NECHAKO RIVER FLOW CONTROL 1999/2000

NECHAKO FISHERIES CONSERVATION PROGRAM
Data Report No. RM99-3

Prepared by:
Triton Environmental Consultants Ltd.

February 2001

Contents

List of Figures

List of Tables

ABSTRACT

The objective of the 1999/2000 Nechako River Flow Control Project was to ensure release of the Short Term Annual Water Allocation (STWA), as defined in the 1987 Settlement Agreement (Anon. 1987) (a mean release of 36.8 m^3/s at Skins Lake Spillway and an approximate mean annual flow of 41.7 m^3/s in the Nechako River below Cheslatta Falls). Spilling beyond that required for the Short Term Annual Water Allocation occurred throughout the period resulting in higher than normal discharges. The recorded mean annual Skins Lake Spillway release was 51.4 m^3/s, and the mean annual flow in the Nechako River below Cheslatta Falls was recorded at 55.5 m^3/s. Excluding summer cooling water releases, the calculated mean annual Skins Lake Spillway release attributable to the STWA was 37.0 m^3/s.

INTRODUCTION

The 1987 Settlement Agreement specifies the Short Term and Long Term Annual Water Allocation from Nechako Reservoir and the Short Term and Long Term flow regime in the Nechako River below Cheslatta Falls. The Short Term Annual Water Allocation is specified as a mean annual release of 36.8 m^3/s at Skins Lake Spillway and an approximate mean annual flow of 41.7 m^3/s in the Nechako River below Cheslatta Falls.

This report provides a summary of recorded mean daily Skins Lake Spillway releases and flows in the Nechako River below Cheslatta Falls for the period April 1, 1999 to March 31, 2000. Also included is a comparison of recorded mean monthly flows and Short Term Flow Regime, defined in the Settlement Agreement, for Skins Lake Spillway and the Nechako River below Cheslatta Falls.

OBJECTIVE AND RATIONALE

The objective of the Nechako River flow management project is to ensure release of the Short Term Annual Water Allocation. This objective is to be achieved by scheduling Nechako Reservoir releases appropriately to ensure the water allocation is utilized. Direction on the rate, timing and duration of Skins Lake Spillway releases is provided to Alcan Aluminium Ltd. (Alcan) by the Nechako Fisheries Conservation Program (NFCP) Technical Committee.

DATA REQUIREMENTS AND SOURCES

Project data requirements include mean daily Skins Lake Spillway releases and mean daily flows in the Nechako River below Cheslatta Falls. Data presented in the report for the period April 1, 1999 to March 31, 2000 are preliminary Water Survey of Canada (WSC) data and therefore, may vary slightly from the published WSC data for this period.

RESULTS

A comparison of Settlement Agreement and operational mean monthly Skins Lake Spillway releases is presented in Figure 1. The operational release is defined as the Water Survey of Canada recorded release made by Alcan, less forced spills and additional flows as required for cooling purposes, as per the 1999 Summer Water Temperature and Flow Management Project (Triton 1999). The operational mean annual release for the 1999/2000 water year was 37.0 m^3/s. The Settlement Agreement Short Term annual water allocation specifies a mean annual release of 36.8 m^3/s.

The operational release in excess of the specified 36.8 m^3/s is due to the nature of the spillway gate setting schedule (especially during winter months) in response to changing reservoir water surface elevations. Spillway gate settings are established by Alcan in response to direction received from the NFCP Technical Committee and are based on the current reservoir water surface elevation and anticipated reservoir inflow. During ice free conditions the spillway set-

tings are reviewed periodically, typically weekly, to ensure the requested releases are achieved. Each year, during the fall, Alcan sets the gate(s) once for the entire upcoming winter. The winter release is typically set above the requested release in anticipation of the decreasing reservoir water surface elevation over the winter months. This release regulation scheme results in differences between the recorded releases and directions provided by the NFCP Technical Committee.

A comparison of recorded and Settlement Agreement mean monthly flows in the Nechako River below Cheslatta Falls is presented in Figure 2. The Settlement Agreement Short Term annual water allocation specifies an approximate mean annual flow of 41.7 m^3/s in the Nechako River below Cheslatta Falls (plus additional flows as required for cooling purposes). Recorded mean daily Skins Lake Spillway releases and flow in the Nechako River below Cheslatta Falls for the 1999/2000 water year are presented in Table 1. The recorded mean annual Skins Lake Spillway release (including summer cooling water releases and spills) was 51.4 m^3/s. The recorded mean annual flow in the Nechako River below Cheslatta falls was 55.5 m^3/s.

