4	5.6	5.7		6.3	7.4	7.3	6.7	6.9	6.2
11/9			5.6	5.6	5.7	6.0	6.1		6.7	7.4	7.4	6.4	6.7	6.8
11/10			5.5	5.5	5.5	5.5	5.6		6.7	7.4	7.1	5.9	6.3	6.5
11/11			5.4	5.2	5.1	5.3	5.2		6.4	7.4	6.8	5.8	5.4	5.7
11/12			5.4	4.7	4.6	5.0	5.1		5.9	7.4	6.4	6.4	5.4	5.5
11/13			5.6	5.0	4.9	5.2	5.2		5.5	7.4	6.4	5.7	5.9	5.5
11/14			5.6	5.4	5.4	5.8	5.9		5.8	7.4	6.5	5.0	5.3	6.0
11/15			5.5	4.9	4.9	5.0	5.1		5.8	7.4	6.0	5.1	4.6	5.4
11/16			5.9	4.9	4.7	4.6	4.6		5.1	7.4	5.6	5.2	4.6	4.7
11/17			6.1	4.8	4.6	4.6	4.6		4.7	7.4	5.9	4.7	4.4	4.7
11/18			5.8	4.7	4.4	4.3	4.6		4.7	6.6	5.6	4.1	4.2	4.6
11/19			5.3	4.5	4.3	3.7	4.2		4.2	5.7	5.2	4.0	3.8	4.3
11/20			5.0	4.1	3.9	4.0	3.7		3.8	5.4	4.8	4.7	3.6	3.9
11/21			5.1	4.2	4.0	4.5	4.0		4.2	5.7	5.1	5.6	4.2	3.8
11/22			5.5	4.6	4.4	5.5	4.6		4.9	6.0	5.6	5.6	5.0	4.4
11/23			5.4	4.8	4.8	5.2	5.7		6.0	6.8	6.1	5.4	5.0	5.1
11/24			4.9	4.9	4.9	5.0	5.4		5.8	6.5	5.9	4.8	5.0	5.2
11/25			4.5	4.5	4.6	5.0	5.2		5.6	6.2	5.7	6.2	5.1	5.1
11/26			4.7	4.6	4.7	5.8	5.2		5.6	6.3	5.7	6.0	5.7	5.2
11/27			4.8	5.1	5.3	5.5	6.0		6.5	6.8	6.2	5.5	5.2	5.8
11/28			4.7	5.0	5.1	5.1	5.6		6.3	6.6	6.1	5.3	5.1	5.3
11/29			4.6	4.6	4.7	4.9	5.2		5.6	6.2	5.5	5.0	5.1	5.1
11/30			4.5	4.5	4.6	4.3	5.1		5.7	6.1	5.6	4.8	4.5	5.2

Appendix B - 2011 Mean Daily Water Temperature Data in Tabular Format

DATE	(SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2
12/1			4.6	4.3	4.4	4.4	4.4		4.9	5.7	5.0	4.4	4.7	4.6
12/2			4.6	4.2	4.3	4.1	4.5		5.0	5.7	5.1	4.1	4.3	4.8
12/3			4.5	4.1	4.2	3.8	4.1		4.5	5.5	4.8	3.8	4.2	4.3
12/4			4.5	3.8	3.8	3.1	3.9		4.4	5.4	4.8	3.5	3.6	4.3
12/5			4.4	3.5	3.4	3.1	3.1		3.8	5.1	4.4	3.6	3.2	3.7
12/6			4.5	3.6	3.6	3.9	3.0		3.6	5.1	4.3	3.8	4.0	3.4
12/7			4.5	4.0	4.0	4.0	3.9		4.3	5.3	4.7	3.3	4.2	4.1
12/8			4.5	4.0	4.0	3.3	4.1		4.5	5.4	4.8	3.4	3.5	4.2
12/9			4.4	3.6	3.6	3.1	3.2		4.0	5.4	4.5	3.8	3.5	3.3
12/10			4.4	3.6	3.6	3.8	3.0		3.7	5.4	4.2	3.4	4.5	3.0
12/11			4.4	3.9	3.8	3.0	3.8		4.3	5.4	4.6	2.6	4.7	3.8
12/12			4.2	3.4	3.3	2.6	2.9		3.8	5.1	4.4	2.8	4.6	3.9
12/13			4.1	3.2	3.1	3.3	2.4		3.4	4.8	4.0	3.1	4.6	3.0
12/14			4.2	3.6	3.5	3.7	3.2		3.8	5.0	4.3	3.5	4.6	3.4
12/15			4.2	3.8	3.8	4.1	3.6		4.3	5.1	4.5	4.0	4.4	4.0
12/16			4.3	4.0	4.2	3.9	4.2		4.7	5.3	4.8	4.6	4.4	4.6
12/17			4.2	4.0	4.1	4.3	4.0		4.5	5.2	4.5	4.8	4.2	4.4
12/18			4.2	4.1	4.2	4.6	4.4		4.8	5.2	4.7	4.6	4.4	4.6
12/19			4.1	4.2	4.4	4.5	4.7		5.0	5.3	4.7	4.4	4.7	4.9
12/20			4.0	3.9	4.2	3.8	4.7		5.0	5.3	4.7	3.6	4.9	5.0
12/21			3.9	3.5	3.6	2.7	4.0		4.6	5.1	4.5	3.0	4.4	4.6
12/22			3.7	3.0	3.0	2.8	2.6		3.5	4.4	3.7	3.8	3.1	3.3
12/23			3.8	3.1	3.0	3.7	2.6		3.5	4.4	3.8	4.9	2.8	3.2
12/24			3.9	3.7	3.8	4.2	3.8		4.2	4.8	4.3	4.5	3.9	4.1
12/25			3.9	3.6	3.8	3.8	4.2		4.5	5.0	4.4	4.4	4.4	4.5
12/26			3.9	3.5	3.6	3.9	4.0		4.5	5.0	4.3	5.3	4.1	4.3
12/27			4.1	3.8	4.0	5.4	4.1		4.6	5.0	4.4	5.7	4.3	4.4
12/28			4.4	4.7	5.0	5.5	5.5		5.7	5.8	5.1	5.4	4.8	4.9
12/29			4.2	4.9	5.3	5.0	5.7		6.3	6.2	5.3	4.4	4.9	5.0
12/30			3.9	4.3	4.5	3.7	5.1		5.8	5.7	5.0	4.0	4.7	4.9
12/31			3.7	3.6	3.8	3.5	3.8		4.5	4.8	4.3	3.7	4.1	4.2

APPENDIX C

*2011 Seven-Day Average of the Daily Maximum (7-DAD Max) Water Temperature
in Tabular Format*

