September 5, 2017

Dear Applicant:

Re: Your request for access to information under Part II of the Access to Information and Protection of Privacy Act FA/40/2017

On August 7, 2017, The Department of Fisheries and Land Resources (FLR) received your request for access to the following records:

“A copy of all briefing materials provided to the new minister”

I am pleased to inform you that a decision has been made by the Deputy Minister of FLR to provide full access to the requested information.

Please be advised that you may appeal this decision and ask the Information and Privacy Commissioner to review the decision to provide partial access to the requested information, as set out in section 42 of the Act (a copy of this section of the Act has been enclosed for your reference). A request to the Commissioner must be made in writing within 15 business days of the date of this letter or within a longer period that may be allowed by the Commissioner. Your appeal should identify your concerns with the request and why you are submitting the appeal.

The appeal may be addressed to the Information and Privacy Commissioner is as follows:

Office of the Information and Privacy Commissioner
2 Canada Drive
P.O. Box 13004, Stn. A
St. John’s, NL, A1B 3V8

Telephone: (709) 729-6309
Toll-Free: 1-877-729-6309
Facsimile: (709) 729-6500

You may also appeal directly to the Supreme Court Trial Division within 15 business days after you receive the decision of the public body, pursuant to section 52 of the Act (a copy of this section of the Act has been enclosed for your reference).

Please be advised that responsive records will be published following a 72 hour period after the response is sent electronically to you or five business days in the case where records are mailed to you. It is the goal to have the responsive records posted to the Office of Public Engagement’s website within one
business day following the applicable period of time. Please note that requests for personal information will not be posted online.

If you have any further questions, please contact me by telephone at 709-729-3730 or by email at hollyphilpott@gov.nl.ca

Sincerely,

[Signature]

Holly Philpott
ATIPP Coordinator

Enclosures;

Access or correction complaint

42. (1) A person who makes a request under this Act for access to a record or for correction of personal information may file a complaint with the commissioner respecting a decision, act or failure to act of the head of the public body that relates to the request.

(2) A complaint under subsection (1) shall be filed in writing not later than 15 business days

(a) after the applicant is notified of the decision of the head of the public body, or the date of the act or failure to act; or

(b) after the date the head of the public body is considered to have refused the request under subsection 16 (2).

(3) A third party informed under section 19 of a decision of the head of a public body to grant access to a record or part of a record in response to a request may file a complaint with the commissioner respecting that decision.

(4) A complaint under subsection (3) shall be filed in writing not later than 15 business days after the third party is informed of the decision of the head of the public body.

(5) The commissioner may allow a longer time period for the filing of a complaint under this section.

(6) A person or third party who has appealed directly to the Trial Division under subsection 52 (1) or 53 (1) shall not file a complaint with the commissioner.

(7) The commissioner shall refuse to investigate a complaint where an appeal has been commenced in the Trial Division.

(8) A complaint shall not be filed under this section with respect to

(a) a request that is disregarded under section 21;

(b) a decision respecting an extension of time under section 23;
(c) a variation of a procedure under section 24; or

(d) an estimate of costs or a decision not to waive a cost under section 26.

(9) The commissioner shall provide a copy of the complaint to the head of the public body concerned.

Direct appeal to Trial Division by an applicant

52. (1) Where an applicant has made a request to a public body for access to a record or correction of personal information and has not filed a complaint with the commissioner under section 42, the applicant may appeal the decision, act or failure to act of the head of the public body that relates to the request directly to the Trial Division.

(2) An appeal shall be commenced under subsection (1) not later than 15 business days

(a) after the applicant is notified of the decision of the head of the public body, or the date of the act or failure to act; or

(b) after the date the head of the public body is considered to have refused the request under subsection 16 (2).

(3) Where an applicant has filed a complaint with the commissioner under section 42 and the commissioner has refused to investigate the complaint, the applicant may commence an appeal in the Trial Division of the decision, act or failure to act of the head of the public body that relates to the request for access to a record or for correction of personal information.

(4) An appeal shall be commenced under subsection (3) not later than 15 business days after the applicant is notified of the commissioner’s refusal under subsection 45 (2).
# Table of Contents

<table>
<thead>
<tr>
<th>Document</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Departmental Overview</td>
<td>1</td>
</tr>
<tr>
<td>Quick Facts</td>
<td>2</td>
</tr>
<tr>
<td>Branch Overviews</td>
<td>3</td>
</tr>
<tr>
<td>• Finance</td>
<td></td>
</tr>
<tr>
<td>• Enforcement and Resource Services</td>
<td></td>
</tr>
<tr>
<td>• Forestry and Wildlife</td>
<td></td>
</tr>
<tr>
<td>• Agriculture and Lands</td>
<td></td>
</tr>
<tr>
<td>• Fisheries and Aquaculture</td>
<td></td>
</tr>
<tr>
<td>The Way Forward</td>
<td>4</td>
</tr>
<tr>
<td>FLR Strategic Plan 2017-20</td>
<td>5</td>
</tr>
</tbody>
</table>
Purpose of Presentation

To provide an overview of where the parts came from to create the new Department of Fisheries and Land Resources
Departmental Restructuring

Four Branches:

• Fisheries and Aquaculture
• Agriculture and Lands
• Forestry and Wildlife
• Enforcement and Resource Services
Fisheries and Aquaculture Branch

Fisheries Divisions retained:

a. Licensing, Inspection and Quality Assurance
b. Resource Policy and Development (renamed Sustainable Fisheries and Oceans)
c. Resource Marketing and Support Services (renamed Seafood Marketing and Development)

Changes:

a. Policy and Strategic Planning Division – moved to Enforcement and Resource Services Branch – including policy staff from various other branches and division
b. Regional Operations – consolidated 3 divisions into Licensing, Inspection and Quality Assurance
c. Resource development division combined with resource marketing division
Fisheries and Aquaculture Branch

Aquaculture Divisions Retained:

a. Aquatic Animal Health
b. Aquaculture Development

Changes: None
Agriculture and Lands Branch

Agriculture Divisions Retained:

a. Animal Health - Provincial Veterinarian

b. Production and Market Development Planning

c. Agricultural Business Development

Changes:

a. Land Stewardship Division in Agriculture combined with Land Management Division in Crown Lands (movement of staff from Municipal Affairs) to new Land Management Division in CB.

b. Parks and Natural Areas Division in the Parks and Wildlife Branch, Department of Environment and Climate Change was split – Parks administration moved to TCII; Natural Areas moved to FLR. Natural areas reports to Land Management Division
Agriculture and Lands Branch

Crown Lands Divisions retained:

a. Crown Lands – regional offices – St. John’s, Clarenville, Gander, Grand Falls, Corner Brook and HVGB

b. Crown Lands – Headquarter/Administration functions – moving from St. John’s to CB

Changes to Crown Lands Branch:

a. GIS and Mapping combined with GIS and Mapping in forestry, wildlife, agriculture and moved to a new Division in the Enforcement and Resource Services Branch – GIS and Mapping Division.

b. Land Development Division was split – land use planning staff stayed with Municipal Affairs and Environment, and the Land Management functions combined with Land Stewardship in the new Land Management Division

c. Crown Lands now will also have enhanced ability for enforcement and compliance
Forestry and Wildlife Branch

Forestry Divisions Retained:

a. Forest Engineering and Industry Services

b. Forest Ecosystem Management

Changes to Divisions in Forestry:

a. Research Division – Centre for Forest Science and Innovation combined with Wildlife Research functions, into a new Forestry and Wildlife Research Division.

b. Regional Operations – reduced from 3 regional operation divisions to one.

c. Reconfigured the number of district offices from 11 to 7.

d. Forest road construction moved to TW.
Forestry and Wildlife Branch

Wildlife Division Changes:

a. Moved from Department of Environment and Climate Change.

b. New Director of Forestry and Wildlife Research in the Branch provides cross forestry and wildlife research capacity within one Division.

c. Wildlife now has enhanced field capacity as forestry officers are forestry and wildlife technicians.
Enforcement and Resource Services

New Branch comprised of:

a. Policy and Planning Division from Department of Fisheries and Aquaculture and policy staff within other branches

b. Compliance functions from Fisheries, Wildlife, Forestry and Inland Fish.

c. Enforcement functions from Fisheries, Wildlife, Forestry and Inland Fish and Agriculture

d. GIS and Mapping functions from Crown Lands, Agriculture, Forestry and Wildlife.

e. Wooddale Nursery responsibility from Forestry Branch

Changes:

a. Inland Fish and Wildlife Enforcement from Department of Justice and Public Safety was incorporated into the above divisions.
Department at a Glance

- **Fisheries and Aquaculture Branch**
  - consolidation of divisional structures within the old Department of Fisheries and Aquaculture

- **Forestry and Wildlife Branch**
  - amalgamation of former components of Forestry Services Branch and Wildlife Division

- **Agriculture and Lands Branch**
  - amalgamation of former components of Agrifoods Development Branch, Lands Branch from Municipal Affairs, and Natural Areas Section of Department of Environment and Climate Change

- **Enforcement and Resource Services Branch**
  - amalgamation of former components of Wildlife Division, Forestry Services Branch, and Agrifoods Development Branch, Lands Branch, Fisheries and Aquaculture Branch
Functions, Structure and Budget

1. Core Departmental Functions:
   - Agriculture and Lands – To promote the continued development and diversification of competitive and sustainable agriculture and agrifoods businesses
   - Fisheries and Aquaculture – The licensing and regulation of the province’s fish processing sector; the effective and sustainable management and development of the province’s aquaculture sector;
   - Forestry and Wildlife – To manage, conserve, enhance and use the forest ecosystems of Newfoundland and Labrador to ensure ecosystem sustainability and continued economic benefit to the province.
   - Enforcement and Resources – The protection of the province’s inland fish and wildlife, natural areas, and sea and land resources through the creation, monitoring, and enforcement of legislation. This Branch is also responsible for Policy, Planning and Corporate Services.

In addition, the department is responsible for conservation, marketing, sustainable development, and diversification efforts for sectors under its mandate.

2. Budget 2017-18: $98,625,200
   - Fisheries and Aquaculture: $21,826,900
   - Forestry and Wildlife: $31,896,200
   - Agrifoods and Lands: $31,561,800
   - Enforcement and Resources: $11,243,200
   - Executive and Support Services: $2,097,100

3. Fast Facts:
   - Agriculture and Lands (2017):
     - 20,000 hectares of leased agricultural land
     - Over 500 farms in the province.
       - 30 dairy farms
       - 6 registered egg operations
       - 6 broiler chicken operations
       - 200 (approx.) fruit and vegetable operations
       - 150 livestock operations
       - A large number of mixed livestock and crop operations
     - The total farm gate value of agriculture production is approximately 140 million dollars annually

   - Enforcement and Resource Services (2016-17):
     - 464 complaints of illegal activity and laid 1,048 charges
     - 1,233 complaints with respect to adherence to Acts and Regulations, resulting in 1,375 violations that were dealt with through official enforcement actions
     - 1,837 Environmental Management System compliance inspections were carried out in commercial and domestic harvesting operations, road building and in the Silviculture program
     - 29,003 compliance and enforcement checks by conservation officers
     - 2,309 sawmill inspections and crown land referrals
     - 2,532 human-wildlife interaction complaints
- Fisheries and Aquaculture:
  - Provincial seafood products exported to more than 40 countries
  - Seafood industry directly employs 17,472 people from over 400 communities (2016)
  - Value of the seafood industry in 2016 was over $1.4 billion
  - Aquaculture represented 19.2 per cent of the total seafood industry production value in 2016, with a market value of $276 million
  - 88 commercial salmonid site licences, covering 2,500 hectares
  - 53 commercial shellfish site licences covering 4,403 hectares

- Forestry and Wildlife:
  - 1,636,953 hectares of Crown forested land in the province
  - 640,458 hectares of Corner Brook Pulp and Paper (CBPPL) forested land
  - 2,456,566 cubic metres total Annual Allowable Cut (AAC) (2016-17)
    - Crown AAC 1,619,547 cubic metres
    - CBPPL AAC 817,009 cubic metres
  - 41.4 per cent of the Crown AAC and 70.1 per cent of CBPPL’s AAC was harvested (2015-16)
  - 75 tree planters reforested 3,720 hectares with 6,670,000 tree seedlings (2016-17)
  - 91 forest fires affecting a total of 10,953.5 hectares (2016-17)

4. Structure:
- Four Branches:
  - Agriculture and Lands — Keith Deering, ADM;
  - Fisheries and Aquaculture — Wandalee Wiseman, ADM;
  - Forestry and Wildlife — Steve Balsom, ADM; and,
  - Enforcement and Resources — Tony Grace, ADM.

