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Central and Arctic Region



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REGIONAL INTRODUCTION

1.1 Regional Overview

On April 1, 1995, the federal Department of Fisheries and Oceans (DFO) and the Canadian Coast Guard (CCG) were merged into a single department called Fisheries and Oceans. In July 1995 the Minister of Fisheries and Oceans announced a new departmental organization including a new management structure and new regional boundaries. The five major functions of the Department include Canadian Coast Guard, Science, Fisheries Management, Industry Services and Corporate Services.

The Central and Arctic Region is responsible for the federal Fisheries and Oceans mandate in Ontario, Manitoba, Saskatchewan, Alberta, the Northwest Territories, Yukon North Slope and territorial marine waters. In the Northwest Territories, Yukon North Slope and the Arctic seas, the Region is responsible for the full Departmental Mission "To manage Canada's oceans and major waterways so that they are clean, safe, productive and accessible, to ensure sustainable use of fisheries resources and to facilitate marine trade and commerce". In Ontario and the three Prairie Provinces, the Federal Government has delegated certain

of its management prerogatives to the provincial governments. The Region also has specific responsibilities associated with special national and international agreements for the Great Lakes and St. Lawrence Seaway.

The Region covers 64% of Canada, is bounded by 71% of Canada's coastline and encompasses about 65% of Canada's marine waters and 67% of the country's fresh waters. The majority of Canada's population lives in the Region and the Region is home to the majority of pleasure boat owners, and recreational fishermen as well as supporting a significant proportion of commercial shipping. Most of Canada's domestic tonnage is registered and operated out of the Region. The Great Lakes in addition to being a key commercial and recreational waterway represent the water supply for approximately 30 million people.

The Region's program's are conducted from major facilities in Burlington, Sarnia and Winnipeg and from other offices and facilities throughout the Region (see Map.) Winnipeg is the Region's headquarters. The Region has a staff of about 1200 employees.

1.2 Clients

Fisheries clients are extremely diverse and differ significantly depending on the

geographic region and the service being provided. The following are the major clients



REGIONAL INTRODUCTION

of the fisheries sectors:

- Hydrography and Small Craft Harbours - primarily the boating and shipping industries in the Great Lake and inland waterways (many in common with clients of the Coast Guard)
- Inspection - both commercial fisherman and the processing industries
- Arctic Science and Fish Management - primarily natural resource co-management Boards and their subsidiary organizations as well as the domestic, commercial and recreational fisheries and secondarily other government agencies and international commissions and agencies
- Freshwater Science and Habitat Management - national and international agencies and communities for the Great Lakes and for inland water as well as industry, provincial governments and the general public

Coast Guard clients include commercial fishing interests, recreational boaters, the fishing industry, ferry services, Arctic resupply operators in the north, cruise lines, private shippers and Provincial, municipal and territorial governments as well as Federal government departments. The interests of all clients, in addition to the challenges of geography and climate, must be kept in mind when determining program delivery:

- The Canadian economy is inextricably

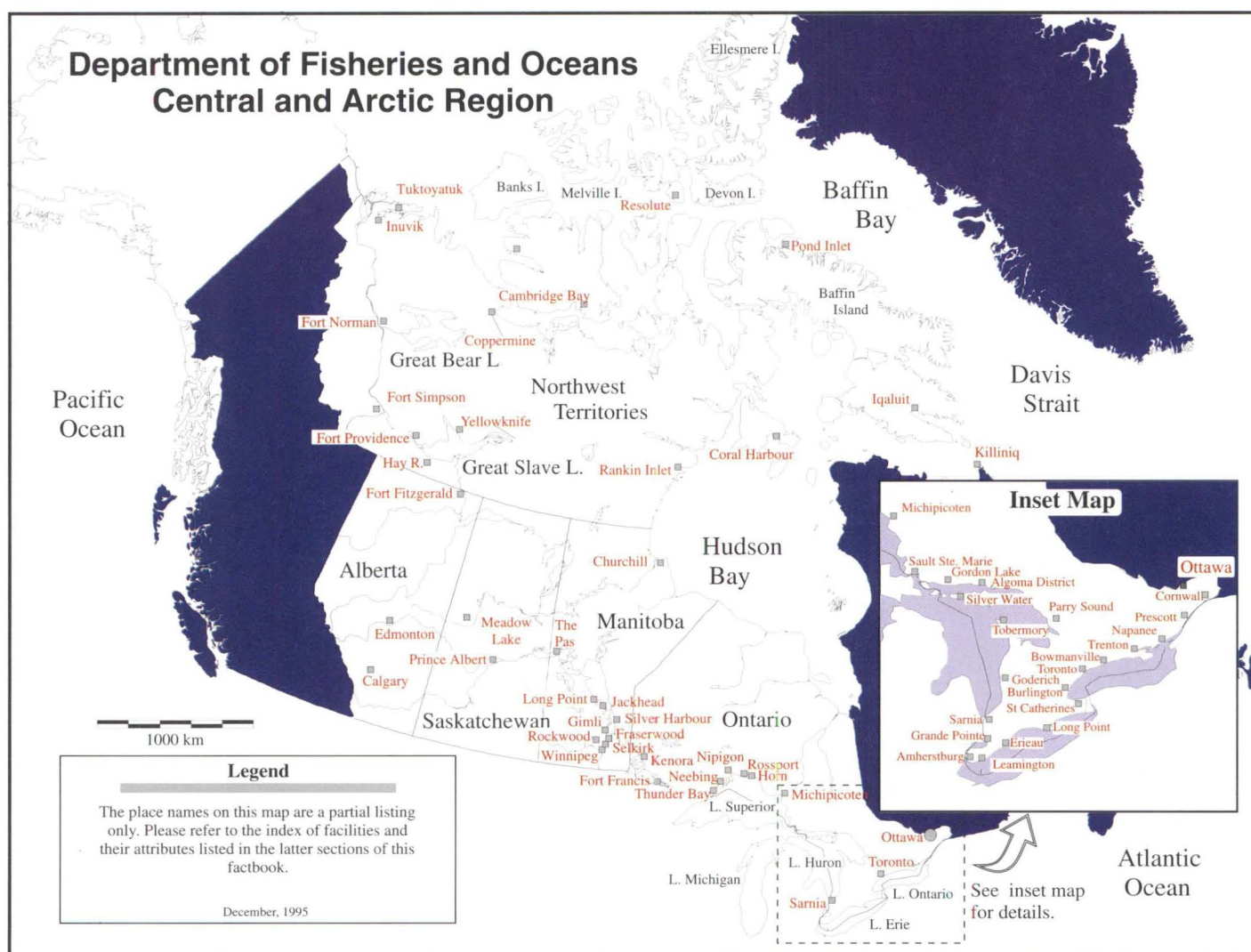
tied to its ability to trade thus leaving commercial shipping as a mainstay for our exchange of goods regionally, nationally and internationally. Marine transit has surpassed rail, truck and air tonnage movement

- It is estimated that one of two Canadians go boating at least once per year. With over 55% of the recreational boating population located in the pre-merger 'Central Region', it remains a key client focus
- The commercial fishing industry is another significant client utilizing navigational aids, electronic communications, and icebreaking services
- Ferries form an integral part of the Canadian transportation system on the Great Lakes and in the North West Territories
- The Coast Guard also provides marine support services (such as aids to navigation, dredging, icebreaking, resupply and ice management) to river based interests, as well as territorial, Provincial and even Municipal governments. In addition, the Coast Guard supports research projects of all kinds - (such as R&D, Science, seismic and hydrographic studies) - carried out by departments of Environment, Natural Resources, National Defence, Fisheries and Oceans and International organizations and private companies