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

DATE	RM 18.2 (SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	RM 14.1	RM 13.2		
1/1														
1/2														
1/3														
1/4	1.9	3.7	3.5	3.1		3.0	2.9	3.5	3.8	4.0			3.8	
1/5	2.1	3.7	3.3	3.0		2.9	3.2	3.9	3.5	3.9			3.6	
1/6	2.3	3.7	2.9	2.5		2.4	3.3	4.1	3.2	3.6			3.6	
1/7	2.5	3.7	3.3	2.9		2.9	3.5	3.3	2.8	3.2		5.4	3.5	
1/8	2.5	3.1	3.1	2.7		2.8	3.6	4.0	2.8	3.0		5.3	3.6	
1/9	2.5	3.5	3.2	2.9		3.0	3.5	4.0	2.9	3.4		6.2	3.4	
1/10	2.5	3.6	4.0	3.9		4.3	3.6	4.5	3.8	4.1		4.7	3.9	
1/11	2.6	3.6	4.2	4.1		4.5	3.6	5.0	4.3	4.6		4.6	4.2	
1/12	2.7	3.5	3.9	3.6		4.2	3.7	5.4	4.0	4.2		4.8	4.5	
1/13	2.9	3.6	4.4	4.2		4.7	4.1	5.1	4.2	4.3		5.2	4.4	
1/14	3.1	3.0	4.3	4.0		4.5	4.5	5.1	4.0	4.0		5.5	4.3	
1/15	3.4	3.1	3.9	3.4		3.8	4.7	4.4	3.7	4.0		6.3	3.9	
1/16	3.6	3.2	3.8	3.8		4.4	5.0	4.7	3.5	3.9			4.2	
1/17	3.7	3.4	4.0	3.8		4.5	5.0	5.0	3.9	4.1		4.2	4.4	
1/18	3.6	3.5	4.4	4.3		4.9	4.9	5.6	4.3	4.4		6.1	4.7	
1/19	3.6	3.6	5.0	5.1		5.7	4.8	6.1	4.9	4.8			4.9	
1/20	3.5	3.6	5.2	5.1		5.8	4.6	6.2	4.5	4.7		7.7	5.0	
1/21	3.5	3.5	4.9	4.6		5.3	4.4	5.8	4.3	4.6		6.6	5.1	
1/22	3.6	3.5	4.6	4.6			4.6		3.9	4.9			5.3	
1/23	3.7	3.6	4.3	4.2			4.8		3.8	4.1		5.1	5.1	
1/24	3.8	3.7	4.4	4.6			4.9		4.1	4.4		6.4	5.0	
1/25	4.0	3.7	4.6	4.7			5.0		4.1	4.3			5.0	
1/26	4.0	3.8	4.9	5.0			5.1		4.2	4.5		7.9	5.1	
1/27	4.0	3.8	4.8	4.9			5.2		4.2	4.5		6.8	5.2	
1/28	4.0	3.8	4.8	4.8			5.2		4.1	4.9		7.5	5.4	
1/29	4.0	3.7	4.5	4.4			5.0		3.9	4.1		5.4	4.8	
1/30	3.8	3.7	4.0	4.1			4.8		3.6	4.0		5.2	4.5	
1/31	3.7	3.8	4.3	4.4			4.7		3.7	4.0		5.5	4.8	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River							Big Four Creek		Skykomish River		
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	RM 14.1	RM 13.2	
2/1	3.6	4.0	5.0	5.3			4.8		4.4	4.6		5.7	5.1
2/2	3.6	3.8	5.0	5.0			4.7		4.3	4.6		5.5	5.1
2/3	3.6	3.8	4.7	4.7			4.7		4.1	4.3		5.4	5.0
2/4	3.7	3.7	4.5	4.4			4.8		3.9	4.2		5.0	4.6
2/5	3.6	3.6	3.9	3.7			4.9		3.6	4.1		4.9	4.3
2/6	3.7	3.7	4.1	3.8			4.9		3.6	4.0		5.1	4.5
2/7	3.5	3.8	4.2	4.1			4.8		3.7	4.1		5.3	4.6
2/8	3.5	3.8	4.4	4.4			4.6		3.8	4.1		5.3	4.7
2/9	3.4	3.9	4.5	4.6			4.4		3.9	4.2		5.7	5.0
2/10	3.4	3.8	4.7	4.8			4.3		4.0	4.5		5.9	5.3
2/11	3.4	3.7	4.4	4.4			4.2		3.9	4.3		5.6	5.0
2/12	3.4	3.6	4.2	4.0			4.2		3.7	4.1		5.3	4.8
2/13	3.4	3.6	3.7	3.5			4.3		3.6	4.1		5.4	4.6
2/14	3.5	3.7	3.7	3.6			4.3		3.6	4.0		5.2	4.5
2/15	3.5	3.7	3.7	3.7			4.3		3.6	4.1		5.7	4.8
2/16	3.3	3.7	3.7	3.7			4.2		3.7	4.2		5.8	4.9
2/17	3.1	3.7	3.7	3.7			4.0		3.6	4.0		5.6	4.6
2/18	2.9	3.6	3.8	3.8			3.8		3.6	4.0		5.4	4.5
2/19	2.7	3.6	3.4	3.2			3.6		3.6	4.1		5.3	4.4
2/20	2.4	3.5	3.1	2.9			3.4		3.5	4.0		5.0	4.0
2/21	2.2	3.4	3.0	2.7			3.3		3.5	4.0		5.2	4.0
2/22	2.0	3.3	2.5	2.3			3.2		3.3	3.7		5.4	3.6
2/23	1.8	3.2	2.5	2.1			3.1		3.0	3.3		4.8	3.1
2/24	1.6	3.5	2.8	2.6			3.0		3.0	3.4		5.0	3.3
2/25	1.4	3.5	2.8	2.5			2.9		3.3	3.8		4.7	3.6
2/26	1.4	3.4	2.9	2.7			2.9		3.3	3.7		4.9	3.4
2/27	1.4	3.4	2.8	2.6			2.9		3.3	3.7		5.5	3.8
2/28	1.4	3.2	2.4	2.1			2.8		3.2	3.6		5.8	3.5