5. Staffing
- 972 employees
Entities Reporting to Minister:

- Agriculture Land Consolidation Review Commission
- Appeal Board of the Professional Fish Harvesters
- Chicken Farmers of Newfoundland and Labrador
- Dairy Farmers of Newfoundland and Labrador
- Egg Farmers of Newfoundland and Labrador
- Farm Industry Review Board
- Farm Products Corp
- Fish Processing Licensing Board
- Fisheries Advisory Council
- Fisheries Benefits Administration NL Inc
- Forest Land Tax Appeal Board
- Governing Board of the Newfoundland and Labrador College of Veterinarians
- Newfoundland & Labrador College of Veterinarians - Disciplinary Panel
- Newfoundland and Labrador Crop Insurance Agency
- Newfoundland and Labrador Geographical Names Board
- Newfoundland and Labrador Livestock Owners Compensation Board
- Professional Fish Harvesters Certification Board
- Professional Fish Harvesters Disiplinary Board
- Species Status Advisory Committee
- St. John's Land Development Advisory Authority
- St. John's Urban Region Agriculture Appeal Board
- Timber Scalers Board
- Torngat Joint Fisheries Board
- Torngat Wildlife and Plants Co-Management Board
- Wilderness and Ecological Reserves Advisory Council
- Wooddale Land Development Advisory Authority
- *Mistaken Point to be created

Key Ministerial Stakeholders:

- The Fish, Food and Allied Workers – Unifor Union
- Association of Seafood Producers
- Seafood Producers of Newfoundland and Labrador
- Seafood Buyers and Producers Not Affiliated With a Larger Association
- The Newfoundland Aquaculture Industry Association
- Aquaculture Operators
- The Canadian Centre for Fisheries Innovation
- The Marine Institute and CFER
- Memorial University of Newfoundland and Labrador
- College of the North Atlantic
- Memorial University – Grenfell Campus
- Fish Harvesters
- Processing Plant Workers
- Rural Municipal Leaders
- Newfoundland and Labrador Federation of Agriculture
- Farmers and Producers
- Agriculture and Agrifoods Canada
- Corner Brook Pulp and Paper Ltd. And Kruger Inc.
- Integrated sawmills
- Newfoundland and Labrador Lumber Producers Association
- Coalition for Sustainable Forests
- Canadian Wildlife Service
- Canadian Forest Service
- Humber Environment Action Group
- Coalition for Sustainable Forests of Newfoundland and Labrador
- Protected Areas Association
- Outfitters
- Environmental groups
- Commercial operators
- Domestic operators
- Lumber Producers Association
- SPCA
- Hunters and anglers in Newfoundland and Labrador
- Tourism operators in Newfoundland and Labrador
- Newfoundland and Labrador Outfitters Association
- Labrador Hunting and Fishing Association
- Atlantic Salmon Federation
- Government of Quebec
- Academic research partners
- CPAWS
- Nature Conservancy Canada
- Wilderness and Ecological Reserves Advisory Council (WERAC)
- Ducks Unlimited Canada
- Provincial First Nations Groups
- Parks Canada
- Residents of the Notre Dame Bay region
- Environment and Climate Change Canada
- Provincial and territorial governments
- The Official Opposition and Third Party
- Media (Regional and Provincial)
- General public
Existing Departmental Commitments and Strategic Priorities

1. The Way Forward Commitments
   - Support Growth of the Aquaculture Industry to 50,000 MT Annually for Salmon and 10,750 MT Annually for Mussels
     - Take measures to keep applications active and free up water area for aquaculture development
     - Establish new criteria to keep aquaculture licenses and applications active
   - Increase Timber Allocations and Harvest Levels by 20 per cent by 2020
     - Develop and implement the Commercial Timber Allocation Policy and communicate it to existing permit holders and new industry participants
     - Award five per cent of the Crown Annual Allowable Cut through Timber Sale Agreements
   - Increase Newfoundland and Labrador’s Food Self-Sufficiency to at Least 20 per cent by 2022
     - Modify and enhance the Wooddale Tree Nursery to become a Centre for Agriculture and Forestry Development
     - Improve the Crown land approval process to create further opportunities for new entrants to the agriculture sector
     - Complete a pilot project to undertake large-scale land development on priority areas of interest
     - Complete a review of existing funding programs to create more opportunities to support new entrants in entering the agriculture sector
     - Initiate a complete regulatory review of all statutes related to the agriculture sector with the aim of modernizing the legislation
   - Transition to Groundfish
     - Finalize the membership and terms of reference for the Fisheries Advisory Council
     - Work with the Fisheries Advisory Council on an action plan for cod revitalization
   - Support - Place Private Sector Job Growth at the Centre of All Government Decisions
     - Mandate new Cabinet Committee on Jobs
     - Seek advice of provincial leaders, including private sector labour representatives and members of the province’s business community
   - Support - Report on how actions help create stronger conditions for economic and private sector job growth in NL

2. Strategic Plan 2017-20:
   - Food Self-Sufficiency and Security - Increase the province’s food self-sufficiency.
   - Innovative and Sustainable Resource Growth, Development and Diversification – Support the innovative and sustainable growth, development, and diversification of renewable resource sectors

3. Greening Government 2015 Action Plan:
   - Create green teams in all major offices that currently don't have one and hold quarterly meetings.
   - Implement a green communications strategy by of requesting and providing page to FLR. List' of tips provided
- Instructions for employees on how to make FLR Intranet their default browser home page, where Green Team tips will be posted monthly
- Expand on action from last year "training staff to use Microsoft Lyne" as the department has grown significantly and many people do not know how to conduct a web meeting, by providing information on how to use Microsoft Lyne to conduct a web meeting
- Increase the number of Recycling Centres across FLR
- Recycle batteries, electronics and ink cartridges across FLR
Newfoundland Labrador

FISHERIES AND LAND RESOURCES
Presentation for the Minister
August 7, 2017

DEPARTMENTAL CONTROLLER:
PHILIP IVIMEY
2017-18 Budget

- Total Zero Based Budgeting – FLR
  - (3,581,700)

- Changes to Management Structure – FLR
  - ($3,419,100)

- New Initiatives Approved
  - $988,200 Carry Forward Funding – Northern Harvest Sea Farms – Aquaculture Capital Equity Commitment – 2017-18
  - $500,000 – Fish Plant Worker Employment Support Program (FPWESP)
  - $1.5M Carry Forward Funding – Growing Forward 2 – 2017-18
  - $144,900 – Environmental Monitoring – Bay D’Espoir to Western Avalon Transmission Line (3Yr Funding) – offsetting revenue from NL Hydro
  - $100,000 – Labrador Caribou Initiative (3Yr Funding)
  - $95,000 – Boreal and Migratory Caribou Monitoring in Labrador – MOU w/ DND (2Yr Funding) – offsetting Federal Revenue
## 2017-18 Budget

<table>
<thead>
<tr>
<th>Program</th>
<th>Current</th>
<th>Capital</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive and Support Services</td>
<td>$1,606,000</td>
<td>$491,100</td>
<td>$2,097,100</td>
</tr>
<tr>
<td>Fisheries and Aquaculture</td>
<td>$18,988,700</td>
<td>$2,838,200</td>
<td>$21,826,900</td>
</tr>
<tr>
<td>Forestry &amp; Wildlife</td>
<td>$31,896,200</td>
<td></td>
<td>$31,896,800</td>
</tr>
<tr>
<td>Agrifoods and Lands</td>
<td>$30,258,800</td>
<td>$1,303,000</td>
<td>$31,561,800</td>
</tr>
<tr>
<td>Enforcement and Resource Services</td>
<td>$11,243,200</td>
<td></td>
<td>$11,243,200</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$93,922,900</strong></td>
<td><strong>$4,632,300</strong></td>
<td><strong>$98,625,200</strong></td>
</tr>
</tbody>
</table>
2017-18 Budget

Salaries
- $48,031,900 – Approx. 1,000 employees (including seasonal)

General Operating
- $22,007,500

Loans, Advances and Investments
- $2,838,200

Grants and Subsides
- $25,748,200

Total Expenditures to July 31, 2017
- $31,512,726
DEPARTMENT OF FISHERIES AND LAND RESOURCES

Enforcement and Resource Services
Enforcement and Resource Services

Branch comprised of:
- Policy and Strategic Planning Division
- Enforcement
- Compliance Division
- GIS and Mapping
- Wooddale Nursery
The Policy and Planning division provides support to all the other branches within the department and deals with a variety of issues including Federal, interprovincial and internal policy.

The division oversees and manages departmental central activities, such as strategic planning and accountability activities; briefing materials; website; correspondence; publications; and financial and trade analysis.

- ABC's – 22 active entities

The Information Management Unit is responsible for the management and protection of all departmental information as well as, the maintenance of the Electronic Content Records Management System (HP Records Manager). The IM team also addresses the department's legal issues under the Access to Information and Protection of Privacy Act (ATIPPA).

- ATIPPA requests per year approximately 100 per year; 43 to date
Policy and Strategic Planning

Staff Allocation (Total 16)
1 Director
10 Policy Analysts
5 Information Management Staff

*Staff are located in St. John’s (12), Grand-Falls Windsor (1) and Corner Brook (3)

Budget
- Salaries $1,024,800
- Employee Benefits $188,500
- Transportation & Communication $63,900
- Supplies $18,400
- Professional Services $40,000
- Purchased Services $555,100
- Property, Furnishings & Equipment $4,400
- Grants and Subsidies $3,400
- Total Budget $1,898,500
ENFORCEMENT

- Legislation enforced
  - Wild Life Act and Regulations and Guide Regulations
  - Federal Fisheries Act and Regulations
  - Motorized Snow Vehicles and All-Terrain Vehicles Act and Regulations
  - Endangered Species Act
  - Wilderness and Ecological Reserves Act
  - Lands Act ex – illegal occupancy
  - Forestry Act ex - Permits for cutting etc.
Enforcement

Staff Allocation (Total 57)
1 Director (A), (St. John’s)
1 Chief of Enforcement (Corner Brook)
3 Regional Managers: Eastern (St. John’s), Western (Corner Brook) and Labrador (HVGB)
9 Conservation Officer IV
31 Conservation Officers IIB (permanent)
9 Conservation Officer IIB (seasonal)
3 Clerk III Positions (Corner Brook)

Staff Location(s):
Eastern (22), Western (23) and Labrador (12)
Enforcement

Office Locations

Headquarters:
  • Corner Brook

Regional Offices:
  • St. John's
  • Corner Brook
  • Happy Valley-Goose Bay

Detachment Offices:
  • St. John's (Whitbourne)
  • Wabush (Churchill Falls satellite)
  • Clarenville (Winterland satellite)
  • Goose Bay (L'Anse au Loup satellite)
  • Gander
  • Grand Falls – Windsor (Springdale satellite)
  • Roddickton (Port Saunders satellite)
  • Stephenville
  • Corner Brook
## Enforcement

### BUDGET

- **Salaries**  
  $4,198,600

- **Operating Accounts:**
  - Employee Benefits  
    $10,500
  - Transportation & Communications  
    $442,700
  - Supplies  
    $585,600
  - Professional Services  
    $0
  - Purchased Services  
    $1,431,400
  - Property, Furnishings & Equipment  
    $193,000

- **Total Operating Accounts:**  
  $2,663,200

- **Total: Fish and Wildlife Enforcement**  
  $6,861,800
COMPLIANCE DIVISION

- Compliance Division provides oversight and develops legislation, policy and procedures related to FLR compliance and enforcement programs including training and equipment. The focus of all compliance and enforcement activities under the Compliance Division of FLR is to ensure compliance with the following provincial statutes:
  - Forestry Act
  - Wild Life Act
  - Lands Act
  - Animal Health and Protection Act
  - Fisheries Act
  - Wilderness and Ecological Reserves Act
  - Endangered Species Act
  - Fish Inspection Act
  - Aquaculture Act
  - Plant Protection Act

- Ensures quality control and effective management of FLR resources including firearms, vehicles, ammunition, officer safety equipment and uniformed clothing and oversees routine audits on wood transportation, fish processors and buyers, inspector activities, and firearms and ammunition inventories.
Compliance Division

- The implementation and maintenance of the ISO 14001 Environmental Management Certification for Crown managed forests. Includes an annual, internal audit of EMS.

