

**NECHAKO RIVER FLOW CONTROL  
1998/1999**

*NECHAKO FISHERIES CONSERVATION PROGRAM  
Data Report No. RM98-4*

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## ABSTRACT

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The 1998/1999 Nechako River Flow Control Project was undertaken to ensure effective release of the Short Term Annual Water Allocation, as defined in the 1987 Settlement Agreement (Anon. 1987), which specifies a mean release of 36.8 m<sup>3</sup>/s at Skins Lake Spillway with the intent of achieving a mean annual flow of 41.7 m<sup>3</sup>/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 58.3 m<sup>3</sup>/s, and the mean annual flow in the Nechako River below Cheslatta Falls was recorded at 64.1 m<sup>3</sup>/s. Excluding July and August cooling water releases and releases of excess water from the reservoir during the 1998/1999 water year (April 1, 1998 to March 31, 1999) indicate that the actual mean annual Skins Lake Spillway release was 36.8 m<sup>3</sup>/s. This report presents a comparison of recorded mean annual and mean monthly flows and the Short Term Flow Regime defined in the Settlement Agreement.

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## INTRODUCTION

The 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 specifies a mean annual release of 36.8 m<sup>3</sup>/s at Skins Lake Spillway with the intent of achieving a mean annual flow of 41.7 m<sup>3</sup>/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, 1998 to March 31, 1999. 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.

In April to June, 1998, spilling of excess water from the Nechako Reservoir occurred resulting in higher than normal discharges.

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## OBJECTIVE AND RATIONALE

The objective of the Nechako River flow management project is to ensure that the Short Term Annual Water Allocation, as set out in the Settlement Agreement is achieved effectively. This objective will be achieved by scheduling Nechako Reservoir releases appropriately to ensure the water allocation is utilized efficiently to produce a flow regime in the Nechako River most conducive to biological objectives.

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## 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 for the period April 1, 1998 to March 31, 1999 are preliminary Water Survey of Canada (WSC) data and were obtained in response to ongoing data requests to WSC.

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## 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 in response to Nechako Fisheries Conservation Program (NFCP) direction, less forced spills and additional flows as required for cooling purposes, as per the 1998 Summer Water Temperature and Flow Management Project (Triton 1998). The mean annual release for the 1998/1999 water year was 36.8 m<sup>3</sup>/s. The Settlement Agreement Short Term annual water allocation specifies a mean annual release of 36.8 m<sup>3</sup>/s.

An operational release in excess of the specified 36.8 m<sup>3</sup>/s is due to the nature of the required spillway gate settings (especially during winter months) in response to changing reservoir elevations. Spillway gate settings are established by Alcan in response to release recommendations made by Triton Environmental Consultants Ltd. (TECL) under the auspices

of the NFCP, and are based on the current reservoir elevation and anticipated reservoir inflow. During ice free conditions the spillway settings 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 elevation due to low winter inflows. This release regulation scheme may result in differences between the recorded releases and the annual water allocation specified in the Settlement Agreement.

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<sup>3</sup>/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 1998/1999 water year are presented in Table 1. The recorded mean annual Skins Lake Spillway release (including summer cooling water releases and spills) was 123.5 m<sup>3</sup>/s. The recorded mean annual flow in the Nechako River below Cheslatta falls was 136.0 m<sup>3</sup>/s.

The recorded inflow between 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.