The calculated inflow between the measuring stations at the Skins Lake Spillway and Nechako River below Cheslatta Falls is subject to gauging error in either, or both gauges. During dry years, the inflow may be less than the combined gauging error (approximately plus or minus 5% for each gauge) resulting in a recorded negative inflow between upstream and downstream gauging stations. During wet years, similar gauging error may be present, but the inflow may be in excess of the combined gauging error resulting in recorded positive inflow, although possibly less than the actual inflow.

Figure 1
Comparison Between Recorded and Settlement Agreement
Skins Lake Spillway Releases, April 1999 to March 2000

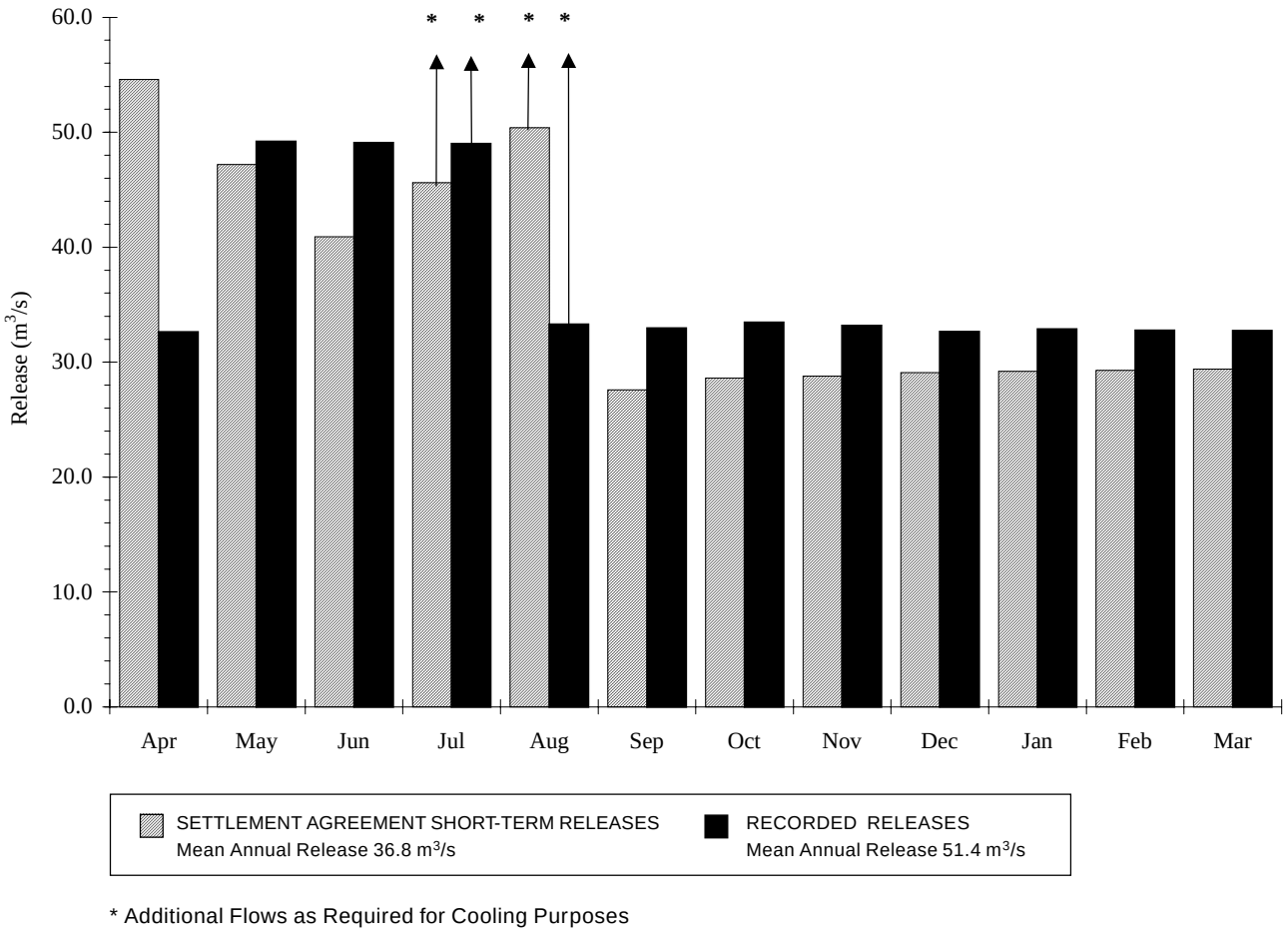
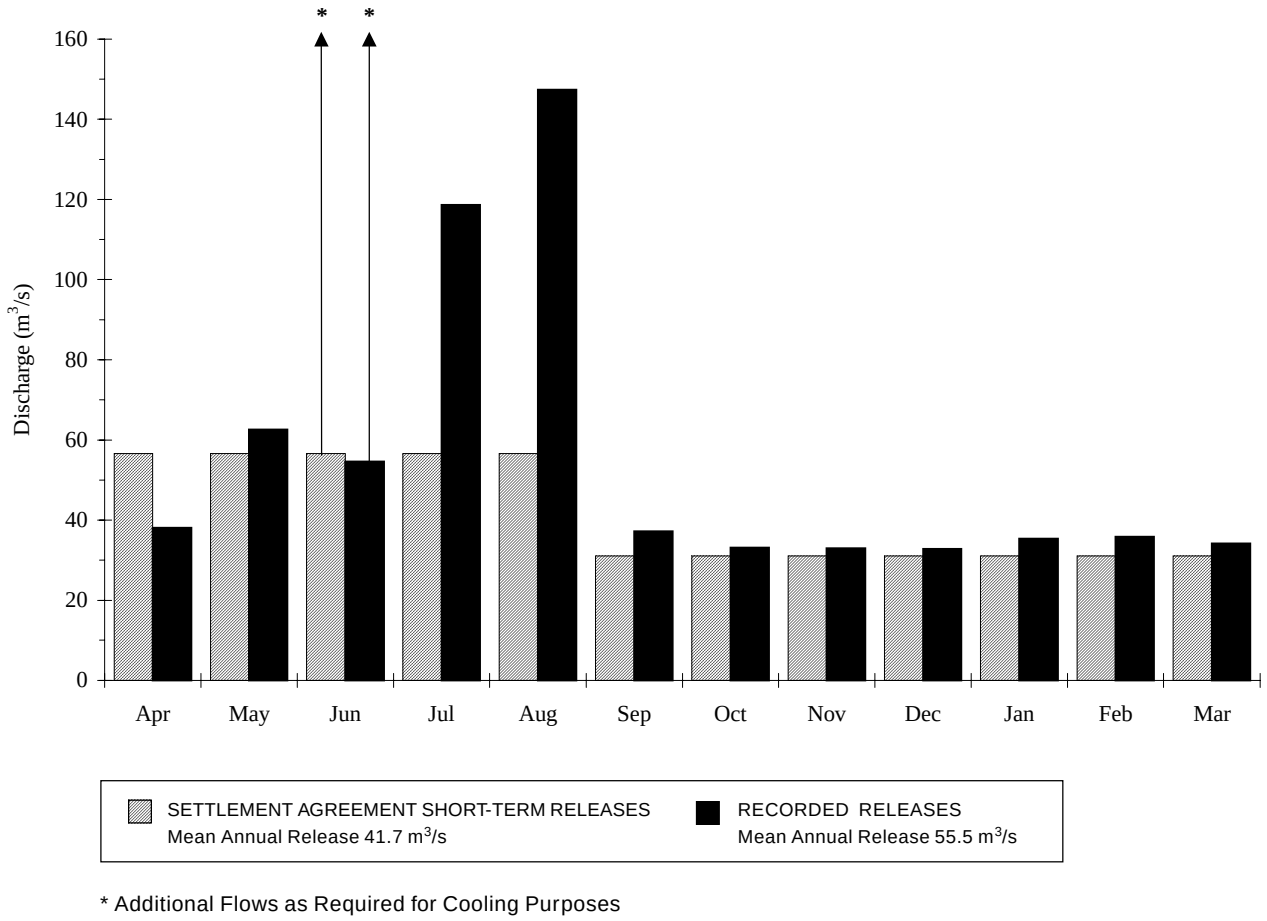


Figure 2
Comparison Between Recorded and Settlement Agreement
Nechako River Flows Below Cheslatta Falls, April 1999 to March 2000



* Additional Flows as Required for Cooling Purposes

REFERENCES

Anonymous. 1987. Settlement Agreement 1997.