REGIONAL INTRODUCTION

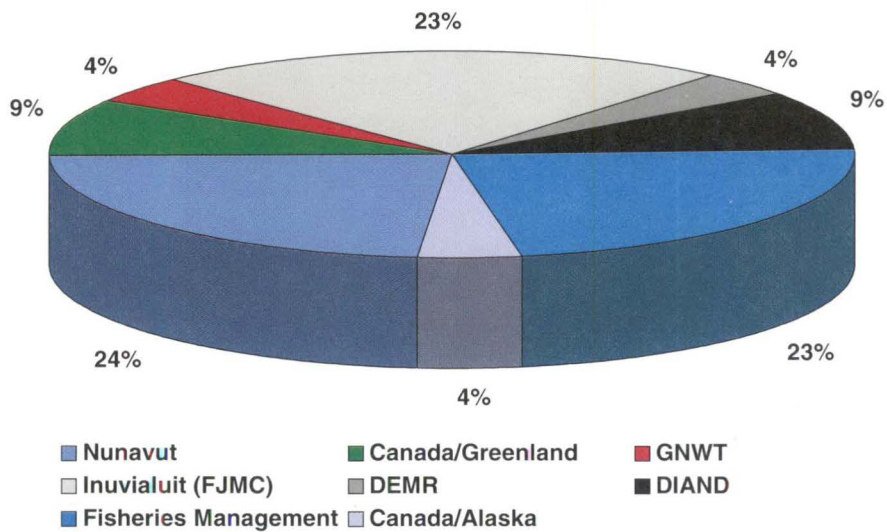
1.3 Central and Arctic Region Map



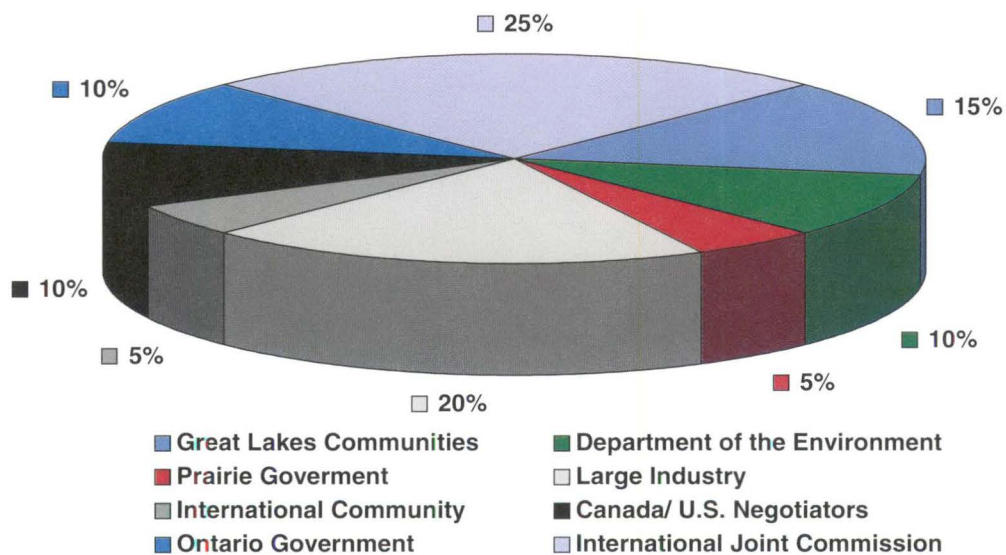
1.0 REGIONAL INTRODUCTION

Client Consultations 1.4

Client Consultations
Arctic Science



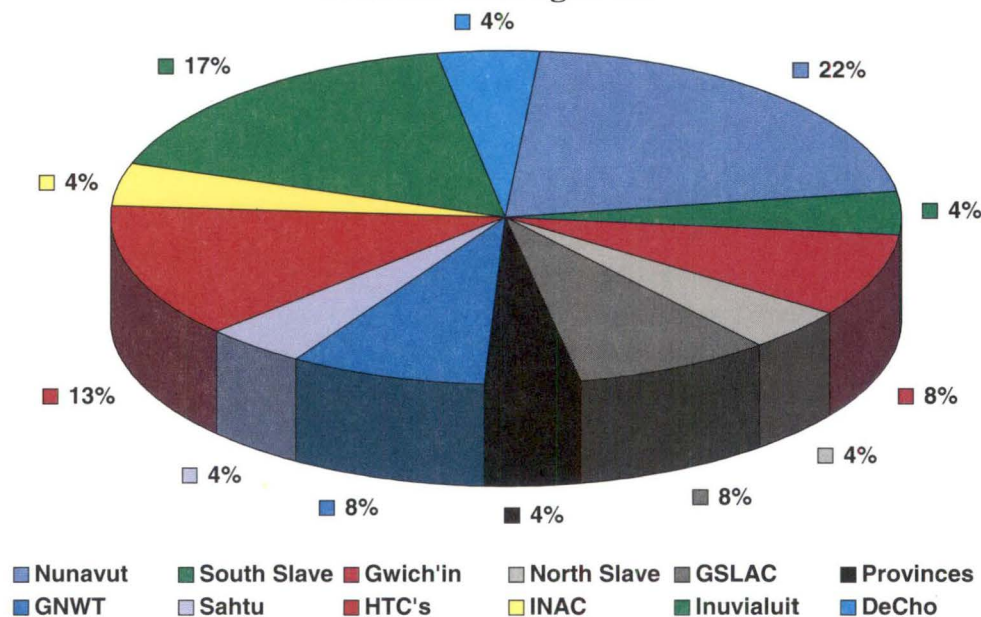
Client Consultations
Freshwater Science



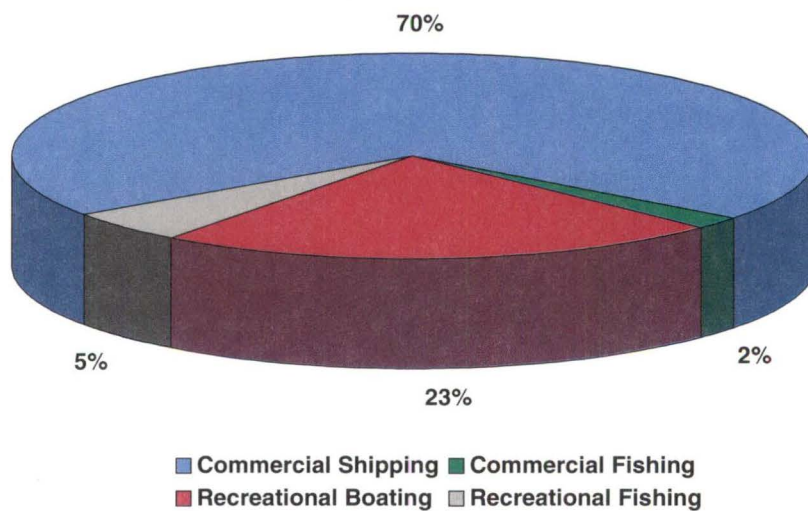


REGIONAL INTRODUCTION

**Client Consultations
Fisheries Management**

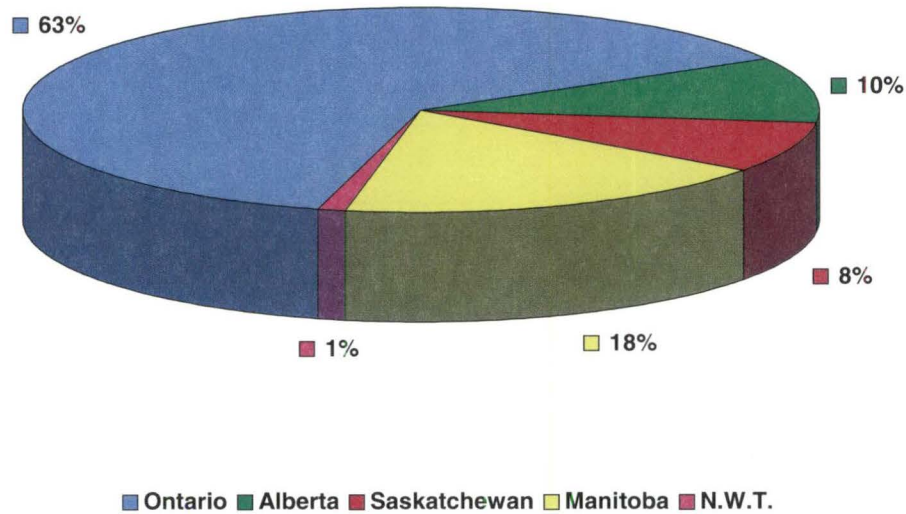


**Client Consultations
Hydrography**

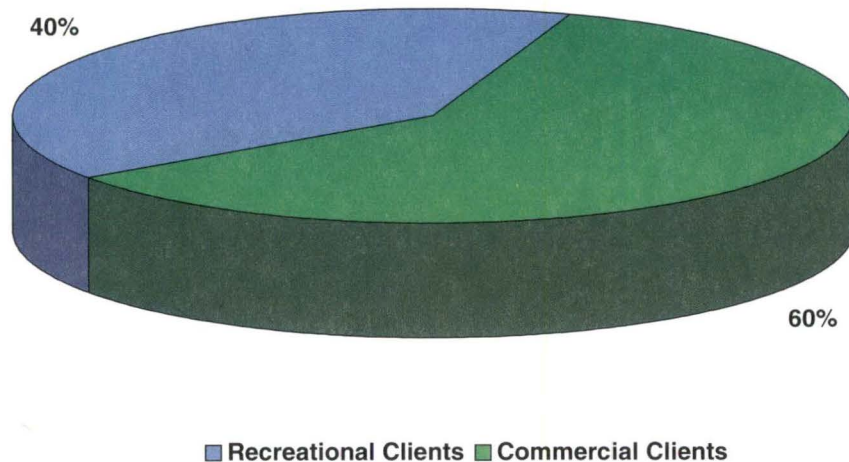


1.0 REGIONAL INTRODUCTION

**Client Consultations
Inspection**



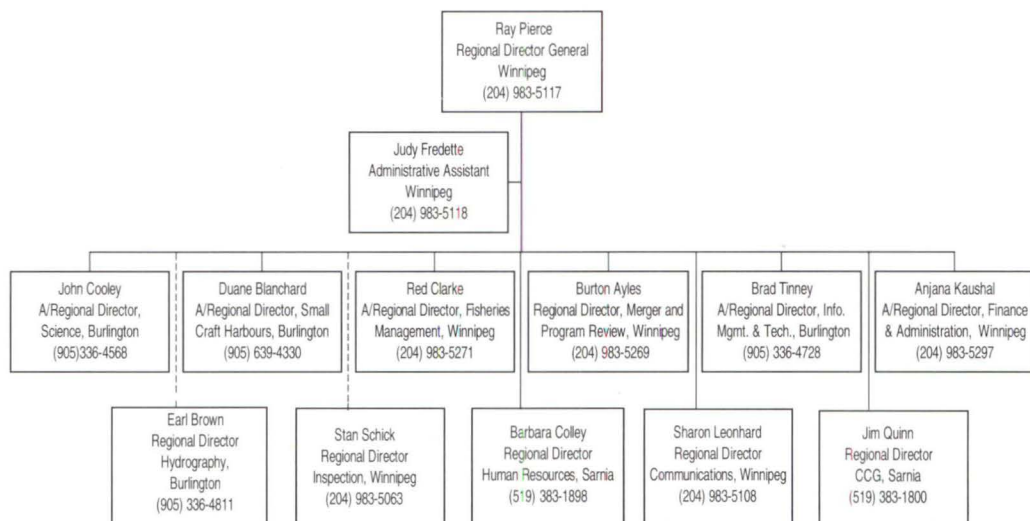
**Client Consultations
Canadian Coast Guard**





REGIONAL INTRODUCTION

1.5 Organization



December 1, 1995



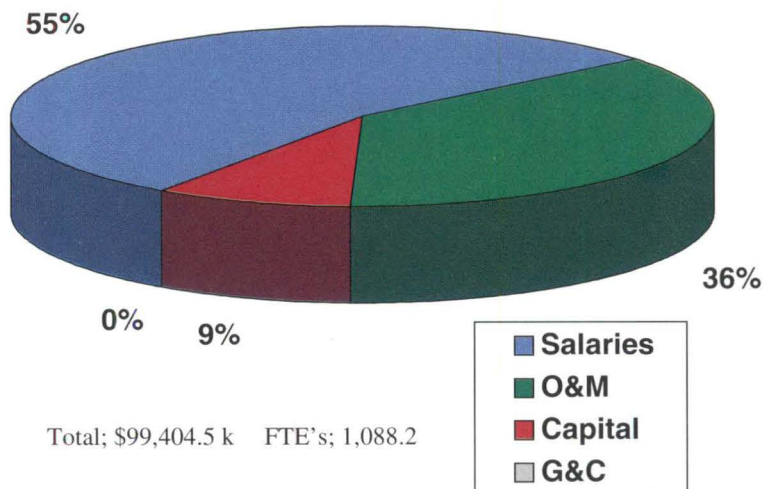
Regional Management Committee (L to R): Red Clarke, Fisheries Management, Terry Shortt (for John Cooley), Fisheries Science, Ian Marr, Arctic Issues Office, Barb Colley, Human Resources, Sharon Leonhard, Communications, Ray Pierce, Director General, Jim Quinn, Coast Guard, Anjana Kaushal, Finance and Administration, Duane Blanchard, Small Craft Harbours, Marilynn Hendzel (for Stan Schick), Fisheries Inspection, Judy Fredette, Executive Assistant to Regional Director General, Burton Ayles, Program Review and Transition, Earl Brown, Hydrographic Service.

1.0 REGIONAL INTRODUCTION

Regional Resources 1.6

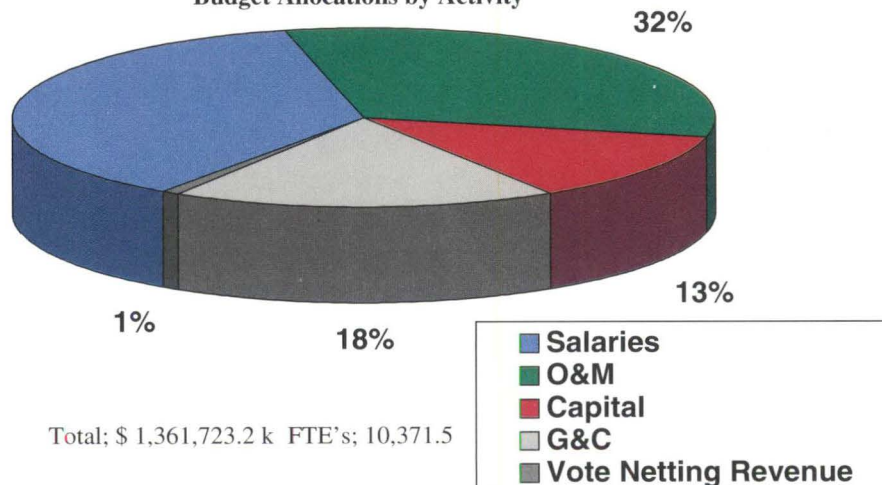
Central and Arctic Region

Budget Allocations by Activity



Department of Fisheries and Oceans

Budget Allocations by Activity





GOVERNMENT PROGRAM REVIEW

2.1 Overview

The Department of Fisheries and Oceans (DFO) Program Review Plan responds to the Government's commitment, announced in the February 1994 budget and initiated in May, to conduct a comprehensive review of its programs and activities. DFO has recommended proposed program review plans by restructuring departmental activities over the next five years, with some programs being abandoned, some revised, some done in partnership with the private sector, and some shared with other levels of government.

The impact of Program Review is based on sector activities. The proposed changes for the Central and Arctic Region will result in:

- Streamlining Inspection Services and a line reporting relationship to the Headquarters' Director General of Inspection
- Streamlining Hydrography and a line reporting relationship to the Assistant Deputy Minister of Science resulting in a possible Special Operating Agency
- Divesting Small Craft Harbours of recreational fishing harbours and rationalizing the commercial facilities
- Negotiating the delegation of Sections 35 and 36 of the Fisheries Act to the Provinces. Transferring residual habitat responsibilities to Environment Canada. Responsibilities for Fisheries and Habitat.

- Management in the Northwest Territories will remain with DFO
- Restructuring Corporate services to reflect the new organization
- Possibility of consolidating Ship's Branch with other government ships' programs

The current status of these actions is:

- Negotiations are underway with DOE with respect to the transfer of freshwater responsibilities
- Regional staff are being kept informed of progress via newsletters, memoranda and presentations by the RDG and briefings by Directors
- Full Time Equivalent Employees are covered by the provisions of the Workforce Adjustment Policy (WFA). A Human Resource Centre has been established for employees that are under 'Affected or Surplus' status, to inform them of their various rights and entitlements

An implementation team has been established with representation from various sectors. (See the following organization chart).

2.0 GOVERNMENT PROGRAM REVIEW

Organization 2.2



December 1, 1995

3.0 CANADIAN COAST GUARD

3.1 Overview

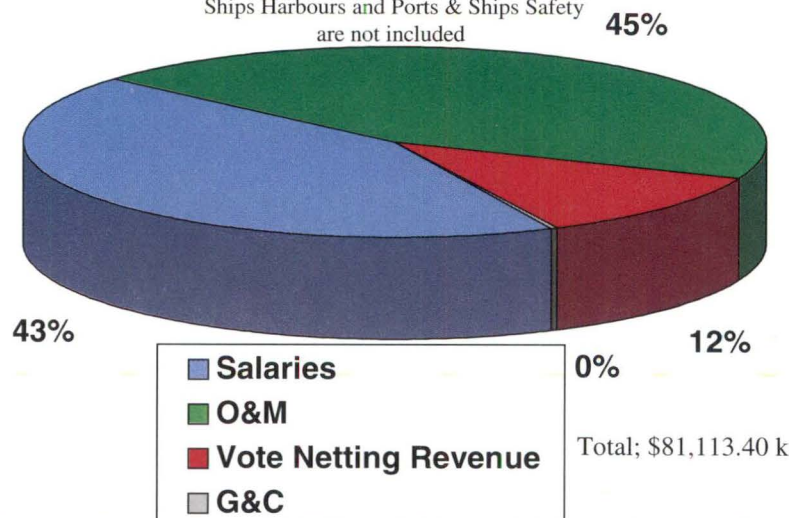
The Canadian Coast Guard is responsible for the provision of a safe, effective, environmentally sound marine transportation system in the Region. Coast Guard has recently re-structured the "District" concept of program management to a regional "Directorate" driven organization. The programs are currently administered within the Operations Directorate and are facilitated/maintained in whole or in part by the

Technical Directorate. In 1996/97, the Coast Guard will implement a further re-structuring by establishing a Directorate of Marine Programs and redefining the role of the Operations Directorate, as the primary marine and aviation service delivery platform. An Arctic Issues Office has been established to provide a single point of contact on all activities and matters of interest relating to Coast Guard in the Arctic.

3.2 Resources

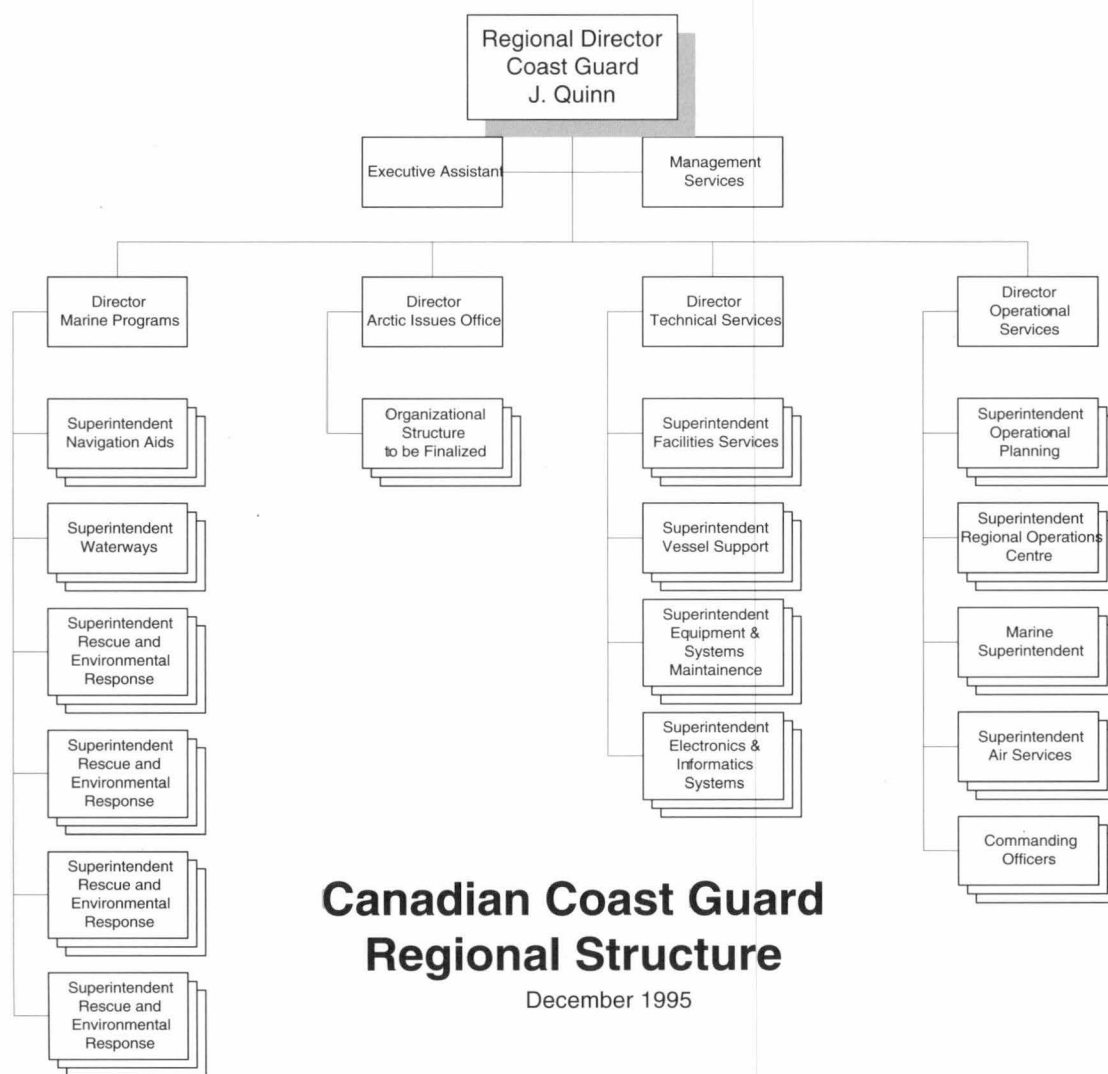
Canadian Coast Guard Budget Allocations by Activity

Capital \$ not incl.; Funded by Ottawa
Ships Harbours and Ports & Ships Safety
are not included



3.0 CANADIAN COAST GUARD

Organization 3.3



CANADIAN COAST GUARD



3.4 Canadian Coast Guard Programs

Marine Communications and Traffic Services (MCTS)

Coast Guard provides management of vessel traffic in selected ports, rivers and other waters, including the Arctic archipelago, as well as a safety and public correspondence communication service to the public throughout the Great Lakes and in the Arctic.

MCTS is responsible for provision of a distress-safety-communications and coordination infrastructure, application of a vessel screening regimen, regulating vessel traffic, management of an integrated marine infrastructure system, and provision of a public correspondence service on a cost-recovery basis.

Search and Rescue (SAR)

Services include monitoring for distress signals, responding to marine distress incidents, providing strategically located primary SAR vessels in support of SAR operations, and coordinating the Canadian Marine Rescue Auxiliary (CMRA). SAR education activities are conducted to minimize loss of life, reduce the number of incidents, and reduce SAR resource expenditures.

The CMRA provides vessels throughout the Great Lakes and Lake Winnipeg to augment Coast Guard resources; it handles over 25% of the SAR calls in the Region. Coast Guard is supported also by the aircraft and helicopters of the 424 Transport and Rescue Squadron in Trenton. The Rescue

Coordination Centre in Trenton, staffed jointly by Coast Guard and Armed Forces officers, coordinates the provision of SAR resources.

Marine Emergency Response

Coast Guard responds to all ship source spills throughout the Region, as well as mystery spills on the Great Lakes, either as the primary responder or as a monitor on behalf of the people of Canada. Its role is to ensure the rapid and environmentally friendly clean-up of substances that are harmful to the environment, as well as to provide advice and response capabilities to other government departments. In addition to environmental response and prevention, the Branch provides contingency planning services and advice to industry. The Branch maintains and operates an inventory of marine pollution counter measures equipment at depots located at strategic points in the Region. The activities in the Great Lakes are conducted under a protocol to the Great Lakes Water Quality Agreement between Canada and the USA. Coast Guard works with industry, environmental groups, response organizations and other governments to develop, update, test and exercise contingency plans to be ready in the event of a spill.