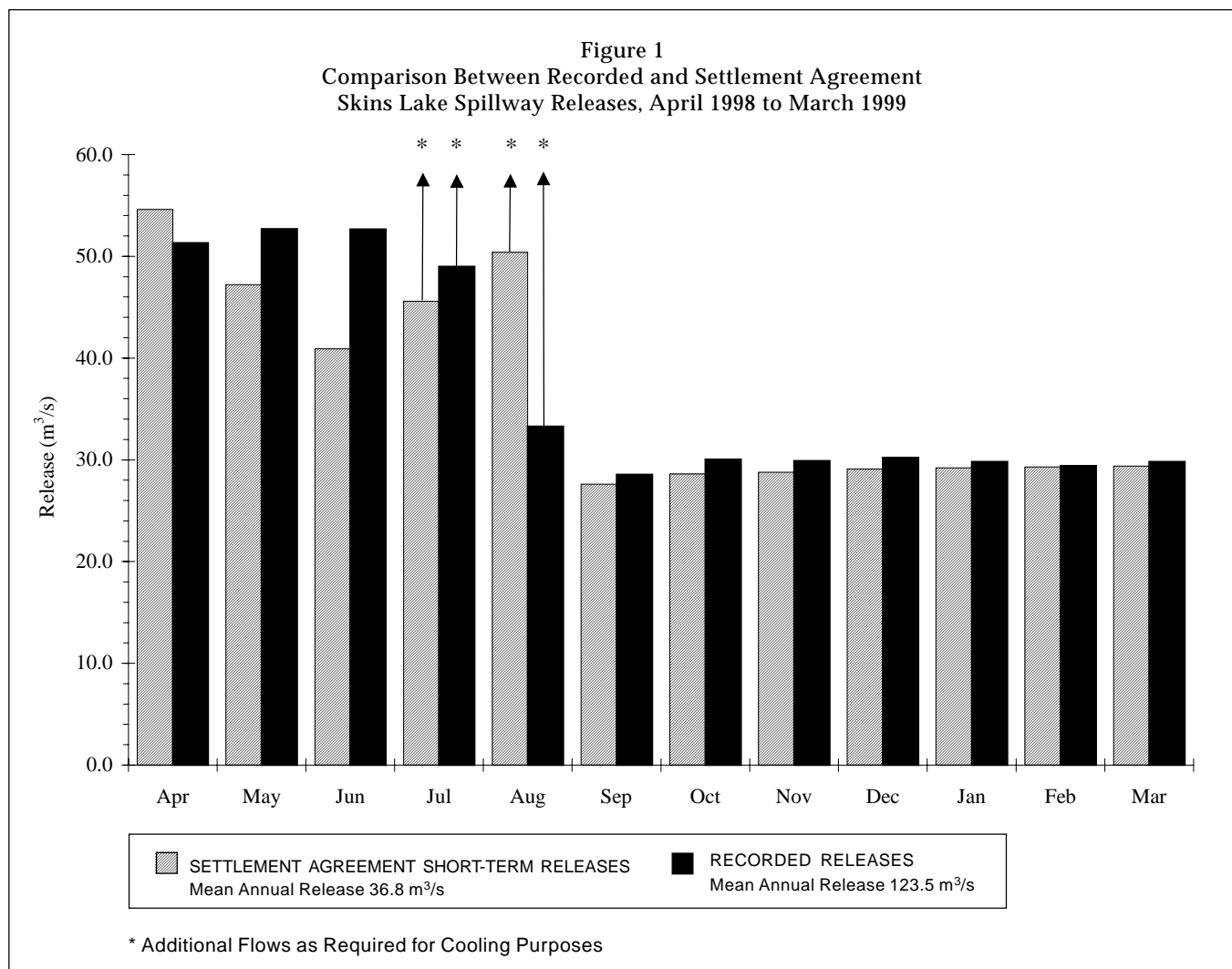