Triton Environmental Consultants Ltd. 1999. The 1999 Summer Water Temperature and Flow Management Project. Nechako Fisheries Conservation Program Technical Report No. RM99-1.

Table 1
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Note: Records are preliminary WSC data

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Apr-01	29.5	1,042	32.6	1,151
Apr-02	29.5	1,042	32.7	1,155
Apr-03	29.5	1,042	32.7	1,155
Apr-04	29.5	1,042	32.4	1,144
Apr-05	29.4	1,038	31.8	1,123
Apr-06	29.4	1,038	31.7	1,119
Apr-07	29.4	1,038	31.7	1,119
Apr-08	29.4	1,038	32.1	1,134
Apr-09	29.4	1,038	32.1	1,134
Apr-10	29.3	1,035	32.0	1,130
Apr-11	29.3	1,035	32.3	1,141
Apr-12	29.3	1,035	32.3	1,141
Apr-13	29.3	1,035	32.0	1,130
Apr-14	29.3	1,035	31.7	1,119
Apr-15	29.2	1,031	32.0	1,130
Apr-16	29.2	1,031	32.3	1,141
Apr-17	29.2	1,031	32.3	1,141
Apr-18	29.2	1,031	32.8	1,158
Apr-19	29.3	1,035	35.4	1,250
Apr-20	29.3	1,035	37.8	1,335
Apr-21	29.3	1,035	39.1	1,381
Apr-22	29.3	1,035	40.1	1,416
Apr-23	29.3	1,035	42.8	1,511
Apr-24	29.3	1,035	46.2	1,632
Apr-25	29.3	1,035	49.6	1,752
Apr-26	49.0	1,730	51.4	1,815
Apr-27	49.0	1,730	52.7	1,861
Apr-28	49.1	1,734	54.2	1,914
Apr-29	49.1	1,734	55.5	1,960
Apr-30	49.1	1,734	57.5	2,031
May-01	49.2	1,737	59.2	2,091
May-02	49.2	1,737	60.8	2,147
May-03	49.2	1,737	62.1	2,193
May-04	49.2	1,737	63.3	2,235
May-05	49.2	1,737	63.8	2,253
May-06	49.3	1,741	64.3	2,271
May-07	49.4	1,745	65.0	2,295
May-08	49.4	1,745	65.0	2,295
May-09	49.4	1,745	65.2	2,303
May-10	49.4	1,745	65.0	2,295
May-11	49.4	1,745	64.7	2,285

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
May-12	49.5	1,748	64.8	2,288
May-13	49.5	1,748	65.0	2,295
May-14	49.5	1,748	64.7	2,285
May-15	49.5	1,748	64.5	2,278
May-16	49.6	1,752	64.3	2,271
May-17	48.8	1,723	64.5	2,278
May-18	48.8	1,723	65.0	2,295
May-19	48.9	1,727	65.2	2,303
May-20	48.9	1,727	65.4	2,310
May-21	49.0	1,730	63.5	2,243
May-22	49.0	1,730	60.9	2,151
May-23	49.1	1,734	60.6	2,140
May-24	49.3	1,741	60.3	2,129
May-25	49.4	1,745	60.3	2,129
May-26	48.7	1,720	60.1	2,122
May-27	48.8	1,723	59.6	2,105
May-28	49.0	1,730	59.4	2,098
May-29	49.0	1,730	58.9	2,080
May-30	49.1	1,734	57.9	2,045
May-31	49.2	1,737	58.2	2,055
Jun-01	49.3	1,741	58.4	2,062
Jun-02	49.4	1,745	57.9	2,045
Jun-03	48.7	1,720	57.5	2,031
Jun-04	48.8	1,723	57.4	2,027
Jun-05	48.9	1,727	57.2	2,020
Jun-06	49.1	1,734	56.9	2,009
Jun-07	49.2	1,737	56.2	1,985
Jun-08	49.3	1,741	56.2	1,985
Jun-09	49.4	1,745	55.7	1,967
Jun-10	48.6	1,716	56.4	1,992
Jun-11	48.8	1,723	55.8	1,971
Jun-12	48.9	1,727	54.2	1,914
Jun-13	49.1	1,734	53.9	1,903
Jun-14	49.2	1,737	53.9	1,903
Jun-15	48.6	1,716	53.9	1,903
Jun-16	48.8	1,723	54.0	1,907
Jun-17	49.0	1,730	54.0	1,907
Jun-18	49.3	1,741	53.9	1,903
Jun-19	49.4	1,745	53.9	1,903
Jun-20	49.5	1,748	53.9	1,903
Jun-21	48.8	1,723	53.7	1,896

