

**NECHAKO RIVER
FLOW CONTROL 2004/2005**

*NECHAKO FISHERIES CONSERVATION PROGRAM
Technical Report No. RM05-2*

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Contents

List of Figures.....	<i>i</i>
List of Tables.....	<i>ii</i>
ABSTRACT.....	1
INTRODUCTION.....	1
OBJECTIVE AND RATIONALE.....	1
DATA REQUIREMENTS AND SOURCES.....	1
RESULTS.....	2
REFERENCES.....	3

List of Figures

FIGURE 1	Comparison Between Recorded and Settlement Agreement Skins Lake Spillway Releases. April 2004 to March	2
FIGURE 2	Comparison Between Recorded and Settlement Agreement Nechako River Flows Below Cheslatta Falls. April 2004 to March	3

List of Tables

TABLE 1	Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls 2004/2005 Water Year (April 1, 2004 to March 31, 2005)	4
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ABSTRACT

The objective of the 2004/2005 Nechako River Flow Control Project was to ensure effective release of the Annual Water Allocation (AWA), as defined in the 1987 Settlement Agreement (Anon. 1987) (a mean release of 36.8 m³/s at Skins Lake Spillway with the intent of achieving a mean annual flow of 41.7 m³/s in the Nechako River below Cheslatta Falls). The recorded mean annual Skins Lake Spillway release was 57.6 m³/s, and the mean annual flow in the Nechako River below Cheslatta Falls was recorded at 64.0 m³/s. Excluding summer cooling water releases, the calculated mean annual Skins Lake Spillway release attributable to the AWA was 37.3 m³/s.

INTRODUCTION

The 1987 Settlement Agreement (Anon. 1987) specifies the Annual Water Allocation (AWA) to be released from Nechako Reservoir. The AWA is specified as a mean annual release of 36.8 m³/s at Skins Lake Spillway with the intent of achieving an approximate mean annual flow of 41.7 m³/s in the Nechako River below Cheslatta Falls.

This report provides a summary of available mean monthly and mean daily Skins Lake Spillway releases and flows in the Nechako River below Cheslatta Falls for the period April 1, 2004 to March 31, 2005.

OBJECTIVE AND RATIONALE

The objective of the Nechako River Flow Control Project is to ensure release of the AWA. 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 Primary Metal Group (Alcan) by the Nechako Fisheries Conservation Program (NFCP) Technical Committee.

DATA REQUIREMENTS AND PROJECT OPERATIONS

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, 2004 to March 31, 2005 include preliminary Water Survey of Canada (WSC) data for both locations, and a short period of estimated flow data for the Nechako River below Cheslatta Falls. These latter data were estimated by Triton Environmental Consultants Ltd. (Triton) for the period January 1 to February 10, 2005 when the flows recorded were affected by river ice and had not been adjusted by the Water Survey of Canada (WSC) prior to the preparation of this report. Therefore, these estimated data may vary slightly from the published WSC data for this period.

Skins Lake Spillway releases are made 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. On April 1 (the start of the NFCP water year) of each year, the spillway release is typically maintained at the winter release from the previous year. Later in April, the release is increased to the current year spring release (typically 49.0 m³/s), with the timing being dependent on downstream ice conditions in the Cheslatta and Murray Lakes system. Following this increase to the spring release, and during ice-free conditions, the spillway settings are reviewed periodically, typically weekly, to ensure the requested releases are achieved. In mid to late August, following completion of the Summer Water Temperature and Flow Management Project (Triton 2005), the

spillway release is reduced to achieve the winter flow regime. During winter conditions, the gate setting is also adjusted periodically to ensure the average winter release, as established by the NFCP, is achieved.

The above release regime is termed the “operational release”, and is defined as the WSC recorded release made by Alcan, less forced spills and additional flows as required for cooling purposes, as per the 2005 Summer Water Temperature and Flow Management Project.

RESULTS

A comparison of Settlement Agreement and operational mean monthly Skins Lake Spillway releases is presented in Figure 1. Releases presented in Figure 1 include an increase in the spillway release

from the previous year’s winter release to approximately 49.0 m³/s initiated on April 24, 2004, and a spillway release reduction to the winter flow regime initiated on August 18, 2004. The mean annual operational release for the 2004/2005 water year was 37.3 m³/s. The Settlement Agreement AWA specifies a mean annual release of 36.8 m³/s. The difference between the operational release and the specified 36.8 m³/s is due to the nature of the spillway gate setting schedule in response to changing reservoir water surface elevations.