Marine Aids Program

Coast Guard provides, maintains and ensures the efficient operation of over 7,000 aids to navigation in the provinces and western Arctic. Through agreement, the Pacific and



CANADIAN COAST GUARD

Laurentian regions provide vessel support to help provide the Marine Aids Program in the Arctic.

Activities of the Marine Aids Program include:

- Planning and design, execution of Short Range marine aids services
- Administering private aids and mooring buoys, special buoys, and their uses
- Materiel management
- Providing site identification and security measures for equipment and isolated unmanned facilities
- Developing a cost recovery model
- Research and development of alternative service delivery or equipment options

Waterways Development Program

Coast Guard provides and maintains a safe and efficient national waterways system for commercial navigation. Activities include: initiation, planning, funding and execution of channel maintenance, restoration and development programs for commercial waterways; maintenance, restoration of development of main channels within Jurisdictional Harbours by agreement; providing and maintaining marine civil structures in commercial waterways; providing shore protection works to reduce damage to riparian property caused by ship waves or the presence of a Coast Guard

structure; providing water level monitoring information as it pertains to the Great Lakes hydrological basin and impacts upon the St. Lawrence River; and providing and maintaining levels of service for Waterways Development on Great Lakes interconnecting channels.

Navigation Protection Program

Coast Guard is responsible for ensuring the unobstructed passage of vessels and the protection of the public right of navigation in all navigable waters in Canada through the Navigable Waters Protection Act.

Responsibilities include:

- Administering and enforcing the Navigable Waters Protection Act through applications management and processes, removals management, and processes and complaints investigation
- Administering activities relating to “Receiver of Wreck” and salvage management; application of the Canadian Environmental Assessment Act pursuant to marine works requiring formal approval under the Navigable Waters Protection Act
- Developing a cost recovery model

Icebreaking Operations

Services in the Arctic and Great Lakes include: direct assistance to ships beset in ice and their escort through ice-covered waters; harbour breakouts where suitable commercial assistance does not exist; flood control for the safety and protection of the public and

CANADIAN COAST GUARD



the environment; and the provision of ice information and routing to assist the safe passage of ships during the winter in the Great Lakes and summer in the Arctic.

Operations in the Great Lakes are closely coordinated with the United States Coast Guard to ensure the safe and efficient delivery of icebreaking services to ships and the ports of both countries from Montreal to the Lakehead. An MOU identifies the shared responsibilities of each government. Coast Guard also has an MOU with the St. Lawrence Seaway Authority for navigational aids and icebreaking services.

Sealift

Coast Guard manages the Sealift program to resupply coastal communities in the Arctic. This involves coordinating the assembly, transportation and delivery of supplies by hiring space on ships, negotiating rates and monitoring the movement of cargo.

Research Support

In addition, the Coast Guard provides support for many research projects (e.g. Research and Development, seismic and hydrographic surveys) for diverse clients.

3.5 Issues Update

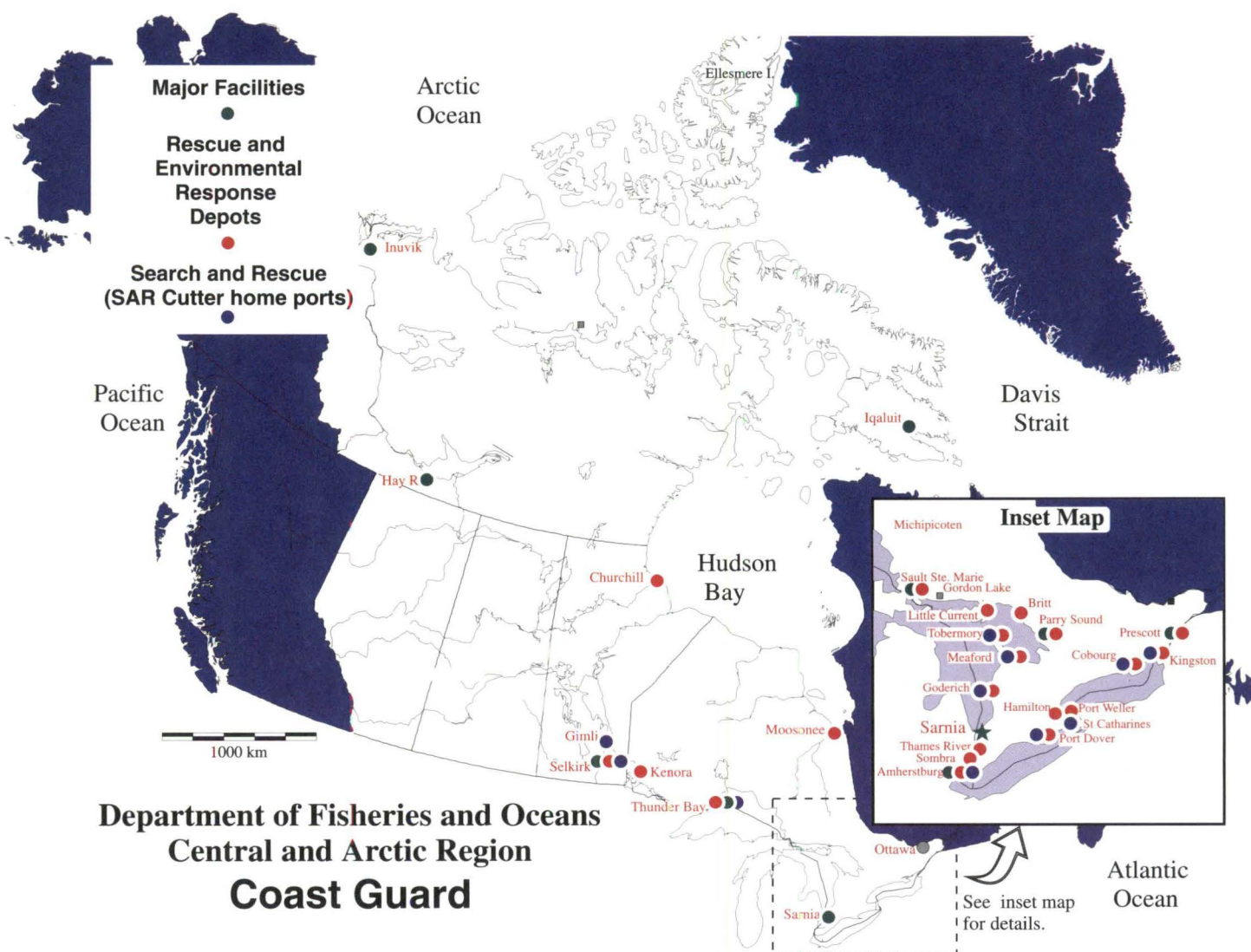
Current economic realities and public perception have altered the strategic direction of Coast Guard's traditional services. Initiatives have been undertaken to reduce costs and deliver services more efficiently, cost recovery strategies have been identified, although some commercial clients, with a view to cost avoidance, are requesting reductions to some current services. The amalgamation of the Central and Northern Coast Guard regions, restructuring, and consolidation of assets and real property has and will continue to dominate 1996/97 and 1997/98. All Coast Guard services, both internal and external, will receive increased scrutiny and development. Levels of Service indicators, performance targets and accountability frameworks will be developed.

Coast Guard services in the Great Lakes are closely tied to policies, procedures, and maritime customs as they pertain to the United States of America, and its maritime service arms such as the U.S. Army Corp of Engineers and U.S. Coast Guard, notwithstanding international initiatives as determined by International Maritime Organization, (IMO) and other global agencies such as the International Association of Lighthouse Authorities (IALA).

Increasing recreational boating, estimated at over one million boaters, and environmental issues both in the south and the north will demand greater, not less involvement by all levels of government involved with waterborne activities.

3.0 CANADIAN COAST GUARD

Canadian Coast Guard Map 3.6



Department of Fisheries and Oceans
Central and Arctic Region
Coast Guard



FISHERIES SCIENCE

4.1 Overview

The Science Directorate of the Central and Arctic Region provides information and advice to governments and industry. The region undertakes process-oriented research, and thereby provides the context within which the Federal Government ensures the overall conservation and protection of aquatic environments.

The extreme diversity of the region in terms of geography, demographics and species is mirrored by a diversity of federal responsibilities for fisheries in the different provinces and territories. By virtue of the Constitution, the Fisheries Act, the Canada Oceans Act, and the Canada Shipping Act, the Government of Canada has legislative jurisdiction over sea coast and inland fisheries

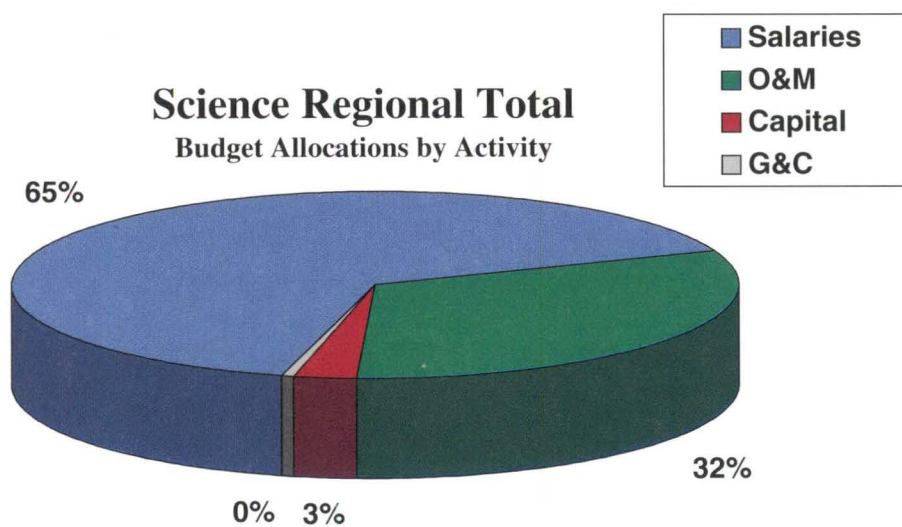
as well as navigational charting. In the Northwest Territories and the Arctic Ocean, the Central and Arctic Region fully exercises its federal mandate. In Ontario, Manitoba, Saskatchewan and Alberta, authority for the day-to-day management of inland fisheries has been delegated to the provinces. However, the federal government retains the responsibility for the conservation and protection of fish habitat.

The overall mission for Science is to provide timely and reliable scientific information which supports the conservation, management, and sustainable utilisation of the Region's fishery resources and the protection and conservation of aquatic habitat.



FISHERIES SCIENCE

Resources **4.2**

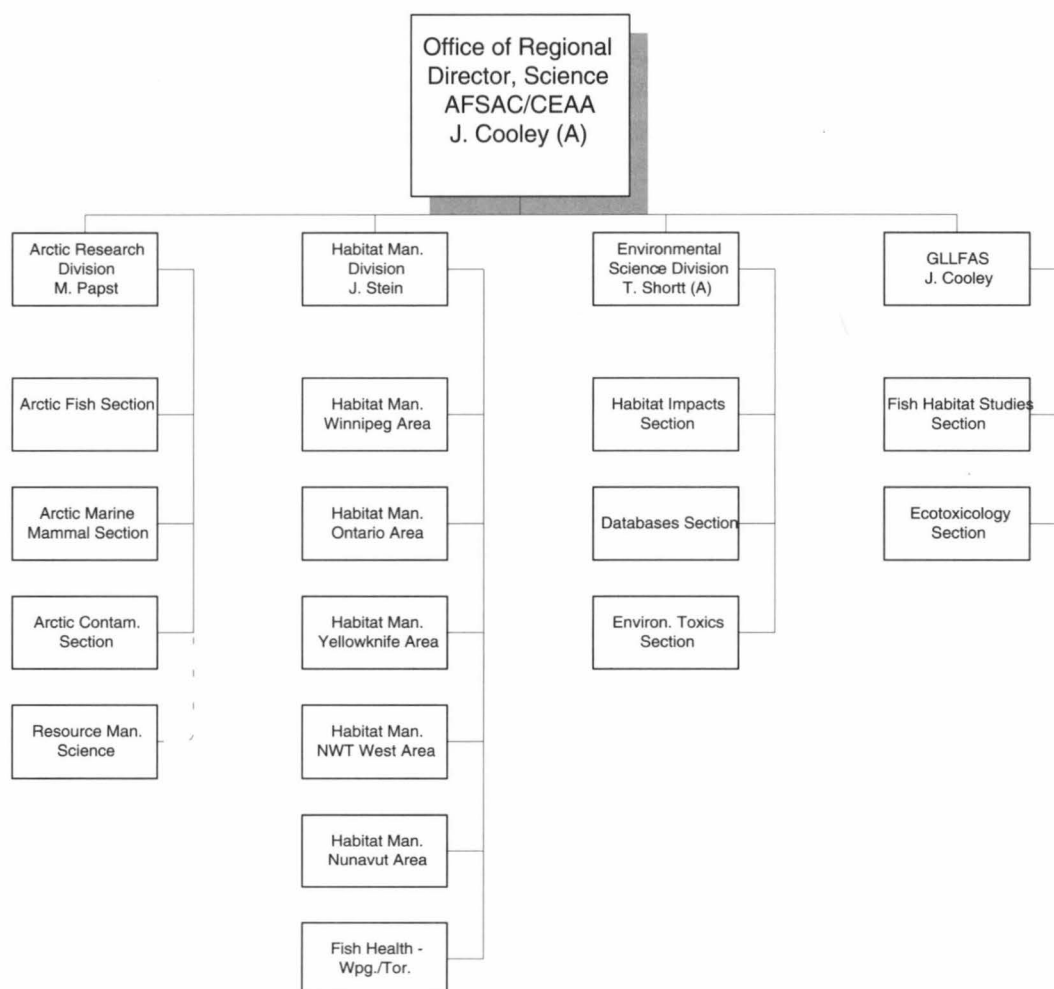


Total; \$ 16,698.8 k



FISHERIES SCIENCE

4.3 Organization



Fisheries Science Structure

Proposed March 1996

4.4 Fisheries Science Programs

Arctic Science Issues

Science has several distinct programs that recognize the diverse geographic area within

the Region's borders. Three research programs at the Freshwater Institute Science



FISHERIES SCIENCE

Laboratory (FWISL) in Winnipeg focus on Arctic science issues. The Arctic Fish and Marine Mammals Sections carry out process and stock oriented studies to acquire knowledge for the conservation, management, assessment, and protection of the fish and marine mammal populations of the Arctic. The Arctic Environment and Contaminants Section responsibilities focus on issues related to ecosystem dynamics and the impacts of contaminants on marine and freshwater environments. The work directly supports the co-management mandate of DFO and formal boards established under land claims settlement legislation. The Arctic Research Division actively uses existing equipment and techniques that range from tracking dogs for locating seal lairs to satellite tags, and to DNA amplifiers for delineating fish and marine mammal stocks. In addition, staff actively develop new and sophisticated techniques such as split-beam hydroacoustics and micro-pixe element analysis used in fish population studies. These new techniques provide data that was beyond reach even a few years ago. The Arctic Research Division also studies the composition of the Arctic marine ecosystem and assesses and monitors the levels of contaminants in Arctic fish, marine mammals, and their habitat. Contaminants are investigated for their impact on fish and marine mammals as food sources for northern peoples, as well as their direct impact on Arctic biota and their environment.

Environmental Science Issues

Research programs at the FWISL and the Great Lakes Laboratory for Fisheries and Aquatic Sciences (GLLFAS) focus on

regional freshwater science issues. The Environmental Science Division at the FWISL carries out process research on the structure and function of freshwater habitats with particular emphasis on national and transboundary habitat problems including acid rain, climate change, toxic chemicals, contaminants, and the ecological impacts of physical disruptions to fish habitat. Considerable effort is directed towards the maintenance and utilization of the specially designated Experimental Lakes Area in Northern Ontario near Kenora.

The GLLFAS in Burlington carries out research in support of several major federal (Canada/U.S. Great Lakes Water Quality Agreement, Great Lakes Fishery Commission) and provincial (Canada/Ontario Agreement) agreements related to the Great Lakes. Programs include contaminant monitoring to determine trends, and research to assess impacts of pollutants on the overall health of the living part of the Great Lakes ecosystem. Another focus of the GLLFAS is the development and application of habitat protection and restoration techniques in areas of concern around the Great Lakes.

