

NECHAKO FISHERIES CONSERVATION PROGRAM

A Joint Program of the Government of Canada, Alcan and the Province of British Columbia

NECHAKO FISHERIES CONSERVATION PROGRAM TECHNICAL COMMITTEE

DATE: September 22, 2004

Decision Record (2004/05-3)

3. 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 m³/s late on August 18, 2004 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 30.0 m³/s on September 7 to ensure that the flow in the Nechako River below Cheslatta Falls did not drop below 30.0 m³/s as noted in Decision Record 2004/05-1.
 - The SLS release was maintained at 30.0 m³/s from September 7 to 20, 2004.
 - As noted on the attached calculation sheet, the average flow of 30.0 m³/s is to be released from the Skins Lake Spillway from September 21 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 September 22, 2004 to March 31, 2005 is to be at or above 30.0 m³/s;
- the minimum release from the reservoir is not less than 29.0 m³/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.

for Bryan Nutter
J. Hwang

E. Petticrew
E. Petticrew

D. Bouillon
D. Bouillon

D. Cadden
D. Cadden

Date: September 1, 2004 (2004 is a leap year)
Project: 3515; NFCP Annual Water Allocation - Estimated Winter Base Release *

* NOTE: based on an assumed increase to the spring base flow on April 23, 2004

Annual Average Flow Rate = 36.8 m³/s (as per the 1987 Settlement Agreement)

TIME PERIOD (JD)	TIME (Days)	FLOW (m ³ /s)	Volume (m ³ /s*Days)
Apr01 (92) to Apr23 (114)	23	32.70	752.1
Apr24 (115) to Aug18 (231)	117	53.1	6,211.5
Aug19 (232) to Aug28 (241)	10	14.16	141.6
Aug29 (242) to Sep02 (246)	5	19.20	96.0
Sep03 (247) to Sep06 (250)	4	14.16	56.6
Sep07 (251) to Sep20 (264)	14	30.00	420.0
Sep21 (265) to Mar31 (90)	192	X	192X
	365		7,677.9 + 192X

Annual Volume = 36.8*(365) = 13,432 m³/s*Days = 7,677.9 + 192X
X = 29.97 m³/s (1,058 cfs)

**The Skins Lake Spillway release required to ensure release of the
Annual Water Allocation by March 31, 2005 is 29.97 m³/s (1,058 cfs)**