A comparison of Settlement Agreement and available recorded mean monthly flows in the Nechako River below Cheslatta Falls is presented in Figure 2. The Settlement Agreement AWA specifies an approximate mean annual flow of 41.7 m³/s in the Nechako River below Cheslatta Falls (plus additional flows as required for cooling purposes).

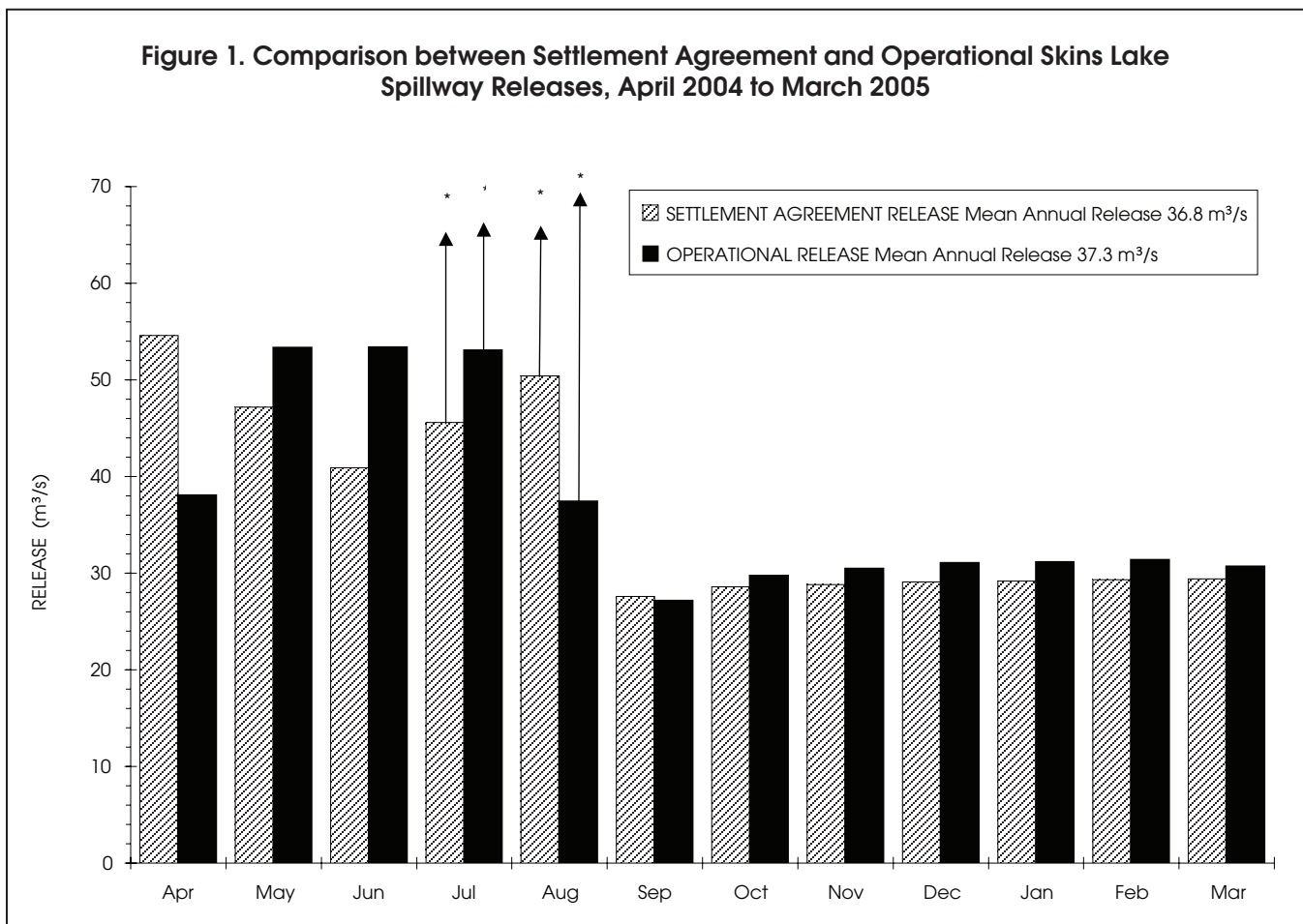
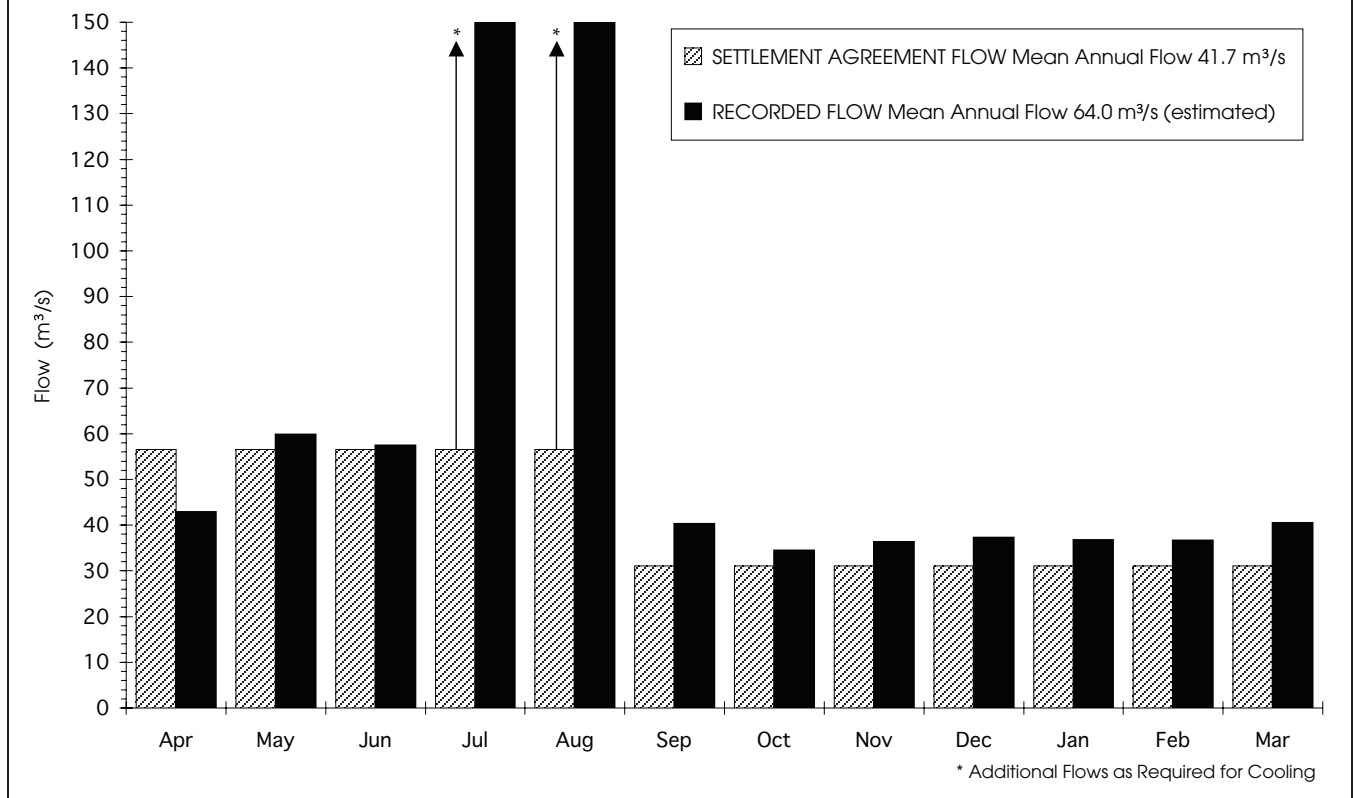