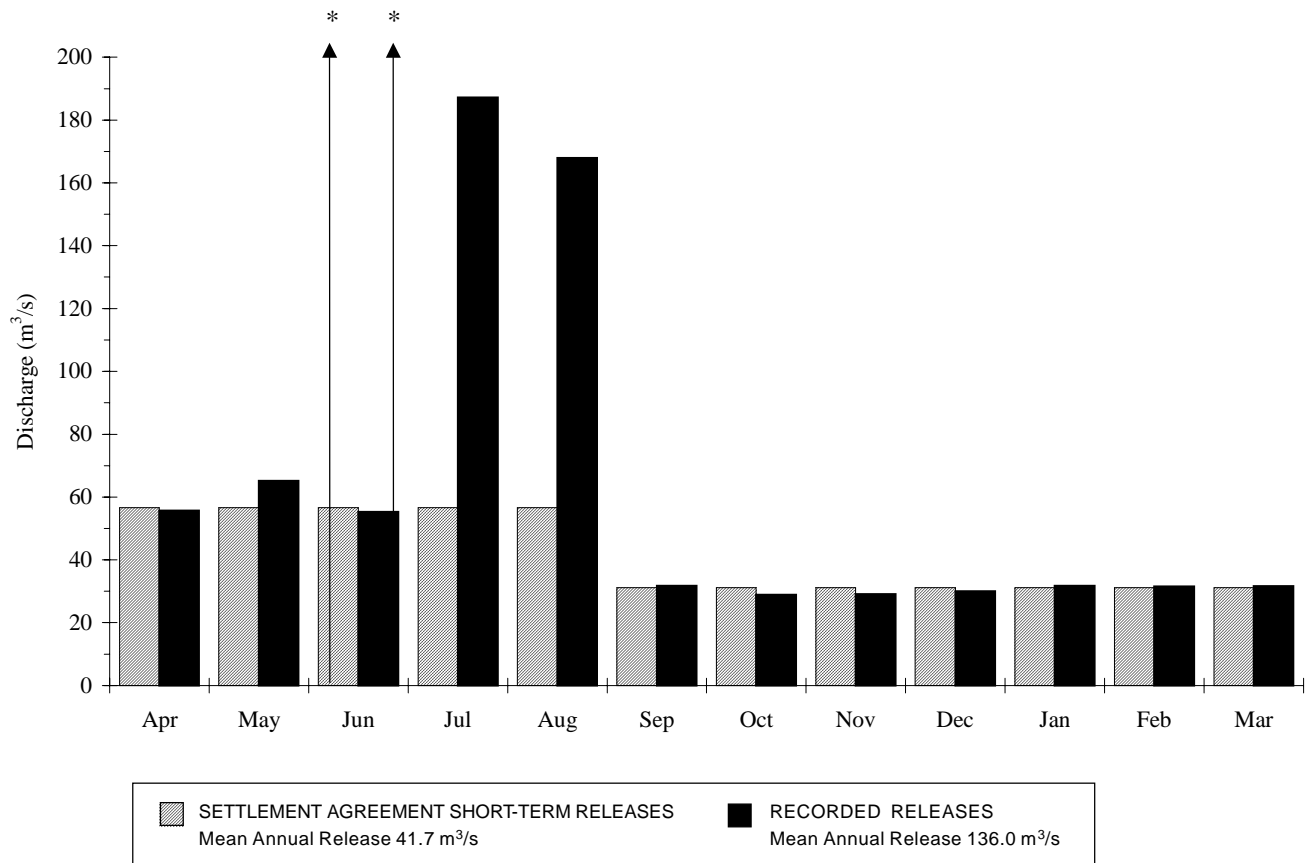