Habitat Management

The Habitat Management Division is the regional focus for habitat management initiatives. It develops conditions, positions, or advice necessary to protect fish and marine mammals and their habitats from the effects of industrial activities. It administers specific sections of the Fisheries Act and the Canadian Environmental Assessment Act (CEAA). Proclamation of CEAA in 1995 greatly increased the Division's responsibilities in



FISHERIES SCIENCE

environmental assessment. While the region previously did not get involved in habitat issues in the Prairie Provinces, it is now responsible for initiating the CEAA process or for providing habitat advice to other Federal Departments who have triggered CEAA. Even when CEAA is not triggered, increased public awareness of habitat issues and management responsibilities requires DFO to become actively involved in Provincial review processes. In addition to

these activities, two small groups in Winnipeg and Toronto provide fish health certification services to the aquaculture industry in the Region, in support of the Fish Health Protection Regulations.

4.5 Issues Update

The Science programs are attempting to deliver an increasing number and scope of products as requested by clients during a period of resource uncertainty and changing priorities as part of Program Review. There are formidable challenges ahead that present staff with a complex set of problems.

Due to weather constraints and geographic distances, the Arctic presents a unique and costly environment in which to undertake research. Historically, staff have depended on sunset resources and short term support from research agreements with co-management boards to help carry out study initiatives. Both sources are in short supply in 1996/97, lack continuity, and will be less available in 1997/98 and future years. Opportunities for agreements with large industrial partners are limited.

The Science staff involved with the freshwater research program in Winnipeg and Burlington will be restructured in 1996/97 and will focus on a new core set of activities reflecting a

reduction in staff and a smaller operating budget.

The Fish Habitat Management program is also in a period of transition. As a result of Program Review, DFO intends to devolve certain freshwater responsibilities to the provinces but at this point it is not clear when this will occur.

As of April 1, 1996 Fisheries Science will streamline its operations into four working divisions:

- Arctic Research Division
- Environmental Science Division
- Habitat Management Division
- Great Lakes Division in Burlington at the Canada Centre for Inland Waters also known as the Great Lakes Laboratory for Fisheries and Aquatic Sciences



FISHERIES SCIENCE

Fisheries Science Map **4.6**





HYDROGRAPHIC SERVICE

5.1 Overview

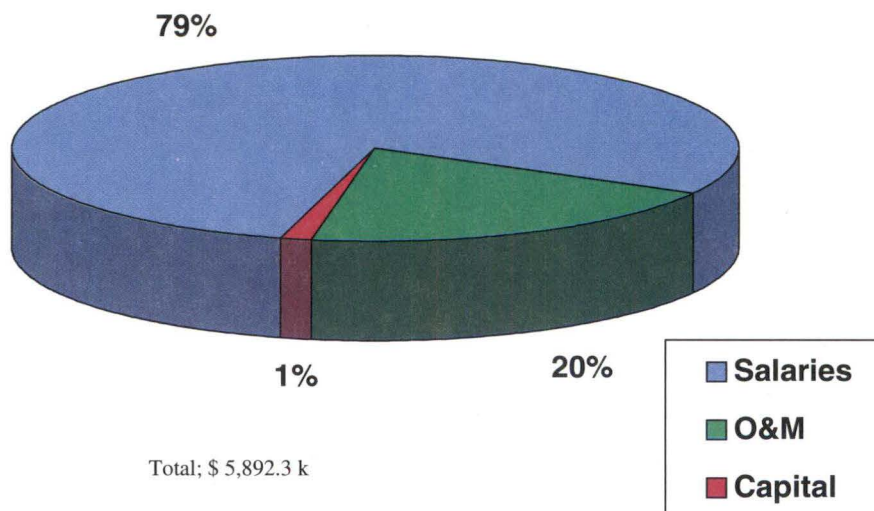
The role of the Canadian Hydrographic Service (CHS) is to provide timely and reliable information to enhance the safety and efficiency of navigation by undertaking field surveys to measure water depths; bottom morphology; bottom type and composition; tides, water levels and currents; and compiling and publishing accurate charts, sailing directions and other navigational

information.

Based on major acquisitions of electronic chart technology by the commercial shipping companies operating in Central and Arctic Region, considerable effort and resources have been directed towards the production and maintenance of this Region's electronic chart products.

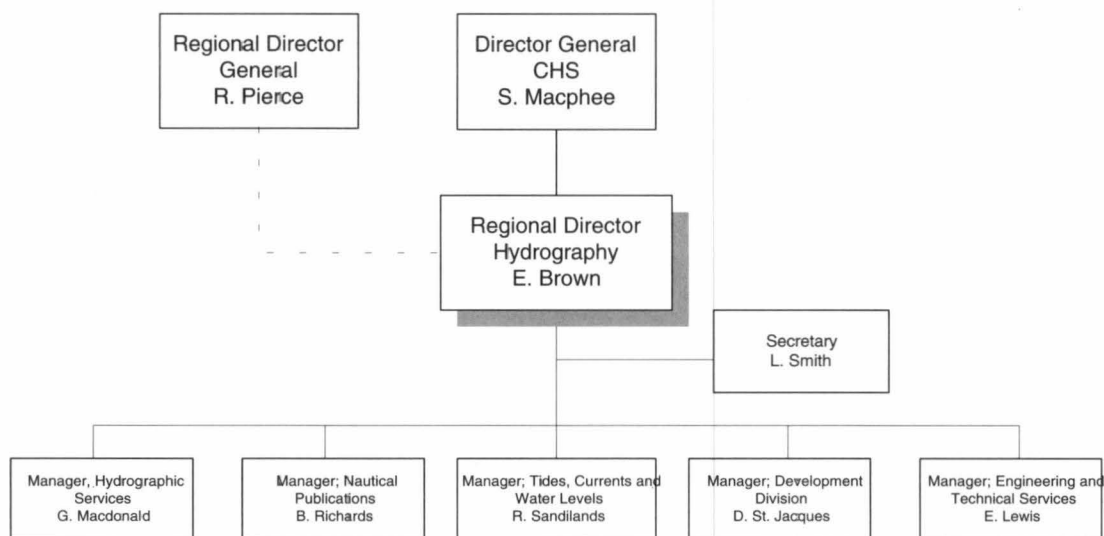
5.2 Resources

Hydrographic Service
Budget Allocations by Activity



5.0 HYDROGRAPHIC SERVICE

Organization 5.3



Canadian Hydrographic Service Structure

September, 1995



HYDROGRAPHIC SERVICE

5.4 Issues Update

The Canadian Hydrographic Service needs to find new ways to deliver its core program during a period of declining financial and human resources. The new ways will include using innovative technologies such as Chartnet (a computer network dedicated to the production, management and distribution of electronic charts), collaborating with clients and stakeholders and encouraging joint venture agreements and revenue sharing with the private sector.

At the same time, the CHS is faced with meeting an ever increasing demand for electronic charts as well as the need to maintain its existing products. Some of the increased workload has been financed by Green Plan funding, but 1996/97 is the final year of the program. Alternate funding sources must be found to meet the demand for this new product.

The evolution of the electronic chart and modern positioning technology (GPS) has changed modern marine navigation significantly. These improvements in marine

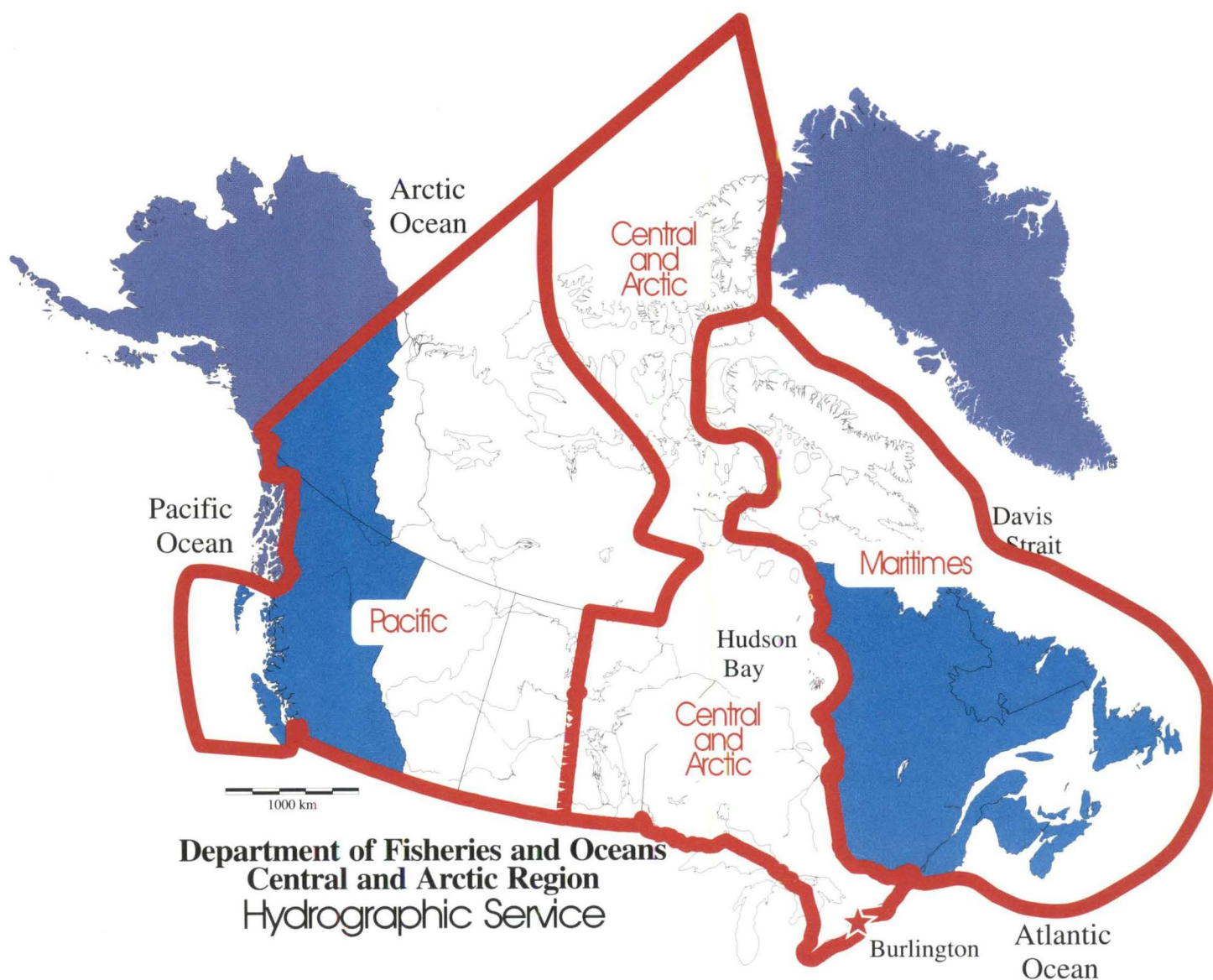
navigation have identified areas where the CHS charts are no longer adequate to meet the accuracy requirements of the modern navigator. This is particularly the case in the Arctic. In these areas, the CHS is required to re-survey in order to bring these charts to present accuracy standards. With the demise of the Polar Continental Shelf Program, alternate funding sources are required.

The long term effect of ongoing budget reductions over the past several years is now manifesting itself in the form of out-of-date charts. Survey information has not been incorporated on charts as quickly as in the past and this is resulting in a significant number of groundings.

Within the framework of departmental downsizing initiatives and the changing demands of our clients and partners, CHS in the Region has developed a new organizational structure. The new structure focuses on resolving problems with existing charts and meeting the new demand for electronic charts.

5.0 HYDROGRAPHIC SERVICE

Hydrographic Service Map 5.5





FISHERIES MANAGEMENT

6.1 Overview

The Fisheries Management Directorate conducts programs to conserve and manage fishery resources in the NWT, Yukon North Slope and territorial marine waters primarily in conjunction with legislated co-management boards established under land claim settlements. About 275 stocks of fishes and 29 stocks of marine mammals are harvested in food, commercial and

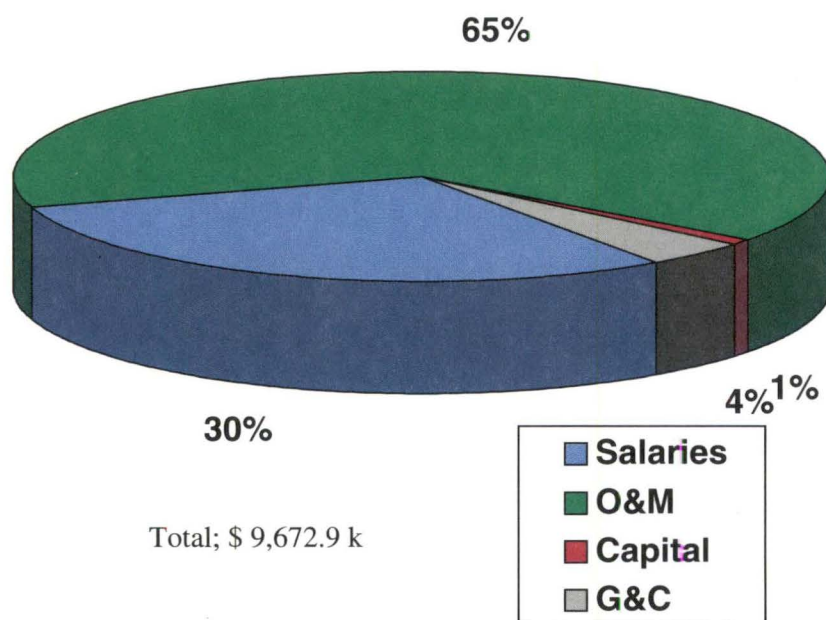
recreational fisheries. Activities include fulfilling responsibilities under land claims, development and implementation of fisheries management plans, application of the Fisheries Act and its regulations, licensing, and monitoring fisheries. The Directorate also delivers DFO's habitat management responsibilities in Ontario and the NWT with resources and functional direction provided by Science.

6.0 FISHERIES MANAGEMENT

Resources 6.2

Fisheries Management

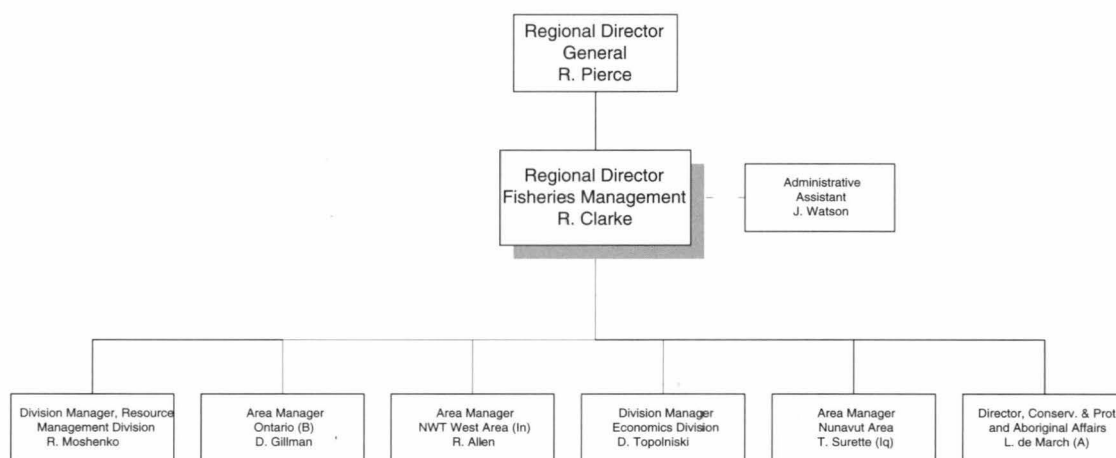
Budget Allocations by Activity





FISHERIES MANAGEMENT

6.3 Organization



**Fisheries Management
Directorate Structure**

September 1996

6.4 Fisheries Management Programs

Resource Management and Conservation & Protection

The Fisheries Management Directorate is responsible for the delivery of DFO's fishery and habitat management programs in the Northwest Territories, Yukon North Slope and territorial marine waters, where the department exercises both its legislative jurisdiction and the property rights over the management of the fisheries resources. The Directorate conducts programs to meet the Department's responsibilities for the conservation and protection of fisheries resources and fish habitat. This requires a wide variety of activities including: fulfill-

ing responsibilities under land claim settlements; application of the Fisheries Act and its regulations to protect and conserve fish and marine mammal stocks; interaction with fishermen and other clients; issuing licenses; habitat management to protect and enhance the aquatic environment of the fish and marine mammal stocks; implementation of land claims settlements; field fishery assessments and monitoring programs; and other minor activities. Many of these activities are conducted in close cooperation with co-management boards established under legislated land claim settlements.