Figure 2. Comparison between Settlement Agreement and Recorded Flow in Nechako River below Cheslatta Falls, April 2004 to March 2005



Recorded mean daily Skins Lake Spillway releases and flow in the Nechako River below Cheslatta Falls for the 2005/2006 water year are presented in Table 1. The recorded mean annual Skins Lake Spillway release (including summer cooling water releases and spills) was 57.6 m³/s. The recorded mean annual flow in the Nechako River below Cheslatta Falls was 64.0 m³/s.

Triton Environmental Consultants Ltd. 2005. The 2005 Summer Water Temperature and Flow Management Project. Nechako Fisheries Conservation Program Technical Report No. RM05-1.

REFERENCES

Anon. 1987. The 1987 Settlement Agreement between Alcan Aluminium Ltd. and Her Majesty the Queen in Right of Canada, represented by the Minister of Fisheries and Oceans, and her Majesty the Queen in Right of the Province of British Columbia, represented by the Ministry of Energy, Mines and Petroleum Resources.

TABLE 1
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
1-Apr-04	33.1	1,169	36.6	1,293
2-Apr-04	33.1	1,169	36.8	1,300
3-Apr-04	33.1	1,169	36.9	1,303
4-Apr-04	33.0	1,165	37.5	1,324
5-Apr-04	33.0	1,165	38.1	1,346
6-Apr-04	33.0	1,165	38.5	1,360
7-Apr-04	33.0	1,165	38.8	1,370
8-Apr-04	33.0	1,165	38.9	1,374
9-Apr-04	33.0	1,165	39.2	1,384
10-Apr-04	32.9	1,162	39.7	1,402
11-Apr-04	32.9	1,162	40.4	1,427
12-Apr-04	32.9	1,162	41.3	1,459
13-Apr-04	33.0	1,165	42.5	1,501
14-Apr-04	33.0	1,165	43.1	1,522
15-Apr-04	33.0	1,165	43.4	1,533
16-Apr-04	33.0	1,165	43.7	1,543
17-Apr-04	33.0	1,165	44.2	1,561
18-Apr-04	33.0	1,165	44.4	1,568
19-Apr-04	33.0	1,165	44.4	1,568
20-Apr-04	33.1	1,169	44.4	1,568
21-Apr-04	33.1	1,169	45.6	1,610
22-Apr-04	33.1	1,169	45.0	1,589
23-Apr-04	42.7	1,508	45.0	1,589
24-Apr-04	53.1	1,875	44.5	1,572
25-Apr-04	53.1	1,875	45.1	1,593
26-Apr-04	53.1	1,875	46.5	1,642
27-Apr-04	53.1	1,875	48.8	1,723
28-Apr-04	53.2	1,879	49.8	1,759
29-Apr-04	53.2	1,879	50.6	1,787
30-Apr-04	53.2	1,879	51.7	1,826
1-May-04	53.3	1,882	52.7	1,861
2-May-04	53.4	1,886	53.9	1,904
3-May-04	53.5	1,889	55.2	1,949
4-May-04	53.6	1,893	56.5 *	1,995
5-May-04	53.6	1,893	58.4	2,062
6-May-04	53.2	1,879	59.2	2,091
7-May-04	53.0	1,872	59.6	2,105
8-May-04	53.0	1,872	60.8	2,147
9-May-04	53.1	1,875	61.1	2,158
10-May-04	53.2	1,879	61.8	2,183
11-May-04	53.2	1,879	61.8	2,183

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
12-May-04	53.3	1,882	61.5	2,172
13-May-04	53.3	1,882	61.3	2,165
14-May-04	53.4	1,886	62.0	2,190
15-May-04	53.4	1,886	61.6	2,175
16-May-04	53.5	1,889	61.6	2,175
17-May-04	53.6	1,893	61.8	2,183
18-May-04	53.6	1,893	61.5	2,172
19-May-04	53.2	1,879	61.3	2,165
20-May-04	52.9	1,868	60.6	2,140
21-May-04	53.0	1,872	60.4	2,133
22-May-04	53.1	1,875	60.6	2,140
23-May-04	53.1	1,875	60.5 *	2,137
24-May-04	53.2	1,879	60.3 *	2,130
25-May-04	53.3	1,882	59.9	2,115
26-May-04	53.3	1,882	59.9	2,115
27-May-04	53.4	1,886	59.6 *	2,105
28-May-04	53.5	1,889	59.3 *	2,094
29-May-04	53.5	1,889	59.1 *	2,087
30-May-04	53.6	1,893	59.1	2,087
31-May-04	53.6	1,893	58.7	2,073
1-Jun-04	53.6	1,893	58.7	2,073
2-Jun-04	53.6	1,893	58.2	2,055
3-Jun-04	53.7	1,896	57.9	2,045
4-Jun-04	53.7	1,896	57.5	2,031
5-Jun-04	53.7	1,896	57.9	2,045
6-Jun-04	53.8	1,900	58.9	2,080
7-Jun-04	53.4	1,886	59.2	2,091
8-Jun-04	53.0	1,872	59.2	2,091
9-Jun-04	53.1	1,875	59.4	2,098
10-Jun-04	53.2	1,879	59.4	2,098
11-Jun-04	53.2	1,879	58.9	2,080
12-Jun-04	53.2	1,879	58.2	2,055
13-Jun-04	53.3	1,882	57.5	2,031
14-Jun-04	53.3	1,882	58.2	2,055
15-Jun-04	53.3	1,882	58.1	2,052
16-Jun-04	53.3	1,882	57.2	2,020
17-Jun-04	53.4	1,886	56.7	2,002
18-Jun-04	53.4	1,886	56.4	1,992
19-Jun-04	53.4	1,886	56.2	1,985
20-Jun-04	53.5	1,889	56.4	1,992
21-Jun-04	53.5	1,889	56.9	2,009

