

# NECHAKO FISHERIES CONSERVATION PROGRAM

## NECHAKO FISHERIES CONSERVATION PROGRAM TECHNICAL COMMITTEE

DATE: August 30, 2006

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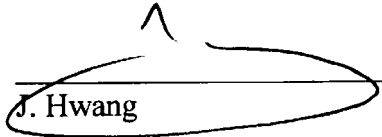
### Decision Record (2006/07-2)

2. The Technical Committee has been made aware of the following:
  - Releases from the Skins Lake Spillway (SLS) made as part of the Summer Temperature Management Project (STMP) were decreased to 14.2 m<sup>3</sup>/s late on August 18, 2005 to decrease flow in the Nechako River below Cheslatta Falls from the STMP base flow to the fall chinook spawning flows. The predicted recession of the flow in the Nechako River at Cheslatta Falls required the SLS release to be increased to 32.3 m<sup>3</sup>/s on September 1 to ensure that the flow in the Nechako River below Cheslatta Falls did not drop below 32.3 m<sup>3</sup>/s.
  - As noted on the attached calculation sheet, the average flow of 32.3 m<sup>3</sup>/s is to be released from the Skins Lake Spillway from September 1 to March 31 to ensure the Annual Water Allocation is achieved.

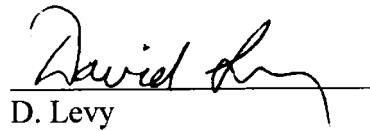
Given the above, the Technical Committee has decided that Alcan be directed to maintain the Skins Lake Spillway release as follows:

- the average Skins Lake Spillway release over this period August 31, 2006 to March 31, 2007 is to be at or above 32.3 m<sup>3</sup>/s;
- the minimum release from the reservoir is not less than 31.0 m<sup>3</sup>/s;
- releases from the Spillway to be managed in a manner to achieve release from the Nechako Reservoir of the annual water allocation without having to spike releases in the latter part of the water year; and,

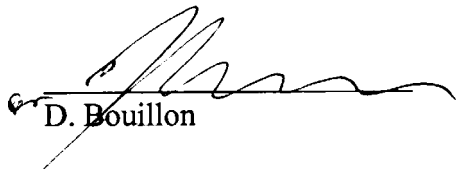
- the running average of the release is to be calculated and reported monthly to the Technical Committee.



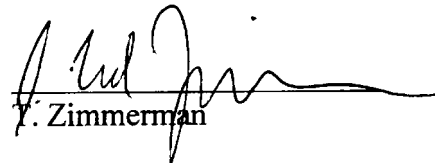
J. Hwang



D. Levy



D. Bouillon



Y. Zimmerman

**Date: August 30, 2006**

**Project: 3695; NFCP Annual Water Allocation - Estimated Winter Base Release**

Annual Average Flow Rate = 36.8 m<sup>3</sup>/s (as per the 1987 Settlement Agreement)

<u>TIME PERIOD (JD)</u>	<u>TIME (Days)</u>	<u>FLOW (m<sup>3</sup>/s)</u>	<u>Volume (m<sup>3</sup>/s*Days)</u>
Apr01 (91) to Apr26 (116)	26	32.00	832.0
Apr27 (117) to Aug17 (229)	113	49.0	5,537.0
Aug18 (230) to August 30 (242)	13	14.16	184.1
August 31 (243) to Mar31 (90)	213	X	213X
	<u>365</u>		<u>6,553.1 + 213X</u>

Annual Volume = 36.8\*(365) = 13,432 m<sup>3</sup>/s\*Days = 6,553.1 + 213X

X = 32.30 m<sup>3</sup>/s (1,141 cfs)

**The Skins Lake Spillway release required to ensure release of the Annual Water Allocation by March 31, 2007 is 32.30 m<sup>3</sup>/s (1,141 cfs)**