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Jun-22	48.9	1,727	53.5	1,889
Jun-23	49.0	1,730	53.2	1,879
Jun-24	49.1	1,734	52.7	1,861
Jun-25	49.2	1,737	52.7	1,861
Jun-26	49.4	1,745	52.4	1,851
Jun-27	49.5	1,748	51.9	1,833
Jun-28	49.6	1,752	51.7	1,826
Jun-29	49.2	1,737	51.9	1,833
Jun-30	48.9	1,727	52.0	1,836
Jul-01	49.0	1,730	53.2	1,879
Jul-02	49.2	1,737	54.5	1,925
Jul-03	49.4	1,745	55.3	1,953
Jul-04	49.5	1,748	56.2	1,985
Jul-05	49.6	1,752	56.5	1,995
Jul-06	49.6	1,752	56.9	2,009
Jul-07	48.8	1,723	57.2	2,020
Jul-08	49.0	1,730	57.5	2,031
Jul-09	49.0	1,730	56.7	2,002
Jul-10	49.1	1,734	56.7	2,002
Jul-11	107.0	3,779	56.2	1,985
Jul-12	226.5	7,999	59.2	2,091
Jul-13	226.5	7,999	73.9	2,610
Jul-14	226.5	7,999	92.7	3,274
Jul-15	226.5	7,999	112.0	3,955
Jul-16	226.5	7,999	128.0	4,520
Jul-17	226.5	7,999	143.0	5,050
Jul-18	226.5	7,999	158.0	5,580
Jul-19	193.9	6,848	170.0	6,004
Jul-20	169.9	6,000	175.0	6,180
Jul-21	264.3	9,334	175.0	6,180
Jul-22	309.9	10,944	191.0	6,745
Jul-23	14.2	501	208.0	7,346
Jul-24	105.0	3,708	186.0	6,569
Jul-25	169.9	6,000	170.0	6,004
Jul-26	169.9	6,000	168.0	5,933
Jul-27	169.9	6,000	168.0	5,933
Jul-28	169.9	6,000	170.0	6,004
Jul-29	169.9	6,000	171.0	6,039
Jul-30	169.9	6,000	171.0	6,039
Jul-31	169.9	6,000	170.0	6,004
Aug-01	169.9	6,000	171.0	6,039