- The management and coordination of the Wildlife Control Program with priority focus on incidents where public safety is at risk.
Compliance Division

Budget

- Salaries $923,900
- Transportation/Communication $98,000
- Supplies $68,300
- Professional Services $19,900
- Purchased Services $63,000
- Property Furnishing and Equipment $30,400

Total: $1,203,500
Compliance Division

**Staff Allocation (Total 17)**

1 Director  
1 Chief of Special Investigations  
1 Manager of Training, Firearms and Equipment  
2 Compliance Managers  
1 Senior Fisheries auditor  
1 Senior Policy and Research analyst  
1 Senior Policy and Research Analyst/EMS Coordinator  
1 Fisheries Auditor  
3 Resource Protection Specialist  
1 Departmental Program Coordinator  
1 Conservation Officer III  
1 Administration Officer  
2 Clerk IV  

*Staff are located in Corner Brook (13) and St. John's (4)*
GIS AND MAPPING DIVISION

The GIS and Mapping Division of the Enforcement and Resource Services Branch is responsible for the planning, development and support of Geographical Information Systems for the four branches of the Department of Fisheries and Land Resources. This includes datasets and applications designed for Agriculture, Forestry, Wildlife, Fisheries, and Crown Land Management.

Responsibilities include:

- Provincial Aerial Photography and Base Mapping
- Geodetic Network
- Geographic Names Board
- Forestry GIS Support
- Wildlife and Fisheries GIS Support
- Agriculture and Lands GIS Support
- Provincial Land Use Atlas
GIS and Mapping

Staff Allocation (Total 24)
1 Director
2 Senior Engineers
4 Database Analysts
7 Computer Systems Analysts
7 Cartographic/Aerial Photography Technicians
1 Control Surveyor
1 Conservation Officer II
1 Administrative Officer

*Staff are located in Corner Brook (20), St. John's (3) and Gander(1)*

Budget

GIS and Mapping - Salary budget Total: $1,500,000 Operating budget Total: $1,000,000
FORESTRY AND WILDLIFE BRANCH GENERAL OVERVIEW

August 1, 2017
BRANCH STRUCTURE

- Programs are developed and delivered by:
  - Regional Operations Division
    - Three regional offices: Corner Brook, Goose Bay and Gander
    - 27 District and Satellite offices throughout Province
  - Forest Ecosystem Management Division - Corner Brook
  - Forest Engineering and Industry Services Division - Corner Brook
  - Forestry and Wildlife Research Division - Gander
  - Wildlife Division - Offices in Corner Brook and Goose Bay
REGIONAL OPERATIONS DIVISION

Responsible for human resource and financial operational activities; oversees the preparation of ecosystem management plans as well as the implementation of programs related to afforestation, reforestation, forest access, fire suppression, wildlife habitat management and public outreach.

Annual Operating Budget: $10,076,900 (Across 3 regions)
Offices: 27 office locations which includes satellite offices across the province
Total Number of Staff: 120
FOREST ECOSYSTEM MANAGEMENT DIVISION

Responsible for overseeing provincial strategic commitments, guidelines/procedures and provincial programs regarding sustainable forest management planning, wood supply analysis, forest inventory, silviculture and applied silviculture research. The division provides recommendation on new laws, regulations, policy, procedures related to forestry and wildlife management. It also coordinates the development of cutting rights Transfer and Exchange Agreements, Land Tax and Management Agreements with industry.

Annual Operating Budget: $6,545,500
Office Location: Corner Brook
Total Number of Staff: 72
FOREST ENGINEERING AND INDUSTRY SERVICES DIVISION

Responsible for forest access, road and stream crossing databases, forest fire management, forest insect and disease, industry support, wood measurement, industry statistics and softwood lumber agreement in relation to sawmilling sector.

Annual Operating Budget: $5.9 million
Office Location: Corner Brook
Total Number of Staff: 134 (17 Permanent/7 Temporary/26 Seasonal/84 Seasonal Fire Fighters)
Programs:
- Forest Fire Management and Coordination
- Forest Insects and Disease
- Forest Engineering (bridge and road database and road construction)
- Industry Services (Scaling, Sawmilling, Statistics and Industry Development)
FOREST INDUSTRY OVERVIEW

- In 2015 2,350 people directly employed. Produced $336 M in wood products.
- Four key sectors; Pulp and Paper, Sawmilling, Value Added Manufacturing and Wood Energy
- With the closure of Stephenville and Grand Falls paper mills and 6 integrated sawmills the industry has undergone a considerable downsizing in the past 10 years.
- Outlet for small diameter wood is limiting factor for economic growth.
- Solid wood products (paper and lumber) continue to be focus of industry; bio-energy showing potential.
WILDLIFE DIVISION

Responsible for the management and control of measures for the protection, preservation and propagation of wildlife, including inland fish, as defined in the Wild Life Act.

Annual Operating Budget: $3,740,300
Office Location: Corner Brook and Goose Bay
Total Staff: 36
Programs:
  - Conservation Services
  - Species and Habitat Management
  - Salmonier Nature Park
  - Licensing and Operations
FORESTRY AND WILDLIFE RESEARCH DIVISION

Responsible for providing the scientific basis for the management, conservation, and enhancement of the forest ecosystems of Newfoundland and Labrador to ensure ecosystem sustainability and continued economic benefit to the province.

Annual Operating Budget: $2,504,100
Office Location: Corner Brook
Total Staff: 18
Programs:

- Forest Ecosystems Research
- Forest Sector Innovation
- Wildlife Research, Biodiversity, and Species at Risk
Department of Fisheries and Land Resources

Forestry & Wildlife Branch
Assistant Deputy Minister Stephen Balsom

Regional Services Division
Director Colin Carroll
Regional Services

Policies and programs associated with sustainable forest management, forest health, and forest services are implemented through a district structure.
Forest Districts

District and Regional Boundaries, Insular Newfoundland

17 office locations
10 satellite offices
Total = 27

Legend
- National Parks
- Eastern Region
- Western Region

District Boundaries, Labrador

Legend
- District Boundaries
Responsibilities

• Preparation of ecosystem management plans, past annual reports, amendments, and assessing crown land referrals.
  • Work with the Strategic Planning Division in CB to complete plans, amendments, and reports. Data comes from district monitoring activities for road construction, forest harvesting, and Silviculture activities.
  • Organize and host public consultation meetings required in the planning process.
  • Ground verify any conflicts in the CL referral process.
Responsibilities …continued

- Oversees delivery of programs related to:
  - forest harvesting – commercial and domestic
  - reforestation – planting, stand maintenance and preparation
  - forest access roads and maintenance
  - forest protection – forest fire fighting and insect treatment
  - wildlife habitat management - wildlife data collection
  - wildlife control - moose, bears in the public environment
  - Environmental Management System - monitoring on forest harvesting and roads activities
  - public outreach – National Forest Week, school presentations.
Responsibilities ...continued

• All Licensing and Permitting including:
  
  - timber cutting
  - sawmilling
  - burning
  - operating during the fire season
  - timber export
  - purchase of timber
  - protection of livestock from wild animals
  - bear protection
  - replacement of a big game license
  - game export
  - temporary outdoor identification cards
  - possession for taxidermy
  - transport of firearms
  - fur bearer export
## Budget

<table>
<thead>
<tr>
<th>Regions</th>
<th>Salaries</th>
<th>Operations</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>4,110,000</td>
<td>581,700</td>
<td>4,691,700</td>
</tr>
<tr>
<td>West</td>
<td>2,825,600</td>
<td>439,700</td>
<td>3,265,300</td>
</tr>
<tr>
<td>Lab</td>
<td>1,804,300</td>
<td>315,600</td>
<td>2,119,900</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>10,076,900</strong></td>
</tr>
</tbody>
</table>
Work plan highlights

- Support the innovative and sustainable growth, development, and diversification of forest sector.
  - Ensure programs are being carried out as per the Forestry Operating Plans and including the Sustainable Forest Management Strategy.
  - Ensure Managers and staff work to complete quarterly reports to provide up to date, and accurate information regarding mandated activities.
- Manage Regional Operations budget to ensure accountability for government spending.
  - Ensure Managers are working with staff to improve spending and save where possible.
  - Ensure Managers are monitoring budgets weekly to meet targets.
Priorities

• Assist the Department with making full use of our Wood Allocation in the Province.
• Continue to provide quality public services.
• Maintain a work environment that is a high level of responsibility and accountability.
• Maintain a positive work relationship with other FLR Divisions and Departments in Government.
• Meet budget targets.
Department of Fisheries and Land Resources

Forestry and Wildlife Branch
Assistant Deputy Minister Stephen Balsom

Forest Ecosystem Management Division
Director, Francis Skeard
Forest Ecosystem Management Division

Responsible for oversight and delivery for three main program areas:

- Forest Inventory
- Strategic Planning
- Silviculture
Forest Inventory
Overview

The systematic survey, sampling, classification and mapping of our forest resources.

Forest Inventory Data is the basis of forest ecosystem management decisions

Two main elements:
• Interpretation of digital aerial photos
• Field Surveys which captures forest growth, benchmark the forest state and to do quality control on forest interpretation
Forest Inventory
Overview

Staff
- 17 permanent staff
- 4 seasonal staff
- Currently 1 vacant permanent and 3 vacant seasonal positions

Budget
- $1,495,900
Forest Inventory
Aerial Photography Interpretation

- Using specialized hardware and software (SoftCopy) which allows 3D viewing of aerial photos to provide a detailed measurement of:
  - Landscape features (Lakes, Bogs, Barrens, etc.)
  - Forest attributes (Species composition, Stand Height, Stand Age, Site quality, Density class)
- Districts are reinterpreted on a 10 year rotation
- Approximately 1 million ha interpreted annually
Forest Inventory
Interpretation

Produces a stored digital forest database

- Forests
- Plantations
- Hydrology
- Bogs
- Barrens
- Roads
- Trails, transmission lines
- Cutovers, fires, insect outbreaks and wind damaged stands
Forest Inventory
Field Surveys

- Maintains 800 Permanent Sample Plots network across the Island to:
  - measure features that cannot be extracted from air photos (e.g. stem diameters and ground vegetation)
  - project future growth and yield of forest stands
- Conducts 100 quality control plots to validate the accuracy of the interpretation program
- A 10,000 plot Temporary Sample Plot database is maintained and added to as operational logistics allows
Strategic Planning

Overview

• Coordinates, approves and monitors
  • Five year operating plans (Forest Harvesting, Road Construction and Silviculture)
  • Annual operating plans
  • Past annual reports

• Conducts Timber Resource Analysis (Annual Allowable Cut Calculations)

• Land Tax Calculation

• Planning Guidelines
  • Strategic Planning Guidelines (5 year plan, AOP, Past Annual)
  • Environmental Protection Guidelines

• Coordinates ILUC and EA Submissions with Forest Management Districts
Strategic Planning
Overview

Staff
• 6 permanent staff

Budget
• $606,500
Strategic Planning

Boundaries

- 24 Forest Management Districts
- 18 on the island
- 6 in Labrador
Strategic Planning
Levels of Planning

Five year operating plan
- Five Years of forestry operations
  - Forest Harvesting, Road Construction and Silviculture)
- Developed through stakeholder/public consultation
- Registered as an undertaking with Environmental Assessment Process
- Must adhere to 10 Year Provincial Sustainable Forest Management Strategy
- 24 Crown Plans and Six Corner Brook Pulp and Paper Limited Plans

Annual operating plan
- Sets out in detail the timber harvest areas, silvicultural treatment areas and forest access roads to be constructed
- Must adhere to five year plan conditions of the Environment Assessment
- Issuance of Certificate of Managed Land (CML) for industry. The CML is the authority to harvest by a Forest Management Agreement (FMA) holder. It confirms that the FMA Holder is in compliance.