FISHERIES MANAGEMENT

Habitat Management and Sea Lamprey Control

The Directorate is responsible for the delivery of the Habitat Management Program and the Sea Lamprey Control Program in Ontario. The Sea Lamprey Control Program is operated under a formal agreement between Canada and the USA. Control of sea lamprey populations occurs through population assessments, chemical treatment and barrier dam construction and maintenance. Alternative control mechanisms are being considered, and include an experimental sterile male release program. The Habitat Management Programs in Ontario and the

Northwest Territories are operated with resources and functional direction provided by Science.

Regional Policy and Economics

The Directorate contains the Region's Policy and Economics Programs. It supports the development and implementation of regional and national policy initiatives and provides information and analyses to clients. The Economics Program supports regional programs and responsibilities. The Directorate also is responsible for regional and national diving, emergency preparedness and environmental emergency programs.

Issues Update **6.5**

Legislated cooperative management processes in the NWT will continue to be a cornerstone of the management of fisheries. The co-management boards and DFO will become more accustomed to their roles and responsibilities, and co-management will be expanded with the recent establishment of the Sahtu Renewable Resources Board. The Region and the Department will have to continue to adapt to work effectively with co-management boards. Pressure on Arctic fishery resources will continue to increase because of rapid human population growth and because protein self-sufficiency and

fishery development, especially off Baffin Island, are priorities of aboriginal groups and the territorial government. Industrial, municipal and transportation developments in the NWT will increase the risk to fish habitats. Public interest in marine mammal and other conservation issues will continue, especially with the possibility of Bowhead whale hunts in the Eastern and Western Arctic in 1996.



FISHERIES MANAGEMENT

6.6 Fisheries Management Map



7.0 FISHERIES INSPECTION

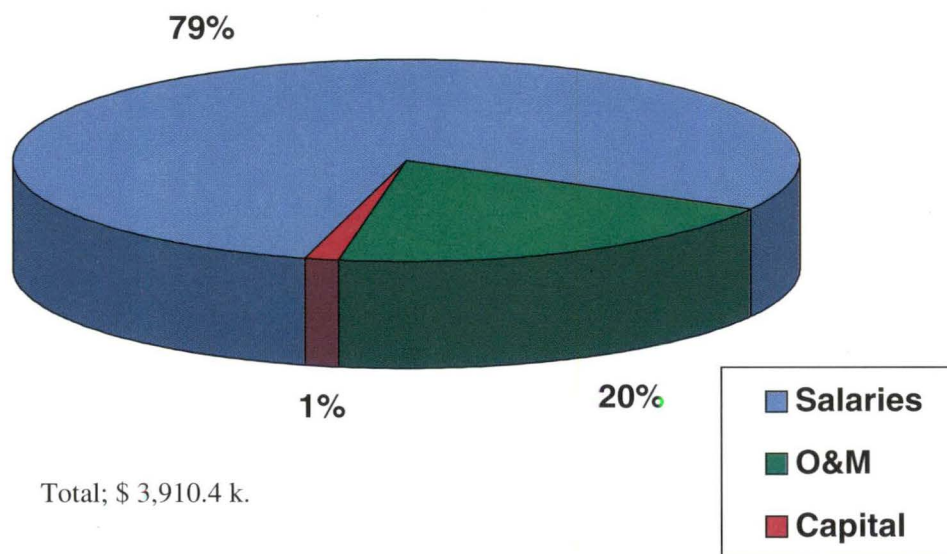
Overview 7.1

Inspection's mandate is reflected in its Mission statement that calls for the development and promotion of appropriate product and process standards that contribute to the achievement of acceptable quality,

safety and identity of fish and fish products, and provides reasonable assurance of compliance to those standards.

Resources 7.2

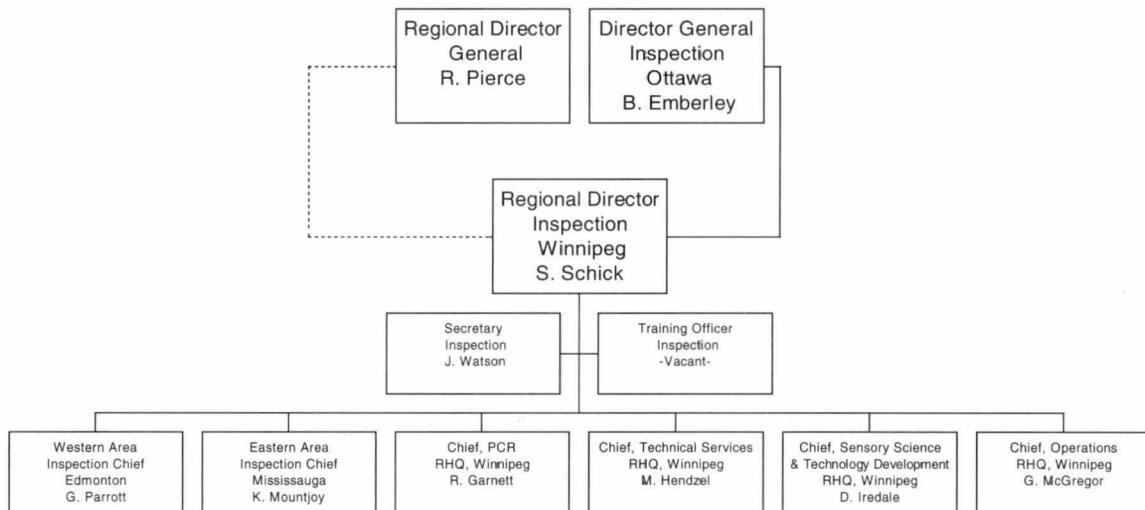
Inspection Services
Budget Allocations by Activity





FISHERIES INSPECTION

7.3 Organization



Fisheries Inspection Structure

April 1996

7.4 Fisheries Inspection Programs

Monitoring of the Quality Management Program

Inspection in the Region is responsible for the inspection monitoring of the Quality Management Program of 187 federally registered processing plants producing approximately 40 million kg of fish and fish products annually. Additionally, approximately 1,300 product inspections are conducted annually to certify fish products for export, produced by an average of 100 fisher/packers.

Monitoring of Imported Fish and Fish Products

The region is also responsible for the inspection monitoring of fish and fish products imported by approximately 550 licensed importers (44% of the total number of licensed importers in Canada). Close cooperation is maintained with provincial jurisdictions with regard to the enforcement of federal legislation through complementary provincial legislation. A close working relationship is maintained with the Health



FISHERIES INSPECTION

Protection Branch to resolve matters related to the health and safety of fish and fish products, and with Agriculture and Agri-Food Canada to monitor the processing and acceptability of fish products produced in jointly registered plants.

Inspection Training and Accreditation

It is also responsible for the national delivery

of sensory training, and shares national responsibility for the conduct of product sensory workshops to ensure national consistency in product evaluation inspections and the training and accreditation of inspectors in the application of product standards.

Issues Update **7.5**

Regional Inspection is headquartered in Winnipeg, and as of April 1, 1996, the program will be delivered through two Areas, an Eastern Area, headquartered in Mississauga, and a Western Area, headquartered in Edmonton.

The Eastern Area, already in place, covers Ontario to west of Sault Ste Marie, has an Eastern District office in Napanee, a Western District office in Leamington, and a sub District office in St. Catherines.

The Western Area will cover northwestern Ontario to east of Thunder Bay, Manitoba, Saskatchewan, Alberta and the NWT, will have an Eastern District office in Winnipeg, a Western District administered from Edmonton, sub District offices in Thunder Bay, Prince Albert and Calgary, and an Inspection stations located in The Pas.

The coming year will see significant changes in the way the Inspection program is delivered in the Region. These changes will be a result of the implementation of a more streamlined

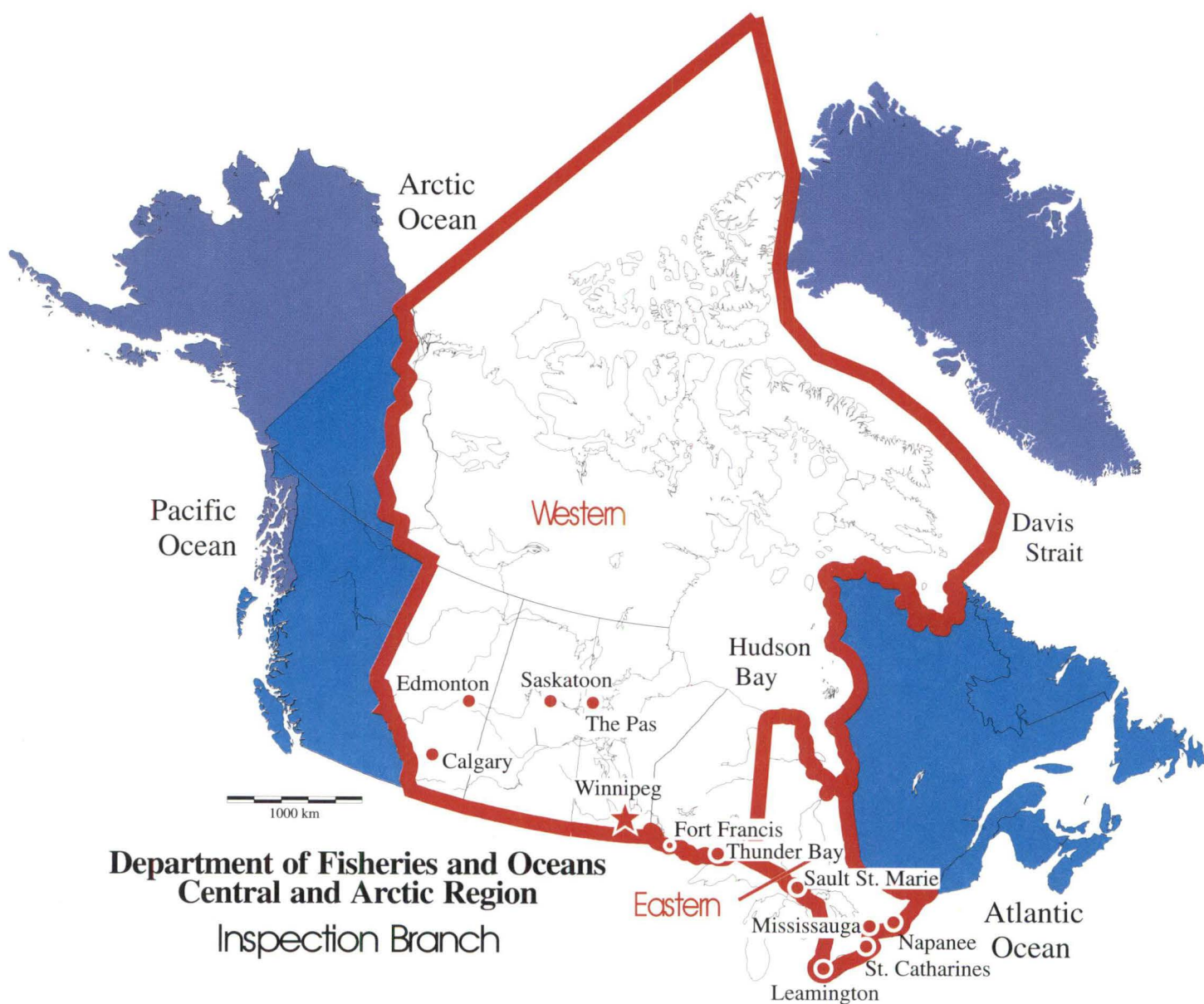
Inspection organization, the introduction of cost recovery initiatives, and a redesigned Inspection program. Greater control and responsibility on the part of the industry will be required of both the domestic sector under the Quality Management Program, by producers and exporters of fresh fish, and by the import sector under a Quality Management Program for importers.

Although fees for certain inspections have been applied under the import program for several years, those fees will be increased to reflect the effort required to provide those services. The costs of other import services also will be recovered. Additionally, fees will be applied to the domestic industry for the first time, for services such as plant registration and export certification. It is expected that cost recovery will result in some rationalization within the industry. Layered upon this is some uncertainty related to the Food Inspection System study, which will potentially further impact on the Inspection program and its delivery.



FISHERIES INSPECTION

7.6 Fisheries Inspection Map



8.0 SMALL CRAFT HARBOURS

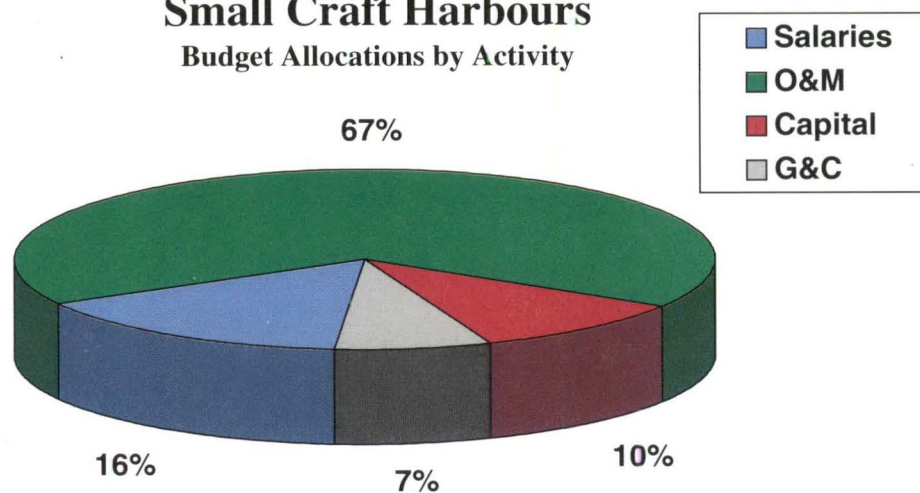
Overview 8.1

The Small Craft Harbours Program provides a network of safe and publicly accessible harbours serving commercial fishers, charter fishers, and recreational boaters, seasonal and transient alike. Basic infrastructure is

provided at 514 locations throughout the Region; 408 locations serve primarily recreational boaters, 59 locations serve the commercial fishing industry, and 47 locations are joint-use facilities.

