

## NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-1)

DATE: Thursday, October 8, 1987

TIME: 9:00 A.M.

PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.  
V5M 3Z3

ATTENDEES: Rod Bell-irving, (Federal Crown)  
Bruce Jenkins, (Alean Aluminium Limited)  
Pat Slaney, (Provincial Crown)

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### DECISION RECORD

1. Formal minutes or notes of these meetings were judged to be unnecessarily time consuming and would not contribute to achievement of the Technical Committee's objectives. It was agreed that a record of all decisions made together with supporting rationale would be prepared. This record would be signed by each Committee member, thereby reflecting the consensus represented by the decisions.
2. The Decision Record would be formally transmitted to the Nechako River Steering Committee after each meeting. It was concluded that public knowledge of the Technical Committee's activities was of fundamental importance, and it was the Steering Committee's responsibility to determine the nature and timing of information releases to the public which are in addition to those referred to in Item 8. The Steering Committee is requested to provide advance notice to the Technical Committee of their intentions to release information.
3. Personal notes taken by Committee Members were not to be made available to any persons outside of the Technical Committee, and were only to serve as an aide for briefing alternate Committee members and respective principals.
4. It was agreed that each member would take turns acting as the recording secretary, with the order being B. Jenkins, P. Slaney, R. Bell-irving.
5. Initially, all meetings would be held at #205, 2250 Boundary Road, Burnaby, B.C. This location is convenient to all three members and has good support facilities. As well, a consistent location would contribute continuity to the long term activities of the Committee.

6. In view of the significant amount of planning needed in the early stages of the Technical Committee's work, it was agreed that weekly meetings at 8:00 A.M. on Thursdays was a minimum requirement for the next few months. The next meeting was therefore scheduled for October 15, 1987.
7. The secretary of the previous meeting would be responsible for preparing the agenda for the next meeting, and would do so by including:
  - i) all items carried over from the previous meeting, and
  - ii) all new items presented to him in advance by Committee members.

New agenda items would be sufficiently detailed to allow advance preparation for discussion, and would be formatted to define the topic or issue, provide background information, and to state the purpose of the item (i.e. decision required, information only, etc.).

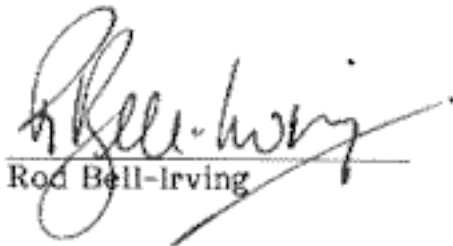
8. The Committee decided that a clear policy on communications with the public was a priority requirement, and agreed that the following position would be presented to the Steering Committee:
  - i) public knowledge of the Technical Committee's activities is essential.
  - ii) the Technical Committee interprets its mandate to include the responsibility of communicating with the public and accordingly needs to define procedures to fulfill this obligation.
  - iii) the Technical Committee will formalize its existence as a recognisable entity, and the preparation of a discrete logo and letterhead is viewed as the first step to accomplish this.
  - iv) the Technical Committee will convene at least one public meeting annually for the purpose of presenting their Annual Report, (a complete record of decisions will be appended to that report). It will be an "information" meeting to describe activities undertaken to date, to outline plans for the subsequent year, and to answer questions. This meeting will be held in appropriate Nechako River communities during the first week of March.
  - v) special consultation meetings (where public input is solicited) and/or public information releases will also be planned when circumstances dictate (i.e. under forced spill situations).