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
22-Jun-04	53.6	1,893	56.5	1,995
23-Jun-04	53.6	1,893	56.4	1,992
24-Jun-04	53.6	1,893	56.0	1,978
25-Jun-04	53.7	1,896	55.5	1,960
26-Jun-04	53.7	1,896	55.3	1,953
27-Jun-04	53.8	1,900	56.0	1,978
28-Jun-04	52.8	1,865	56.0	1,978
29-Jun-04	52.0	1,836	55.8 *	1,971
30-Jun-04	52.1	1,840	56.3	1,988
1-Jul-04	52.1	1,840	56.7	2002
2-Jul-04	52.2	1,843	56.5	1995
3-Jul-04	52.2	1,843	56.2	1985
4-Jul-04	52.2	1,843	55.8	1971
5-Jul-04	52.6	1,858	55.5	1960
6-Jul-04	53.2	1,879	56.0	1978
7-Jul-04	53.2	1,879	56.0	1978
8-Jul-04	53.2	1,879	55.7	1967
9-Jul-04	53.2	1,879	55.7	1967
10-Jul-04	53.3	1,882	55.5	1960
11-Jul-04	114.1	4,029	55.7	1967
12-Jul-04	225.0	7,946	58.2	2055
13-Jul-04	224.9	7,942	72.3	2553
14-Jul-04	224.7	7,935	90.0	3178
15-Jul-04	229.3	8,098	108.0	3814
16-Jul-04	452.0	15,962	131.0	4626
17-Jul-04	260.3	9,193	181.0	6392
18-Jul-04	151.6	5,354	205.0	7240
19-Jul-04	451.6	15,948	203.0	7169
20-Jul-04	419.5	14,815	244.0	8617
21-Jul-04	271.9	9,602	272.0	9606
22-Jul-04	255.4	9,020	285.0	10065
23-Jul-04	255.1	9,009	283.0	9994
24-Jul-04	149.9	5,294	281.0	9924
25-Jul-04	98.7	3,486	265.0	9359
26-Jul-04	335.9	11,862	239.0	8440
27-Jul-04	241.0	8,511	247.0	8723
28-Jul-04	14.9	526	247.0	8723
29-Jul-04	151.7	5,357	224.0	7911
30-Jul-04	297.2	10,496	209.0	7381
31-Jul-04	14.8	523	220.0	7769
1-Aug-04	89.9	3,175	195.0	6,886

TABLE 1 (continued)
Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
2004/2005 Water Year (April 1, 2004 to March 31, 2005)
Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
2-Aug-04	226.8	8,009	176.0	6,215
3-Aug-04	204.2	7,211	180.0	6,357
4-Aug-04	170.0	6,004	184.0	6,498
5-Aug-04	169.9	6,000	183.0	6,463
6-Aug-04	169.8	5,997	181.0	6,392
7-Aug-04	222.4	7,854	179.0	6,321
8-Aug-04	449.8	15,885	182.0	6,427
9-Aug-04	448.2	15,828	238.0	8,405
10-Aug-04	236.3	8,345	271.0	9,570
11-Aug-04	283.6	10,015	274.0	9,676
12-Aug-04	283.1	9,998	274.0	9,676
13-Aug-04	282.5	9,977	278.0	9,818
14-Aug-04	282.0	9,959	281.0	9,924
15-Aug-04	269.4	9,514	283.0	9,994
16-Aug-04	255.8	9,034	282.0	9,959
17-Aug-04	255.5	9,023	281.0	9,924
18-Aug-04	129.8	4,584	278.0	9,818
19-Aug-04	14.4	509	258.0	9,111
20-Aug-04	14.4	509	223.0	7,875
21-Aug-04	14.4	509	190.0	6,710
22-Aug-04	14.4	509	164.0	5,792
23-Aug-04	14.4	509	142.0	5,015
24-Aug-04	14.4	509	124.0	4,379
25-Aug-04	14.4	509	110.0	3,885
26-Aug-04	14.4	509	98.4	3,475
27-Aug-04	14.4	509	88.9	3,140
28-Aug-04	16.5	583	80.7	2,850
29-Aug-04	19.2	678	74.1	2,617
30-Aug-04	19.2	678	68.8	2,430
31-Aug-04	19.3	682	64.0	2,260
1-Sep-04	19.3	682	60.6	2,140
2-Sep-04	17.2	607	55.8	1,971
3-Sep-04	14.5	512	52.7	1,861
4-Sep-04	14.5	512	49.8	1,759
5-Sep-04	14.5	512	46.8	1,653
6-Sep-04	14.5	512	43.6	1,540
7-Sep-04	25.2	890	41.2	1,455
8-Sep-04	30.1	1,063	39.8	1,406
9-Sep-04	30.1	1,063	38.6	1,363
10-Sep-04	30.1	1,063	38.1	1,346
11-Sep-04	30.2	1,067	37.6	1,328