Resources 8.2

Small Craft Harbours
Budget Allocations by Activity

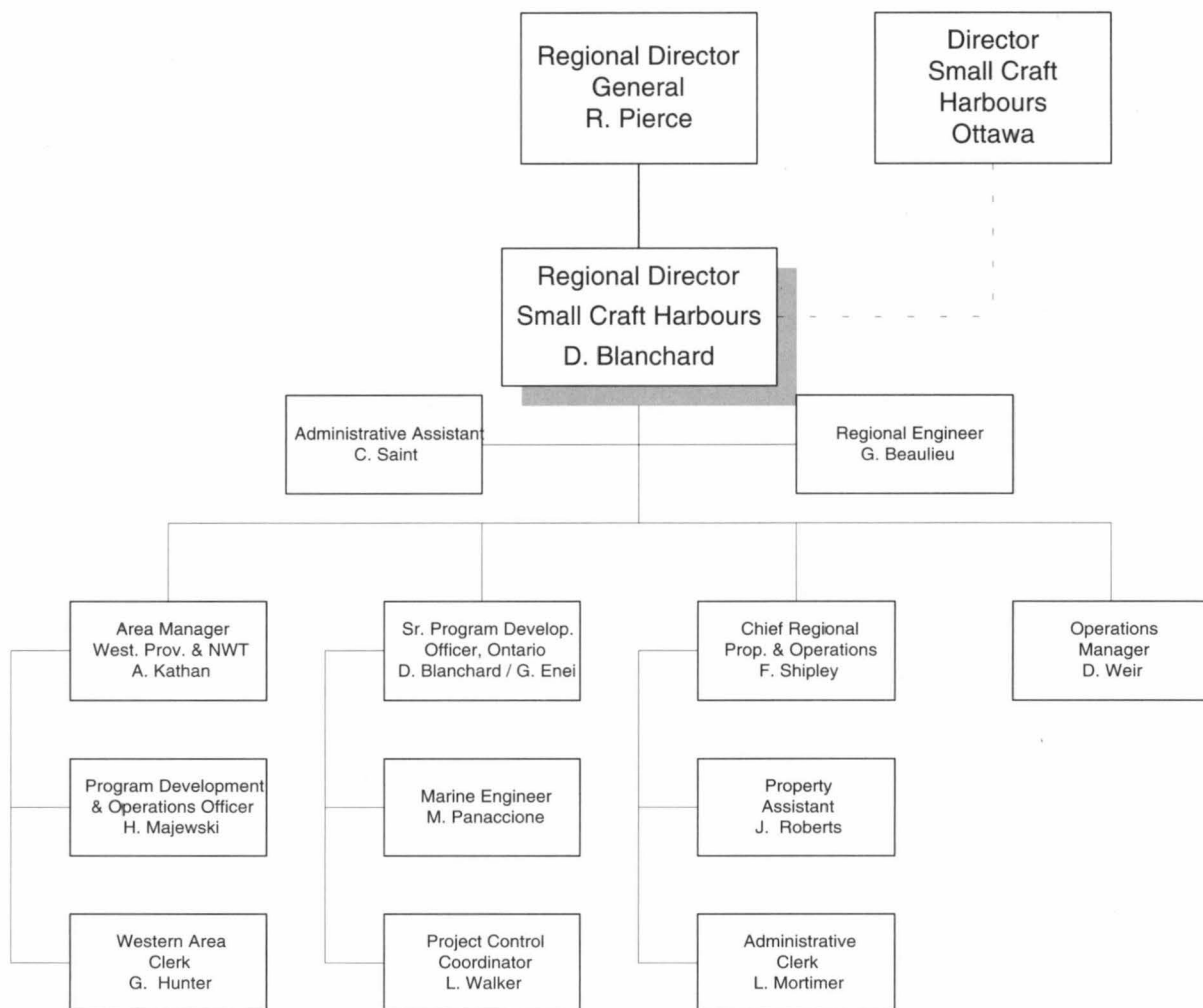


Total; \$ 4,131.0 k



SMALL CRAFT HARBOURS

8.3 Organization



**Small Craft Harbours
Structure**

February 1996



SMALL CRAFT HARBOURS

Issues Update **8.4**

The philosophy of the Region for the last twenty years has been to concentrate funding on active locally managed facilities. For recreational boating facilities, this has meant forming partnerships with local communities (i.e. municipal governments) who typically provided the supporting landbase and complementary on-shore improvements necessary for viable harbour developments. Approximately 64% of recreational harbours in the inventory are managed by local municipalities. Recreational harbour program costs are minimized through the use of local management agreements; all recreational harbour operation costs (power, water, sewer, waste management, etc.) are borne locally, liability is borne locally, grants-in-lieu-of-taxes are foregone, and many lessees participate in maintenance projects. The federal role at recreational harbour locations is generally one of landlord and basic regulator only.

At locations accommodating commercial fishing interests, local management has taken the form of either a Ministerially appointed Harbour Manager assisting the regional office in the delivery of basic services or, at locations with significant activity, a local Harbour Authority.

Total program costs for 1995/96 were \$4.1 million. Revenues to the Program are approximately \$1.34 million, of which approximately \$1.2 million are generated at recreational facilities through community management agreements. Virtually all are due

for renewal within the next five year period, creating a progressive opportunity for increasing revenues to the Program in future years. The replacement value of the Region's infrastructure is estimated at \$400 - \$450 million.

The region has only been able to meet most of the outstanding program requirements through a series of innovative measures adopted through necessity. These include inter alia, direct contracting through municipalities and others where possible and appropriate, selective disposal of sites and facilities where feasible, and cost-sharing of maintenance and dredging. Every opportunity is taken to cost share with other agencies, other levels of government and the private sector in the interests of economy and efficiency. Even so, we are unable to meet all safety and maintenance and replacement requirements or to undertake any of the outstanding new construction or development projects.

DFO intends to eliminate its responsibilities and costs associated with operating and repairing its recreational harbours. This objective will be achieved over a five-year period, through the following measures:

- Offering provinces, communities and the private sector, in that order, the opportunity to acquire harbours
- Increasing rates and fees to achieve full cost recovery to the program with a view



SMALL CRAFT HARBOURS

to eliminating any financial obstacle for communities to take over the facilities

- Demolishing of unsafe structures that pose a public safety threat

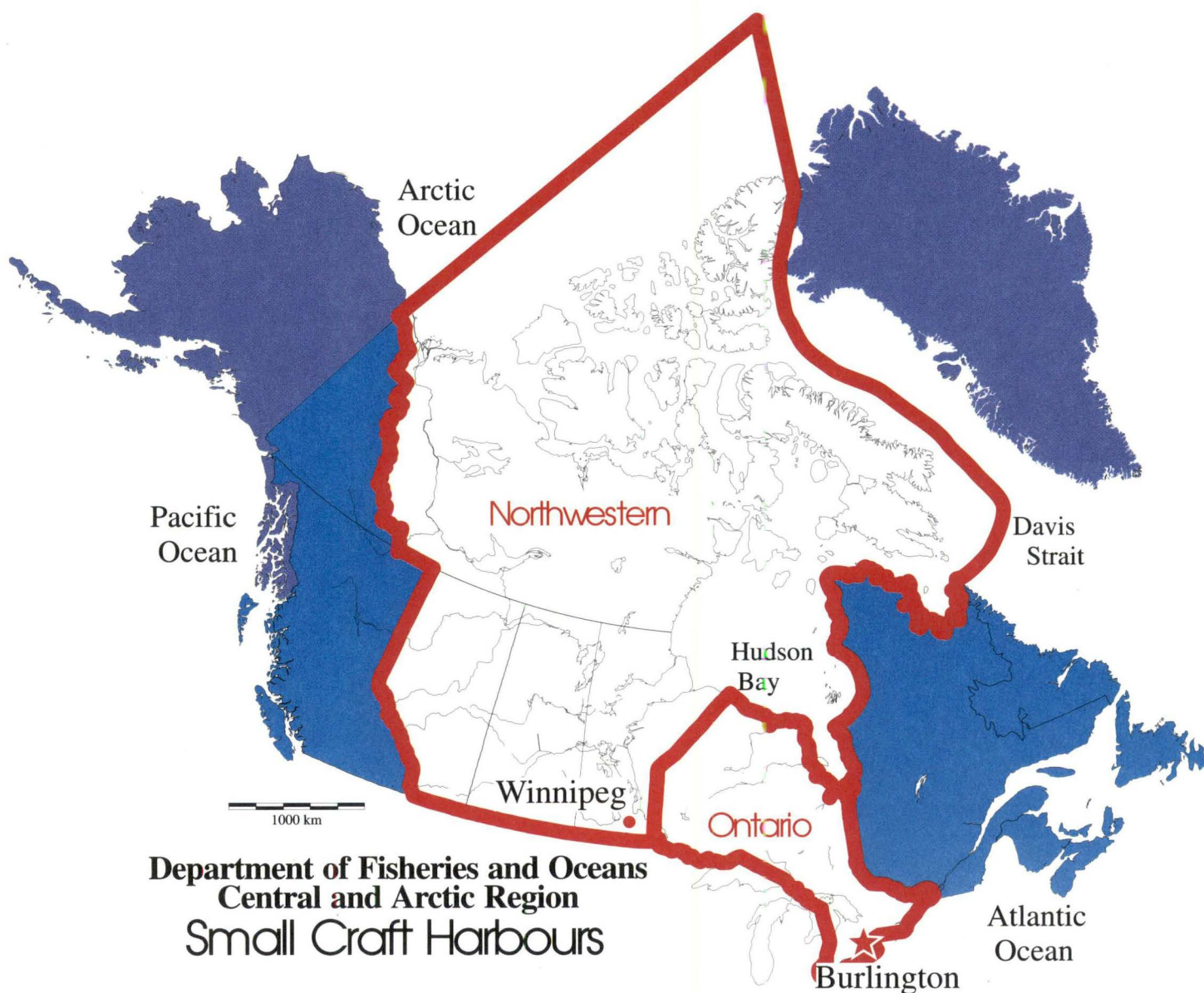
The Department's withdrawal from the recreational harbour business in Central and Arctic Region will necessitate the divestiture of approximately 443 harbours where recreational boating activity predominates. The divestiture process will necessitate extensive discussions/negotiations with a large number of municipalities and/or provincial ministries on a site-by-site basis to determine interest and terms of ownership transfer. Extensive public consultation will be necessary for those sites that are to be taken out of public service through market sale to the private sector or by barricading/

demolition. The process will also necessitate ongoing briefing sessions with the local M.P.s on a constituency wide and site-by-site basis.

The cornerstone of the rationalization of the commercial fishing harbour system will be the establishment of largely self-sustaining local Harbour Authorities controlled by local commercial fishing interests. For elements of the fishing fleet accommodated at joint-use primarily recreational harbours, their continued accommodation probably will form part of the divestiture agreement negotiated at the particular facility. At the end of the divestiture/rationalization process, only a small number of commercial fishing harbours, locally managed and controlled and largely self-sustaining, will remain in the system.

8.0 SMALL CRAFT HARBOURS

Small Craft Harbours Map 8.4





CORPORATE SERVICES

9.1 Overview

Corporate Services in the Region includes the following functions:

- Finance and Administration
- Human Resources
- Information Management/
Information Technology
- Library Services

As of December 1995, the Central and Arctic Region now has an integrated single organization for each of these functions. Before then, each of the three regions had its own organization for these functions.

The Finance and Administration Directorate provides financial and administrative support to regional programs and their clients. In the 1996/97 fiscal year, priority will be given to establishing the most effective and efficient combinations of service to clients.

The Human Resources Branch provides staffing, staff relations, classification, pay and benefits, employee assistance and

occupational health and safety services to about 1200 employees.

The Information Management / Information Technology Directorate delivers Informatics services to assist the programs in meeting their business needs. These services include information management, application services and technology services. The Directorate is moving to a role of comptrollership and advisory services.

The Eric Marshall Aquatic Research Library, located at the Freshwater Institute, provides library services to regional staff. Library services provided include: reference and information services; publication services (editing, production and distribution of departmental reports); and translation services. The main users of the library are staff in the Freshwater Institute but services are provided as required to staff located at other locations in the Region. Staff located in Burlington may use the DOE Canada Centre for Inland Waters library, for services other than the purchase of books and other library material.



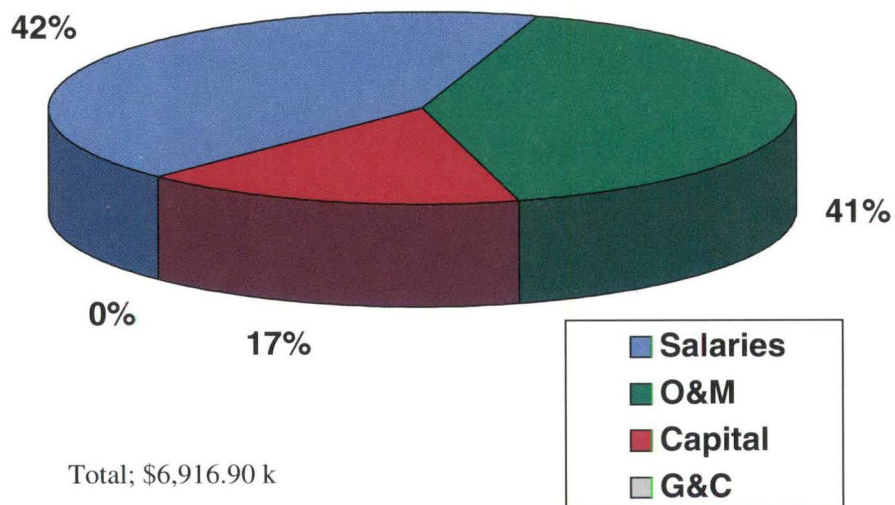
CORPORATE SERVICES

Resources **9.2**

Policy and Administration Regional Total

Budget Allocations by Activity

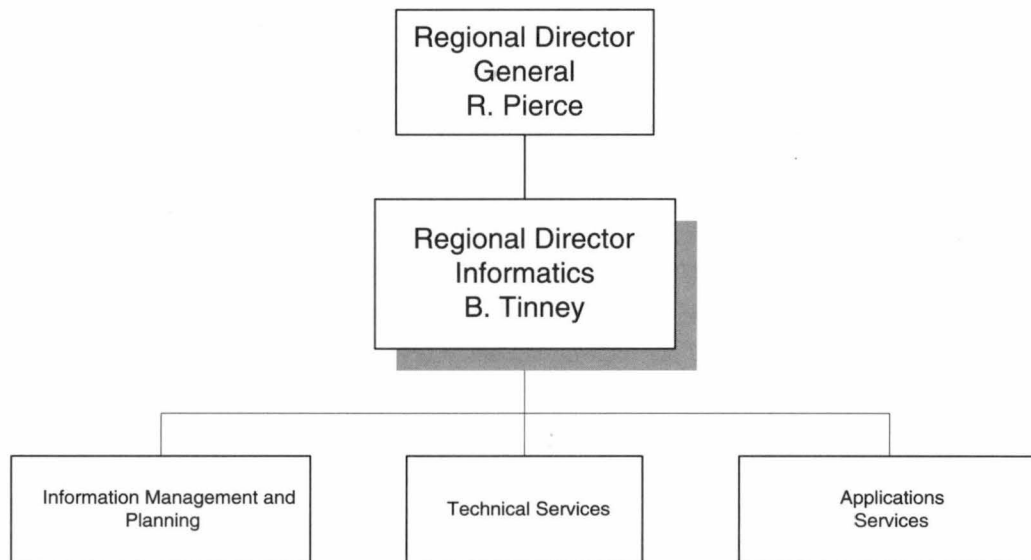
Includes; Director General's Office, Economics,
Communications, Personnel, Finance and Administration,
and Informatics





CORPORATE SERVICES

9.3 Organization



Corporate Services, Informatics Structure

September 1995

9.4 Corporate Services Programs

Finance and Administration

The purpose of the directorate is to provide financial and administrative support to regional programs and their clients. Functions provided include:

- Financial Services (Accounts Payable,

Accounts Receivable, Planning, Analysis & Review)

- Materiel Management (Procurement, Shipping/Receiving, Inventory Control, Crown Assets)



CORPORATE SERVICES

- Administrative Services (Central Registry, Security, Parking, Telephones)
- Burlington Management Services (Warehousing, Inventory, Procurement)
- Realty Support (Space Utilization, National Service Agreement - PWGSC, Cyclical Repairs)
- Facilities Maintenance (Negotiating and Administering funding for major facilities upgrading and maintenance projects)

Human Resources

The Human Resources (H.R.) Branch in Central and Arctic Region has 34 employees and is located at three major sites - Sarnia, Burlington and Winnipeg. There is also a Personnel presence in the Parry Sound and Prescott Bases.

The Branch provides H.R. services in the areas of staffing, staff relations, compensation, classification, training and workforce adjustment and employee assistance.

The above areas include the following:

- Staffing - Staff in this area are responsible for providing advice to managers on various competitive processes; preparing competition posters, and obtaining priority clearance numbers.
- Staff Relations - Staff relations staff provide advice to managers on grievances, and performance problems.
- The preparation of grievance step charts, excluded positions and designations (in conjunction with management).
- The Staff Relations Officer/Human Resources Officer interfaces regularly with union executives on staff relations matters.
- Classification - This area is responsible for the classification of positions, the creation of new positions, and the provision of advice on organizational design.
- Compensation - All pay, insurance, and pension transactions are performed in the Pay and Benefits unit. Queries from managers and employees are responded to by staff.
- Leave balances are also provided by compensation staff.
- Training and Development - Registration on courses, advice to managers on training matters, and negotiation with consultants is carried out by staff in the major sites. Staff also maintain an awareness of new developments in the training field.
- Workforce Adjustment - The government's announcement of workforce adjustment initiatives to assist departments in making their program review reductions has resulted in a different workload for H.R. Advisors. The H.R. Advisor in each major site is fully trained to respond to queries on the



CORPORATE SERVICES

various initiatives and to assist managers in dealing with workforce adjustment situations.