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River								Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2
3/1	1.5	3.2	2.6	2.3			2.9		2.7	3.1		4.9	2.9
3/2	1.6	3.3	2.7	2.5			3.0		2.9	3.3		5.8	3.6
3/3	1.9	3.4	3.2	3.0			3.1		3.2	3.8		6.2	4.2
3/4	2.0	3.4	3.3	3.1			3.1		3.1	3.8		6.8	4.1
3/5	2.1	3.4	3.0	2.9			3.1		3.1	3.6		6.7	5.9
3/6	2.2	3.4	2.8	2.7			3.2		3.3	3.8		6.3	4.5
3/7	2.3	3.3	3.5	3.2			3.3		3.3	4.0		5.4	4.2
3/8	2.4	3.3	3.6	3.4			3.5		3.6	4.2		6.0	4.8
3/9	2.5	3.4	3.7	3.4			3.7		3.6	4.2		6.6	5.0
3/10	2.6	3.4	3.6	3.5			3.8		3.5	4.2		7.1	5.0
3/11	2.7	3.3	3.5	3.4			4.0		3.7	4.5		6.9	6.8
3/12	2.8	3.4	3.5	3.4			4.3		3.8	4.4		6.2	5.1
3/13	3.0	3.3	3.8	3.6			4.4		4.0	4.5		5.6	5.0
3/14	3.1	3.3	4.1	3.9			4.8		4.5	4.0		5.9	5.3
3/15	3.3	3.3	3.9	3.8			4.6		4.5	4.0		5.7	5.1
3/16	3.3	3.4	3.8	3.7			4.8		4.4	4.1		6.4	5.5
3/17	3.4	3.2	3.9	3.9			4.7		4.3	4.9		6.6	5.8
3/18	3.5	3.4	3.9	4.0			5.0		4.3	4.1		6.5	5.7
3/19	3.6	3.3	4.1	4.2			5.1		4.2	4.2		6.7	5.9
3/20	3.6	3.3	4.4	4.4			5.3		4.1	4.1		7.3	6.3
3/21	3.7	3.5	4.5	4.6			5.6		4.1	4.4		7.5	6.4
3/22	3.8	3.6	4.4	4.4			5.6		4.1	4.5		7.7	6.6
3/23	3.9	3.6	4.3	4.4			5.2		4.2	4.4		7.0	6.0
3/24	4.0	3.6	4.4	4.5			5.5		4.3	4.4		7.5	6.5
3/25	4.1	3.6	4.6	4.7			5.5		4.4	4.7		7.9	6.8
3/26	4.1	3.7	4.4	4.5	4.7		5.3		4.5	5.4		7.7	6.7
3/27	4.1	4.0	4.9	4.9	5.1		5.8		4.6	5.9		7.7	6.7
3/28	3.9	4.1	5.0	5.2	5.4		6.0		4.7	6.2		6.9	6.1
3/29	3.8	4.1	4.8	4.9	5.2		5.7		4.9	6.1		6.6	5.8
3/30	3.7	4.0	4.8	4.9	5.1		5.7		5.1	6.0		6.7	6.0
3/31	3.6	4.0	4.6	4.7	5.0		5.5		5.2	6.0		7.2	6.4

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River										Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2		
4/1	3.5	3.9	4.3	4.2	4.8	5.1	5.3	5.8	4.7	5.2		6.6	6.0		
4/2	3.3	4.1	4.5	4.1	4.4	4.7	5.1	5.5	5.0	5.4		6.0	5.4		
4/3	3.1	4.1	4.5	4.1	4.6	5.0	5.0	5.7	5.3	5.7		5.6	4.9		
4/4	3.1	4.1	4.6	4.6	4.9	5.5	4.9	6.1	5.2	5.4		6.5	5.4		
4/5	3.0	4.1	4.8	4.9	5.1	5.8	4.8	6.3	5.2	5.3		7.3	6.0		
4/6	3.1	4.0	4.5	4.5	4.8	5.4	4.7	6.1	5.1	5.4		7.5	6.0		
4/7	3.1	4.0	4.2	4.1	4.6	5.1	4.6	6.0	4.9	5.1		7.1	5.8		
4/8	3.0	4.0	4.1	3.7	4.0	4.4	4.6	5.4	4.8	5.1		6.7	5.7		
4/9	3.2	4.0	4.4	4.0	4.4	5.0	4.7	5.6	4.9	5.4		6.5	5.9		
4/10	3.4	4.0	4.4	4.5	4.6	5.2	4.8	5.8	4.8	5.1		6.9	6.0		
4/11	3.4	4.0	4.5	4.5	4.7	5.5	4.8	5.9	5.0	5.2		7.5	6.4		
4/12	3.5	4.1	4.4	4.6	4.8	5.3	4.7	6.0	5.2	5.5		7.5	6.2		
4/13	3.5	4.1	4.3	4.4	4.7	5.4	4.7	6.1	5.3	5.4		7.3	6.2		
4/14	3.4	4.1	4.1	4.0	4.3	4.7	4.7	6.6	5.0	5.7		7.2	6.3		
4/15	3.4	4.2	4.5	4.7	4.7	5.4	4.7	6.6	5.2	5.6		6.7	6.6		
4/16	3.4	4.1	4.8	4.8	4.9	5.7	4.7	6.4	5.1	5.8		6.6	6.5		
4/17	3.4	4.0	4.5	4.6	4.8	5.5	4.7	6.7	5.1	5.5		6.6	6.4		
4/18	3.5	4.0	4.4	4.6	4.9	5.2	4.8	6.1	5.0	5.3		6.3	6.1		
4/19	3.5	4.3	4.9	4.9	5.4	6.4	4.9	6.3	5.3	5.9		7.4	7.1		
4/20	3.6	4.3	5.3	5.0	5.4	6.2	5.1	7.3	5.4	6.5		8.0	7.6		
4/21	3.7	4.3	4.6	4.8	5.0	5.5	5.3	6.9	5.5	5.9		7.1	6.9		
4/22	3.9	4.2	4.9	4.9	5.1	6.0	5.4	6.9	5.3	6.2		6.9	6.7		
4/23	3.9	4.2	5.0	5.2	5.3	6.0	5.5	7.8	5.3	6.2		7.4	7.1		
4/24	3.9	4.1	4.6	4.9	5.1	5.6	5.6		5.3	5.7		7.1	6.8		
4/25	3.9	4.3	4.7	4.5	5.2	6.0	5.6		5.2	5.9		7.7	7.3		
4/26	3.8	4.4	5.6	5.5	5.7	6.7	5.6		5.6	6.4		8.2	7.8		
4/27	3.8	4.2	5.0	5.3	5.6	6.1	5.5		6.0	6.5		7.7	7.5		
4/28	3.8	4.5	5.6	5.7	6.0	7.0	5.7		6.1	7.0		8.2	8.0		
4/29	3.9	4.3	5.2	5.5	5.8	6.1	5.7		5.9	6.6		7.9	7.7		
4/30	3.8	4.2	4.8	5.0	5.2	5.8	5.7		5.8	6.5		7.4	7.1		