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Aug-02	169.9	6,000	171.0	6,039
Aug-03	259.9	9,178	171.0	6,039
Aug-04	308.2	10,884	189.0	6,675
Aug-05	139.2	4,916	206.0	7,275
Aug-06	453.1	16,001	204.0	7,204
Aug-07	381.1	13,459	242.0	8,546
Aug-08	194.8	6,879	268.0	9,464
Aug-09	15.3	540	258.0	9,111
Aug-10	15.3	540	224.0	7,911
Aug-11	111.9	3,952	192.0	6,780
Aug-12	169.9	6,000	175.0	6,180
Aug-13	169.9	6,000	171.0	6,039
Aug-14	169.9	6,000	170.0	6,004
Aug-15	169.9	6,000	170.0	6,004
Aug-16	169.9	6,000	170.0	6,004
Aug-17	117.8	4,160	169.0	5,968
Aug-18	15.2	537	163.0	5,756
Aug-19	15.2	537	145.0	5,121
Aug-20	15.2	537	128.0	4,520
Aug-21	15.3	540	114.0	4,026
Aug-22	15.3	540	101.0	3,567
Aug-23	15.3	540	90.5	3,196
Aug-24	15.3	540	82.2	2,903
Aug-25	15.3	540	75.9	2,680
Aug-26	15.3	540	69.3	2,447
Aug-27	15.3	540	63.8	2,253
Aug-28	15.3	540	59.2	2,091
Aug-29	15.3	540	55.3	1,953
Aug-30	15.3	540	51.6	1,822
Aug-31	21.2	749	48.1	1,699
Sep-01	33.0	1,165	45.1	1,593
Sep-02	33.0	1,165	43.0	1,519
Sep-03	33.0	1,165	41.8	1,476
Sep-04	33.0	1,165	41.0	1,448
Sep-05	33.0	1,165	40.3	1,423
Sep-06	33.0	1,165	39.9	1,409
Sep-07	33.0	1,165	39.5	1,395
Sep-08	33.0	1,165	38.5	1,360
Sep-09	33.0	1,165	38.4	1,356
Sep-10	33.0	1,165	38.4	1,356
Sep-11	33.0	1,165	37.9	1,338

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Sep-12	33.0	1,165	37.2	1,314
Sep-13	33.0	1,165	36.6	1,293
Sep-14	33.0	1,165	36.6	1,293
Sep-15	33.0	1,165	36.3	1,282
Sep-16	33.0	1,165	36.0	1,271
Sep-17	32.9	1,162	35.9	1,268
Sep-18	32.9	1,162	35.6	1,257
Sep-19	32.9	1,162	35.4	1,250
Sep-20	32.9	1,162	35.4	1,250
Sep-21	32.9	1,162	35.2	1,243
Sep-22	32.9	1,162	35.0	1,236
Sep-23	32.9	1,162	35.0	1,236
Sep-24	32.9	1,162	34.9	1,232
Sep-25	32.9	1,162	34.7	1,225
Sep-26	32.9	1,162	34.7	1,225
Sep-27	32.8	1,158	34.3	1,211
Sep-28	32.8	1,158	34.1	1,204
Sep-29	32.8	1,158	34.1	1,204
Sep-30	32.8	1,158	34.0	1,201
Oct-01	32.8	1,158	34.0	1,201
Oct-02	32.8	1,158	33.7	1,190
Oct-03	32.7	1,155	33.7	1,190
Oct-04	32.7	1,155	33.7	1,190
Oct-05	33.4	1,180	33.6	1,187
Oct-06	33.7	1,190	33.1	1,169
Oct-07	33.7	1,190	32.8	1,158
Oct-08	33.7	1,190	32.8	1,158
Oct-09	33.7	1,190	32.8	1,158
Oct-10	33.7	1,190	32.8	1,158
Oct-11	33.7	1,190	32.8	1,158
Oct-12	33.6	1,187	32.8	1,158
Oct-13	33.7	1,190	32.8	1,158
Oct-14	33.6	1,187	32.8	1,158
Oct-15	33.6	1,187	32.8	1,158
Oct-16	33.6	1,187	32.8	1,158
Oct-17	33.6	1,187	33.0	1,165
Oct-18	33.6	1,187	33.1	1,169
Oct-19	33.5	1,183	33.1	1,169
Oct-20	33.6	1,187	33.1	1,169
Oct-21	33.5	1,183	33.1	1,169
Oct-22	33.5	1,183	33.1	1,169