Figure 2  
 Comparison Between Recorded and Settlement Agreement Flows  
 in Nechako River Below Cheslatta Falls, April 1998 to March 1999



\* Additional Flows as Required for Cooling Purposes

## REFERENCES

*Anonymous. 1987. Settlement Agreement 1997.*

*Triton Environmental Consultants Ltd. 1998. The 1998 Summer Water Temperature and Flow Management Project. Nechako Fisheries Conservation Program Technical Report No. RM96-1. In review.*

**Table 1**  
**Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls**  
**1998/1999 Water Year (April 1, 1998 to March 31, 1999)**

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Apr-01	51.7	1,826	53.9	1,903
Apr-02	51.7	1,826	53.9	1,903
Apr-03	51.7	1,826	53.7	1,896
Apr-04	51.6	1,822	53.3	1,882
Apr-05	52.1	1,840	53.3	1,882
Apr-06	51.5	1,819	53.5	1,889
Apr-07	54.3	1,918	53.6	1,893
Apr-08	51.5	1,819	53.7	1,896
Apr-09	51.5	1,819	53.8	1,900
Apr-10	51.4	1,815	53.9	1,903
Apr-11	51.3	1,812	53.9	1,903
Apr-12	51.4	1,815	54.0	1,907
Apr-13	51.3	1,812	54.1	1,911
Apr-14	51.3	1,812	54.1	1,911
Apr-15	51.2	1,808	54.2	1,914
Apr-16	51.1	1,805	54.2	1,914
Apr-17	51.1	1,805	54.3	1,918
Apr-18	51.1	1,805	54.6	1,928
Apr-19	51.1	1,805	55.5	1,960
Apr-20	51.0	1,801	56.0	1,978
Apr-21	50.9	1,798	56.5	1,995
Apr-22	50.9	1,798	56.9	2,009
Apr-23	50.9	1,798	57.3	2,024
Apr-24	50.9	1,798	58.2	2,055
Apr-25	50.8	1,794	59.0	2,084
Apr-26	50.8	1,794	59.2	2,091
Apr-27	50.8	1,794	59.3	2,094
Apr-28	50.8	1,794	60.2	2,126
Apr-29	50.8	1,794	61.3	2,165
Apr-30	50.8	1,794	62.3	2,200
May-01	50.9	1,798	63.6	2,246
May-02	51.0	1,801	64.9	2,292
May-03	51.0	1,801	65.7	2,320
May-04	51.4	1,815	66.4	2,345
May-05	51.3	1,812	67.1	2,370
May-06	51.5	1,819	67.4	2,380
May-07	51.5	1,819	67.5	2,384
May-08	51.7	1,826	67.6	2,387
May-09	51.8	1,829	67.6	2,387
May-10	52.0	1,836	67.7	2,391

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
May-11	52.1	1,840	67.6	2,387
May-12	52.2	1,843	67.4	2,380
May-13	52.3	1,847	67.1	2,370
May-14	52.4	1,851	66.6	2,352
May-15	52.6	1,858	66.2	2,338
May-16	52.7	1,861	66.0	2,331
May-17	52.8	1,865	65.4	2,310
May-18	53.0	1,872	64.7	2,285
May-19	53.0	1,872	64.4	2,274
May-20	53.2	1,879	64.0	2,260
May-21	53.3	1,882	63.8	2,253
May-22	53.4	1,886	63.7	2,250
May-23	53.5	1,889	63.6	2,246
May-24	53.6	1,893	63.5	2,243
May-25	53.8	1,900	63.4	2,239
May-26	54.0	1,907	63.2	2,232
May-27	53.0	1,872	62.9	2,221
May-28	54.4	1,921	62.9	2,221
May-29	54.6	1,928	63.2	2,232
May-30	54.8	1,935	62.7	2,214
May-31	55.0	1,942	62.4	2,204
Jun-01	52.4	1,851	61.8	2,182
Jun-02	52.5	1,854	60.2	2,126
Jun-03	52.7	1,861	58.9	2,080
Jun-04	52.8	1,865	58.1	2,052
Jun-05	52.9	1,868	57.9	2,045
Jun-06	53.0	1,872	57.4	2,027
Jun-07	53.1	1,875	56.7	2,002
Jun-08	53.2	1,879	56.5	1,995
Jun-09	53.3	1,882	56.4	1,992
Jun-10	53.4	1,886	55.6	1,964
Jun-11	53.5	1,889	55.2	1,949
Jun-12	53.5	1,889	55.1	1,946
Jun-13	53.6	1,893	54.3	1,918
Jun-14	53.7	1,896	53.9	1,903
Jun-15	53.7	1,896	53.7	1,896
Jun-16	53.7	1,896	53.5	1,889
Jun-17	53.8	1,900	53.4	1,886
Jun-18	53.8	1,900	53.5	1,889
Jun-19	53.8	1,900	53.7	1,896
Jun-20	53.9	1,903	53.9	1,903