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River									Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2	
5/1	3.9	4.4	5.0	5.2	5.5	6.4	5.9		6.0	6.7		7.9	7.7	
5/2	4.0	4.3	5.0	5.3	5.7	6.3	6.1		6.1	6.5		7.7	7.5	
5/3	4.1	4.3	5.2	5.4	5.6	6.2	6.2		6.2	6.8		7.3	7.2	
5/4	4.0	4.7	5.8	5.9	6.1	7.1	6.3		6.7	7.9		8.4	8.3	
5/5	3.9	4.3	5.3	5.6	6.1	6.5	6.3		6.4	6.8		7.8	7.7	
5/6	3.9	4.3	5.1	5.4	5.6	6.1	6.3		6.1	6.7		7.2	7.1	
5/7	4.1	4.8	6.4	6.6	6.7	7.8	6.5	9.3	6.6	7.7		9.1	8.8	
5/8	4.1	4.4	5.5	5.9	6.5	6.9	6.4	9.8	6.7	6.9		8.6	8.4	
5/9	4.1	4.5	6.1	6.2	6.6	7.2	6.5	9.5	6.7	7.2		7.5	7.4	
5/10	4.3	4.7	6.4	6.4	7.1	7.7	6.8	10.0	7.4	8.3		8.2	8.1	
5/11	4.5	4.8	6.6	6.7	7.4	8.3	7.1	8.8	7.2	7.8		8.1	8.1	
5/12	4.5	4.5	6.0	6.5	7.1	7.5	7.1	9.3	6.7	7.1		7.6	7.6	
5/13	4.4	4.6	6.3	6.4	6.7	7.4	7.3	8.9	6.7	7.6		7.4	7.3	
5/14	4.4	4.6	6.1	6.9	7.4	7.9	7.5	10.2	7.2	7.8		8.6	8.5	
5/15	4.6	4.8	7.2	7.4	8.2	9.1	7.7	10.3	7.4	8.1		8.5	8.5	
5/16	4.7	4.9	7.7	7.8	8.8	9.8	7.9	9.9	8.1	9.0	6.9	9.0	9.0	
5/17	4.9	5.2	8.2	8.2	9.4	10.5	8.0	9.4	8.4	9.6	7.3	9.1	9.1	
5/18	4.8	4.5	6.8	7.6	8.5	8.7	8.0	9.5	7.7	8.5	7.1	8.4	8.5	
5/19	4.9	4.5	6.0	6.5	7.0	7.6	8.0	9.5	7.3	8.0	6.6	6.3	6.5	
5/20	5.1	5.9	6.7	7.2	7.6	8.3	8.1	11.5	7.7	8.8	6.7	7.7	7.8	
5/21	5.1	6.4	8.0	8.0	8.7	9.6	8.0	11.1	7.7	8.8	7.0	8.2	8.3	
5/22	5.0	4.8	7.3	7.8	8.6	9.3	8.0	9.9	7.9	8.8	7.2	8.1	8.2	
5/23	4.8	4.9	7.3	7.6	8.5	9.5	7.8	10.0	8.3	9.9	7.3	8.2	8.3	
5/24	4.7	4.7	6.9	7.4	8.2	9.0	7.6	9.7	8.3	9.9	7.1	8.1	8.3	
5/25	4.7	4.6	6.4	7.0	7.5	8.3	7.6	10.5	7.7	8.8	7.0	7.5	7.6	
5/26	4.7	5.8	6.6	6.7	7.1	7.8	7.6	12.5	7.7	8.9	7.0	7.4	7.5	
5/27	4.7	6.2	7.4	7.4	8.0	8.7	7.5		7.7	8.9	7.2	7.6	7.8	
5/28	4.8	4.9	6.8	7.4	8.0	8.5	7.5		7.5	8.3	7.4	7.5	7.7	
5/29	4.8	4.6	6.3	6.8	7.3	8.1	7.5		7.6	8.9	7.2	7.3	7.4	
5/30	4.9	4.7	6.7	7.1	7.5	8.5	7.5		8.2	9.5	7.1	7.2	7.4	
5/31	5.1	5.0	7.5	8.0	8.9	9.9	7.8		8.3	9.7	7.6	8.8	8.8	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River									Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2	
6/1	5.4	5.1	7.7	8.3	9.4	10.3	8.0		8.8	10.4	8.1	8.9	9.0	
6/2	5.6	4.9	7.4	7.9	9.1	9.8	8.2		8.4	9.5	8.3	8.5	8.7	
6/3	5.9	5.1	7.6	8.1	9.6	10.6	8.5		8.4	9.8	8.5	8.7	8.8	
6/4	5.8	4.8	6.9	7.7	8.7	9.7	8.6		8.2	9.1	8.4	8.2	8.3	
6/5	5.9	4.7	6.9	7.4	7.9	8.5	8.7		7.9	8.6	7.8	7.3	7.4	
6/6	6.1	5.1	7.9	8.4	9.4	10.4	8.8		8.4	9.6	8.4	8.8	8.8	
6/7	6.0	5.2	8.1	8.8	10.0	10.8	8.5		8.6	10.0	8.8	9.0	9.1	
6/8	5.8	5.0	7.6	8.1	9.4	10.1	8.4		8.6	9.5	8.8	8.6	8.7	
6/9	5.8	5.1	8.2	8.5	10.3	11.6	8.3		8.6	10.0	9.1	9.4	9.4	
6/10	5.7	4.9	7.2	8.1	9.2	10.3	8.2		8.5	9.2	9.0	9.0	9.0	
6/11	5.7	4.8	7.1	7.7	8.5	9.1	8.3		7.9	8.6	8.3	7.5	7.6	
6/12	5.7	4.9	7.2	7.9	8.8	9.7	8.3		8.2	8.7	8.5	8.1	8.1	
6/13	5.7	4.8	6.9	7.6	8.5	9.1	8.3		7.8	8.5	8.4	8.0	8.1	
6/14	5.8	4.9	7.0	7.6	8.5	9.3	8.5		8.1	9.2	8.5	8.8	8.7	
6/15	5.8	5.0	7.6	7.9	8.9	9.8	8.6		8.0	8.8	8.7	9.1	9.1	
6/16	5.7	4.9	7.0	7.7	8.4	9.1	8.6		8.4	9.1	8.6	8.5	8.5	
6/17	5.7	4.9	7.1	7.8	8.7	9.4	8.7		8.1	9.0	8.6	8.1	8.1	
6/18	6.1	5.2	8.2	8.5	10.3	11.4	9.1		8.4	9.2	9.0	9.4	9.3	
6/19	6.4	5.1	7.8	8.1	9.3	10.2	9.4		8.7	9.4	9.0	9.0	9.1	
6/20	6.5	4.9	7.5	8.1	9.2	10.2	9.5		8.6	9.8	9.0		9.6	
6/21	6.5	4.9	7.4	8.0	8.8	9.8	9.6		8.5	9.3	8.8		8.6	
6/22	6.6	4.9	7.2	7.8	8.7	9.7	9.6		8.7	9.7	8.6		8.4	
6/23	6.9	5.2	8.3	8.3	10.2	11.2	9.9		8.8	10.2	9.0		9.3	
6/24	7.1	5.4	8.6	8.9	11.0	12.1	10.1		8.9	10.2	9.9		10.1	
6/25	7.0	5.3	8.3	8.7	10.1	11.4	9.8		9.4	10.3	9.9		9.6	
6/26	6.8	5.0	7.6	8.4	9.4	10.5	9.6		9.0	9.7	9.7		9.4	
6/27	6.8	4.9	7.7	8.3	9.0	9.9	9.6		8.9	9.8	9.3		8.3	
6/28	7.1	5.2	8.9	9.4	10.6	11.9	9.9		8.8	10.3	9.4		9.6	
6/29	7.5	5.6	10.2	10.0	12.2	13.5	10.3		9.5	11.8	9.9		10.6	
6/30	7.4	5.3	8.1	9.0	10.7	11.8	10.1		9.6	10.9	10.2		10.3	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River									Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2	
7/1	7.5	5.4	9.1	9.6	11.0	12.7	10.3		9.7	11.5	10.3		10.0	
7/2	7.8	5.4	9.2	9.8	11.0	12.4	10.5		9.3	10.9	10.4		10.3	
7/3	8.2	5.4	9.5	10.0	11.0	12.4	10.9		9.3	11.1	10.4		9.9	
7/4	8.5	5.3	9.2	10.3	11.8	13.1	11.0		9.5	10.5	10.5		10.8	
7/5	8.3	5.4	9.4	9.9	11.0	12.3	10.7		9.6	11.3	10.4		10.2	
7/6	8.2	5.3	8.4	9.4	10.8	12.1	10.4		9.4	11.2	10.1		10.6	
7/7	8.3	5.4	9.6	10.0	11.4	13.1	10.4		9.8	11.7	10.3		10.6	
7/8	8.3	5.5	9.9	10.2	11.7	13.0	10.3		9.8	11.7	10.6		10.9	
7/9	8.1	5.5	9.2	10.0	11.5	13.0	10.1		10.0	11.4	10.9		10.9	
7/10	7.9	5.5	8.5	9.6	10.9	11.9	9.9	11.6	9.8	10.5	10.9		10.9	
7/11	7.7	5.1	7.9	8.7	9.4	10.6	9.8	11.7	9.5	10.0	10.6		9.7	
7/12	7.9	5.4	9.0	9.6	10.8	11.4	10.1	11.1	9.2	11.2	10.4		10.7	
7/13	7.9	5.4	8.6	9.2	10.5	11.7	10.2	12.7	9.7	10.9	10.7		10.6	
7/14	7.8	5.3	8.5	9.1	10.1	11.2	10.1	12.1	9.7	10.6	10.8		10.2	
7/15	7.8	5.3	8.0	8.9	10.2	10.7	10.1	11.6	9.9	10.5	10.7		10.6	
7/16	7.8	5.4	8.2	8.9	10.0	10.7	10.1	11.9	9.7	10.4	10.8		10.6	
7/17	7.8	5.3	8.3	9.2	10.0	10.8	10.2	11.7	9.7	10.2	10.7		10.4	
7/18	7.9	5.4	9.4	10.1	10.9	10.7	10.3	11.4	9.6	10.8	11.0		10.5	
7/19	7.9	5.5	9.1	9.7	10.7	10.9	10.4	12.2	9.8	10.9	11.4		11.2	
7/20	8.0	5.6	9.3	9.9	11.1	11.4	10.7	12.6	9.9	11.2	11.4		11.1	
7/21	8.4	5.8	9.9	10.4	11.9	11.3	11.2	12.6	10.1	11.5	10.9		12.1	
7/22	8.4	5.4	8.1	9.2	10.6	10.9	11.3	13.2	10.2	10.6	10.8		11.5	
7/23	8.5	5.4	8.4	9.3	10.1	10.8	11.3	12.5	10.1	10.6	10.8		10.9	
7/24	8.6	5.4	9.0	9.7	10.3	10.8	11.3	11.7	10.0	10.5	11.3		10.8	
7/25	8.9	5.7	10.2	10.4	11.7	11.3	11.4	12.0	10.1	11.3	11.7		12.1	
7/26	9.3	5.8	10.8	11.0	12.8	11.8	11.3	13.3	10.0	11.1	11.8		12.8	
7/27	9.4	6.0	10.9	11.2	13.1	11.7	11.1	13.7	10.2	11.6	11.4		13.3	
7/28	9.3	5.6	8.4	9.8	11.2	11.3	10.7	14.2	10.3	10.5	11.3		12.6	
7/29	9.5	5.7	9.3	9.9	11.3	11.3	10.6	13.0	9.9	11.3	11.5		11.8	
7/30	9.8	5.6	9.2	9.7	11.0	11.5	10.6	12.5	10.0	10.9	11.7		12.6	
7/31	10.1	5.9	10.5	10.6	12.5	11.7	10.7	12.6	9.9	11.7	11.8		12.9	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