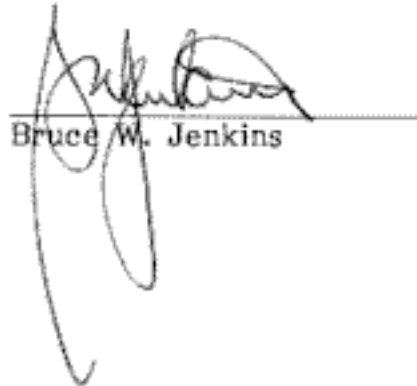
- vi) all Technical Committee communications with the public will be either documents signed by all Committee members or verbal presentations at Public Meetings by a spokesman designated by the Technical Committee.
  - vii) the Technical Committee will take all reasonable steps to provide and co-ordinate opportunities for Native involvement in the implementation of the Program of Measures.
9. The Program of Remedial Measures is to be implemented to ensure the sustained conservation and protection of chinook and sockeye salmon resources of the Nechako River as defined in the Settlement Agreement. However, it was agreed the Provincial Crown's plans and programs for managing freshwater sports fish populations should be regularly reviewed by the Technical Committee prior to their implementation. As well, all chinook/sockeye remedial measures that are contemplated should be assessed in the context of jointly benefitting these species as well as freshwater sports fish wherever feasible. These actions are intended to facilitate a co-operative fishery management program and to optimize protection efforts.
10. It was decided that a clearer definition of "Applied Research" and "Monitoring" was required. The Technical Committee would provide this definition and then prioritize the key research areas identified in the Settlement Agreement.
11. The Technical Committee confirmed that the feasibility, design, pilot construction, and implementation of remedial measure was 100% Alcan's financial responsibility, while the costs of monitoring the effectiveness of these measures was to be equally shared by DFO and Alcan.
12. The Technical Committee established the following Selection Criteria for the external member:
- i) no real or perceived affiliation with either of the three parties.
  - ii) B.C. expertise preferable, but North Western U.S. experience and knowledge would be acceptable.
  - iii) technical expertise in one or more of: instream enhancement measures, bio-engineering techniques, hydrology, or chinook ecology.
  - iv) strong personal skills in areas of communication, leadership, innovative thinking, and problem solving.

A short list of candidates was to be evaluated at the next meeting with the intent of expediting the selection and recruitment of the Committee's external member.

13. In the absence of a specific date for transition from the Short to Long Term Water Allocation, the Technical Committee assumed a minimum of 5 years (1988 to 1993) would elapse prior to the transition. All programs would be designed and implemented based on this important working assumption. Alcan is requested to notify the Technical Committee at the earliest possible date should this assumption become invalid.

The next meeting was scheduled for 9:00 A.M. Thursday, October 15, 1987.

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
Pat Slaney

October 15, 1987

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-2)

DATE: Thursday, October 15, 1987

TIME: 8:00 A.M.

PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.  
V5M 3Z3

ATTENDEES: Rod Bell-Irving, (Federal Crown)  
Bruce W. Jenkins, (Alcan Aluminium Limited)  
Pat Slaney, (Provincial Crown)  
Dennis Roberts, (Provincial Crown)

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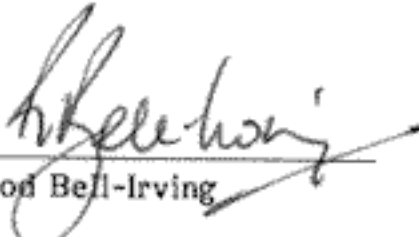
DECISION RECORD

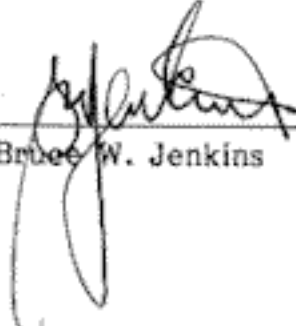
14. It was agreed that seven copies of each Decision Record would be signed by the members of the Technical Committee. Individual members would be responsible for forwarding one copy to their counterpart on the Steering Committee. A complete set of Decision Records will be appended to the Annual Report. This will serve as the mechanism for formal public release of the records.
15. It was agreed that it was important not to rush into selecting the external committee member. Wherever possible, we must take advantage of existing experience. The selection process was defined and consists of 6 steps:
- 1) Candidate list - develop short list
  - 2) Technical Committee to review CV's
  - 4) Possible site visit/workshop
  - 5) Possible second interview
  - 6) Decision/advice to Steering Committee appointment of external member to be finalized by December 1. R. Bell-Irving was asked to coordinate the gathering of CV's and arrangements regarding interviews. R. Bell-Irving is to prepare a detailed program for selection consistent with the December 1 deadline.
16. It was agreed that decision criteria contained in the Settlement Agreement were sufficient "as is" while the Technical Committee develop details of the first year's programme. It was recognized, however, that more detailed criteria needed to be developed. To assist the Technical Committee it was agreed that a one day workshop at 08:30 hrs on November 19 at DFO HQ's 555 W. Hastings would be

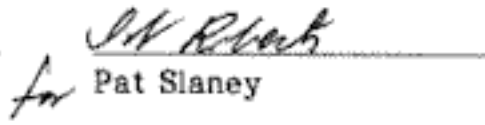
held. AT the workshop, staff from the parties would present and discuss their respective ideas on criteria to be used by the Technical Committee for decision making.