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
12-Sep-04	30.2	1,067	37.6	1,328
13-Sep-04	30.3	1,070	37.3	1,317
14-Sep-04	30.3	1,070	37.2	1,314
15-Sep-04	30.3	1,070	37.0	1,307
16-Sep-04	30.3	1,070	36.9	1,303
17-Sep-04	30.3	1,070	37.3	1,317
18-Sep-04	30.3	1,070	37.3	1,317
19-Sep-04	30.4	1,074	37.3	1,317
20-Sep-04	30.4	1,074	37.5	1,324
21-Sep-04	30.4	1,074	37.3	1,317
22-Sep-04	30.4	1,074	37.3	1,317
23-Sep-04	30.4	1,074	37.2	1,314
24-Sep-04	30.5	1,077	36.9	1,303
25-Sep-04	30.5	1,077	36.9	1,303
26-Sep-04	30.5	1,077	36.6	1,293
27-Sep-04	30.1	1,063	36.3	1,282
28-Sep-04	29.5	1,042	36.2	1,278
29-Sep-04	29.5	1,042	35.9	1,268
30-Sep-04	29.5	1,042	35.5	1,254
1-Oct-04	29.5	1,042	35.2	1,243
2-Oct-04	29.5	1,042	34.9	1,233
3-Oct-04	29.4	1,038	34.7	1,225
4-Oct-04	29.4	1,038	34.4	1,215
5-Oct-04	29.5	1,042	34.1	1,204
6-Oct-04	29.5	1,042	33.9	1,197
7-Oct-04	29.5	1,042	33.7	1,190
8-Oct-04	29.5	1,042	33.6	1,187
9-Oct-04	29.5	1,042	33.3	1,176
10-Oct-04	29.5	1,042	33.6	1,187
11-Oct-04	29.6	1,045	33.4	1,180
12-Oct-04	29.6	1,045	33.6	1,187
13-Oct-04	29.7	1,049	33.9	1,197
14-Oct-04	29.8	1,052	34.7	1,225
15-Oct-04	29.8	1,052	35.3	1,247
16-Oct-04	29.8	1,052	35.3	1,247
17-Oct-04	29.8	1,052	34.9	1,233
18-Oct-04	29.8	1,052	34.9	1,233
19-Oct-04	29.9	1,056	34.1	1,204
20-Oct-04	29.9	1,056	34.0	1,201
21-Oct-04	29.9	1,056	34.1	1,204
22-Oct-04	29.9	1,056	34.7	1,225

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
23-Oct-04	29.9	1,056	34.7	1,225
24-Oct-04	29.9	1,056	34.6	1,222
25-Oct-04	29.9	1,056	34.4	1,215
26-Oct-04	29.9	1,056	34.6	1,222
27-Oct-04	29.9	1,056	34.9	1,233
28-Oct-04	29.9	1,056	34.9	1,233
29-Oct-04	29.9	1,056	34.8	1,229
30-Oct-04	29.9	1,056	34.7	1,225
31-Oct-04	29.9	1,056	34.6	1,222
1-Nov-04	29.9	1,056	34.4	1,215
2-Nov-04	29.9	1,056	34.1	1,204
3-Nov-04	29.9	1,056	34.1	1,204
4-Nov-04	30.0	1,059	34.0	1,201
5-Nov-04	30.0	1,059	34.3	1,211
6-Nov-04	30.1	1,063	34.3	1,211
7-Nov-04	30.1	1,063	34.4	1,215
8-Nov-04	30.2	1,067	35.6	1,257
9-Nov-04	30.2	1,067	36.0	1,271
10-Nov-04	30.3	1,070	36.0	1,271
11-Nov-04	30.3	1,070	35.6	1,257
12-Nov-04	30.4	1,074	35.6	1,257
13-Nov-04	30.4	1,074	35.7	1,261
14-Nov-04	30.4	1,074	36.2	1,278
15-Nov-04	30.5	1,077	37.2	1,314
16-Nov-04	30.6	1,081	37.3	1,317
17-Nov-04	30.6	1,081	37.6	1,328
18-Nov-04	30.6	1,081	37.8	1,335
19-Nov-04	30.7	1,084	37.5	1,324
20-Nov-04	30.7	1,084	37.8	1,335
21-Nov-04	30.7	1,084	38.1	1,346
22-Nov-04	30.7	1,084	37.6	1,328
23-Nov-04	30.8	1,088	37.5	1,324
24-Nov-04	30.8	1,088	37.5	1,324
25-Nov-04	30.8	1,088	37.5	1,324
26-Nov-04	30.8	1,088	37.3	1,317
27-Nov-04	30.9	1,091	37.2	1,314
28-Nov-04	30.9	1,091	37.2	1,314
29-Nov-04	30.9	1,091	36.9	1,303
30-Nov-04	30.9	1,091	36.9	1,303
1-Dec-04	30.9	1,091	37.3	1,317
2-Dec-04	30.9	1,091	37.3	1,317