DATE	(SFK)	Sultan River										Skykomish River	
		RM 18.2	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	Big Four Creek	RM 14.1
8/1	10.2	6.0	10.5	10.7	12.9	11.7	10.6	13.5	9.9	11.0	11.8		13.7
8/2	10.3	5.7	9.4	10.1	11.7	11.8	10.5	13.7	10.0	10.7	11.7		14.0
8/3	10.3	5.6	8.3	9.4	10.6	11.7	10.3	13.1	9.9	10.8	11.8		12.8
8/4	10.5	5.9	9.8	10.1	12.0	11.7	10.2	12.3	9.7	11.6	11.7		12.9
8/5	10.5	5.7	8.9	9.6	10.8	11.7	10.2	12.7	9.9	10.8	11.7	13.5	14.0
8/6	10.4	5.7	8.8	9.3	10.9	11.7	10.2	12.2	9.8	11.2	11.7	13.5	13.2
8/7	10.2	5.7	8.7	9.2	10.9	11.6	10.1	12.3	10.1	11.2	11.6	13.5	13.3
8/8	10.1	5.6	8.3	9.2	10.4	11.6	10.1	12.4	10.2	10.7	11.6	13.8	13.5
8/9	10.2	5.8	9.2	9.6	11.0	11.5	10.1	12.1	10.1	11.4	11.5	14.1	12.9
8/10	10.3	5.6	8.4	9.2	10.6	11.5	10.3	12.6	10.6	11.4	11.5	14.1	13.6
8/11	10.3	5.5	7.6	8.5	10.1	11.4	10.4	12.1	10.4	11.0	20.6	13.7	13.5
8/12	10.3	5.6	7.8	8.3	9.9	20.5	10.5	11.8	10.4	11.1	11.2	13.5	13.3
8/13	10.4	5.6	8.3	8.6	9.9	11.2	10.7	11.9	10.6	11.4	11.2	13.0	13.4
8/14	10.7	5.7	9.1	9.2	10.6	11.1	10.9	12.2	10.8	11.5	11.1	13.5	13.3
8/15	10.8	5.9	9.4	9.4	11.2	11.1	11.0	12.7	11.1	11.7	11.4	14.1	13.6
8/16	10.8	5.8	8.6	9.3	10.5	11.4	11.1	13.2	11.5	12.0	11.6	13.5	13.9
8/17	10.9	5.8	8.7	9.0	11.0	11.6	11.3	12.9	11.4	12.3	20.8	13.9	13.4
8/18	11.1	5.8	9.0	9.2	11.0	20.8	11.5	13.2	11.5	12.4	11.6	14.0	14.4
8/19	11.3	5.8	8.8	9.2	10.5	11.6	11.7	13.4	11.8	12.5	11.7	13.7	14.7
8/20	11.3	5.9	9.6	9.7	11.2	11.6	11.8	13.2	12.1	13.0	11.7	14.0	14.3
8/21	11.4	6.0	9.3	9.4	11.2	11.7	12.1	13.6	12.3	12.8	12.1	13.9	14.7
8/22	11.6	6.2	9.8	9.8	11.5	12.1	12.2	14.0	12.1	12.7	12.3	13.8	14.7
8/23	11.8	6.4	10.0	10.0	11.6	12.3	12.3	14.3	12.3	13.3	12.3	14.3	15.1
8/24	11.9	6.2	9.8	9.9	11.6	12.2	12.4	14.6	12.5	13.4	12.4	14.4	15.6
8/25	12.0	6.1	8.9	9.4	10.7	12.3	12.5	14.7	12.8	13.3	12.3	14.3	15.4
8/26	12.0	5.9	8.8	9.6	10.6	12.2	12.6	14.0	13.2	13.9	12.2	14.7	14.6
8/27	12.1	5.9	9.1	9.4	11.1	12.2	12.6	13.8	13.0	13.6	12.1	14.5	15.3
8/28	12.0	5.9	8.6	9.1	10.6	12.0	12.7	14.5	12.8	13.3	12.0	14.0	14.9
8/29	11.7	6.2	9.2	9.3	10.6	11.9	12.7	14.0	12.7	13.5	12.0	14.1	15.1
8/30	11.5	6.0	9.4	9.4	10.9	11.9	12.7	14.2	13.0	13.7	11.9	14.1	15.3
8/31	11.3	6.1	9.2	9.2	10.6	11.9	12.7	14.5	13.2	13.9	11.7	14.1	15.6