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Jun-21	53.9	1,903	54.0	1,907
Jun-22	50.8	1,794	54.4	1,921
Jun-23	51.2	1,808	54.3	1,918
Jun-24	51.2	1,808	54.0	1,907
Jun-25	51.2	1,808	53.6	1,893
Jun-26	51.3	1,812	53.6	1,893
Jun-27	51.3	1,812	53.7	1,896
Jun-28	51.3	1,812	53.7	1,896
Jun-29	51.7	1,826	53.8	1,900
Jun-30	49.4	1,745	53.9	1,903
Jul-01	50.1	1,769	54.2	1,914
Jul-02	49.5	1,748	54.8	1,935
Jul-03	49.6	1,752	54.9	1,939
Jul-04	49.6	1,752	54.8	1,935
Jul-05	49.7	1,755	54.9	1,939
Jul-06	97.9	3,457	55.1	1,946
Jul-07	227.7	8,041	56.8	2,006
Jul-08	227.5	8,034	70.4	2,486
Jul-09	302.9	10,697	88.8	3,136
Jul-10	453.2	16,005	119.0	4,202
Jul-11	14.2	501	171.0	6,039
Jul-12	309.9	10,944	223.0	7,875
Jul-13	80.4	2,839	239.0	8,440
Jul-14	264.4	9,337	215.0	7,593
Jul-15	307.6	10,863	228.0	8,052
Jul-16	452.0	15,962	240.0	8,476
Jul-17	453.0	15,998	212.0	7,487
Jul-18	159.0	5,615	182.0	6,427
Jul-19	452.5	15,980	182.0	6,427
Jul-20	451.3	15,938	226.0	7,981
Jul-21	281.2	9,931	269.0	9,500
Jul-22	99.0	3,496	271.0	9,570
Jul-23	283.1	9,998	251.0	8,864
Jul-24	282.7	9,984	256.0	9,041
Jul-25	282.1	9,962	265.0	9,358
Jul-26	281.6	9,945	273.0	9,641
Jul-27	281.1	9,927	280.0	9,888
Jul-28	255.1	9,009	284.0	10,029
Jul-29	280.1	9,892	288.0	10,171
Jul-30	279.6	9,874	291.0	10,277

**Table 1 (continued)**  
**Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls**  
**1998/2000 Water Year (April 1, 1998 to March 31, 1999)**

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Jul-31	279.1	9,856	293.0	10,347
Aug-01	278.6	9,839	294.0	10,383
Aug-02	277.8	9,811	295.0	10,418
Aug-03	277.3	9,793	296.0	10,453
Aug-04	280.7	9,913	297.0	10,489
Aug-05	283.2	10,001	299.0	10,559
Aug-06	195.4	6,901	300.0	10,595
Aug-07	14.8	523	284.0	10,029
Aug-08	14.8	523	245.0	8,652
Aug-09	14.8	523	209.0	7,381
Aug-10	117.7	4,157	180.0	6,357
Aug-11	170.5	6,021	165.0	5,827
Aug-12	170.4	6,018	164.0	5,792
Aug-13	264.5	9,341	165.0	5,827
Aug-14	299.4	10,573	184.0	6,498
Aug-15	65.0	2,295	202.0	7,134
Aug-16	171.2	6,046	186.0	6,569
Aug-17	114.1	4,029	181.0	6,392
Aug-18	14.7	519	172.0	6,074
Aug-19	14.7	519	152.0	5,368
Aug-20	14.7	519	133.0	4,697
Aug-21	14.7	519	118.0	4,167
Aug-22	14.7	519	106.0	3,743
Aug-23	14.7	519	95.1	3,358
Aug-24	14.7	519	84.0	2,966
Aug-25	14.7	519	74.1	2,617
Aug-26	14.7	519	66.5	2,348
Aug-27	14.7	519	61.1	2,158
Aug-28	14.7	519	55.3	1,953
Aug-29	14.7	519	51.4	1,815
Aug-30	14.7	519	48.0	1,695
Aug-31	14.7	519	44.7	1,579
Sep-01	14.6	516	43.4	1,533
Sep-02	19.6	692	40.8	1,441
Sep-03	29.5	1,042	37.9	1,338
Sep-04	29.4	1,038	35.8	1,264
Sep-05	29.4	1,038	34.4	1,215
Sep-06	29.4	1,038	33.2	1,172
Sep-07	29.4	1,038	32.6	1,151
Sep-08	29.4	1,038	32.2	1,137