17. Index streams as an indicator of stock performance was discussed. Limitations were recognized but it was agreed that it would be useful to further investigate the validity of the assumptions that underlie a decision to use an index stream model. B.W. Jenkins is to prepare an outline of a feasibility study for such an investigation.
18. It was agreed in principal that there may be a requirement to initiate some cooperative winter habitat monitoring work this year. As time is short, it was decided to bring the Envirocon and DFO staff together to review the results of 1986/87 work and to develop the program for 1987/88. DFO will circulate a report of their 1986/87 work for review prior to the October 30 joint meeting.
19. B.W. Jenkins to prepare a summary of discussions to date on Program Implementation Measures.

The next meeting was scheduled for 8:00 A.M. Friday, October 23, 1987.

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
for Pat Slaney

2018-01            **NECHAKO RIVER STEERING COMMITTEE (SC87-1)**

DATE:            Friday, October 16, 1987

TIME:            10:00 AM

PLACE:           Department of Fisheries and Oceans  
1090 W. Pender St.  
Vancouver, B.C.  
V6E 2P1

ATTENDEES:      Nechako River Steering Committee

Mr. P. Asselin	(Federal Crown)
Mr. W.J. Rich	(Alcan Aluminium Ltd)
Mr. E. Anthony	(Provincial Crown)

Nechako River Technical Committee

Mr. Rod Bell-Irving	(Federal Crown)
Mr. Dennis L. Deans	(Federal Crown [Alternate])
Mr. Bruce Jenkins	(Alcan Aluminium Ltd)
Mr. A. Clyde Mitchell	(Alcan Aluminium Ltd [Alternate])
Mr. Pat Slaney	(Provincial Crown)
Mr. Dennis W. Roberts	(Provincial Crown [Alternate])

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## DECISION RECORD

1. Formal minutes or notes of these meetings were judged to be unnecessary. However, it was agreed that a record be kept of all decisions made together with supporting rationale. These records would be transmitted to the Steering Committee members after each meeting.
2. The Technical Committee requested Steering Committee direction on their proposed public communications policy (Refer to Technical Committee Decision Record #87-1, Item 8 for the Technical Committee recommendation). The Steering Committee adopted the Technical Committee recommendations with the following exceptions:

- a) The date of the annual public meeting should be held in early April to coincide with the release of the annual reservoir water forecast from the Province and the timing of approval of government budgets.
  - b) It was agreed that item 8 (viii) of the Technical Committee Decision Record (87-1) was not really a general public communication policy matter. As the Steering Committee members are separately discussing opportunities for Native involvement in the programs, especially with the Carrier Sekani Tribal Council, to avoid potential problems the efforts of the Steering Committee with respect to Native Involvement in the program should be co-ordinated through the Technical Committee.
3. The Steering Committee indicated that all Technical Committee public information releases be directed through existing communications groups within each of the principals' organizations. Each of the principals are to direct their respective groups to develop mechanisms for co-ordinated information releases on behalf of the Technical Committee.
  4. In addition, the Steering Committee recommended that a common logo and formal committee names be developed to jointly establish a unique identity. A single logo useable by either committee is to be developed and stationary prepared prior to Dec. 1/87.
  5. The external member of the Technical Committee is to be selected and the Steering Committee to be advised of the candidate's name by 1 Dec. 1987. In addition, the Technical Committee is to submit by that date a budget for this member's involvement for Steering Committee approval.
  6. It was recommended that the Technical Committee consider adding to the list of criteria for the selection of an external member that the potential candidate have native involvement expertise.



7. The Technical Committee indicated that their program planning is proceeding based on the assumption of a five year time span prior to final project development (defined as the reduction from short to long term flows). Mr. Rich indicated he would discuss the validity of this assumption with his staff and determine if a shorter time frame is likely. He undertook to advise the Technical Committee of the results of his discussions.
8. The Steering Committee members agreed to keep each other informed on their separate discussions with the Carrier-Sekani Tribal Council and to co-ordinate their communications efforts whenever possible.
9. It was agreed that the Steering Committee would make a public announcement, likely in early December, on the progress being made by the parties in implementing the terms of the Settlement Agreement.
10. The next Steering Committee meeting is to be held on January 26, 1988.

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-3)

DATE: Friday, October 23, 1987

TIME: 8:00 A.M.

PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.  
V5M 3Z3

ATTENDEES: Rod Bell-Irving, (Federal Crown)  
Bruce W. Jenkins, (Alcan Aluminium Limited)  
Dennis W. Roberts, (Provincial Crown)

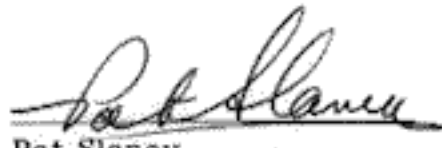
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DECISION RECORD

20. As a result of the decision made at the joint meeting of the Technical and Steering Committees on October 16, 1987, it was agreed to change the date of the annual public meeting from the first week of March to the first week of April. Refer to Decision Record (87-1) Item 8(iv).
21. The following schedule of activities was approved:
- |                   |  |
|-------------------|--|
| October 30, 1987  | Special meeting of the Technical Committee at the new D.F.O. office, 555 West Hastings St., 8:30 A.M. The meeting would be in the form of a workshop to review winter habitat monitoring programs. Staff from the Department of Fisheries and Oceans, Envirocon Pacific Limited, and possibly staff from Provincial Fisheries would participate. |
| November 19, 1987 | Special meeting of the Technical Committee at the new D.F.O. office, 555 West Hastings St., 8:30 A.M. A workshop style meeting including staff of the three main Committee Members will discuss and evaluate potential decision criteria.  |
| November 26, 1987 | Target date to have new stationery with new logo printed and ready for use.  |
| December 1, 1987  | Target date for Technical Committee to advise Steering Committee of name of candidate, including costs, for fourth member of the Technical Committee. It is also the target date for Press Release announcing the formation of the Technical Committee.  |
| January 26, 1988  | Target date for joint meeting with the Steering Committee to present 1988 Program and Budget proposals.  |
| February 15, 1988 | Target date for approval of the 1988 Technical Program and Budget by Steering Committee.   |

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
Pat Slaney

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-5)

DATE: Thursday, November 5, 1987

TIME: 8:00 A.M.

PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.  
V5M 3Z3

ATTENDEES: Rod Bell-Irving, (Federal Crown)  
Bruce W. Jenkins, (Alcan Aluminium Limited)  
Pat Slaney, (Provincial Crown)

INVITEES: (From 10:00 A.M. onwards)

Susan Blachut, (Federal Crown)  
Mike Fretwell (Federal Crown)  
Jeremy Abbott (Alcan)  
Clyde Mitchell (Alcan)

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DECISION RECORD

22. A review of the resumes received to date resulted in a short list being established. Interviews are to be scheduled for Thursday, November 12, 1987, with the following individuals:

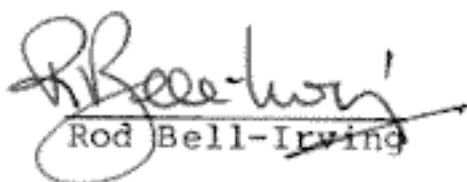
1. D. Hay
2. H. Horton
3. B. Lister
4. R. Whitney
5. A. Wood

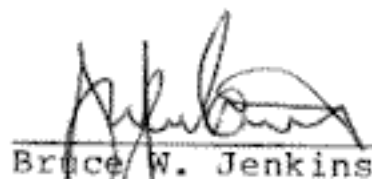
23. It was agreed to use the words **Nechako Fisheries Conservation** as part of the new logo for the Nechako Committees. Further work on additional words is required. A post office box has been established as follows:

P.O. Box 1630  
Station "A"  
Vancouver, B.C.  
V6C 2P7

24. Following considerable discussion, a cost sharing mechanism protocol has been established with respect to the monitoring program. Attached as schedule 1 to this decision record is a proposed cost sharing mechanism.

The next meeting is scheduled for 08:00 A.M. Thursday, November 12, 1987. Meeting to be held at 555 W. Hastings Street.

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
Pat Slaney

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-7)

DATE: Thursday, November 19, 1987

TIME: 9:00 A.M.

PLACE: Fisheries & Oceans  
4th Floor  
555 W. Hastings Street  
Vancouver, B.C.