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

RM 18.2		Sultan River									Big Four Creek		Skykomish River	
DATE	(SFK)	RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2		RM 14.1	RM 13.2	
9/1	11.1	5.9	8.2	8.9	9.9	11.7	12.7	14.4	13.5	14.2	11.7	14.4	15.0	
9/2	11.0	5.8	8.6	8.8	10.3	11.6	12.7	13.9	13.3	14.2	11.6	13.8	15.4	
9/3	11.0	5.8	8.0	8.5	9.7	11.5	12.7	14.3	13.5	14.4	11.6	13.3	15.2	
9/4	11.1	5.9	8.6	8.8	9.8	11.6	12.8	14.0	13.4	14.6	11.7	13.3	15.3	
9/5	11.3	6.0	8.7	8.9	10.3	11.7	13.0	14.2	13.5	14.6	11.8	13.2	15.3	
9/6	11.5	6.1	9.0	9.0	10.2	11.9	13.3	14.4	13.8	15.3	12.0	13.5	16.2	
9/7	11.7	6.1	8.9	9.0	10.2	12.0	13.4	14.7	13.9	15.5	12.0	14.1	16.4	
9/8	11.9	6.1	9.0	9.1	10.2	12.0	13.6	14.7	14.0	15.7	12.0	13.6	16.5	
9/9	12.0	6.1	9.0	9.1	10.3	11.9	13.7	14.7	13.9	23.6	11.9	13.3	16.3	
9/10	12.1	6.0	8.3	8.9	9.8	11.9	13.8	14.5	13.8	15.0	11.9	13.2	15.8	
9/11	12.2	5.9	8.0	8.4	9.4	11.9	13.8	14.3	13.7	14.9	11.8	13.1	15.5	
9/12	12.1	5.9	8.1	8.5	9.5	11.8	13.8	14.2	13.9	15.3	11.6	13.1	15.8	
9/13	11.9	5.9	8.2	8.5	9.7	11.6	13.8	14.4	14.0	15.8	11.8	14.0	16.0	
9/14	11.6	5.9	8.0	8.3	9.3	11.8	13.8	14.3	13.8	15.4	11.6	13.3	15.6	
9/15	11.3	6.0	8.4	8.7	9.6	11.6	13.6	14.1	13.6	23.4	11.4	13.2	15.3	
9/16	11.0	5.8	8.0	8.7	9.5	11.4	13.5	13.8	13.6	14.7	11.5	13.2	15.0	
9/17	10.7	5.7	7.7	7.9	8.6	11.4	13.5	13.5	13.4	14.6	11.4	13.2	15.0	
9/18	10.5	5.8	7.4	7.9	8.7	11.3	13.5	13.5	13.3	14.3	11.4	12.8	14.4	
9/19	10.4	5.8	7.3	7.8	8.9	11.4	13.4	13.5	13.5	14.9	11.6	13.5	14.5	
9/20	10.5	5.9	7.6	8.0	9.0	11.5	13.3	13.6	13.6	15.0	11.5	13.0	14.9	
9/21	10.7	5.9	7.8	8.2	8.9	11.5	13.3	13.6	13.5	15.0	11.3	13.1	15.0	
9/22	10.8	5.8	7.8	8.2	9.2	11.2	13.4	13.5	13.5	14.8	11.4	13.3	15.1	
9/23	10.8	5.8	7.5	7.8	8.5	11.4	13.4	13.3	13.3	14.4	11.4	12.8	14.6	
9/24	10.8	5.9	8.0	8.5	9.2	11.3	13.1	13.2	13.0	14.3	11.5	13.0	13.7	
9/25	10.7	6.0	7.6	8.1	8.8	11.5	13.0	13.1	12.9	14.3	11.5	12.7	13.7	
9/26	10.5	6.1	7.9	8.2	9.0	11.4	12.9	13.1	13.4	15.1	11.4	13.0	14.7	
9/27	10.2	6.0	7.6	8.0	8.7	11.4	12.9	13.3	13.3	14.6	11.1	13.0	14.4	
9/28		5.8	7.0	7.7	8.4	11.0	12.6	13.1	12.7	13.9	11.0	12.7	13.8	
9/29		5.8	7.2	7.7	8.1	10.9	12.4	12.7	12.7	13.7	10.8	12.2	13.4	
9/30		5.8	7.5	8.1	8.7	10.7	12.2	12.6	12.4	13.7	10.7	12.6	12.9	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