- Employee Assistance Program - Currently this service is provided in-house in what was the Central Region and by an outside provider in what was the Central and Arctic Region. In both instances professional advice is provided to those experiencing work related or personal problems. Effective April 1, 1996, the service will be provided solely by the outside provider.

Human Resources Centres are located in Burlington, Winnipeg and Sarnia. In Burlington and Winnipeg the Centres are located within the H.R. Directorate. In Sarnia the Centre is located opposite the reception desk on the first floor.

Centres are equipped with a computer and space for employees to review material or use computer programs. In addition, the Centres contain books and videotapes related to career transition matters

Effective April 1, 1995 the three major H.R. sites in the Region have offered various workshops to assist employees through the affects of Program Review and other reduction initiatives. The following workshops have been offered and are available:

- How to start a small business
- Financial Planning

- Presentations on the new initiatives (i.e. ERI, EDI)

- Pre-retirement planning

- Managing change and transition for managers and employees

Informatics

The function of the Informatics Directorate is to provide information processing services to regional programs and their clients. This includes the following:

- Computing Services (Main Frame Computer - Centralized computing cycles)
- Local Area Network Services (Shared files, Electronic mail, Directory Services,)
- Application Services (Selection, procurement, installation, support), common (infrastructure) and program specific
- Information Management (advice on database projects, national information management projects)
- Help Desk Services (personal computer installation, end-user support)
- Treasury Board conformance (Security, Investment management/control, Plans and Reports)
- Leadership (Standards, Advice, National participation)



CORPORATE SERVICES

Issues Update **9.5**

Finance and Administration

The Finance and Administration Directorate combines the former Directorate of Management Services and the Regional Comptroller Operations. As the Corporate Services and regional redesigns continue, Finance and Administration will proceed with the implementation of various initiatives which will shift its emphasis to providing managers with the systems and information that they require to truly manage their own resources. This will be supplemented by an increased emphasis on providing a high level of advice to managers.

Human Resources

In fiscal year 1996/97, the Human Resources Branch will commence implementation of the Corporate Services Model. The requirement to reduce staff, introduce the generalist concept, and make decisions related to the provision of service to the client will all pose challenges for the Branch. The geographical dispersion of the region will complicate matters associated with those issues. It will be necessary to address major training requirements and cost implications linked to the introduction of the generalist concept. The additional challenge for the Branch will be the need to deal with the implementation of the Corporate Services Model while at the same time providing leadership, advice and guidance to managers in the management of the people issues related to staff reductions.

Informatics

The vision of the future DFO includes a single integrated computer network, a single network operating system, a common desktop and e-mail system. With the addition of proper remote workstation management software services, adequate support to the clients will be possible.

The Corporate Service Redesign report provides a framework for delivering Informatics services that will change the focus from control and program development to comptrollership and advisory. The delivery of infrastructure services (LAN, E-mail, WAN, etc.) will continue, but it is proposed that these services be outsourced. The management of the WAN is already outsourced. It is proposed that the two separate WANs be integrated.

The new changes in Corporate Services include the requirement for major new Informatics initiatives to meet the resource reduction targets. The success of these systems will in part be due to the implementation and support of the systems in the region. This new support requirement has not come with additional resources in IM/IT. In fact, the end-user support ratio in the region is about one-half of the department standard of 100:1.



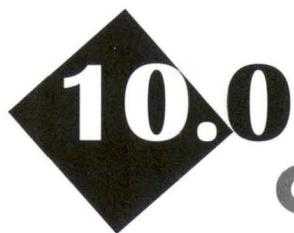
COMMUNICATIONS

10.1 Overview

Communications functions include both internal and public affairs activities. Internal functions include newsletters, all staff memos, meetings and speakers, client consultation committees, and partnerships communications initiatives. Public affairs activities include public inquiries, media relations, policies include public inquiries, media relations, policy, advice and analysis of issues, briefing notes, communications plans, press releases, training and advising of spokespersons, speech preparation, emergency response, displays, exhibits, special events, pamphlets, brochures, videos, promotional items as well as official languages and access to information.

Communications functions in the DFO, both internal and public affairs for all sectors, used to be under the direction of the Regional Director of Communications. Individual sectors carried out client specific communications on an issue by issue basis under the functional direction of the RD of Communications.

Internal communication services and specific client communications in the Coast Guard used to be carried out within the CG program while Transport Canada provided public affairs and other general communication services.



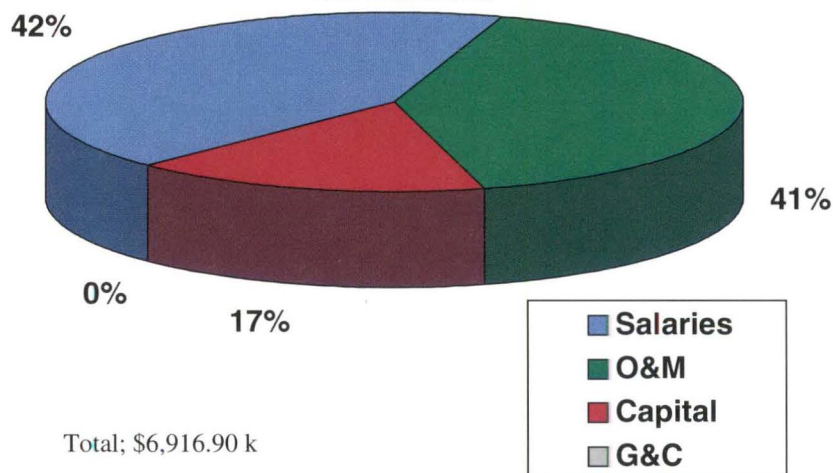
COMMUNICATIONS

Resources **10.2**

Policy and Administration Regional Total

Budget Allocations by Activity

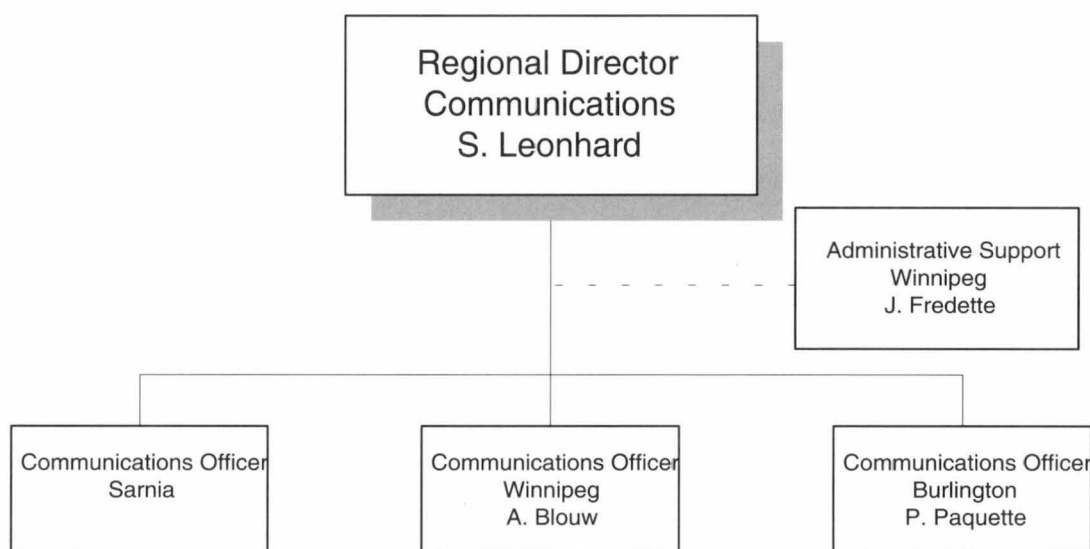
Includes; Director General's Office, Economics,
Communications, Personnel, Finance and Administration,
and Informatics





COMMUNICATIONS

10.3 Organization



Communications Structure

Proposed February 1996

10.4 Communications Programs

Communications reacts to activities from policy and program branch and co-operates on major files with all regional directorates to provide a priority service in strategic advice and planning, issue and crisis management and media relations support by way of press

releases and backgrounders, speeches and spokespersons training and coaching. Value added support to projects is given and products include publications, audio-visual and multi-media presentations, exhibits and advertising.



FACILITIES

Head Offices **11.1**

Winnipeg

The Freshwater Institute (FWI) is one of the world's leading research centres for freshwater fisheries research. The FWI provides facilities for fisheries and environmental research as well as for non-research activities of the Region such as fisheries inspection, fisheries management, economic analysis and administration. It is the major federal government centre for freshwater and Arctic fisheries research. The FWI houses all Winnipeg based operations of the Department including the Regional Director General's office, Science, Fisheries Management, Inspection and Corporate Services.

Burlington

The majority of DFO activities in Burlington, including Science, Ships and Corporate Services, are housed at the Canada Centre for Inland Waters (CCIW). The CCIW is one of the world's leading centres for water research. The organizations within the Centre are concerned with environmental research and development, as well as monitoring, resource management, charting, and coastal and harbour engineering.

CCIW is also the base for the Vessel Program of the "old" DFO. The Ship Division provides specially equipped ship and launch support to the research and survey programs carried out by both Environment Canada and Fisheries and Oceans from CCIW. Support is also provided to other government agencies and universities. The Division operates three

major ships, 45 large launches and 52 smaller boats. Repair and maintenance are carried out in a marine workshop located at the Centre.

Ottawa

Coast Guard Northern is currently located in downtown Ottawa. The remaining CG Northern staff are based in Hay River at the Base Administration Building. Marine Communications and Traffic Services Centres house seasonal staff in Inuvik, Iqaluit and Resolute Bay.

Sarnia

CCG Sarnia is the regional office for Coast Guard in Central and Arctic Region, as well as the location for the Operations Center, Marine Communications and Traffic Services, and an Equipment and Systems Maintenance workshop as well as an Engineering and Informatics Construction and Installation facility. The Regional office comprises the Regional Director of Coast Guard's office, along with the Directorates of Operational Programs, Technical Services, and Management Services. (Also at the same location are offices of Transport Canada, Harbours and Ports and Ship Safety Directorates.) The Operations Center maintains responsibility for the tasking of 16 vessels (including SAR vessels) and three helicopters throughout the Region including response to unplanned events, incidents and crises. Another major task is the completion of the operation plan which is done on an



FACILITIES

annual basis. The MCTS Center is co-located with the Operations Center and provides vessel traffic services in accordance with the Detroit/St. Clair River Navigation Safety

regulations monitoring the movement of shipping over the 90 mile waterway joining Lake Erie and Lake Huron. The Engineering and Informatics Construction and Installation facility is housed in a separate location.

11.2 Canadian Coast Guard Bases

Prescott

The Prescott Base is a multi-use facility strategically located on the St. Lawrence River, whose area of operations extends from Beauharnois near Montreal to Grand Bend on Lake Huron. Aside from this responsibility on the St. Lawrence Seaway and waters of Canadian interest, there is also responsibility for Navigation aids on sections of the Ottawa River and audits of the nav aids for Heritage Canada on the Trent-Severn and Rideau systems. NWPA (Navigable Waters Protection Act) services are also administered from Prescott and cover a substantial inland area of South Eastern Ontario.

Activities at Prescott Base include Ships Husbandry and support for the *Simcoe* and *Griffon* as well as seven dedicated Search and Rescue vessels and one helicopter for which Prescott is their Home Port. The production and maintenance of nav aids and marine specialty items, Telecommunications maintenance, pollution response and maintenance, the Navigation Aids Test Center, the Marine Communications and Traffic Services Center as well as material management, warehousing, and a vehicle fleet to support all activities.

Parry Sound

Parry Sound base directly services Lake Huron, Georgian Bay, St. Mary's River, Eastern Lake Superior, and minor waters such as Muskoka Lakes. Programs include Aids to Navigation, Rescue and Environmental Response, Radio Operations and NWPA inspections. Base support is provided to CG Fleet (*Cove Isle* based at Parry Sound), IRB program, and other smaller bases (shop, transportation, and stores depot) located at Thunder Bay, Kenora, and Selkirk. Two helicopters also work out of Parry Sound.

Thunder Bay

Thunder Bay directly services Western Lake Superior and Lake Nipigon. Programs includes Aids to Navigation, Rescue and Environmental Response, NWPA Inspections. Base support is provided to CG Fleet (*Samuel Risley* and *Westfort* based at Thunder Bay). A radio station and a maintenance shop are located out of Thunder Bay.



FACILITIES

Kenora

Kenora directly services Lake of the Woods, Winnipeg River System, Rainy Lake/River system, Lac Seul, Red Lake and Lakes Wabigoon/Dinorwic. Programs include Aids to Navigation, Rescue and Environmental Response, and NWPA inspections. Tug *Aulneau* and Barge *Rat Portage* are based at Kenora.

Selkirk

Selkirk directly services Lake Winnipeg, Red River, Lake Winnipegosis, Port of Churchill and the West side of Hudson Bay. Programs include Aids to Navigation, Rescue and Environmental Response, NWPA inspections and monitoring dredging. Base support is provided to CG Fleet (*Namao* based at Selkirk) and SAR support (*Namao* and *Avocet*).

Amherstburg

Amherstburg Base is strategically located near the Detroit River entrance to Lake Erie. The *Gull Isle* (a 600 class vessel) and the dedicated SAR vessel *Sora* operate from this base as do other regional resources when they are in the area. This small outpost provides ship support, navigational aids maintenance and warehousing for an operational area roughly extending from Rondeau to Sarnia. Due to the small amount of resources in Amherstburg, support from Prescott Base is often required.

Hay River

The Base is a technical support base for ships, MCTS installation, nav aids and RER. Offices are provided for Ship Safety staff as well as the Superintendent of Vessels during pre-seasonal refit and winterizing of ships.

Other Facilities **11.3**

Inuvik

Inuvik is the headquarters for the Western and Central Arctic Area of Fisheries Management. Fisheries Management and Science activities in Inuvik began to expand with the signing of the Inuvialuit Final Agreement. A CCG MCTS Centre is also located in Inuvik.

Iqaluit

Iqaluit is the headquarters for the Nunavut Area of Fisheries Management. Fisheries Management and Science activities in Iqaluit have expanded considerably in recent years

with the signing of the Nunavut Final Agreement. CCG also has a MCTS Centre located in Iqaluit.

Sault Ste. Marie

The Sea Lamprey Control Centre in Sault Ste. Marie consists of a combined office, lab, warehouse, maintenance and chemical storage facility. Also in Sault Ste. Marie, CCG operates a MCTS centre and an Equipment and Systems Maintenance Workshop.