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
3-Dec-04	30.9	1,091	37.3	1,317
4-Dec-04	30.9	1,091	36.9	1,303
5-Dec-04	30.9	1,091	36.2	1,278
6-Dec-04	30.9	1,091	36.3	1,282
7-Dec-04	30.9	1,091	36.2	1,278
8-Dec-04	31.0	1,095	36.3	1,282
9-Dec-04	31.0	1,095	36.6	1,293
10-Dec-04	31.0	1,095	36.8	1,300
11-Dec-04	31.0	1,095	37.3	1,317
12-Dec-04	31.0	1,095	37.0	1,307
13-Dec-04	31.0	1,095	36.8	1,300
14-Dec-04	31.0	1,095	37.2	1,314
15-Dec-04	31.0	1,095	37.3	1,317
16-Dec-04	31.0	1,095	37.6	1,328
17-Dec-04	31.0	1,095	37.5	1,324
18-Dec-04	31.0	1,095	37.9	1,338
19-Dec-04	31.1	1,098	38.1	1,346
20-Dec-04	31.1	1,098	37.9	1,338
21-Dec-04	31.1	1,098	38.1	1,346
22-Dec-04	31.2	1,102	37.8	1,335
23-Dec-04	31.2	1,102	37.6	1,328
24-Dec-04	31.2	1,102	37.8	1,335
25-Dec-04	31.2	1,102	37.3	1,317
26-Dec-04	31.2	1,102	37.6	1,328
27-Dec-04	31.2	1,102	37.3	1,317
28-Dec-04	31.2	1,102	37.0	1,307
29-Dec-04	31.2	1,102	36.8	1,300
30-Dec-04	31.2	1,102	37.0	1,307
31-Dec-04	31.2	1,102	37.2	1,314
1-Jan-05	31.2	1,102	37.1 **	1,311
2-Jan-05	31.2	1,102	37.0 **	1,306
3-Jan-05	31.2	1,102	37.0 **	1,306
4-Jan-05	31.2	1,102	36.9 **	1,303
5-Jan-05	31.2	1,102	36.9 **	1,303
6-Jan-05	31.2	1,102	36.9 **	1,303
7-Jan-05	31.2	1,102	36.9 **	1,303
8-Jan-05	31.2	1,102	36.6 **	1,294
9-Jan-05	31.2	1,102	36.6 **	1,292
10-Jan-05	31.2	1,102	36.6 **	1,292
11-Jan-05	31.2	1,102	36.5 **	1,287
12-Jan-05	31.2	1,102	36.7 **	1,296