Past annual report
- Reports on the past year's activities
  - Timber harvested / Area Harvested
  - Silviculture completed
  - Roads constructed
Strategic Planning
Timber Resource Analysis

• Used to establish sustainable harvest levels (Annual Allowable Cut) for softwoods and hardwoods on a District/Tenure basis

• Recalculated every five years by District and tenure

• Analysis performed with Remsoft Spatial Planning System which is the Canadian standard

• 18 Month Island wide process involving all District managers and planning staff, along with CBPPL managers

• Utilizes all interpreted forest inventory, field survey plots and latest interdepartmental data (wildlife habitat, water resources, parks..etc) to complete the analysis
Strategic Planning
Timber Resource Analysis

- Result is a geographically identified timber supply available for allocation by the District Managers and CBPPL
- Minister sets Annual Allowable Cut (AAC)

<table>
<thead>
<tr>
<th>Tenure</th>
<th>Island Softwood AAC - 2016 to 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core (m³)</td>
</tr>
<tr>
<td>Crown</td>
<td>1,014,808</td>
</tr>
<tr>
<td>CBPPL</td>
<td>775,332</td>
</tr>
<tr>
<td>Total</td>
<td>1,790,140</td>
</tr>
</tbody>
</table>

The AAC for Labrador (307,500 m³) and has not been revised due to no significant industrial activity.
Strategic Planning
Timber Resource Analysis

Total Island Landmass = 11.1 million ha

Non-forested
48%
5,188,463

Non-productive
16%
1,775,508

Productive
36%
3,899,995

Alienated
42%
1,622,583

AAC Landbase
58%
2,277,411
Of the 2.3M ha of AAC landbase, 83% has some form of harvesting restriction. While these are not permanent alienations they impact our ability to allocate timber due to timing restrictions.

Restrictions to Allocation
- Protected Areas
- Caribou Habitat
- Pine Marten Habitat
- Public Water Supplies
- Sensitive Wildlife Areas
- Agrifoods AOIs
- Municipal Boundaries
- Outfitting Camps
- Dump Sites
Strategic Planning

Ongoing Tasks

• General Tasks
  • 2017 land tax – Requires Cabinet Paper
  • Land Tax – Forestry Act Amendment
  • Five year operating plans for Forest Management Districts
  • Land Tax and management agreement review
  • Development of planning geodatabase which will increase efficacy and standardization of Geographic Information System work at the district offices

• Corner Brook Pulp and Paper
  • Forest Management Agreement
    • Silviculture
    • Inventory
    • Forest Insect Monitoring
  • Timber Exchange Agreements
Strategic Planning
Ongoing Tasks

- Forest Management Agreement Proposals
  - Active Energy Group – Districts 17 & 18
  - Sexton Lumber

- Timber Sale Agreements (TSA’s)
  - One to five year allocation of timber
  - Open bid process
Silviculture
Overview

“Silviculture is the science of growing trees”

Key Program components

- Assessing harvested/disturbed areas
- Enhancing seedling quality through applied forest genetics
- Preparing sites for planting
- Planting trees
- Vegetation control
- Pre-commercial thinning
Silviculture
Overview

Staff

- 8 permanent staff
- 26 seasonal staff
- Currently 7 vacant seasonal positions

Budget

- $4,440,600 (including silviculture agreement with Corner Brook Pulp and Paper)
Silviculture
Assessment of Disturbed Areas

- Each year the 10-12,000 ha harvested in NL are assessed to determine adequacy of natural regeneration
- Treatment prescription developed for areas in need:
  - Site preparation
  - Planting species
  - Planting density
Silviculture
Forest Genetics

- Goal: to produce genetically superior seedlings that will grow taller and yield greater volume/value than unimproved seedlings

- All planted black and white spruce seedlings are genetically improved

- Target: 30-40% volume gains in black and white spruce by 2030
Silviculture
Reforestation – Site Preparation

- Each year over 3,000 ha are prepared for planting using machinery, fire or herbicide
- Improves planter access
- Enhances seedling survival and growth
- Minimizes competition
Silviculture
Reforestation – Tree Planting

- Program has stabilized at 4,000 ha / 8M seedlings per annum (Crown and CBPPL)
- Over 95% native species (black and white spruce)
- 138,000 ha of planting to date
Silviculture
Pre-Commercial Thinning (PCT)

- Reducing density to enhance stand growth, value and reduce age to harvest
- PCT program has been significantly reduced over the past 25 years
- 151,000 ha thinned since the 1970s
Silviculture
Vegetation Management

- Controlling undesirable broadleaf vegetation with herbicides
- Less than 500 ha per year (Crown and CBPPL)
Silviculture
Ongoing Tasks

• CBPPL Auditing
  • Monitoring of CBPPL work for quality

• Crown Contract Delivery
  • Silviculture contracts ongoing and all completed by November

• Tree Improvement
  • Trial Establishment
  • Trial Maintenance
Forest Ecosystem Management
Concluding Message

FEM division is where forest management activities are planned and implemented and allows Government to meet its mandate to ensure forest resource sustainability into the future.
Department of Fisheries and Land Resources

Forestry & Wildlife Branch
Assistant Deputy Minister Stephen Balsom

Forest Engineering & Industry Services Division
Director Eric Young
Budget Allocation 2017-18

• Capital Forest Roads (TW) $3.3M

• Forest Fire Management $3.67M
• Forest Insects & Disease $1.07M
• Industry Services & Admin $1.30M
  • Total $6.0M
Capital Resource Roads

- **Capital Road Construction**
  - Supports District 5 yr plans
  - Design/permits/tenders/inspections (Now TW)
  - Public tendering process (Now TW)
  - HQ & District delivery

- **Capital Infrastructure (bridges)**
  - Inventory of crossings
  - Repair/install/remove

- **Capital Maintenance**
  - 2 GNL graders

- **Harvesting work study**
  - Harvesting methodology/Forest utilization/Special projects
Forest Fire Management

- (5) 415 airtankers (operated by Air Services)
- Approx 84 seasonal fire fighters (75 filled) located throughout NL (districts & depots program delivery).
- Equipment & Hose Complex in Gander (Forest Protection Centre)
- Incident Management System & provincial Incident Management Team for complex fires
- Membership in Canadian Interagency Forest Fire Centre (CIFFC) & Northeasetrn Forest Fire Centre (NEFFC) & participation in Working Groups
- Forest Protection (Land Management Tax) Calculations
- Continuous Improvement Program
  - Staffing Levels (permanent, seasonal)
  - Technology (Automated weather stations)
  - Fitness levels for Forest Fire Fighters (entry and seasonal)
  - Trend analysis & resource balance
  - Prevention and Mitigation (education/media)
  - Dispatch & Standby systems
  - Suppression Techniques (ground & air)
Newfoundland & Labrador
Number of Fires 1997 - 2016

20 Year Average Fires by District for the Months of April - September

62 Fires To Date
East 44
West 11
Lab 7

79 in 2016
Forest Fire Location, Cause & Size
Forest Insects and Disease

- **Monitoring**
  - Pheromone (moth) traps (Eastern Spruce Budworm & Hemlock Looper)
  - Aerial defoliation mapping
  - Egg mass (branch surveys)
  - Citizen sentinel program

- **Intervention (aerial control)**
  - Internal staff with contract planes
  - BtK (non-chemical)

- **Research**
  - Federal/University/National (Spray Efficacy Research Group)
Insect Control Highlights

- Two major forest defoliators: Hemlock Looper (ever present) and Spruce Budworm (currently present in Labrador).
- Spruce Budworm anticipated on Island in next 2-3 years (now in Quebec & NB); major implications to wood supply
- Budget of $1M covers monitoring
- Modelling and revised harvest plans also an effective tool
- Goal is to reduce defoliation and minimize mortality
- Small control program for Hemlock Looper on Northern Peninsula in 2017 (completed)
Industry Services

- **Industry Support**
  - Forest Industry expertise & advice
  - Industry Monitoring (stats, reports, webpage etc)
  - Executive support

- **Industry Development** (with Forestry & Wildlife Research Division)
  - Project proposal review
  - Marketing and Product Development
  - Equipment trials, Tours, training

- **Wood Measurement**
  - Wood Scaling (licensing, training, methodology)
  - Dispute Settlement, Check Scaling

- **Initiatives:**
  - Forest Sector Strategy
  - Softwood Lumber Agreement
  - Royalty Rate Review
  - Atlantic WoodWorks! program
NL Sawmill Production

Sawmill Production (2007-2016)

Industry Services May 2017
Newsprint Production

*Production in tonnes*
Region: North America
Grade/Product: Newsprint
Agriculture and Lands Branch

Keith Deering, Assistant Deputy Minister
Agriculture and Lands Branch

5 Divisions:
2. Land Management – Rick Carey
3. Agriculture and Production Research – Dave Jennings
4. Animal Health – Dr. Laura Rodgers
5. Agriculture Business Development Division – Cindy MacDonald
Crown Lands

- Managing and allocating provincial Crown lands in a responsible manner for the continuous social and economic benefit for residents of Newfoundland and Labrador, not only for present but future generations as well.
- Crown lands are managed and allocated as a public trust and an important part of this principle is ensuring equity and fairness in the allocation process.
% of Land Mass Managed by the Crown by Province
Crown Land by Province (% Total - Canada)

QC 28%
ON 19%
BC 17%
AB 10%
NL 8%
SK 7%
MB 10%
NB/NS/PEI 1%
Crown Lands

- One of the oldest (possibly the oldest) divisions in Government (first identified in 1824)
- Regionalized in 1976
- 64 positions (Lands Officers, Land Surveyors, Land Management Specialists, Land Management Officers and Administrative/Technical Support)
- HQ Offices: Director, Manager, Titles Office, GIS/Technical Support, Mapping, Registry
  - Currently at Howley Building (St. John’s); Moving to Corner Brook, (Brake’s Cove – September, 2017)
- 4 Regional Offices
  - St. John’s (Howley Building); Gander (Frasier Mall); Corner Brook (Sir Richard Squires Building); Happy Valley Goose Bay
- 2 Sub-Regional Offices
  - Clareville / Grand Falls Windsor
- Budget: $3.9M
Crown Lands

Key Functions:
- Allocation of Crown Land
  ➢ Over 3,000 applications/year received, with approximately 2,000 titles issued annually
- Crown Titles preparation, Mapping / GIS
  ➢ Over 2,000 titles plotted/year with analysis of over 1,500 surveys and title documents completed annually
- Registration of Crown Titles and Records
  ➢ Nearly 100,000 titles Administered
  ➢ Currently being scanned to be available electronically
- Defending the Crown’s interest in Crown lands
  ➢ Quieting of Titles
  ➢ Illegal occupation (cabins, trailers, busses etc.)
  ➢ Issuance of Removal Notices
Crown Lands

Legislation:
- Lands Act, c. 36, SNL, 1991, as amended
  ➢ Authority for issuance of Crown land titles and protection of the Crown land resource. Most recently amended in 2016 as per the Lands Act Review
  ➢ Land Surveyors’ Act, c. 37, SNL, 1991, as amended
  ➢ Authority to establish the Association of Newfoundland Lands Surveyors
- Quieting of Titles Act, c. Q-3, RSNL, 1990, as amended
  ➢ Allows for the issuance of Certificates of Title to land by the Supreme Court, Trial Division
Crown Lands

- First formal review of the Act in its entirety since enactment in 1991
- Purpose of review:
  ➢ Identify ways to make the Act more user friendly;
  ➢ Assess section 36 (adverse possession or "squatter’s rights");
  ➢ Review section 7 (shoreline reservations) and sections 30 – 35 (unauthorized occupations) for potential changes; and
  ➢ Examine business processes and policies for necessity and efficiency.
- “What We Heard” released June 10, 2015
- Report released publicly on October 28, 2015
Crown Lands

- Bill 63 (2016) amends 26 sections in the Act
- Key amendments:
  - New provisions related to illegal occupations
  - New process for applications for the shoreline reservation
  - Adverse possession provisions will remain
  - Enhanced ability for municipalities to obtain free grants
  - Enhanced protection of personal information
Crown Lands