DATE	(SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	RM 14.1	RM 13.2		
10/1		5.8	7.5	8.0	8.6	10.5	12.3	12.4	12.3	13.6	10.5	12.3	12.7	
10/2		5.8	7.3	7.7	8.0	9.6	12.2	12.2	12.4	13.4	10.7	12.1	12.5	
10/3		5.8	7.1	7.6	8.1	9.7	12.0	12.1	12.1	13.0	10.2	11.8	12.1	
10/4		5.7	7.0	7.6	8.1	9.5	11.7	11.9	11.5	12.4	10.2	11.6	11.6	
10/5		5.8	7.0	7.5	8.0	9.5	11.6	11.6	11.8	12.7	10.1	11.7	12.1	
10/6		5.7	7.2	7.7	8.2	9.5	11.4	11.6	11.7	12.7	10.2	11.8	12.0	
10/7		5.7	7.1	7.6	8.2	9.3	11.2	11.6	11.7	12.6	10.1	11.6	11.9	
10/8		5.6	7.5	8.0	8.3	8.6	10.9	11.5	11.4	12.2	10.3	11.3	11.4	
10/9		5.6	7.1	7.7	8.3	8.8	10.6	11.1	11.0	11.6	9.8	10.3	10.4	
10/10		5.6	7.0	7.6	8.1	8.4	10.5	10.7	10.7	11.4	9.5	10.5	10.5	
10/11		5.6	6.8	7.3	7.7	8.3	10.3	10.6	10.6	11.4	9.4	10.3	10.5	
10/12		5.7	6.9	7.3	7.8	8.1	10.1	10.5	10.5	11.3	9.2	10.5	10.6	
10/13		5.6	6.7	7.2	7.5	7.7	9.9	10.4	10.3	10.7	9.0	10.1	10.2	
10/14		5.7	7.0	7.4	7.8	8.2	9.7	10.2	10.3	11.1	9.1	10.3	10.6	
10/15		5.7	6.9	7.2	7.5	8.1	9.6	10.1	10.2	10.8	9.2	9.6	9.9	
10/16		5.7	6.9	7.2	7.6	7.9	9.6	10.0	10.2	11.0	9.1	9.9	10.0	
10/17		5.7	7.2	7.7	7.9	8.3	9.5	10.0	9.9	10.7	9.2	10.0	10.0	
10/18		5.8	7.3	7.7	8.1	8.1	9.4	9.8	9.8	10.3	9.1	9.8	9.8	
10/19		5.8	7.8	8.2	8.3	8.4	9.4	9.9	9.7	10.0	9.0	9.3	8.4	
10/20		5.7	7.5	7.8	8.2	8.7	9.5	9.8	9.9	10.6	8.9	9.7	9.0	
10/21		5.7	6.8	7.1	7.4	8.0	9.4	9.8	9.8	10.3	8.7	9.6	8.9	
10/22		5.7	6.5	6.9	7.3	7.5	9.3	9.6	9.6	10.3	8.6	9.3	8.6	
10/23		5.6	6.8	7.1	7.3	7.4	9.1	9.2	9.2	9.7	8.4	9.1	8.5	
10/24		5.7	7.1	7.4	7.5	7.5	8.9	9.0	9.2	9.6	8.5	9.1	8.4	
10/25		5.9	7.8	8.1	8.3	8.3	8.8	9.1	9.2	9.5	9.0	8.6	7.3	
10/26		5.8	7.7	8.1	8.4	8.7	8.5	9.2	9.4	9.9	8.9	8.9	8.0	
10/27		5.8	7.4	7.7	8.1	8.2	8.3	9.2	9.0	9.4	8.7	8.6	7.7	
10/28		5.6	6.7	7.0	7.5	7.6	8.1	8.8	8.7	9.2	8.0	8.3	7.6	
10/29		5.5	6.1	6.3	6.6	6.7	7.9	8.2	8.2	8.4	7.3	7.5	7.0	
10/30		5.5	5.8	6.0	6.2	6.3	7.7	7.7	8.1	8.6	7.3	7.4	6.8	
10/31		5.7	6.2	6.3	6.6	6.6	7.6	7.6	8.3	8.6	7.4	7.3	6.9	

Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

DATE	(SFK)	Sultan River									Big Four Creek		Skykomish River	
		RM 15.8	RM 14.3	RM 12.8	RM 11.3	RM 9.8	RM 9.6	RM 4.9	RM 4.4	RM 0.2	RM 14.1	RM 13.2		
11/1		5.5	6.1	6.2	6.4	6.6	7.3	7.7	7.9	8.3	7.0	7.2	7.3	
11/2		5.7	6.3	6.4	6.5	6.5	7.1	7.5	7.7	8.2	7.1	7.1	7.2	
11/3		5.5	6.0	6.1	6.1	6.1	6.8	7.2	7.5	7.9	6.6	6.8	6.8	
11/4		5.5	5.7	5.8	6.1	6.2	6.6	7.0	7.6	7.7	6.5	6.8	6.6	
11/5		5.6	5.9	6.0	6.1	6.1	6.5	6.8	7.4	8.0	6.9	6.7	6.9	
11/6		5.7	6.0	6.1	6.4	6.6	6.5	7.1	7.8	8.2	6.9	7.3	7.3	
11/7		5.6	5.6	5.6	5.8	5.8	6.4	7.0	7.3	7.6	6.3	6.8	6.7	
11/8		5.5	5.3	5.4	5.5	5.4	6.4	6.6	7.2	7.3	6.0	6.6	6.3	
11/9		5.5	5.1	5.0	5.0	5.0	6.3	6.1	7.0	6.9	5.8	5.6	5.6	
11/10		5.6	5.5	5.5	5.6	5.6	6.3	6.0	7.4	6.8	6.2	5.9	5.8	
11/11		5.7	5.8	5.8	5.9	6.1	6.3	6.3	7.4	7.4	6.3	6.4	6.5	
11/12		5.7	5.7	5.7	5.9	6.1	6.1	6.5	7.4	7.3	6.1	6.7	6.6	
11/13		6.0	5.4	5.4	5.5	5.5	5.9	6.3	7.4	6.7	6.2	6.0	5.9	
11/14		6.1	5.4	5.3	5.4	5.4	5.7	5.9	7.4	6.6	5.8	5.8	5.4	
11/15		5.7	5.1	5.0	5.0	5.0	5.4	5.6	7.4	6.3	5.6	5.0	5.2	
11/16		5.7	5.2	5.1	5.3	5.3	5.3	5.2	6.7	6.0	5.5	5.0	5.2	
11/17		5.4	4.9	4.8	5.0	5.0	5.1	5.0	6.6	6.0	5.1	5.1	5.2	
11/18		5.5	4.8	4.6	4.8	4.9	4.9	5.3	6.7	5.9	5.3	4.8	5.0	
11/19		6.0	4.9	4.9	5.1	5.1	4.8	5.4	6.8	5.8	5.9	4.7	4.8	
11/20		6.1	5.4	5.3	5.5	5.6	4.9	5.7	7.3	6.2	5.6	4.9	5.1	
11/21		5.5	4.9	4.8	5.1	5.2	5.0	5.5	7.1	6.1	5.3	4.9	5.0	
11/22		5.1	4.8	4.8	5.0	5.1	5.1	5.3	6.3	5.8	5.0	4.8	4.9	
11/23		4.9	4.6	4.5	4.8	4.8	5.3	5.1	6.2	5.6	5.3	4.8	4.9	
11/24		5.2	4.9	4.9	5.1	5.2	5.5	5.7	6.5	5.9	5.9	4.9	5.0	
11/25		5.3	5.0	5.1	5.4	5.6	5.7	6.0	6.6	6.0	6.0	5.0	5.1	
11/26		5.2	5.1	5.2	5.6	5.7	5.7	6.1	6.8	6.1	5.6	5.2	5.3	
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Appendix C - 2011 Seven-Day Average of the Daily Maximum Water Temperature in Tabular Format