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
13-Jan-05	31.2	1,102	36.3 **	1,281
14-Jan-05	31.1	1,098	36.1 **	1,274
15-Jan-05	31.1	1,098	36.0 **	1,271
16-Jan-05	31.1	1,098	36.0 **	1,271
17-Jan-05	31.1	1,098	36.2 **	1,279
18-Jan-05	31.1	1,098	36.2 **	1,279
19-Jan-05	31.1	1,098	36.5 **	1,287
20-Jan-05	31.1	1,098	36.6 **	1,294
21-Jan-05	31.1	1,098	36.7 **	1,297
22-Jan-05	31.1	1,098	36.9 **	1,303
23-Jan-05	31.1	1,098	37.0 **	1,306
24-Jan-05	31.1	1,098	37.1 **	1,311
25-Jan-05	31.1	1,098	37.2 **	1,314
26-Jan-05	31.1	1,098	37.2 **	1,314
27-Jan-05	31.1	1,098	37.0 **	1,307
28-Jan-05	31.1	1,098	36.9 **	1,303
29-Jan-05	31.1	1,098	36.3 **	1,282
30-Jan-05	31.1	1,098	36.2 **	1,278
31-Jan-05	31.2	1,102	36.3 **	1,282
1-Feb-05	31.2	1,102	36.3 **	1,282
2-Feb-05	31.2	1,102	37.0 **	1,307
3-Feb-05	31.3	1,105	37.6 **	1,328
4-Feb-05	31.3	1,105	37.5 **	1,324
5-Feb-05	31.3	1,105	37.3 **	1,317
6-Feb-05	31.4	1,109	37.9 **	1,338
7-Feb-05	31.4	1,109	37.8 **	1,335
8-Feb-05	31.4	1,109	37.0 **	1,307
9-Feb-05	31.4	1,109	37.0 **	1,307
10-Feb-05	31.4	1,109	36.9 **	1,303
11-Feb-05	31.4	1,109	36.9	1,303
12-Feb-05	31.4	1,109	36.6	1,293
13-Feb-05	31.4	1,109	36.6	1,293
14-Feb-05	31.4	1,109	36.5	1,289
15-Feb-05	31.4	1,109	36.6	1,293
16-Feb-05	31.4	1,109	36.5	1,289
17-Feb-05	31.4	1,109	36.2	1,278
18-Feb-05	31.4	1,109	36.2	1,278
19-Feb-05	31.4	1,109	36.3	1,282
20-Feb-05	31.4	1,109	36.2	1,278
21-Feb-05	31.4	1,109	36.0	1,271
22-Feb-05	31.4	1,109	35.9	1,268

TABLE 1 (continued)
 Recorded Skins Lake Spillway Releases and Flows in Nechako River Below Cheslatta Falls
 2004/2005 Water Year (April 1, 2004 to March 31, 2005)
 Note: Records are preliminary WSC data.

Date 2004/2005	Skins Lake Spillway Release		Nechako R. Below Cheslatta Falls	
	(m ³ /s)	(cfs)	(m ³ /s)	(cfs)
23-Feb-05	31.4	1,109	35.9	1,268
24-Feb-05	31.4	1,109	35.9	1,268
25-Feb-05	31.4	1,109	36.0	1,271
26-Feb-05	31.4	1,109	35.6	1,257
27-Feb-05	31.4	1,109	35.6	1,257
28-Feb-05	31.4	1,109	35.5	1,254
1-Mar-05	31.3	1,105	35.6	1,257
2-Mar-05	31.3	1,105	35.7	1,261
3-Mar-05	31.3	1,105	35.7	1,261
4-Mar-05	31.3	1,105	35.6	1,257
5-Mar-05	31.3	1,105	35.7	1,261
6-Mar-05	31.3	1,105	35.9	1,268
7-Mar-05	31.3	1,105	36.3	1,282
8-Mar-05	31.3	1,105	36.5	1,289
9-Mar-05	31.3	1,105	37.3	1,317
10-Mar-05	31.4	1,109	37.2	1,314
11-Mar-05	31.4	1,109	38.1	1,346
12-Mar-05	31.4	1,109	38.8	1,370
13-Mar-05	31.4	1,109	38.9	1,374
14-Mar-05	31.4	1,109	39.2	1,384
15-Mar-05	31.4	1,109	39.5	1,395
16-Mar-05	31.5	1,112	40.0	1,413
17-Mar-05	40.0	1,413	39.8	1,406
18-Mar-05	44.7	1,579	39.8	1,406
19-Mar-05	44.7	1,579	40.3	1,423
20-Mar-05	44.8	1,582	41.3	1,459
21-Mar-05	44.8	1,582	42.4	1,497
22-Mar-05	44.8	1,582	43.0	1,519
23-Mar-05	44.8	1,582	43.6	1,540
24-Mar-05	44.8	1,582	43.9	1,550
25-Mar-05	44.7	1,579	44.6	1,575
26-Mar-05	44.7	1,579	45.3	1,600
27-Mar-05	44.7	1,579	46.0	1,625
28-Mar-05	44.7	1,579	46.8	1,653
29-Mar-05	44.7	1,579	47.1	1,663
30-Mar-05	44.7	1,579	47.1	1,663
31-Mar-05	44.7	1,579	47.6	1,681
Mean Annual	57.584	2033.6	63.980	2259.5

* estimated because of suspected problems with the stream gauge.

** estimated because of river ice effects.