CENTRAL & ARCTIC FLEET

12.1 Canadian Coast Guard Dedicated Vessels

CCGC AVOCET

Vessel Description:	Class 100 Search & Rescue
Operating Area:	Lake Winnipeg
Base of Operation:	Selkirk, Manitoba
Breadth:	3.66 metres
Length:	1.3 metres
Draft:	.735 metres
Maximum Speed:	17 knots
Cruising Speed:	15 knots
Fuel Capacity:	1.12 cubic metres
Full load displacement:	13.26 tonnes
Power:	440 kilowatts
Crew:	4

CCGC BITTERN

Vessel Description:	Class 100B Search & Rescue
Operating Area:	Lake Ontario
Base of Operation:	Kingston, Ontario
Breadth:	4.3 metres
Length:	12.5 metres
Draft:	1.2 metres
Maximum speed:	26 knots
Cruising speed:	22 knots
Fuel capacity:	486 gallons
Range:	300 nautical miles
Full load displacement:	13.5 tonnes
Power:	467 kilowatts
Crew:	4

CCGC CGR 100

Vessel Description:	Class 300 Search & Rescue
Operating Area:	Lake Ontario
Base of Operation:	Port Weller
Breadth:	4.87 metres
Length:	14 metres
Draft:	1 metre
Maximum speed:	26 knots
Cruising speed:	24 knots
Full load displacement:	21.45 tonnes
Power:	550 kilowatts
Crew:	4
Propulsion:	Twin Parker PP140 Jets

CCGC CAPE HURD

Vessel Description:	Class 400 Search & Rescue
Operating Area:	Lake Huron
Base of Operation:	Goderich, Ontario
Breadth:	5.52 metres
Length:	20.18 metres
Draft:	2.07 metres
Maximum speed:	18 knots
Cruising speed:	16 knots
Full load displacement:	55 tonnes
Power:	1250 kilowatts
Crew:	5



CENTRAL & ARCTIC FLEET

CCGS CARIBOU ISLE

Vessel Description: Type 800 navaid
tender

Operating Area: Eastern L.
Superior/St.
Mary's River/
Northern
L. Huron/North
Channel

Base of Operation: Sault Ste. Marie

Breadth: 6 metres

Length: 23 metres

Draft: 1.35 metres

Maximum speed: 11 knots

Cruising Speed: 10 knots

Fuel Capacity: 24.5 cubic metres

Full load displacement: 115 tonnes

Range: 2000 nautical miles

Power: 382 kilowatts

Crew: 5

CCGS COVE ISLE

Vessel Description: Type 800 navaid
tender

Operating Area: Georgian Bay

Base of Operation: Parry Sound,
Ontario

Breadth: 6 metres

Length: 19 metres

Draft: 2.4 metres

Maximum speed: 11 knots

Cruising speed: 10 knots

Fuel capacity: 22.9 cubic metres

Range: 2000 nautical miles

Full load displacement: 76 tonnes

Power: 380 kilowatts

Crew: 5

CCGS GRIFFON

Vessel Description: 1100 Major navaid
Tender/ Light
Icebreaker

Operating Area: Upper St.
Lawrence River/
Western Lake
Ontario/Entrances
to Welland Canal/
Eastern Lake
Erie

Base of Operation: Prescott, Ontario

Breadth: 14.9 metres

Length: 71.3 metres

Draft: 4.7 metres

Maximum speed: 13.5 knots

Cruising speed: 11 knots

Fuel capacity: 345 tonnes

Range: 5500 nautical miles

Full load displacement: 2959 tonnes

Power: 3980 kilowatts

Crew: 25

CCGS GULL ISLE

Vessel Description: Type 800 navaid
tender

Operating Area: St. Clair River

Base of Operation: Amherstburg,
Ontario

Breadth: 6 metres

Length: 19 metres



CENTRAL & ARCTIC FLEET

Draft:	2.4 metres
Maximum speed:	11 knots
Cruising speed:	10 knots
Fuel capacity:	22.9 tonnes
Range:	2000 nautical miles
Full load displacement:	76 tonnes
Power:	380 kilowatts
Crew:	5

CCGS NAMAQ

Vessel Description:	900 Small Navaid Tender
Operating Area:	Lake Winnipeg
Base of Operation:	Selkirk, Manitoba
Breadth:	8.6 metres
Length:	31.5 metres
Draft:	3.7 metres
Maximum speed :	13 knots
Cruising speed :	11 knots
Fuel capacity:	48.41 tonnes
Range:	3000 nautical miles
Full load displacement:	318 tonnes
Power:	1030 kilowatts
Crew:	11

CCGS SAMUEL RISLEY

Vessel Description:	1050 Medium Navaid Tender
Operating Area:	Great Lakes
Base of Operation:	Thunder Bay, Ontario
Breadth:	13.7 metres
Length:	69.7 metres
Draft:	5.2 metres
Maximum speed:	15 knots

Cruising speed:	13 knots
Fuel capacity:	822 cubic metres
Range:	10,000 nautical miles
Full load displacement:	2935 tonnes
Power:	6595 kilowatts
Crew:	22

CCGS SIMCOE

Vessel Description:	1000 Medium Navaid Tender Ice strengthened
Operating Area:	Upper St. Lawrence/Eastern Lake Ontario
Base of Operation:	Prescott, Ontario
Breadth:	11.6 metres
Length:	54.6 metres
Draft:	3.8 metres
Maximum speed:	13 knots
Cruising speed:	10 knots
Fuel capacity:	156 tonnes
Range:	5000 nautical miles
Full load displacement:	1392 tonnes
Power:	1492 kilowatts
Crew:	23

CCGC SORA

Vessel Description:	100 Search and Rescue
Operating Area:	Lake Erie
Base of Operation:	Amherstburg
Breadth:	4.3 metres
Length:	12.5 metres

12.0

CENTRAL & ARCTIC FLEET

Draft: 1.2 metres
 Maximum speed: 26 knots
 Cruising speed: 22 knots
 Fuel capacity: 486 gallons
 Range: 300 nautical miles
 Full load displacement: 13.5 tonnes
 Power: 467 kilowatts
 Crew: 4

THE ARUNS: SPINDRIFT/SPRAY/SPUME

SPINDRIFT

Vessel Description: 310 Search & Rescue
 Operating Area: Georgian Bay
 Base of Operation: Meaford, Ontario

SPRAY

Vessel Description: 310 Search & Rescue
 Operating Area: Lake Erie
 Base of Operation: Port Dover, Ontario

SPUME

Vessel Description: 310 Search & Rescue
 Operating Area: Lake Ontario
 Base of Operation: Cobourg, Ontario

Vessel Particulars for all ARUNS

Breadth: 5.18 metres
 Length: 15.77 metres
 Draft: 1.25 metres
 Maximum Speed: 18.2 knots
 Cruising Speed: 16 knots
 Fuel capacity: 1.225 tonnes

Full load displacement: 27.5 tonnes
 Power: 790 kilowatts
 Crew: 5

CCGC TOBERMORY

Vessel Description: Class 300 Search & Rescue
 Operating Area: Lake Huron
 Base of Operation: Tobermory, Ontario
 Breadth: 4 metres
 Length: 13.4 metres
 Draft: 0.99 metres
 Maximum speed: 11 knots
 Cruising speed: 9 knots
 Fuel capacity: 1.1 tonnes
 Full load displacement: 16 tonnes
 Power: 340 kilowatts
 Crew: 4

CCGC WESTFORT

Vessel Description: Class 300 Search & Rescue
 Operating Area: Lake Superior
 Base of Operation: Thunder Bay, Ontario
 Breadth: 4 metres
 Length: 13.4 metres
 Draft: 1 metre
 Maximum speed: 11 knots
 Cruising speed: 9 knots
 Fuel capacity: 1.1 tonnes
 Full load displacement: 16 tonnes
 Power: 340 kilowatts
 Crew: 4



CENTRAL & ARCTIC FLEET

THE MISKINAW

Vessel Description: Shallow draft buoy tender
 Operating Area: Athabaska/Slave River to Fort Fitzgerald
 Base of Operation: Hay River
 Crew: 8

THE DUMIT

Vessel Description: Shallow draft buoy tender
 Operating Area: Great Slave Lake-MacKenzie River *
 Base of Operation: Hay River

THE ECKALOO

Vessel Description: Shallow draft buoy tender
 Operating Area: Great Slave Lake-MacKenzie River *
 Base of Operation: Hay River

THE TEMBAH

Vessel Description: Shallow draft buoy tender
 Operating Area: Great Slave Lake-MacKenzie River *

Base of Operation: Hay River

** The Great Slave-MacKenzie River portion of the waterway is divided into three sections: Fort Fitzgerald to Wrigley, Wrigley to Norman Wells, and Norman Wells to the Delta and Tuktoyaktuk. Tembah, Eckaloo and Dumit each spend two summers in one area and then are rotated. They are responsible for almost 2,000 nav aids: placing and replacing buoys, locating and marking new channels, moving and servicing shore aids. They are also involved in a small, but growing, number of search and rescue operations.*

THE NAHIDIK

Vessel Description: Shallow draft buoy tender
 Operating Area: Western Arctic Coast from Demarcation Point on the US-Canada boundary, east to the Boothia Peninsula
 Base of Operation: Hay River
 Crew: 15

12.0 CENTRAL & ARCTIC FLEET

General Purpose Scientific Vessels 12.2

CSS ADVENT

The ADVENT is able to support, to varying degrees, most of the research programs carried out at the Canada Centre for Inland Waters, especially any shallow water work.

Base:	Cobourg, Ontario
Breadth:	5.6 metres
Length:	23.5 metres
Draft:	1.6 metres
Speed:	15.5 metres
Range:	450 nautical miles
Crew:	4

CSS LOUIS M. LAUZIER

The LOUIS M. LAUZIER was originally built as a fast Fisheries Patrol Vessel and has since been modified to become a general purpose scientific vessel. The ship is well suited for horizontal net hauls or trawling as it is now capable of very low speeds for prolonged periods.

Base:	Burlington, Ontario
Breadth:	8.23 metres
Length:	39.69 metres
Draft:	2.6 metres
Speed:	12 knots
Range:	3,000 nautical miles
Crew:	14

CSS LIMNOS

The LIMNOS was built for use in the Great Lakes. Heavy equipment, such as winches,

can be bolted on the working deck to suit operational needs.

Base:	Burlington, Ontario
Breadth:	9.75 metres
Length:	44.81 metres
Draft:	2.6 metres
Speed:	10 knots
Range:	3,500 nautical miles
Displacement:	615 tonnes
Crew:	16

SHARK

The SHARK is suited for offshore sampling.

Base:	Burlington, Ontario
Breadth:	4.5 metres
Length:	16 metres
Draft:	1.2 metres
Speed:	12 knots
Range:	200 nautical miles
Fuel Capacity:	3,636 litres

OGAC

The OCAG is suited for offshore sampling.

Base:	Nanasivi, N.W.T. (for the present)
Breadth:	4.6 metres
Length:	13.7 metres
Draft:	1.9 metres
Speed:	9.5 knots
Range:	1,500 nautical miles
Fuel Capacity:	7,728 litres



DESIGNATED SPOKESPERSONS

DIRECTORATE	SPOKESPERSON	WORKSITE	TELEPHONE
Regional Director General	Ray Pierce	Winnipeg Sarnia	(204)-983-5117 (519)-383-1825
Communications	Sharon Leonhard	Winnipeg	(204)-983-5108
Merger & Program Review	Burton Ayles	Winnipeg	(204)-983-5269
Fisheries Management	Redmond Clarke	Winnipeg	(204)-983-5271
Nunavut Area	Gary Weber	Iqaluit	(819)-979-6274
NWT West Area	Ron Allen	Inuvik	(403)-979-3314
Ontario Area	Vic Gillman	Burlington	(905)-336-4567
Science	John Cooley	Winnipeg Burlington	(204)-983-2420 (905)-336-4568
Hydrography	Earl Brown	Burlington	(905)-336-4811
Small Craft Harbours	Duane Blanchard	Burlington	(905)-639-4330
Inspection	Stan Schick	Winnipeg	(204)-983-5063
Personnel	Barbara Colley	Sarnia	(519)-383-1898
Finance & Administration	Anjana Kaushal	Winnipeg	(204)-983-5267
Coast Guard	Jim Quinn	Sarnia	(519)-383-1800
Arctic Issues	Ian Marr	Ottawa	(613)-998-6569
Coast Guard Operations Centre		Sarnia	(519)-383-1806 (519)-383-1824
	(Press Line)	Trenton	(613)-392-8854



DESIGNATED SPOKESPERSONS

ISSUE	SPOKESPERSON	WORKSITE	TELEPHONE
Live Capture - Whales	Robert Moshenko	Winnipeg	(204)-983-5160
Marine Mammals (English)	Robert Moshenko	Winnipeg	(204)-983-5160
Marine Mammals (French)	Pierre Richard	Winnipeg	(204)-983-5130
Ocean's Act	Redmond Clarke	Winnipeg	(204)-983-5271
Sea Lamprey Control	Vic Gillman	Burlington	(905)-336-4567



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AREA CODE 204

..Accident/Injury Reports

Bert Beal.....983-7417

.. Accounts Payables

Pat Mohan.....983-7445

.. Boardroom Bookings

Judy Fredette983-5118

.. Building Cleaning

PWGSC983-5021

.. Building Passes

Doris Bristow983-5292

.. Cafeteria

.....275-2595

.. Commissionaire Service

08:15 - 16:15983-5292

After hours983-5105

.. Communications/Publications/Press Clips

Sharon Leonhard983-5108

Andries Blouw.....983-5051

.. Employee Assistance Program

Jane Markesteyn.....947-2128

.. Finance - Operations Manager

Pat Mohan.....983-7445

.. Finance - Planning

Brian Johnston983-5296

.. Firearms Safety

Bert Beal983-7417

.. First Aid Room - Key

Bert Beal.....983-7417

.. First Aid Training

Bert Beal983-7417

.. Hazardous Waste Disposal

Bert Beal983-7417

.. Human Resources

Julie Stossel983-5042

.. Identification Cards

Doris Bristow983-5292

.. Informatics

Technical Infrastructure

Murray Lindeblom983-5093

User Support

Bob Jestadt983-5119

Ron Lypka983-5121

.. Keys/Locks

PWGSC983-0951

.. Library

Mary Layton983-5170

.. Lost And Found

Jackie Timmerman983-5000

.. Mail Room

Shirley Mann983-5031

.. Media (Press, Radio, T.V.)

Sharon Leonhard.....983-5108

Andries Blouw.....983-5051



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.. Parking

Jackie Timmerman 983-5000

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Petra Samec 983-5047

Leo Yana 983-5049

.. Purchasing

André Bélanger 983-5027

Randy Tremblay 983-5278

.. Realty Services

Marshall Blais 983-0951

.. Receptionist

Jackie Timmerman 983-5000

.. Records Management

Doris Bristow 983-5292

.. Safety & Health

Bert Beal 983-7417

.. SAS Co-ordinator

Donna-May Glowacki 984-7146

.. Security

Doris Bristow 983-5292

.. Seminar Room Bookings

Judy Fredette 983-5118

.. Shipping & Receiving - Loading Dock

Randy Olson 983-5104

.. Staffing

Judy Freeman 983-5043

.. Stores

Len Andrusiak 984-3395

.. Telecommunications

Voice - Doris Bristow 983-5292

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Doris Bristow 983-5292

.. Telephone Service

Doris Bristow 983-5292

.. Training

Judy Freeman 983-5043

.. Transportation of Dangerous Goods

Bert Beal 983-7417

.. Travellers Cheques

Diane D'aqui 983-5703

.. Unsafe Condition Report

Bert Beal 983-7417

.. Vehicle Accident Reports

Doris Bristow 983-5292

.. Vehicle Reports

Len Andrusiak 983-4894

.. WHMIS

Bert Beal 983-7417

.. Workers Compensation

Bert Beal 983-7417



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14.2 Burlington

AREA CODE 905

.. Accounts

..... 336-4820
 336-4821
 336-4674

.. Acid Rain Queries

Freda Crisp 336-4734

.. Cafeteria

..... 632-1667

.. Chart Dealers

Don Robertson 336-4731

.. Commissionaires

..... 336-4999

.. EMERGENCY

..... 336-4555
 9-911

.. FAX

..... 336-4819

.. Fax Operator

..... 336-4697

.. Fish Queries - Ministry of Natural Resources - Hamilton

..... 526-8565

.. General Inquiries (MNR - Toronto)

..... 1-416-314-2000

.. GLLFAS

Tracy Edwards 336-4513

.. Health Nurse

..... 336-4977

.. Heating/Cooling Problems

..... 336-4500
 336-4700

.. Library

..... 336-4982

.. Materiel Management

..... 336-4816

.. Media (Press, Radio, T.V.)

..... 336-6240

.. Oil Spills in Hamilton Harbour

.. Hamilton Harbour Commission

..... 525-4330

.. Oil Spills in Lake Ontario

Bruce Jank 336-4559

.. Pay Inquiries

..... 336-4751

.. Queries regarding Mussels

Ron Dermott 336-4868
 Vic Cairns 336-4862

.. Shipping/Receiving

..... 336-4739
 336-4993

.. Small Craft Harbours

Linda Mortimer 639-4844

.. Water Testing

..... 639-4590

.. Zebra Mussels Policies

John Cooley 336-4568



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 Supervisor, Response John Goodman 519-383-1954
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 Supt, MCTS Laurie Lachapelle 519-383-1937

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 A/Superintendent, Facilities Services Mairin Ring 519-383-1869
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 Supt, Equipment and Systems Maintenance Dave Druhan 519-383-1920

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Gen. Chem. Lab	Extension 250
Sensory Prep Lab #1	Extension 251
Sensory Prep Lab #2	Extension 252
Fish Health Lab	Extension 253
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Fisheries and Oceans
Central and Arctic Region
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