



Agenda item 5.5
For information

Council

CNL(01)39

Notification of Proposed Research Cruise

(Tabled by Canada)

NOTIFICATION OF PROPOSED RESEARCH CRUISE

DETAIL

PART A

1. **Name of research ship** CCGS Wilfred Templeman **Cruise No.** 371

2. **Dates of cruise** **From** September 13, 2001 **To** October 1, 2001

3. **Operating Authority** Canadian Coast Guard
Department of Fisheries & Oceans
P.O. Box 5667
St. John's NF Canada A1C 5X1

Telephone 709-772-5497 **Fax** 709-772-2019

4. **Owner (if different from 3)** _____

5. **Particulars of ship:** **Name:** CCGS Wilfred Templeman
Nationality: Canadian
Overall Length: 50.3 **meters**
Maximum Draught: 4.3 **meters**
Gross Tonnage: 925 **Gross Registered**
Propulsion: Geared electric, 1471 kw
Call Sign: CGDV

6. **Crew** **Name of Master:** J. Batten / C. Cooper
No. Of Crew: 23

7. **Scientific Personnel:**
Name of Scientist In Charge: Dave Reddin
Address: Department of Fisheries & Oceans
St. John's, NF, Can
A1C 5X1
Tel/Fax No.: 709-772-4484/ 709-772-6100

No. Of Scientists:

4

8. Geographical area in which ship will operate (with features in latitude and longitude).

NAFO Divisions 1F, 2GHJ, and 3KL extending from approximately 48° N northwards to 60° N latitude and from approximately 40° W westward to 59° W

9. Brief description of purpose of cruise:

To survey the Labrador Sea and northern Grand Bank for distribution and abundance of Atlantic salmon, especially post-smolts using surface set monofilament gill nets. Experimentally fish surface trawl and to test and compare catch rates in gill nets and surface trawl.

10. Dates and names of intended ports of call:

Sails from St. John's September 13, 2001

Returns to St. John's October 1, 2001

11. Any special logistic requirements at ports of call:

N/A

DETAIL

PART B

1. Name of research ship Wilfred Templeman Cruise No. 371

2. Dates of cruise From September 13 To October 1

3. **Purpose of research and general operational methods:**

To survey the Labrador Sea and northern Grand Bank for distribution and abundance of Atlantic salmon, especially post-smolts; To collect biological, meristic, and morphometric, biochemical data on salmon; To investigate the relationship between salmon and prey by collecting stomach contents; To investigate the relationship between sea temperature and other oceanographic parameters and salmon abundance; and To collect information on bycatch of marine mammals.

Operational method:

Fishing sets of up to 12 hours duration using surface monofilament drift gill nets will be made. Stretched mesh diameters will be 77, 89, 102, 115, and 127 mm. A total of 125 nets may be fished. Fish in same area with surface trawl.

4. **Attach chart showing (on an appropriate scale) the geographical area, work positions of intended stations, tracks or survey lines, positions of moored/seabed equipment:**

5. **Types of samples required, e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope...and methods by which samples will be obtained (including dredging/coring/drilling)**

Fish – Atlantic salmon – will be collected using monofilament drift gill nets and surface trawl. Based on previous surveys of this kind, it is anticipated that up to 500 post-smolts and mixed sea-winter aged fish may be sampled. Total of weight of samples will be less than 1000 kg.

6. **Details of moored equipment: (US Water Only)**

n/a

Dates

Laying Recovery Description Latitude Longitude

7. Explosives:

- (a) Type and Trade Name**
- (b) Chemical Content**
- (c) Dept. Of Trade Class and Storage**
- (d) Size**
- (e) Depth of Detonation**
- (f) Frequency of Detonation**
- (g) Position in latitude and longitude**
- (h) Dates of Detonation**

8. Detail and reference of

- (a) Any relevant previous/future cruises**

This survey was conducted in 1988, 1989, 1991 and 1998.

- (b) Any previously published research data relating to the proposed cruise.
(Attach separate sheet if necessary)**

Reddin, D. G., and P. B. Short. 1990. Postsmolt Atlantic salmon (*Salmo salar*) in the Labrador Sea. *Can. J. Fish. Aquat. Sci.* 48: 2-6 .

9. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.

Per Kanneworff, Greenland Institute of Natural Resources P.O. 2151 DK-1016
Copenhagen K Denmark

10. State:

- (a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable**

N/A

- (b) **Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and date and ports of embarkation/disembarkation.**

Yes

- (c) **When research data from intended cruise is likely to be made available to the coastal state and if so by what means.**

Scientific Equipment US Waters

11. Complete the following table - SEPARATE COPY FOR EACH COASTAL STATE (Indicate "YES" or "NO")

List of all major equipment it is proposed to use and indicate waters in which it will be deployed	Within Fishing Limits	On Continental Shelf	Distance from Coast			
			< 3NM	3-12 NM	12-50 NM	50-200 NM
Monofilament gill nets	yes	no	50-200 NM			
Surface trawl	Yes	No	50-200 NM			