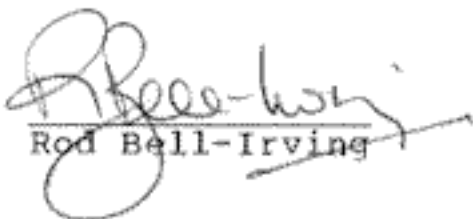
ATTENDEES: Rod Bell-Irving, (Federal Crown)  
Bruce W. Jenkins, (Alcan Aluminium Limited)  
Pat Slaney, (Provincial Crown)

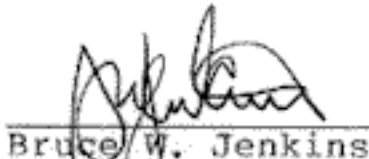
INVITEES: Colin Levings (Federal Crown)  
Clyde Mitchell (Alcan)  
Jeremy Abbott (Alcan)  
Mike Fretwell (Federal Crown)

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DECISION RECORD

25. A decision by the Nechako Technical Committee was made with respect to the letter-head for the Technical and Steering Committees. The name selected to be forwarded to the Steering Committee is NECHAKO FISHERIES CONSERVATION PROGRAM.
26. It was agreed that a conditional approval be given for an immediate startup of the winter monitoring study of ice conditions in the Nechako River. The project will document baseline temperature and ice conditions (especially anchor ice developing and receding in the river). This baseline data will allow comparisons of existing winter conditions with these that would occur during the long term water allocation period. The project is conditionally approved provided the proposal is revised according to an agreed project proposal format and cost control procedures are in place. The 1987/88 project will be jointly conducted by the staff of the Department of Fisheries & Oceans (DFO) and Envirocon Pacific Ltd.

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
Pat Slaney

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-8)

DATE: Thursday, November 26, 1987

TIME: 8:00 A.M.

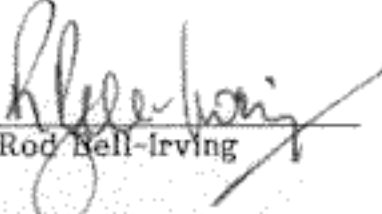
PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.  
V5M 3Z3

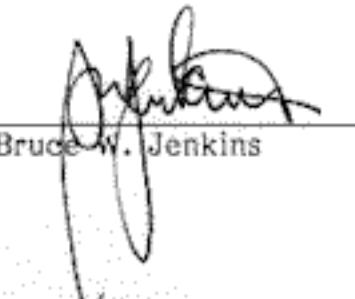
ATTENDEES: Rod Bell-Irving, (Federal Crown)  
Bruce W. Jenkins, (Alcan Aluminium Limited)  
Pat Slaney, (Provincial Crown)

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DECISION RECORD

27. Following the completion of interviews, and after reviewing the results, it was agreed that Duncan Hay would be asked to accept an appointment as the Independent Committee member. In the opinion of the Committee members, Mr. Hay demonstrated a pragmatic and holistic approach to problem solving, reflected a good balance of technical and personal skills and possessed extensive knowledge in geomorphology and physical sciences with considerable experience in British Columbia. He is also locally accessible and has good practical experience working with biologists.
28. The 1987-88 Winter Temperature and Ice Monitoring Project was approved as submitted (copy attached). Project number 0 - 1 was assigned for administrative purposes.
29. Procedures and format for obtaining Technical Committee approval of proposed projects were established as follows:
- i) Designated committee members will first prepare a project proposal document following the format adopted with project 0 - 1.
  - ii) If it is agreed to proceed, detailed Terms of Reference including candidate lists need to be developed and referred back to the Technical Committee for approval. Upon approval, the Designated Committee member will then solicit detailed technical and cost proposals.
31. The Counting Fence Feasibility Project was approved as submitted (copy attached). It was agreed that members do not at this time have enough information to reach any conclusions concerning the biological acceptability of a full stream fence. It was agreed that collecting objective engineering advice at this time would assist the Technical Committee in making a timely final decision. Project number 0 - 2 was assigned.

  
Rod Bell-Irving

  
Bruce W. Jenkins

  
Pat Slaney

NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-10)

DATE: Thursday, December 10, 1987

TIME: 8:00 A.M.

PLACE: Envirocon Pacific Limited  
205 - 2250 Boundary Road  
Burnaby, B.C.