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Sep-09	29.4	1,038	31.6	1,116
Sep-10	29.4	1,038	31.4	1,109
Sep-11	29.4	1,038	31.2	1,102
Sep-12	29.4	1,038	30.7	1,084
Sep-13	29.4	1,038	30.3	1,070
Sep-14	29.4	1,038	30.1	1,063
Sep-15	29.3	1,035	29.8	1,052
Sep-16	29.3	1,035	29.5	1,042
Sep-17	30.2	1,067	29.0	1,024
Sep-18	39.8	1,406	28.3	999
Sep-19	56.7	2,002	28.5	1,006
Sep-20	43.4	1,533	28.8	1,017
Sep-21	30.2	1,067	29.9	1,056
Sep-22	30.2	1,067	30.5	1,077
Sep-23	30.2	1,067	30.5	1,077
Sep-24	30.2	1,067	30.5	1,077
Sep-25	30.1	1,063	30.4	1,074
Sep-26	30.1	1,063	30.3	1,070
Sep-27	30.1	1,063	30.3	1,070
Sep-28	30.1	1,063	30.1	1,063
Sep-29	30.0	1,059	29.8	1,052
Sep-30	30.0	1,059	29.4	1,038
Oct-01	30.0	1,059	29.4	1,038
Oct-02	30.0	1,059	29.6	1,045
Oct-03	30.0	1,059	29.7	A 1,049
Oct-04	30.0	1,059		
Oct-05	29.9	1,056		
Oct-06	30.0	1,059		
Oct-07	30.1	1,063		
Oct-08	30.1	1,063		
Oct-09	30.1	1,063		
Oct-10	30.1	1,063		
Oct-11	30.1	1,063		
Oct-12	30.1	1,063		
Oct-13	30.1	1,063		
Oct-14	30.1	1,063		
Oct-15	30.1	1,063		
Oct-16	30.1	1,063		
Oct-17	30.1	1,063		
Oct-18	30.1	1,063		
Oct-19	30.1	1,063	28.6	1,010

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Oct-20	30.0	1,059	28.7	1,014
Oct-21	30.0	1,059	28.7	1,014
Oct-22	30.0	1,059	28.7	1,014
Oct-23	30.0	1,059	28.7	1,014
Oct-24	30.0	1,059	28.7	1,014
Oct-25	30.0	1,059	28.8	1,017
Oct-26	30.0	1,059	28.8	1,017
Oct-27	30.0	1,059	28.8	1,017
Oct-28	30.0	1,059	28.8	1,017
Oct-29	30.0	1,059	28.8	1,017
Oct-30	30.0	1,059	28.9	1,021
Oct-31	30.0	1,059	29.1	1,028
Nov-01	30.0	1,059	29.2	1,031
Nov-02	30.0	1,059	29.0	1,024
Nov-03	30.0	1,059	28.7	1,014
Nov-04	29.9	1,056	28.8	1,017
Nov-05	29.9	1,056	28.9	1,021
Nov-06	29.9	1,056	29.0	1,024
Nov-07	29.9	1,056	29.1	1,028
Nov-08	29.9	1,056	29.1	1,028
Nov-09	29.9	1,056	29.1	1,028
Nov-10	29.8	1,052	29.1	1,028
Nov-11	29.8	1,052	29.5	1,042
Nov-12	29.8	1,052	29.6	1,045
Nov-13	29.8	1,052	29.7	1,049
Nov-14	29.8	1,052	29.8	1,052
Nov-15	29.8	1,052	29.9	1,056
Nov-16	29.8	1,052	29.9	1,056
Nov-17	29.8	1,052	29.8	1,052
Nov-18	29.7	1,049	29.7	1,049
Nov-19	29.7	1,049	29.5	1,042
Nov-20	29.7	1,049	29.2	1,031
Nov-21	29.7	1,049	29.1	1,028
Nov-22	29.7	1,049	29.0	1,024
Nov-23	29.6	1,045	28.9	1,021
Nov-24	29.6	1,045	28.9	1,021
Nov-25	29.6	1,045	28.9	1,021
Nov-26	29.6	1,045	28.8	1,017
Nov-27	30.2	1,067	28.8	1,017
Nov-28	30.6	1,081	28.5	1,006
Nov-29	30.5	1,077	28.4	1,003