The Vault:
- Section 37 of the Lands Act requires the Lands Branch to keep duplicates of all title documents
  - Contains surveys, maps, historical records back to 1892 (the "Great Fire")
- The Registry contains 100,000 land tenure records dating back to the 1830's with approximately 1,600 titles are added each year
- Lands Act Review noted that efforts should be made to protect these historical records. Significant effort being made to make records digital prior to relocation to Corner Brook
Great Fire of 1892
Crown Lands

Priorities:
- Scheduled move of HQ to Corner Brook Sept. 2017
- Review of application processing time
- Continue to implement recommendations from the Lands Act Review
- Digitization of the Vault
- Unauthorized land activities (Illegal occupation)
Land Management Division

- 3 main areas of responsibilities:
  - Agricultural Land
  - Natural areas
  - Land Use Planning
- 48 Positions
- 6 locations: Corner Brook, St. John's, Carbonear, Pynns Brook, Mistaken Point, Cape St. Mary's
Agricultural Land:

- Protection of Agricultural Land Base
  - Agricultural Land Planning, Compliance, Land Consolidation Program, Property Tax Exemption, Land Development Advisory Authorities (Wooddale and St. John's), Agriculture Areas of Interest (AOI's)

- Agri-Environmental
  - Certificates of Approvals, Environmental Farm Planning, Policy Development

- Land Development
  - Farm Mapping, Soil Survey, Limestone Program

- Consultation
Land Management Division

• 1,352 ag leases issued in the province: 19,864 ha (49,085 ac)
  • 50 year ag leases, $4/ha/yr
  • Excludes pastures, grants, licenses
  • Average lease size is 15 ha (37 ac)

• Additional 5,944 ha (14,688 ac) of agriculture granted land

• Stats Canada (2011) reported 31,302 ha (77,349 ac) of ‘farm area’ in NL
  • This is down 13% from 2006 (Stats Can) however our data indicates there are 19,492 ha (48,166 ac) developed fields (all forms of title), up 31% since 2012
Land Management Division

Programs:

1. Property Tax Exemption Program:
   - Provides Property Tax Relief for productive farmland under the Municipalities Act
   - Farms generally have high assessments Encourages the use of idle farm land

2. Land Consolidation Program:
   - Provides opportunity for freehold (granted) land to be sold back to the Crown so that it will become available as a CL Lease to existing farmers or new entrants
   - Province wide
   - Since 1986, 106 properties purchased

3. Access Roads and Electrical Program:
   - Funding currently with Dept. of Transportation and Works
   - Improves farmland utilization through access to undeveloped land
   - Provides roads, road maintenance and electrical services to the farm gate
   - Does not include snow clearing or dust control
   - $10,000 cap for electrical services
   - Over 2,000 kms of roads maintained over life of program
Limestone Program:
- Naturally acidic soils
- Improves soil productivity and fertilizer efficiency
- $25/tonne (bulk); ~32 tonne loads

5. Environmental Farm Planning:
- Voluntary Self Assessment
- Funded through Growing Forward 2
- Current plan (within 5 years) required by producers seeking Growing Forward 2 funds
Land Management Division

Soil survey:

- Identifies and describes locations of soil resources in the province
- Critical to long term planning
- Important focus on Agricultural Areas of Interest (AOI's)
7. Premises Identification Program:
   - Launched March 2016
   - Allows for the documentation of locations for a full traceability system
   - Critical component in the event of an animal health or food safety emergency
   - Working with industry
8. Agriculture Development Areas:
- 20 ADA's in Newfoundland and Labrador
- Traditional areas of agriculture
- Referral trigger for all development activities permitted by Crown
- 2 legislated:
  - St. John's Urban Region ADA
  - LDAA, Appeal Board, Minister
  - Wooddale ADA
  - LDAA, Minister
9. Agricultural Areas of Interest (AOI)
   - 62 AOI’s
     - 64,284 ha (158,849 ac)
     - Areas of significant agricultural importance based on soil capability, proximity to existing agriculture operations and the need
   - 19 of 62 AOI’s have been approved to allocate for agriculture development
   - 24 of 62 AOI’s are in final stages of approval prior to allocation
   - 16 of 62 AOI’s are well advanced
Natural Areas Program:

- Establishment of Wilderness and Ecological Reserves
  - Natural Areas System Plan, Wilderness and Ecological Reserves Advisory Council (WERAC)
- Management of Wilderness and Ecological Reserves (Maintaining Ecological Integrity)
  - Permitting, Ecological Monitoring, Patrols, Enforcement with Partners, Assessment of Land Use Referrals, Landscape Connectivity (Inter-Departmental Planning)
- Visitor Services at Mistaken Point and Cape St. Mary’s Ecological Reserves
  - Implementation of Mistaken Point UNESCO World Heritage site plan.
Natural Areas Program:

1. Establishment and management of Wilderness and Ecological Reserves under the *Wilderness and Ecological Reserves Act* and associated regulations.

2. Represent provincial interests in all national parks established in the province by the Government of Canada under the *National Park Lands Act*. 
Natural Areas Program (cont):

3. For the benefit of present and future generations, to protect, in an unimpaired condition:
   - large wilderness areas,
   - representative examples of all of the province’s natural regions
   - rare natural sites (eg. seabird colonies, rare plants, fossils)
   - to preserve the province’s rich natural heritage and to support an ecologically sustainable future.
Land Management Division

Protected Areas in NL:

**Provincial** 52
- 2 Wilderness Reserves
- 18 Ecological Reserves
- 32 Provincial Parks

**Federal** 8
- 4 National Parks
- 1 National Park Reserve
- 3 National Historic Sites

6.9% Protected Areas

- Provincial (1.3%)
- Federal (5.6%)
- Other (93.1%)
Mistaken Point - UNESCO World Heritage Site
Cape St. Mary’s Ecological Reserve
Land Management Division

- Land Use Planning
  - Inter-Departmental Land Use Committee (ILUC):
    - Internal review committee and process for government land use proposals
  - Cottage Planning
    - Designates and develops Crown land for cottage planning and allocation at market value
    - Facilitates public draws for cottage lot allocations
  - Municipal Infilling Limits
    - Evaluates municipal infilling limits and infilling expansion proposed by municipalities to accommodate development proposals
Agriculture Production and Research Division

Mandate:

To maximize agricultural production, market access and research capacity at the primary and secondary levels of a diversified and sustainable agrifoods sector.
Agriculture Production and Research Division

Agricultural Extension Services

Provincial Agriculture Research and Development Program

Farm Industry Review Board
# Agricultural Extension Services

<table>
<thead>
<tr>
<th>Pest management</th>
<th>Poultry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food safety</td>
<td>Dairy</td>
</tr>
<tr>
<td>Market development</td>
<td>Fur and swine</td>
</tr>
<tr>
<td>Seed potato program</td>
<td>Livestock</td>
</tr>
<tr>
<td>Agriculture Development Officers</td>
<td>Fruit and honeybees</td>
</tr>
<tr>
<td></td>
<td>Horticulture crops</td>
</tr>
</tbody>
</table>
Agricultural Extension Services-Poultry

- Egg Industry
- Broiler Industry
- Small poultry flocks, (ducks, geese, turkeys, other species)

Poultry Development Officer:
Carol-Anne Walsh B.Sc. (Agr)
Agricultural Extension Services-Dairy

- Farm management
- Nutrition
- Technology transfer
- ProAction
- Canadian Quality Milk Standards (CQM)

Dairy Specialists:
Brian Bishop (West)
Peter MacIntyre B.Sc. (Agr) (East)
Ag Extension Services-Fur and Swine

- Mink farm management
- Nutrition and feed acquisition
- Fur Farm Regulations
- Swine industry development

Non-ruminant Development Officer:
Alyssa Giles B.Sc. (Agr)
Ag Extension Services- Livestock

- Livestock industry development
- Improved beef and sheep genetics
- Slaughterhouses
- Predator control

Livestock Development Officers:
Krista Head B.Sc. (Agr) (East)
Sabrina Brock B.Sc. (Agr) (West)
Ag Extension Services-Fruit and Honeybees

- Lowbush blueberry
- Fruit trees
- Grape varieties
- Strawberries and Bramble berries
- Cranberries
- Honeybees

Fruit Crop Development Officer:
Karen Kennedy M.Sc., P.Ag.
Ag Extension Services - Horticulture Crops

- Crop production methods
- New technology
- Disease management
- Crop rotation / soil fertility
- Climate change
- Organic Crops

Crop Development Officers:
James Dawson B.Sc. (Agr), M.Sc. (Agr), Ph.D (Agr) (West)
Jane White B.Sc. (Agr) (East)
Ag Extension Services - Pest Management

- Integrated Pest Management
- Pest identification
- Training (Pesticide Applicator License)

Pest Management Specialist:
Leah Madore B.Sc. (Agr)
Ag Extension Services - Food Safety

- On-farm food safety (Canada GAP)
  - Provide professional and technical support on the farm in all matters relating to food safety and food quality
- Post-farm food safety - Provide training and support to food processors

Food Safety Specialists:
Erin Kennedy B.Tech. Dip. Food Safety (East)
Leona Raymond B.Sc. Dip. Food Safety (West)
Ag Extension Services-Market Development

- Market Intelligence
- Product development (branding, value-added products)
- Agriculture Awareness
- Agricultural exhibitions and special events (From This Rock)

Market Development Officer:
Crystal-Lynn Anderson Baggs B.Comm.
Ag Extension Services-Nuclear Seed Potato Propagation Facility

- Production of nuclear seed potato stock is critical to ongoing R&D of potato varieties grown at the Glenwood Seed Potato Farm
- Glenwood seed must be obtained from pathogen-tested tissue culture plantlets under aseptic and protected conditions

Agriculturists:
Adam Fitzpatrick B.Sc.
Teri Smith
Ag Extension Services - Glenwood Seed Potato Farm

- Continue to provide technical support for the production of suitable seed potato varieties that are "potato wart" and "golden nematode" resistant for potato producers in the province
- Continue research on specific variety development and crop rotation practices
- Continue research on best management practices

Mark Feener - Farm Manager
Ag Extension Services-Agriculture Development Officers

- Agriculture Development Officers provide information services to industry on the various programs offered through the Branch
- Aim to increase agricultural activity and income within their geographic area
Provincial Agricultural Research & Development Program (PARDP)

- Applied research activities supporting diversification, growth, and sustainability of the NL agricultural industry
- Research to investigate opportunities for the production of livestock feeds in NL
- Best management practices for production of horticulture crops
- Diversification of the agriculture industry

Sabrina Ellsworth M.Sc., P.Ag.- Manager
- Ongoing cranberry trials at Pynn’s Brook
- Initiating development of half-high blueberries and partridgeberries at Pynn’s Brook
- Investigating new fruit crop opportunities

- Alternative Crop Officer:
  - Deanne Simms B.Sc. (Agr)
PARDP- Cereal Grain Research

- Develop cereal grain production systems suitable for the dairy industry
- Determine optimal fall seeding date and relative economic suitability of selected cultivars of winter wheat/winter barley
- Assess canola and soybean for viability and potential

Research Scientist:
Vanessa Kavanagh Ph.D. P.Ag.
PARDP- Nutrient Management

- Conducts nutrient management plans
- Makes input recommendations to farmers based on soil test results

Soil Fertility Specialist: Xiaobin Guo Ph.D.
PARDP- Provincial Soil, Plant and Feed Laboratory

- Conducts modern soil and feed analytical methods
- Lab recommendations are coordinated with the provincial laboratories in the Atlantic provinces, QC and ON
- Sample types:
  - Soil (mineral, organic and greenhouse)
  - Soil amendments (manure, compost, limestone)
  - Plant tissue (crop, vegetable, fruit)
  - Feed (forage, silage/hay, mill feeds/animal feed, grain)

Agricultural Lab Chemists:
Dr. Mridul Misra
Tom Fagner
The Farm Industry Review Board (FIRB) was created in May 2005 to supervise the agricultural marketing boards:

- Chicken Farmers of NL
- Dairy Farmers of NL
- Egg Farmers of NL

Administers 2 Acts:

- Farm Practices Protection Act
- Natural Products Marketing Act

Heather Randell B.Sc., MES - Manager
Animal Health Division

Dr. Laura Rogers, Director
Animal Health – Office Locations

Regional vet locations:
  • Pynn’s Brook
  • Clarenville
  • St. John’s

Poultry vet (province-wide)
Animal Health – Lines of Business

- Provision of a 24 hr Farm Animal Veterinary Service (livestock and poultry)
- Laboratory testing for diagnostic, food safety and quality, and regulatory purposes
  - ISO 17025 accredited
- Animal welfare responsibilities including: training, monitoring of enforcement, policy development and public education, provision of forensic pathology and expert witness testimony in animal cruelty investigations under the *Animal Health and Protection Act*
- Delivery of the Meat Inspection Program and licensing of slaughterhouses under the *Meat Inspection Act* and *Food Premises Act*
- Public Health responsibilities for zoonoses especially Rabies
## Animal Health – 2017/18 Budget

<table>
<thead>
<tr>
<th>Description</th>
<th>Original Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2016-17</td>
</tr>
<tr>
<td>M01 Salaries</td>
<td>2,038,200</td>
</tr>
<tr>
<td>G02 Employee Benefits</td>
<td>4,500</td>
</tr>
<tr>
<td>G03 Transportation &amp; Communication</td>
<td>85,000</td>
</tr>
<tr>
<td>G04 Supplies</td>
<td>765,400</td>
</tr>
<tr>
<td>G05 Professional Services</td>
<td>25,000</td>
</tr>
<tr>
<td>G06 Purchased Services</td>
<td>312,500</td>
</tr>
<tr>
<td>G07 Property, Furnishings &amp; Equipment</td>
<td>5,000</td>
</tr>
<tr>
<td>M10 Grants and Subsidies</td>
<td>133,500</td>
</tr>
<tr>
<td>M27 Related Revenue</td>
<td>330,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,559,100</strong></td>
</tr>
</tbody>
</table>

- **Grants and Subsidies**
  - $110,000 (SPCA)
  - $15,000 (Chinook)
  - $5,000 (Atlantic Veterinary College)
  - $2,000 (Canadian Animal Health Laboratorians Network)
  - $1,500 (Newfoundland and Labrador Veterinary Medical Association)
Animal Health – In Action
Animal Health – Key Issues

- Animal Welfare
- Recruitment and retention
- Improved technology systems
- Synergies with Fisheries
Agriculture Business Development Division

Cindy MacDonald, Director
Agriculture Business Development Division

Responsible for providing professional advisory services and financial programs to innovate, strengthen and develop the agriculture and agrifoods sector, thereby increasing the profitability, efficiency and productivity of agribusinesses.
Agriculture Business Development

Professional Advisory Services

- Financial Officers
  - Business development programs
  - Project management
- AgrilInsurance Agriculturists
  - Agronomic controls for crop management
- Farm Management Specialists
  - Business planning and financial analysis
- Industry Development Officers
  - Cost of Production Project
## Agriculture Business Development

<table>
<thead>
<tr>
<th></th>
<th>2016-17 Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Divisional Administration / Grants</td>
<td>$2,086,400</td>
</tr>
<tr>
<td>Agrifoods Assistance Program</td>
<td>$3,250,000</td>
</tr>
<tr>
<td>AgrilInsurance / Livestock Insurance</td>
<td>$449,100</td>
</tr>
<tr>
<td>Growing Forward 2 (including BRM)</td>
<td>$8,664,100</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$14,449,600</strong></td>
</tr>
<tr>
<td><strong>Federal Revenue</strong></td>
<td><strong>$4,929,500</strong></td>
</tr>
</tbody>
</table>
Agriculture Business Development

- **Provincial Agrifoods Assistance Program**
  - To improve economic viability, promote commercialization and enhance competitiveness
  - Eligible activities include:
    - Land development
    - Secondary processing
    - Technology adoption
    - Environmental Stewardship
    - On-Farm Diversification
  - $3.25 M in 2017-18;
  - Cap increased from $40,000 to $100,000 in 2016-17
  - In 2017-18, approximately 160 applications were received for land development and infrastructure projects
  - $500,000 of 2017-18 budget intended for large scale land development
Livestock Insurance

- Provincial Program
- *Livestock Insurance Act*
- Insurance coverage against livestock losses due to predation from dogs, bears, and coyotes
- Farmers pay 100% of premiums
- Small program: For 2016-17, 375 animals were insured with $62,865 coverage value
- Premium and Indemnity Rates set annually by Minister
- Livestock Owners Compensation Board – category 3 public body
  - Annual Performance Report
  - Three Year Activity Plan
  - OAG annual audit of financial statements
Agriculture Business Development - AgrilInsurance

- Business Risk Management (BRM) program offered across Canada and is funded under Growing Forward 2: Canada – Newfoundland and Labrador AgrilInsurance Agreement
- Administration is cost-shared on 60/40 federal-provincial basis
- Insurance premiums are cost shared 36/40/24 with the federal government, producers and the province
- Insurance coverage against natural perils such as frost, wind, excessive rainfall, drought, wildlife, and plant disease
- Crop Insurance Act
- Crop Insurance Agency – category 3 public body
  - Annual Performance Reports
  - Three Year Activity Plan
  - OAG annual audit of financial statements
Agriculture Business Development - BRM

- AgrilInsurance
- AgrilInvest
  - Investment account intended for small income declines
  - Helps cover income decline and supports investment to mitigate risks
- AgriStability
  - Margin based support for large income declines
  - Offers protection against large declines in farm income due to low commodity prices, rising input costs and production losses
- AgrilInvest and AgriStability are administered by Agriculture and Agri-Food Canada for NL participants
- Cost-shared on 60/40 basis
- Program costs have increased due mostly to decline in fur prices:
  - $297,146 provincial government share in 2015-16
  - $711,071 provincial government share in 2016-17
  - $1,396,681 provincial government share in 2017-18 to date
Growing Forward 2

in Newfoundland and Labrador

Canada

Newfoundland Labrador
Growing Forward 2

- An Agricultural Policy Framework to help the agriculture, agri-foods and agri-products sector become more **profitable, sustainable, competitive** and **innovative**.
- **60/40** federal-provincial cost shared
- $3.0 billion nationally over five years
- Growing Forward 2 in NL: $37 Million
## GF2 Priority Areas and Programs

<table>
<thead>
<tr>
<th>Innovation</th>
<th>Competitiveness &amp; Market Development</th>
<th>Adaptability &amp; Industry Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advancing Innovation</strong></td>
<td><strong>Agriculture Sustainability</strong></td>
<td><strong>Agriculture Opportunities</strong></td>
</tr>
<tr>
<td>Program</td>
<td>Program</td>
<td>Program</td>
</tr>
<tr>
<td><strong>Budget: $12,000,000</strong></td>
<td><strong>Budget: $13,500,000</strong></td>
<td><strong>Budget: $8,447,500</strong></td>
</tr>
<tr>
<td>Agriculture Innovation Initiative</td>
<td>Environmental Sustainability Initiative</td>
<td>Agriculture Land Development Initiative</td>
</tr>
<tr>
<td>Future Farms Initiative</td>
<td>Food Safety, Biosecurity &amp; Traceability Initiative</td>
<td>Human Resource Development Initiative</td>
</tr>
<tr>
<td></td>
<td>Market Development Initiative</td>
<td>Business Development Initiative</td>
</tr>
</tbody>
</table>

GF2 NL Budget $33,947,500 Plus Federal Attributed Programs $3,052,500
Advancing Innovation Program

To facilitate the growth of a competitive and sustainable industry through the development or adoption of new or improved products, processes or practices that lead to improved productivity and/or commercialization and through knowledge and information sharing

- **Agriculture Innovation Initiative**
  - Production Systems (Livestock, Crop, Small Fruit and Greenhouse Systems)
  - Secondary Processing (Pre-commercial Product Development and Commercialization)
  - Innovation and Information Sharing (Innovation Forums and Graduate Research Training)

- **Future Farms Initiative**
  - New Farm Investment
  - Legal Land Survey
  - Beginning Farmers
  - Succession Planning
Advancing Innovation Program

Innovative Investments include:

- Robotic milking systems
- Automatic Feed Pushers
- Raspberry Harvester
- Hydroponic Greenhouse systems
- Greens Harvester
Advancing Innovation Program

Future Farms Investments include:
- Young Farmers Forum
- Workshops, social media, Leadership Summit and Career Video
- Young Farmer Needs Assessment
Agriculture Sustainability Program

To enable the industry to compete in domestic and international markets, enhance its ability to respond to society’s demands and contribute to the well-being of Canadians

Environmental Sustainability Initiative
- Environmental Farm Planning using Beneficial Management Practices
- Energy conservation measures
- Climate change

Food Safety, Biosecurity, and Traceability Initiative
- Addresses challenges to the safety and security of the food system

Market Development Initiative
- Market development and market access
- Animal and poultry care – National Codes of Practice
Agriculture Awareness

Agriculture Awareness Investments include:

- Agriculture in the Classroom
  - Little Green Thumbs
  - Agriculture Literacy Week
- Agrifoods and Garden Show
- Open Farm Day
Agriculture Opportunities Program

To increase industry capacity and encourage the development of an adaptive and resilient agriculture, agri-foods, and agri-products industry

- **Agriculture Land Development Initiative**
  - Land development, sub-surface drainage, on-farm access roads and agricultural land development equipment

- **Human Resource Development Initiative**
  - Training, investigative tours, conferences and workshops

- **Business Development Initiative**
  - Business planning, feasibility studies, farm financial assessment and analysis, COP analysis and sector strategy development
Agriculture Opportunities Program

Land Development Investment includes:

- Funding is provided for development of agricultural land and construction of on-farm access roads. Eligible activities include rough clearing, land enhancement, excessive rock removal, and sub-surface drainage.
- Land development investment addresses livestock feed self-sufficiency, crop rotation, economies of scale and food security.
## GF2 Funding Levels

<table>
<thead>
<tr>
<th>Growing Forward 2 Program</th>
<th>Producers, Secondary Processors, Agri-businesses</th>
<th>Not-for-Profit Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advancing Innovation Program</td>
<td>Up to 75% of eligible expenses</td>
<td>Up to 100% of eligible expenses</td>
</tr>
<tr>
<td></td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
</tr>
<tr>
<td>Agriculture Sustainability Program</td>
<td>Up to 75% of eligible expenses</td>
<td>Up to 100% of eligible expenses</td>
</tr>
<tr>
<td></td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
</tr>
<tr>
<td>Agriculture Opportunities Program</td>
<td>Up to 75% of eligible expenses (exception: Agriculture Land Development Initiative – acreage payments)</td>
<td>Up to 100% of eligible expenses</td>
</tr>
<tr>
<td></td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
<td>For capital expenditures: up to 75% of eligible expenses</td>
</tr>
</tbody>
</table>

- Commercial applicant: funding limit of $400,000 non-repayable contribution
- Not-for-profit groups: No set limit where projects have industry-wide benefits
### GF2 Expenditures by Program 2013-14 to 2016-17

<table>
<thead>
<tr>
<th>Program</th>
<th>Number of Projects Funded</th>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Innovation Program</td>
<td>251</td>
<td>$10,733,394</td>
</tr>
<tr>
<td>Agriculture Sustainability Program</td>
<td>230</td>
<td>$9,623,891</td>
</tr>
<tr>
<td>Agriculture Opportunities Program</td>
<td>204</td>
<td>$3,839,657</td>
</tr>
<tr>
<td>TOTAL</td>
<td>685</td>
<td>$24,196,942</td>
</tr>
</tbody>
</table>

Excludes administration expenditures
GF2 Expenditures by Initiative 2013-14 to 2016-17

Summary of GF2 Expenditures by Initiative (Years 1,2,3 & 4)

- Agriculture Innovation Initiative: $10,227,017 (39%)
- Future Farms Initiative: $506,377 (2%)
- Environmental Sustainability Initiative: $3,789,670 (14%)
- Administration: $2,181,815 (8%)
- Market Development Initiative: $3,768,478 (14%)
- FS, Biosecurity and Traceability Initiative: $2,065,743 (8%)
- Agriculture Land Development Initiative: $3,113,688 (12%)
- HR Development Initiative: $431,589 (2%)
- Business Development Initiative: $294,380 (1%)
GF2 Expenditures by Agriculture Commodity 2013-14 to 2016-17