ATTENDEES: Bruce W. Jenkins (Alcan Aluminium Limited)  
Pat Slaney (Provincial Crown)  
Duncan Hay (Independent Member)  
Mike Fretwell (Federal Crown)

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DECISION RECORD

32. A request was received from a member of the public for a copy of the temperature control "Protocol" referred to in the Nechako Settlement Agreement. It was agreed that the most expeditious method of providing such information to the public would be to ensure that copies of relevant reports are available in appropriate local libraries including Vancouver, Prince George and Vanderhoof. It was further agreed that the Committee would maintain a running list of documents made available to the libraries and of individuals or groups requesting information to facilitate future distribution of Annual Reports.
33. It was agreed to provide copies of the Settlement Agreement and the 3 Protocol documents referred to in the Agreement to libraries in Vancouver, Prince George, Vanderhoof, Smithers and the College of New Caledonia.

  
R. Bell-Irving

  
Pat Slaney

  
Bruce Jenkins

  
Duncan Hay

SCHEDULE 1.

NECHAKO RIVER TECHNICAL COMMITTEE  
NOVEMBER 5, 1987

MONITORING PROGRAM - COST SHARING MECHANISM

The Settlement Agreement provides for the Federal Crown and Alean to jointly fund all monitoring activities on an equal basis. During its initial meetings, the Technical Committee considered a number of possible mechanisms for the funding and execution of the monitoring program, and concluded that the following approach had the greatest merit subject to annual review:

- 1) Within each of the three categories of monitoring, (i.e. Stock Performance, Habitat, and Remedial Measures Performance), specific proposed studies will be developed which detail the study objective, methods, work plan, expertise required and schedule together with a detailed breakdown of study costs.
- 2) The description of expertise required to execute the study will identify the particular discipline(s) and skill sets required. Study team manpower needs will be categorized as follows:
  - i) Biologist
  - ii) Engineer
  - iii) Technician
  - iv) Support Staff
- 3) The breakdown of study costs will be itemized as follows:
  - i) Manpower: proposed mandays of effort for each category of study team members.

effort contributed or expenses paid at year end will be carried over into the subsequent year. These would then be balanced periodically by having the party with the lesser contribution assume a corresponding greater responsibility for contract costs and/or capital expenditures in the subsequent year.