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Oct-23	33.5	1,183	33.1	1,169
Oct-24	33.5	1,183	33.1	1,169
Oct-25	33.5	1,183	33.1	1,169
Oct-26	33.5	1,183	33.1	1,169
Oct-27	33.5	1,183	33.0	1,165
Oct-28	33.5	1,183	32.8	1,158
Oct-29	33.5	1,183	33.1	1,169
Oct-30	33.5	1,183	33.3	1,176
Oct-31	33.4	1,180	33.4	1,180
Nov-01	33.4	1,180	33.4	1,180
Nov-02	33.4	1,180	32.8	1,158
Nov-03	33.4	1,180	33.0	1,165
Nov-04	33.4	1,180	33.3	1,176
Nov-05	33.3	1,176	33.3	1,176
Nov-06	33.3	1,176	33.3	1,176
Nov-07	33.3	1,176	33.3	1,176
Nov-08	33.3	1,176	33.3	1,176
Nov-09	33.3	1,176	33.3	1,176
Nov-10	33.3	1,176	33.3	1,176
Nov-11	33.2	1,172	33.3	1,176
Nov-12	33.2	1,172	33.4	1,180
Nov-13	33.2	1,172	33.3	1,176
Nov-14	33.2	1,172	33.3	1,176
Nov-15	33.2	1,172	33.3	1,176
Nov-16	33.2	1,172	33.3	1,176
Nov-17	33.1	1,169	33.3	1,176
Nov-18	33.1	1,169	33.3	1,176
Nov-19	33.1	1,169	33.3	1,176
Nov-20	33.1	1,169	33.3	1,176
Nov-21	33.1	1,169	33.3	1,176
Nov-22	33.1	1,169	33.3	1,176
Nov-23	33.1	1,169	33.3	1,176
Nov-24	33.0	1,165	33.3	1,176
Nov-25	33.0	1,165	33.3	1,176
Nov-26	33.0	1,165	33.3	1,176
Nov-27	33.0	1,165	33.3	1,176
Nov-28	32.9	1,162	33.3	1,176
Nov-29	32.9	1,162	29.0	1,024
Nov-30	32.9	1,162	30.0	1,059
Dec-01	32.9	1,162	32.8	1,158
Dec-02	32.9	1,162	32.8	1,158

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Dec-03	32.9	1,162	32.8	1,158
Dec-04	32.8	1,158	32.8	1,158
Dec-05	32.8	1,158	32.8	1,158
Dec-06	32.9	1,162	32.8	1,158
Dec-07	32.8	1,158	32.8	1,158
Dec-08	32.8	1,158	32.8	1,158
Dec-09	32.8	1,158	32.4	1,144
Dec-10	32.8	1,158	32.4	1,144
Dec-11	32.7	1,155	32.4	1,144
Dec-12	32.7	1,155	32.4	1,144
Dec-13	32.7	1,155	32.5	1,148
Dec-14	32.7	1,155	32.5	1,148
Dec-15	32.7	1,155	32.5	1,148
Dec-16	32.7	1,155	32.5	1,148
Dec-17	32.6	1,151	32.6	1,151
Dec-18	32.6	1,151	33.1	1,169
Dec-19	32.6	1,151	33.1	1,169
Dec-20	32.6	1,151	33.1	1,169
Dec-21	32.9	1,162	33.1	1,169
Dec-22	32.9	1,162	33.1	1,169
Dec-23	32.5	1,148	33.1	1,169
Dec-24	32.5	1,148	33.1	1,169
Dec-25	32.5	1,148	33.1	1,169
Dec-26	32.5	1,148	33.1	1,169
Dec-27	32.4	1,144	33.1	1,169
Dec-28	32.4	1,144	33.1	1,169
Dec-29	32.4	1,144	33.1	1,169
Dec-30	32.4	1,144	33.1	1,169
Dec-31	32.3	1,141	33.1	1,169
Jan-01	32.3	1,141	32.8	1,158
Jan-02	32.3	1,141	32.9	1,162
Jan-03	32.5	1,148	32.9	1,162
Jan-04	33.3	1,176	32.9	1,162
Jan-05	33.3	1,176	32.9	1,162
Jan-06	33.2	1,172	32.9	1,162
Jan-07	33.2	1,172	33.0	1,165
Jan-08	33.2	1,172	33.1	1,169
Jan-09	33.2	1,172	33.4	1,180
Jan-10	33.1	1,169	33.4	1,180
Jan-11	33.1	1,169	33.8	1,194
Jan-12	33.1	1,169	33.9	1,197