GF2 Expenditures by Commodity

- **Industry Projects**
  - $3,550,421
  - 13%

- **Secondary Processing**
  - $432,930
  - 2%

- **Poultry**
  - $1,957,866
  - 7%

- **Livestock**
  - $1,528,661
  - 6%

- **Horticulture**
  - $5,381,129
  - 20%

- **Apiculture**
  - $122,678
  - < 1%

- **Administration**
  - $2,181,504
  - 8%

- **Berries**
  - $936,584
  - 4%

- **Dairy**
  - $7,288,554
  - 28%

- **Forage**
  - $1,434,946
  - 6%

- **Fur**
  - $1,563,174
  - 5%
GF2 Expenditures by Recipient Type 2013-14 to 2016-17

- Producer: $18,268,285 (69%)
- NL Government: $1,166,023 (5%)
- Industry Associations: $3,211,737 (12%)
- Processor: $1,409,948 (5%)
- Administration: $2,181,815 (8%)
- Other (Post Secondary Institutions): $140,949 (< 1%)
Canadian Agricultural Partnership

FPT Ministers of Agriculture released the Calgary Statement in July 2016

The Next Policy Framework will focus on these priority areas:

- Markets and Trade
- Science, Research and Innovation
- Risk Management
- Environmental Sustainability and Climate Change
- Value-Added Agriculture and Agri-Food Processing
- Public Trust

Ministers Signed Agreement in Principle in July in St. John’s

- Negotiations will continue through this fall and winter towards the bi-lateral agreement
- Thorough review of Business Risk Management Programming
FISHERIES AND AQUACULTURE
## Provinces and Federal Jurisdictions

<table>
<thead>
<tr>
<th>Provincial</th>
<th>Federal</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Fisheries Diversification</td>
<td>- Oceans science and management including fisheries management and science</td>
</tr>
<tr>
<td>- Licensing, administration of fish plants</td>
<td>- Licensing and administration of fish harvesters</td>
</tr>
<tr>
<td>- Establishing and enforcing standards for fish quality</td>
<td>- Harvesting statistics</td>
</tr>
<tr>
<td>- Processing and aquaculture statistics</td>
<td>- Habitat protection</td>
</tr>
<tr>
<td>- Aquaculture licensing and registry</td>
<td>- Aquaculture Statistics for Canada</td>
</tr>
<tr>
<td>- Aquaculture inspections and enforcement</td>
<td>- International relations</td>
</tr>
<tr>
<td>- Aquaculture development and extension services</td>
<td>- Certification of plants exporting fish (CFIA)</td>
</tr>
</tbody>
</table>
COMMON RESPONSIBILITIES

- Research and development
- Oceans/coastal zone management
- Seafood marketing (Agriculture Canada)
- Environmental protection
- Statistics and information services
- Infrastructure support
- Aquaculture science, site inspections and fish health
REGIONAL AND SATELLITE OFFICES
• Support sustainable and viable fishing and aquaculture industries through:
  o the licensing and regulation of the fish processing sector;
  o supporting industry research, innovation, development, and diversification efforts; and
  o sustainable development
  o monitor and participate in fisheries management
  o policy and program development
GUIDING PROVINCIAL LEGISLATION

- *Fisheries Act*
- *Fish Inspection Act* and Regulations
- *Aquaculture Act* and Regulations
- *Fish Processing Licensing Board Act*
- *Professional Fish Harvester’s Act*
- *Fishing Industry Collective Bargaining Act*
FISHORIES

- Marketing and Development Division - Director - Sean Barry
- Sustainable Fisheries and Ocean Policy Division - Director – Tom Dooley
- Licensing, Inspection, and Quality Assurance Division – Director – Ian Burford
MARKETING AND DEVELOPMENT

Programs and Services

• Marketing
  – Market research and intelligence
  – Market development
    • Trade shows and missions
    • Seafood promotion
    • Industry support services
  – Eco-certification

• Development
  – Industry support services to harvesting and processing sectors
  – Seafood Innovation and Transition Program
Marketing and Development

Provides market research and intelligence to:

1. Collective Bargaining (raw material prices):
   - Provides market intelligence to Standing Fish Price Setting Panel, FFAW, ASP, SPANL, and other relevant parties
   - Snow crab, coldwater shrimp, Atlantic cod, lobster, mackerel, capelin, sea urchin, halibut, lumpfish, whelk, squid.

2. External market consultants:
   - e.g., John Sackton, GEMBA, AM Haram, Minato-tsukiji, CanadaUK Partners, etc.

3. Market data and information services:
   - Urner Barry, Seafood.com, Intrafish, FIS, Global Trade Atlas, Infosh, Minato-Tsukiji, Seafood International, Seafood Source, etc.

4. Information collected for Department, Government, External Requests:
   - Department of Finance, Business, Tourism, Culture and Rural Development, harvesters, processors, consultants.
Marketing and Development

Market development through:

1. Trade Shows and Missions:
   - Manage/co-ordinate FLR and industry participation
   - Assist seafood companies/organizations
   - Showcase and present positive image of NL fisheries and aquaculture industries
   - Facilitate interaction between NL seafood companies and international buyers
   - Reconnaissance (i.e., market trends, competitor analysis, product/promotion ideas, networking, etc.)
Marketing and Development

2. Seafood Promotion
   • Promotional material / advertising (Seafood Products Directory, product information sheets, recipe brochures, nutritional information, advertising, etc.)
   • Joint promotional initiatives in various countries in collaboration with federal gov’t and Atlantic Canada counterparts.
   • Collaborative promotional efforts (in-province)
     o Culinary road show in partnership with NL Restaurant Association and NL Association of Chefs and Cooks
     o Local seafood promotion with hotels/restaurants
     o Seafood donations for local functions and events, conferences, chef competitions, etc.
Marketing and Development

Eco-certification:
- Promote and encourage sustainability and eco-certification of fisheries and aquaculture industries
  - Marine Stewardship Council (MSC)
  - Aquaculture Stewardship Council (ASC)
  - Global Aquaculture Alliance’s Best Aquaculture Practices (BAP)
  - Organic certification
- Funding assistance to industry for various certifications
  - Since 2008, FLR has contributed over $350,000 towards various certifications
  - Almost: 80% of NL seafood by value is MSC certified
SEAFOOD INNOVATION AND TRANSITION PROGRAM (SITP)

- Two year funding program announced as part of Budget 2016-2017.
  - Primary objective - to support the fishing industry to make the transition from shellfish to groundfish, through all sections of the value chain.
  - Program focus - revitalization of the groundfish sector, innovation and technology, fisheries and aquaculture industry research, and strategic marketing initiatives.
- Maximum contribution for an individual project is $100,000.
- FLR-led and non-profit institutions eligible up to 100% cost (must have industry partner).
- Enterprises under 40 feet eligible to a maximum of 80% of eligible expenses.
- Industry led projects, not including under 40 feet enterprises, are eligible to a maximum of 60% eligible expenses.
SITP: Opportunities and Eligible Activities

Opportunities

- Harvesting and Processing Technology
- Seafood Quality enhancement and improvements
- Species diversification
- Market development/promotion
- Product development
- Environmental sustainability and eco-certification

Eligible Activities

- Advanced and innovative harvesting and processing technology with emphasis on transition from shellfish to groundfish.
- On-board handling and transportation systems
- Quality improvement
- Energy efficient and environmentally friendly harvesting technology to improve quality and provide higher returns.
KEY ISSUES - MARKETING AND DEVELOPMENT

- Atlantic Fisheries Fund
- Participation in upcoming Trade Shows/Events
- Fisheries Advisory Council
SUSTAINABLE FISHERIES AND OCEANS POLICY

- Sustainable Fisheries – provides policy/position direction on the sustainable management of fishery resources through review of fisheries management plans, scientific assessments, and resource policy conducted/developed by DFO

- Oceans Policy - plays the lead role in integrated coastal and oceans management and promotes/supports initiatives which allow for the implementation of the Provincial Coastal and Oceans Management Strategy and Policy Framework
Sustainable Fisheries and Ocean Policy

Major Activities – Sustainable Fisheries:
- Participates in fisheries management advisory and science processes for commercial fish stocks and seals (NL, Atl, Gulf)
- Provides advice on all resource related issues including:
  - Setting on Total Allowable Catches (TAC)
  - Access and Allocation
- Represents NL at international meetings related to the management of straddling fish stocks (NAFO; Canada-France)
- Centre for Fisheries Ecosystem Research advisory
- Member of the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) for Marine Fish species
- Manages Fisheries Research Grant Program ($100,000)
# Fisheries Research Grant Program

**2016/2017 Initiatives**

**Budget $100,000**

<table>
<thead>
<tr>
<th>Proponent</th>
<th>Project Description</th>
<th>Funding provided</th>
</tr>
</thead>
</table>
| **FFAW**  | FFAW-DFC Fisheries Science Collaborative Projects  
- Northam Gulf Cod Science Program  
- Post-Season Snow Crab Survey  
- Lobster Science Logbook and At-Sea Sampling Initiative  
- 2J3KL Cod Tagging Project | $70,000 |
| **MIL (CFER)** | Quantification of Mackerel Spawning in White Bay/Notre Dame Bay | $11,250 |
| **MIL (CFER)** | Satellite Tagging of 4R Atlantic Halibut | $9,000 |
| **MUN**    | Dr. Wilfred Templeman Memorial Scholarship | $5,000 |
| **Students on Ice** | 2016 Arctic Expedition-top-up | $400 |
| **Town of Fogo** | World Oceans Day | $500 |
| **CFAWS**  | World Oceans Day | $2,000 |
| **Champlain's Well** | Aquarium | $1,000 |
| **Eastern Nl. Science** | Science and Tech Fair | $250 |
| **Total**  |                     | **$99,400** |
Sustainable Fisheries and Ocean Policy

Major Activities – Oceans Policy:

• Oversees implementation of the Provincial Coastal and Ocean Management Strategy and Policy Framework

• Coordinates activities related to the Federal/Provincial governance model in the province
  o Co-chair Regional Oversight Committee on Oceans Management and Canada-Newfoundland and Labrador Committee on Oceans Management

• Builds partnerships with stakeholders to support coastal and ocean initiatives related to the strategy
Sustainable Fisheries and Ocean Policy

Provincial Coastal and Ocean Management Strategy and Policy Framework:

Requires active engagement of other provincial departments

- 3 Strategic Goals:
  - A Coordinated Approach
  - Information and Research
  - Education and Awareness

- 6 Policy Issues:
  - Healthy Marine Environments
  - Social, Cultural and Economic Sustainability
  - Coastal Land Use
  - Competing Needs and Interests
  - Coastal and Marine Infrastructure
  - Climate Change
Resource Status:
Commercial Fish Species
Newfoundland and Labrador
# GROUNDFISH STOCKS

<table>
<thead>
<tr>
<th>Stock</th>
<th>2016 TAC (t)</th>
<th>2016 Total Landings (t)</th>
<th>2017 TAC (t)</th>
<th>Status</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Cod</td>
<td>NA¹</td>
<td>9,959</td>
<td>NA¹</td>
<td>Critical</td>
<td>Increasing</td>
</tr>
<tr>
<td>South Coast Cod</td>
<td>13,043²</td>
<td>5,200</td>
<td>6,500²</td>
<td>Cautious</td>
<td>Decreasing</td>
</tr>
<tr>
<td>Northern Gulf Cod</td>
<td>1,500³</td>
<td>1,312</td>
<td>3,185³</td>
<td>Critical</td>
<td>Increasing</td>
</tr>
<tr>
<td>Redfish (Unit 2)</td>
<td>3,500</td>
<td>2,847</td>
<td>8,506</td>
<td>Critical</td>
<td>Increasing</td>
</tr>
<tr>
<td>Redfish (Unit 1)</td>
<td>2,000</td>
<td>331</td>
<td>2,000</td>
<td>Critical</td>
<td>Increasing</td>
</tr>
<tr>
<td>South coast halibut</td>
<td>3,149⁴</td>
<td>2,174 (P)</td>
<td>3,621⁴</td>
<td>Healthy</td>
<td>Increasing</td>
</tr>
<tr>
<td>Gulf halibut</td>
<td>1,034⁵</td>
<td>950 (P)</td>
<td>1,297⁵</td>
<td>Healthy</td>
<td>Increasing</td>
</tr>
<tr>
<td>Gulf turbot</td>
<td>4,500⁶</td>
<td>3,230 (P)</td>
<td>4,500⁶</td>
<td>Healthy</td>
<td>Stable</td>
</tr>
</tbody>
</table>