**TABLE 1**

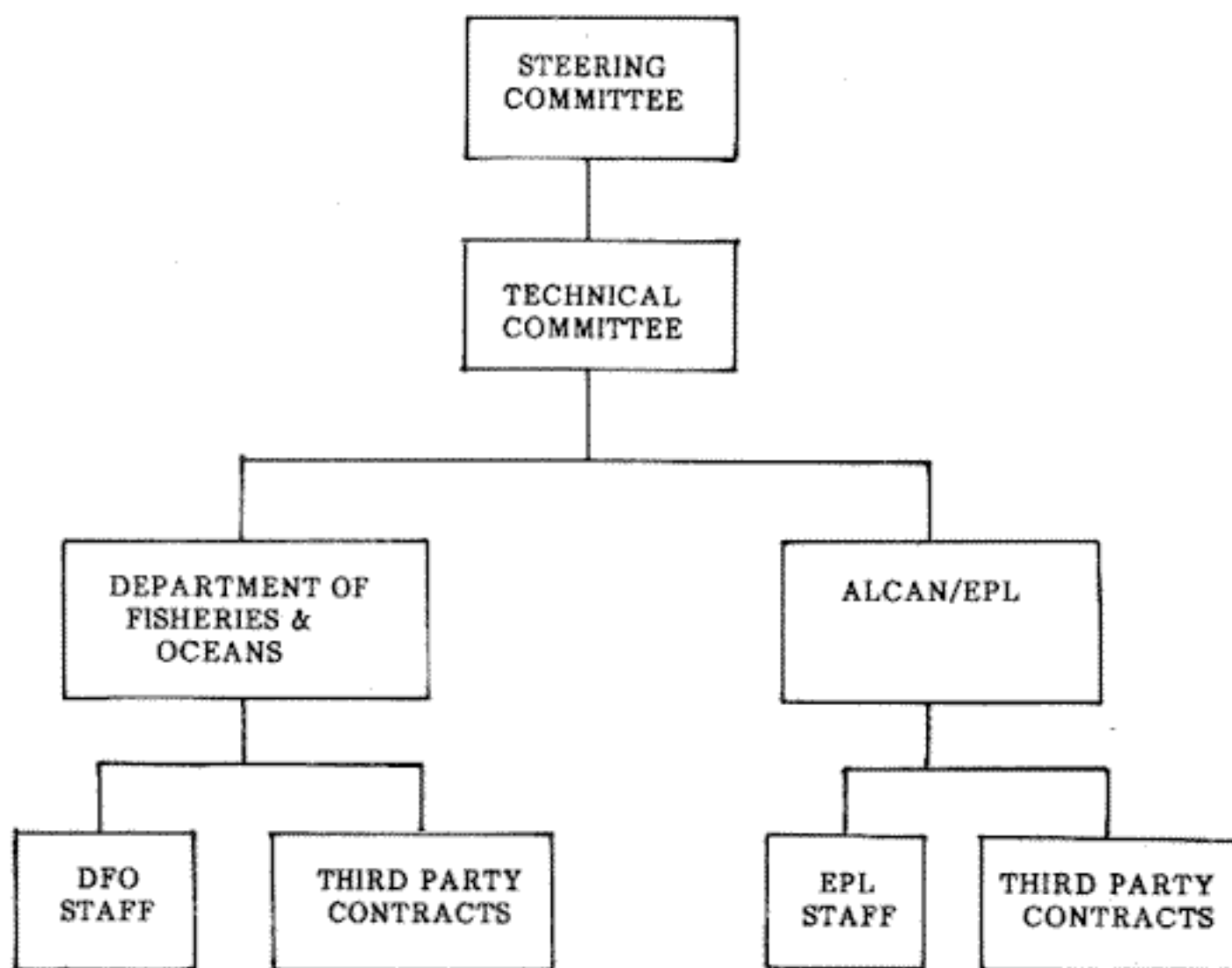
**YEAR END AUDIT - SUMMARY**

	<u>1</u> <u>Alcan</u>	<u>2</u> <u>Federal Crown</u>	<u>Difference</u> <u>1 - 2 *</u>
<b>1 Direct Expenditures</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
- Study disbursements			
- Capital items			
- Contract Costs			
	_____	_____	_____
<b>Total</b>	_____	_____	_____
<b>2. Mandays Contributed</b>	<u>Mandays</u>	<u>Mandays</u>	<u>Mandays</u>
- Biologist			
- Engineer			
- Technician			
- Support			
	_____	_____	_____
<b>Total</b>	_____	_____	_____

- \* - 0 value indicates 50/50 split
- negative value indicates Federal Crown has contributed greater than 50%
- positive value indicates Alcan has contributed greater than 50%

Figure 1

NECHAKO RIVER TECHNICAL COMMITTEE  
PROGRAM IMPLEMENTATION



# NECHAKO FISHERIES CONSERVATION PROGRAM

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

## NECHAKO RIVER TECHNICAL COMMITTEE MEETING (87-19)

DATE: Thursday, March 24, 1988

TIME: 0800 Hours

PLACE: Envirocon Pacific Limited  
#205 - 2250 Boundary Road  
Burnaby, B.C.

ATTENDEES: Dennis Deans (Federal Crown)  
Bruce Jenkins (Alcan Aluminium Limited)  
Dennis Roberts (Provincial Crown - alternate)  
Duncan Hay (Independent Member)

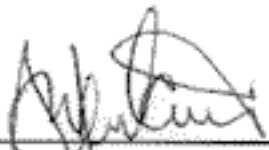
Clyde Mitchell (Alcan Aluminium Limited)  
Mike Fretwell (Federal Crown)


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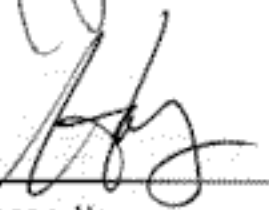
### DECISION RECORD

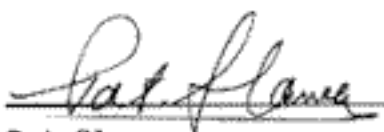
37. The flow regime specified in Column I of Schedule C of the Settlement Agreement was selected for April 1988. Accordingly, Alcan will be instructed to provide a spill of 54.6 m<sup>3</sup>/s at Skins Lake spillway by April 1, 1988. Subsequent flows will be determined following review of Murray/Cheslatta inflow hydrograph data.

This is consistent with the intent of the Settlement Agreement with respect to management of the Short Term Annual Water Allocation.

  
\_\_\_\_\_  
Bruce W. Jenkins

  
\_\_\_\_\_  
Dennis L. Deans

  
\_\_\_\_\_  
Duncan Hay

  
\_\_\_\_\_  
Pat Slaney