APPENDIX D

Consultation Documentation

Presler, Dawn

From: Presler, Dawn
Sent: Thursday, April 05, 2012 10:31 AM
To: 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; 'Maynard, Chris (ECY)'; 'Loren Everest - USFS'; 'Leonetti, Frank'; 'brock.applegate@dfw.wa.gov'; 'Abby Hook'; 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'
Cc: Binkley, Keith; Moore, Kim
Subject: Jackson (P2157) - draft FHM Plan for your 30-day review
Attachments: DRAFT 2011 FHMP Annual Report.pdf

Dear ARC Members:

Attached is the draft Fisheries and Habitat Monitoring Plan Annual Report for the calendar year 2011. Please take the next 30-days to review and provide comments on the draft Annual Report. Please send comments to Keith (and cc: me) by May 7. A lack of response will be deemed approved of the report as written.

We can also discuss any comments/questions you may have on the attached during our ARC conference call on April 18.

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, April 18, 2012 11:30 AM
To: 'Anne Savery'
Cc: Binkley, Keith
Subject: FW: Jackson (P2157) - draft FHM Plan for your 30-day review
Attachments: DRAFT 2011 FHMP Annual Report.pdf

Here's the draft. Comments by May 7. Thanks!

Dawn

From: Presler, Dawn
Sent: Thursday, April 05, 2012 10:31 AM
To: 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; 'Maynard, Chris (ECY)'; 'Loren Everest - USFS'; 'Leonetti, Frank'; 'brock.applegate@dfw.wa.gov'; 'Abby Hook'; 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'
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PO Box 1107
Everett, WA 98206-1107

Presler, Dawn

From: Anne Savery [asavery@tulaliptribes-nsn.gov]
Sent: Tuesday, May 08, 2012 11:38 AM
To: Presler, Dawn
Subject: RE: ARC - draft meeting summary and reminder

Follow Up Flag: Follow up
Flag Status: Flagged

Dawn

I had the date as May 8 in my mind, but regardless, I have no comments on the draft report or meeting summary.

Thanks
Anne

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

-----Original Message-----

From: Presler, Dawn [<mailto:DJPresler@SNOPUD.com>]
Sent: Fri 4/27/2012 12:39 PM
To: 'tim_romanski@fws.gov'; 'Loren Everest - USFS'; Anne Savery; 'Jim Miller'; 'Deborah Knight - Sultan'; 'Maynard, Chris (ECY)'; 'James (ECY) Pacheco'; 'mkan461@ecy.wa.gov'; 'brock.applegate@dfw.wa.gov'; 'Leonetti, Frank'
Cc: 'Steven Fransen'; 'Thomas O'Keefe'; Binkley, Keith; Moore, Kim
Subject: ARC - draft meeting summary and reminder

Dear ARC Members:

Attached are the draft meeting summary and presentation from our ARC meeting last week. Please review and provide edits, if any, on the draft meeting summary by May 7.

Reminder - comments on the Fisheries and Habitat Monitoring Plan Annual Report are due by May 7 as well. (The draft annual report was sent to you on April 5.)

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, May 14, 2012 9:31 AM
To: 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; 'Maynard, Chris (ECY)'; 'Loren Everest - USFS'; 'Leonetti, Frank'; 'brock.applegate@dfw.wa.gov'; 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'; 'mick.matheson@ci.sultan.wa.us'
Cc: Binkley, Keith; Moore, Kim; 'Anne Savery'
Subject: RE: Jackson (P2157) - draft FHM Plan for your 30-day review

Hi ARC Members:

I wanted to verify that there were no written comments sent to me for the draft Fish and Habitat Monitoring Plan Annual Report, as the deadline has passed (with the exception of Anne's no comments email – thanks for sending). If you have comments on the draft, please email them to me/Keith ASAP but no later than this Wednesday COB so it can be finalized and filed with the FERC.

Dawn

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Generation Resources
(425) 783-1709

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

Presler, Dawn

From: Leonetti, Frank [frank.leonetti@snoco.org]
Sent: Monday, May 14, 2012 5:01 PM
To: Presler, Dawn
Subject: RE: Jackson (P2157) - draft FHM Plan for your 30-day review

Dawn I don't have any comments on the FHMP Annual rpt. – Frank

Frank Leonetti
frank.leonetti@snoco.org
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

From: Presler, Dawn [<mailto:DJPresler@SNOPUD.com>]
Sent: Monday, May 14, 2012 9:31 AM
To: 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; 'Maynard, Chris (ECY)'; 'Loren Everest - USFS'; Leonetti, Frank; 'brock.applegate@dfw.wa.gov'; 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'; 'mick.matheson@ci.sultan.wa.us'
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Generation Resources
(425) 783-1709

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

Presler, Dawn

From: Applegate, Brock A (DFW) [Brock.Applegate@dfw.wa.gov]
Sent: Monday, May 14, 2012 2:37 PM
To: Presler, Dawn; 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; Maynard, Chris (ECY); 'Loren Everest - USFS'; 'Leonetti, Frank'; 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'; 'mick.matheson@ci.sultan.wa.us'
Cc: Binkley, Keith; Moore, Kim; 'Anne Savery'
Subject: RE: Jackson (P2157) - draft FHM Plan for your 30-day review

Hi Dawn, WDFW staff has reviewed the plan and we have no comments.

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: Monday, May 14, 2012 9:31 AM
To: 'tim_romanski@fws.gov'; 'steven.m.fransen@noaa.gov'; Maynard, Chris (ECY); 'Loren Everest - USFS'; 'Leonetti, Frank'; Applegate, Brock A (DFW); 'Deborah Knight - Sultan'; 'Jim Miller'; 'Okeefe@americanwhitewater.org'; 'mick.matheson@ci.sultan.wa.us'
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