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Jan-13	33.0	1,165	34.7	1,225
Jan-14	33.0	1,165	36.5	1,289
Jan-15	33.0	1,165	36.1	1,275
Jan-16	32.9	1,162	41.2	1,455
Jan-17	32.9	1,162	36.6	1,293
Jan-18	32.9	1,162	35.9	1,268
Jan-19	32.9	1,162	41.8	1,476
Jan-20	32.9	1,162	40.1	1,416
Jan-21	32.8	1,158	40.0	1,413
Jan-22	32.8	1,158	36.7	1,296
Jan-23	32.8	1,158	37.5	1,324
Jan-24	32.7	1,155	36.5	1,289
Jan-25	32.7	1,155	36.1	1,275
Jan-26	32.7	1,155	35.6	1,257
Jan-27	32.7	1,155	35.1	1,240
Jan-28	32.6	1,151	34.8	1,229
Jan-29	32.6	1,151	34.6	1,222
Jan-30	32.6	1,151	34.6	1,222
Jan-31	32.5	1,148	34.6	1,222
Feb-01	32.5	1,148	34.6	1,222
Feb-02	32.5	1,148	34.5	1,218
Feb-03	32.5	1,148	34.3	1,211
Feb-04	32.4	1,144	34.4	1,215
Feb-05	32.4	1,144	34.6	1,222
Feb-06	32.4	1,144	34.6	1,222
Feb-07	32.4	1,144	34.4	1,215
Feb-08	32.3	1,141	34.5	1,218
Feb-09	32.3	1,141	34.6	1,222
Feb-10	32.6	1,151	34.9	1,232
Feb-11	33.2	1,172	41.9	1,480
Feb-12	33.2	1,172	41.6	1,469
Feb-13	33.1	1,169	42.5	1,501
Feb-14	33.1	1,169	43.2	1,526
Feb-15	33.1	1,169	40.3	1,423
Feb-16	33.1	1,169	36.3	1,282
Feb-17	33.0	1,165	35.4	1,250
Feb-18	33.0	1,165	35.2	1,243
Feb-19	33.0	1,165	35.0	1,236
Feb-20	32.9	1,162	34.7	1,225
Feb-21	32.9	1,162	34.5	1,218
Feb-22	32.9	1,162	34.4	1,215

Table 1 (continued)
Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 1999/2000 Water Year (April 1, 1999 to March 31, 2000)

Date 1999/2000	Skins Lake Spillway Release		Nechako River Below Cheslatta Falls	
	(m^3/s)	(cfs)	(m^3/s)	(cfs)
Feb-23	32.8	1,158	34.3	1,211
Feb-24	32.8	1,158	34.2	1,208
Feb-25	32.8	1,158	34.2	1,208
Feb-26	32.7	1,155	34.1	1,204
Feb-27	32.7	1,155	34.1	1,204
Feb-28	32.7	1,155	34.1	1,204
Feb-29	32.7	1,155	34.1	1,204
Mar-01	32.6	1,151	34.0	1,201
Mar-02	32.6	1,151	34.1	1,204
Mar-03	32.6	1,151	34.1	1,204
Mar-04	32.5	1,148	34.1	1,204
Mar-05	32.5	1,148	34.4	1,215
Mar-06	32.5	1,148	34.4	1,215
Mar-07	32.5	1,148	34.2	1,208
Mar-08	32.4	1,144	34.1	1,204
Mar-09	32.4	1,144	34.0	1,201
Mar-10	32.3	1,141	33.9	1,197
Mar-11	32.3	1,141	33.9	1,197
Mar-12	32.3	1,141	33.6	1,187
Mar-13	32.7	1,155	33.4	1,180
Mar-14	33.2	1,172	33.5	1,183
Mar-15	33.1	1,169	33.6	1,187
Mar-16	33.1	1,169	33.8	1,194
Mar-17	33.1	1,169	34.0	1,201
Mar-18	33.1	1,169	34.2	1,208
Mar-19	33.0	1,165	34.5	1,218
Mar-20	33.0	1,165	34.5	1,218
Mar-21	33.0	1,165	34.5	1,218
Mar-22	32.9	1,162	34.6	1,222
Mar-23	32.9	1,162	34.8	1,229
Mar-24	32.9	1,162	35.0	1,236
Mar-25	32.8	1,158	34.9	1,232
Mar-26	32.8	1,158	34.5	1,218
Mar-27	32.8	1,158	34.3	1,211
Mar-28	32.8	1,158	34.4	1,215
Mar-29	32.7	1,155	34.4	1,215
Mar-30	32.7	1,155	34.4	1,215
Mar-31	32.7	1,155	34.5	1,218
Mean Annual	51.4	1,817	55.5	1,960