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Nov-30	30.5	1,077	28.5	1,006
Dec-01	30.4	1,074	28.6	1,010
Dec-02	30.4	1,074	28.6	1,010
Dec-03	30.4	1,074	28.8	1,017
Dec-04	30.4	1,074	29.0	1,024
Dec-05	30.4	1,074	29.2	1,031
Dec-06	30.3	1,070	29.4	1,038
Dec-07	30.3	1,070	29.5	1,042
Dec-08	30.3	1,070	29.6	1,045
Dec-09	30.3	1,070	29.7	1,049
Dec-10	30.3	1,070	29.8	1,052
Dec-11	30.3	1,070	29.9	1,056
Dec-12	30.3	1,070	29.9	1,056
Dec-13	30.2	1,067	30.0	1,059
Dec-14	30.2	1,067	30.1	1,063
Dec-15	30.2	1,067	30.1	1,063
Dec-16	30.2	1,067	30.2	1,067
Dec-17	30.2	1,067	30.4	1,074
Dec-18	30.2	1,067	30.7	1,084
Dec-19	30.2	1,067	30.7	1,084
Dec-20	30.2	1,067	30.7	1,084
Dec-21	30.2	1,067	30.7	1,084
Dec-22	30.1	1,063	30.7	1,084
Dec-23	30.1	1,063	30.7	1,084
Dec-24	30.1	1,063	30.6	1,081
Dec-25	30.1	1,063	30.6	1,081
Dec-26	30.1	1,063	30.6	1,081
Dec-27	30.1	1,063	30.6	1,081
Dec-28	30.1	1,063	30.6	1,081
Dec-29	30.1	1,063	30.6	1,081
Dec-30	30.0	1,059	30.6	1,081
Dec-31	30.0	1,059	30.6	1,081
Jan-01	30.0	1,059	31.5	1,112
Jan-02	30.0	1,059	31.5	1,112
Jan-03	30.0	1,059	31.5	1,112
Jan-04	30.0	1,059	31.5	1,112
Jan-05	30.0	1,059	31.5	1,112
Jan-06	30.0	1,059	31.7	1,119
Jan-07	29.9	1,056	31.7	1,119
Jan-08	29.9	1,056	31.7	1,119
Jan-09	29.9	1,056	31.7	1,119



Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Jan-10	29.9	1,056	32.0	1,130
Jan-11	29.9	1,056	32.3	1,141
Jan-12	29.9	1,056	32.3	1,141
Jan-13	29.9	1,056	32.0	1,130
Jan-14	29.9	1,056	31.8	1,123
Jan-15	29.8	1,052	31.8	1,123
Jan-16	29.8	1,052	31.8	1,123
Jan-17	29.8	1,052	31.8	1,123
Jan-18	29.8	1,052	31.8	1,123
Jan-19	29.8	1,052	31.4	1,109
Jan-20	29.7	1,049	31.4	1,109
Jan-21	29.7	1,049	31.4	1,109
Jan-22	29.7	1,049	31.7	1,119
Jan-23	29.7	1,049	32.6	1,151
Jan-24	29.7	1,049	32.6	1,151
Jan-25	29.7	1,049	32.3	1,141
Jan-26	29.7	1,049	32.3	1,141
Jan-27	29.7	1,049	31.7	1,119
Jan-28	29.6	1,045	31.5	1,112
Jan-29	29.6	1,045	31.5	1,112
Jan-30	29.6	1,045	32.6	1,151
Jan-31	29.6	1,045	32.0	1,130
Feb-01	29.6	1,045	32.0	1,130
Feb-02	29.6	1,045	32.0	1,130
Feb-03	29.6	1,045	32.0	1,130
Feb-04	29.6	1,045	32.0	1,130
Feb-05	29.5	1,042	31.4	1,109
Feb-06	29.5	1,042	31.0	1,095
Feb-07	29.5	1,042	31.2	1,102
Feb-08	29.5	1,042	31.4	1,109
Feb-09	29.5	1,042	34.7	1,225
Feb-10	29.5	1,042	37.5	1,324
Feb-11	29.4	1,038	31.4	1,109
Feb-12	29.5	1,042	31.1	1,098
Feb-13	29.5	1,042	31.1	1,098
Feb-14	29.4	1,038	30.8	1,088
Feb-15	29.4	1,038	33.0	1,165
Feb-16	29.4	1,038	31.1	1,098
Feb-17	29.4	1,038	31.1	1,098
Feb-18	29.4	1,038	31.1	1,098
Feb-19	29.4	1,038	31.1	1,098

Table 1 (continued)  
 Observed Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls  
 1998/1999 Water Year (April 1, 1998 to March 31, 1999)

Note: Records are preliminary WSC data

Date 1998/1999	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m <sup>3</sup> /s)	(cfs)	(m <sup>3</sup> /s)	(cfs)
Feb-20	29.3	1,035	31.1	1,098
Feb-21	29.3	1,035	31.1	1,098
Feb-22	29.3	1,035	30.8	1,088
Feb-23	29.3	1,035	30.6	1,081
Feb-24	29.3	1,035	30.5	1,077
Feb-25	29.3	1,035	30.6	1,081
Feb-26	29.2	1,031	31.0	1,095
Feb-27	29.2	1,031	31.1	1,098
Feb-28	29.2	1,031	31.1	1,098
Mar-01	29.2	1,031	31.1	1,098
Mar-02	29.5	1,042	31.1	1,098
Mar-03	30.1	1,063	31.1	1,098
Mar-04	30.1	1,063	31.1	1,098
Mar-05	30.1	1,063	31.1	1,098
Mar-06	30.1	1,063	31.4	1,109
Mar-07	30.0	1,059	31.8	1,123
Mar-08	30.0	1,059	31.8	1,123
Mar-09	30.0	1,059	31.8	1,123
Mar-10	30.0	1,059	31.8	1,123
Mar-11	29.9	1,056	31.8	1,123
Mar-12	29.9	1,056	31.5	1,112
Mar-13	29.9	1,056	31.1	1,098
Mar-14	29.9	1,056	31.5	1,112
Mar-15	29.9	1,056	31.7	1,119
Mar-16	29.8	1,052	31.7	1,119
Mar-17	29.8	1,052	31.7	1,119
Mar-18	29.8	1,052	31.7	1,119
Mar-19	29.8	1,052	31.7	1,119
Mar-20	29.8	1,052	31.7	1,119
Mar-21	29.7	1,049	31.7	1,119
Mar-22	29.7	1,049	31.8	1,123
Mar-23	29.7	1,049	31.8	1,123
Mar-24	29.7	1,049	31.8	1,123
Mar-25	29.7	1,049	32.0	1,130
Mar-26	29.6	1,045	32.0	1,130
Mar-27	29.6	1,045	32.0	1,130
Mar-28	29.6	1,045	32.0	1,130
Mar-29	29.6	1,045	32.0	1,130
Mar-30	29.6	1,045	32.1	1,134
Mar-31	29.6	1,045	32.4	1,144
Mean Annual	59.5	2,100	64.1	2,171
A-Manual Gauge		B-Ice Conditions		E-Estimated