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SUGGESTED WORK PLAN
FOR THE
COMMITTEE ON SCIENTIFIC RESEARCH AND STATISTICS

by

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NORTH PACIFIC ANADROMOUS FISHERIES COMMISSION
by the
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**SUGGESTED WORK PLAN
FOR THE COMMITTEE ON SCIENTIFIC RESEARCH AND STATISTICS**

ABSTRACT

At the inaugural meeting of the North Pacific Anadromous Fish Commission in February 1993, the Commission adopted a set of interim terms of reference for the Committee on Scientific Research and Statistics (CSRS). It further directed the CSRS to review the interim terms of reference under the direction of the Committee chairperson and prepare a work plan for itself based upon these interim terms of reference. The CSRS is scheduled to meet in Vladivostok, Russia during June 22-24, 1993 to carry out the direction of the Commission. This document of a suggested work plan for the CSRS has been prepared by the U.S. National Section to facilitate discussions at the meeting.

**SUGGESTED WORK PLAN
FOR THE COMMITTEE ON SCIENTIFIC RESEARCH AND STATISTICS**

A. Organization of the Committee

Chairman of the Committee: As appointed by the Commission for 2 year terms

Each National Section shall be represented by:

Commissioner-members:	1 commissioner
Scientist-Members:	3 scientist-members (generally to represent expertise in salmonids, marine mammals, and other ecologically-related species)
Scientist-Advisors:	As named by National Sections
Steering Committee:	1 person per National Section to be designated from scientist-members
Editorial Referee:	1 to be named from each National Section.

Sub-committees: The Committee may wish to form Sub-committees from time to time to address specific issues. For example:

- a. Sub-committee on Biology and Enhancement -- to deal with life history features and propagation of salmonids.
- b. Sub-committee on Species Interactions -- to deal with bycatch, fisheries-marine mammal-seabird interactions and other ecological issues.

A Rapporteur shall be named ahead of time each year to receive and compile material on the following routine topics prior to each annual meeting:

- a. Compile and update statistics
- b. Compile field research plans

B. Operations of the Committee

I. Before Annual Meetings

1. The type of data and reports required from each national section shall have been identified prior to the annual meeting.
2. Based upon item (1) above, documents of research plans, data records and results of research are to be submitted to the Secretariat prior to meetings. These documents shall form the main basis for Committee deliberations.

3. **Compilations of updated statistics and research plans into standardized documents should be completed by the Rapporteur before the annual meeting based upon input submitted directly by scientists.**
4. **Rapporteur -- The rapporteur shall prepare a report/summary for the CSRS prior to the annual meeting.**

II. Procedures for Annual Meetings

The CSRS may need a week to conduct its work before the annual meeting of the Commission. There are two types of sessions:

1. Technical Session (Days 1-3 or 4)

- **Sub-committees will meet first. For example, the two sub-committees suggested shall meet to address their topics; one on biology-enhancement and the other on species interactions. Sub-committee meetings are to run sequentially.**
- **Then the Technical committee of scientist-members shall meet to discuss specific technical topics, topics in the sub-committee reports, coordinate research, and formulate recommendations. A CSRS Report shall be prepared for the executive session.**

2. Executive Session (Days 4-5)

- **The executive session shall be run by Commissioner-members. We may only need one day in executive session to develop recommendations for the Commission and formalize adoption of the CSRS Report.**

C. Committee Activities for the 1993 Annual Meeting

Pursuant to the Terms of Reference for the Committee, activities to be undertaken by the CSRS at the 1993 Meeting of the Commission are:

1. Review and coordinate the collection and exchange of scientific data and collection of specimens of anadromous species;
 - a. Exchange and review information on:
 - i. salmon fishery statistics for 1991 - 1992;
 - ii. fishery data identifying target species, number of vessels, areas of operation, fishing gear and effort;
 - iii. number of scientific research and scouting vessels operated in accordance with national and international research programs and the amount of salmon caught by such vessels;
 - iv. data on stock abundance, escapement by stock, migration by stock, fishery regulation, conservation and management plans, and other data that may be mutually agreed upon;
 - b. Develop procedures to collect and exchange biological samples;
 - c. Evaluate effects of artificially produced salmon on wild salmonid stocks and the ocean ecosystem. Exchange information relating to artificial propagation of salmonids and development of enhanced salmon fisheries.
 - i. This information includes historic, and present salmon production, locations of hatcheries and species cultured, descriptions of hatchery technologies in use, status of salmon feeding areas and prey species, data concerning numbers of juveniles released (including size, age and timing), methods used to identify and assess catches of hatchery fish in mixed stock fisheries, and interactions between wild and hatchery stocks.
2. Coordinate and assess scientific studies to ensure the identification of the location of origin of anadromous stocks migrating in the Convention Area and areas adjacent to it;
 - a. discuss methods of stock identification
 - b. identify the origin of anadromous salmonid stocks in catches and bycatches;
3. Ensure the availability of scientific information and views on ecologically-related species, including the impact of by-catches in related fisheries of species of concern designated by the Commission;
 - a. Exchange and review data on salmon bycatch;
 - b. Evaluate impact.
4. Present scientific research programs and review those in accordance with Article VII paragraph 6 of the Convention.

5. Develop a list of ecologically-related species which may be designated by the Commission as being of concern.
6. Develop appropriate observer programs to collect fishing information in the Convention Area for the purpose of scientific research on anadromous stocks and, as appropriate, ecologically-related species;
7. As appropriate, coordinate scientific exchanges, seminars, workshops, field research, and data analysis.
8. Present proposals for creating sub-committees to carry out the functions of the Committee.
9. Develop procedures for preparing, reviewing, and approving reports submitted for publication and recommend other reports to be published.
 - a. Develop a cooperative program to compile present and historic statistics on the catches and fishing effort by species taken in the Convention Area and adjacent waters.
10. Make recommendations to the Commission for the conservation in the Convention Area of anadromous stocks and ecologically-related species of concern designated by the Commission;
11. Make recommendations to the Commission to avoid or reduce incidental taking of anadromous fish in the Convention Area
12. Make recommendations to the Commission to invite any State or entity not party to the Convention to consult with respect to scientific matters relating to the conservation of anadromous stocks and ecologically-related species;
13. Make recommendations on cooperation, as appropriate, with PICES and other relevant international organizations to obtain the best available information, including scientific advice, to further the attainment of the objectives of the Convention;
14. Consider other matters as referred to it by the Commission;
15. Prepare the annual report of the Committee.