¹Northern cod is a stewardship fishery with weekly landing limits increased in 2017.
²France (SPM) is allocated 15.6% of the TAC.
³NL is allocated 72% of the inshore fixed-gear quota.
⁴3Ps inshore fixed-gear fleet allocated 2.5% of the TAC. Preliminary landings.
⁵NL share of the inshore fixed-gear quota is 29%. Preliminary landings.
⁶NL share of the inshore fixed-gear quota is 18%. Preliminary landings.
# NAFO STOCKS

<table>
<thead>
<tr>
<th>Stock</th>
<th>2016 TAC (t)</th>
<th>Canadian Landings (t)</th>
<th>2017 TAC (t)</th>
<th>Canadian Share %</th>
<th>Status</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellowtail Flounder (3LNO)</td>
<td>17,000</td>
<td>6,327</td>
<td>17,000</td>
<td>97.5</td>
<td>Healthy</td>
<td>Stable</td>
</tr>
<tr>
<td>Turbot (23KLMNO)</td>
<td>14,799</td>
<td>6,072</td>
<td>14,799</td>
<td>38</td>
<td>Moderate</td>
<td>Unknown</td>
</tr>
<tr>
<td>Witch flounder (3NO)</td>
<td>2,172</td>
<td>799</td>
<td>2,225</td>
<td>60</td>
<td>Moderate</td>
<td>Declining</td>
</tr>
<tr>
<td>3LN Redfish</td>
<td>10,400</td>
<td>2,713</td>
<td>14,200</td>
<td>42.6</td>
<td>Healthy</td>
<td>Stable</td>
</tr>
</tbody>
</table>
# SHELLFISH STOCKS

<table>
<thead>
<tr>
<th>Stock</th>
<th>2016</th>
<th>2017</th>
<th>Stock Status</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TAC (t)</td>
<td>NL Landings (t)</td>
<td>TAC (t)</td>
<td></td>
</tr>
<tr>
<td>Snow Crab</td>
<td>45,667</td>
<td>41,743</td>
<td>35,419</td>
<td>Moderate</td>
</tr>
<tr>
<td>N. Shrimp inshore SFA 6</td>
<td>19,366</td>
<td>17,322</td>
<td>7,239</td>
<td>Critical</td>
</tr>
<tr>
<td>Gulf Shrimp (inshore 4R)</td>
<td>4,564</td>
<td>4,563</td>
<td>4,564</td>
<td>Healthy</td>
</tr>
<tr>
<td>Lobster</td>
<td>NA</td>
<td>2,925</td>
<td>NA</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Newfoundland Labrador
# Pelagic Stock Summary

<table>
<thead>
<tr>
<th>Stock</th>
<th>TAC (t)</th>
<th>NL Landings (t)</th>
<th>TAC (t)</th>
<th>Status</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gulf Herring (4R)</td>
<td>20,000</td>
<td>27,402</td>
<td>20,000</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>NL Herring (2J3KLPS)</td>
<td>14,291</td>
<td></td>
<td>14,842</td>
<td>Low-Moderate</td>
<td>Stable/Increasing</td>
</tr>
<tr>
<td>Gulf Capelin (4R)</td>
<td>12,315</td>
<td>36,683</td>
<td>12,315</td>
<td>Unknown</td>
<td>Stable</td>
</tr>
<tr>
<td>NL Capelin (2J3KLPS)</td>
<td>30,496</td>
<td></td>
<td>30,496</td>
<td>Low</td>
<td>Stable-Decreasing</td>
</tr>
<tr>
<td>Mackerel</td>
<td>8,000(^1)</td>
<td>4,633</td>
<td>TBD</td>
<td>Critical</td>
<td>Increasing</td>
</tr>
</tbody>
</table>

\(^1\)Atlantic wide quota
• Declining shellfish stocks/quotas
• Resource issues in 3Ps
• Access to groundfish quotas as resource rebuilds
• Atlantic halibut shares regarding USA and France (St. Pierre et Miquelon (SPM))
• DFO approach to sustainable fisheries management and MSC requirements
• Federal Government Marine Conservation Targets
• Laurentian Channel MPA
• Ocean Task Group under CCFAM
• Aquatic Invasive Species
• MPA Network Planning (NL Shelves Bioregion and Gulf Bioregion)
Responsibilities:

- Develop/implement policies and regulations related to fish buyers and processors licences.
- Administer the licensing system and database.
- Invoice and collect licence fees and administrative penalties.
- Collect statistics related to fish processing activity in the province, under the authority of the *Fisheries Act*.
- Secretariat to the Fish Processing Licensing Board.
- Maintenance and delivery of the Quality Assurance Program.
- Manage and direct enforcement activities under the Fish Inspection Act and the Aquaculture Act.
- Provide policy direction/support to regional inspection staff in delivering compliance and enforcement programs (includes development and delivery of the Quality Compliance and Enforcement Program).
- Regional Responsibilities, including frontline support for administration and implementation of programs and liaising with indigenous governments and groups.
Licencing, Inspections and Quality Assurance

Policy Objectives:
- Provide conditions for a stable and competitive processing sector to exist with minimal public support.
- Promote employment levels that provide adequate incomes.
- Promote cooperation in the industry that enhances product quality and optimizes total returns from processing available resources.
- Seek regional balance of resource availability and processing capacity.
LICENSING POLICY

- **Species licensing** - all fish processing licenses will indicate which species and species categories the license holder may purchase and process.

- **Maintenance requirements** - for a primary processing facility to maintain its authorization to process a species category, it must have produced a minimum round-weight-equivalent volume of production for that species category in one of the two consecutive calendar years.

- **Minimum Processing Requirements**: ensures that the raw material must be transported to the license holder’s processing facility and provides assurance that there will be employment opportunities for plant workers during the fishing season.

- **Resource Threshold**: refers to the average volume of raw material of a species category that must be available per year per active processing license before additional processing facilities may be eligible to be considered for a new authorization for the species category in question.
FISH PROCESSING LICENCES

- A licence is required for fish processing/buying.
- The *Fish Inspection Act*, its associated Regulations, and the department's Fish Processing Licensing Policy Manual govern these activities.
- Licence categories include:
  - Fish Buyer’s;
  - Primary Processing;
  - Secondary Processing;
  - Aquaculture Processing;
  - In-Province Retail Fish Establishment Processing;
  - Value-added Processing;
  - Handling and Grading; and
  - Research and Development.
FISH PROCESSING LICENSING BOARD

- An arms-length body established to make recommendations to the Minister of Fisheries and Aquaculture on fish processing licensing matters.
- Established in February 2005, in accordance with the Fish Processing Licensing Board Act, and consists of five members appointed by the Lieutenant-Governor in Council. Board members are selected on the basis that they have no direct affiliation with a harvesting or processing operation.
- Applications directed to the Board must be publicly advertised to solicit responses from any interested persons.
- In assessing each application, the Board is guided by a number of criteria which are outlined in the Fish Processing Licensing Policy Manual.
- The Minister:
  o Provides the Board with licensing policy guidelines, criteria, and direction;
  o Receives and reviews recommendations from the Board on licensing applications and appeals; and
  o Publicly releases the Board’s recommendations and his/her final decisions on applications.
QUALITY ASSURANCE PROGRAM

- Introduced in 1996 to:
  - demonstrate a confidence in achieving a grade of excellence on a consistent basis for both our wild and farmed seafood products;
  - promote Newfoundland and Labrador as a leading producer of premium quality seafood products in the international marketplace;
  - promote quality consciousness throughout all sectors of the industry through training, workshops, seminars, etc.
Quality Assurance Program Features

- Expanded inspection effort
- Delivered regionally
- Focus on raw material but covers inspections on vessels through to retail outlets
- Quantify quality by applying industry accepted grade standards
- Complement role of the Canadian Food Inspection Agency
- Provide funding to develop systems that serve to maintain top quality
- Enhance the value of the fishery resource to both harvesters and processors
- Promote NL as leading producer of premium quality seafood products in the international marketplace.
KEY ISSUES

- Workforce Adjustment – Fish Processing Workers
- Fish Processing Licensing Board
- Minimum Processing Requirements/Exemptions
The Aquaculture sector is located on the North East and South Coast of the province.

FLR has two divisions that work to develop aquaculture in the province:

- Aquatic Animal Health Division
- Aquaculture Development Division
Why Aquaculture in NL?

- Last area for large scale development in Eastern North America
- Business-friendly licensing process
- Build on lessons from other regions
- Supportive government with internal capacity
- Aquaculture:
  - Provides rural and long-term employment
  - Brings in export dollars
  - Creates sustainable industry
GROWTH IN NL AQUACULTURE

- 2016 salmonid production and value estimate
  - 25,411 tonnes
  - $263 million market value

- Mussel production in 2016
  - 3,211 tonnes
  - $13 million value
Canada/NL Aquaculture MOU

- Aquaculture governance is a federal/provincial responsibility
- MOU outlines respective areas of responsibility as follows:

**NL Responsibilities**
- Licensing
- Industry development
- Inspection and Enforcement
- Records Management
- Statistics collection
- Property rights
- Technical requirements
- Fish Health – oversees diseases of NL economic concern; assists with management of Reportable Diseases

**Federal Responsibilities**
- Fish Habitat
- Conservation and protection of wild stocks
- Fish Health
  - CFIA – Reportable Diseases of Import/Export concern
  - DFO – Regional Diseases
- National Shellfish Sanitation Program

- *Fisheries Act* changes allow amendments to jurisdictional responsibility agreements; active negotiating ongoing
Atlantic Canada Aquaculture Development MOU

- Signed in 2008 to promote harmonizing of aquaculture governance in Atlantic Canada
- NB and NL were the lead drivers
- Current MOU initiative include:
  - Aquatic Animal Health
  - Policy and regulatory Harmonization
  - Licensing and leasing
- Atlantic Canada has a vested interest in aquaculture
- Positive work relationship has developed
THE NL AQUACULTURE INDUSTRY

- Two major regions in the province:
  - Shellfish – Northeast coast; Notre Dame Bay
  - Salmonids – South Coast; Bay D’Espoir

- Direct employment in 2016 was 425
  - Site operations and hatcheries only

- Processing Employment at salmonid plants is currently 214
  - Plants operate year round
AQUACULTURE: AQUATIC ANIMAL HEALTH DIVISION

- To monitor and maintain the health of the aquatic species cultured in the province of Newfoundland and Labrador as governed by the Newfoundland and Labrador Aquaculture Act.

- Veterinary medicine is governed by the Newfoundland and Labrador Veterinary Medical Act.
AQUACULTURE: AQUATIC ANIMAL HEALTH DIVISION

- Director/Chief Aquaculture Veterinarian
- One Aquaculture Veterinary Epidemiologist
- Two Aquaculture Veterinarians (*one vacant*)
- One Laboratory Manager
- One Animal Health Technologist
- Two Veterinary Aquaculture Technicians
- One Veterinary Field Technician
- One Biosecurity Auditor

= 10 staff total
AQUACULTURE: AQUATIC ANIMAL HEALTH DIVISION

- Specialized and highly technical field of veterinary medicine
- Professionals are licensed by regulatory bodies
- Require relevant continuing education to maintain licensure
- Additional education and training required to complete daily duties
AQUACULTURE: AQUATIC ANIMAL HEALTH DIVISION

Infrastructure:

- **3 laboratories** with various levels of diagnostic capacity
  - St. John's, Grand Falls-Windsor, St. Alban's
- **Centre for Aquaculture Health and Development** (St. Alban's)
  - $8.8 million
  - Multidisciplinary laboratory and live animal holding facility for applied research
  - Diagnostic laboratory health work for Industry, Academia, levels of Government, biosecurity auditing and applied research for aquatic animal health issues that may be encountered
  - Currently CFIA AQC2 certified
  - Future certification – ISO 17025, AQC3
Responsibilities:

- Province wide emergency and routine **on-call** services
- Province wide emergency and routine biosecurity **audits**
- Province wide **pretransfer** assessments
- Province wide reportable and emerging **disease surveillance**
Aquaculture: Aquatic Animal Health Division

Programs:
1. Active and Passive Surveillance
   • Surveillance program developed using epidemiological principles

2. Biosecurity Auditing
   • Resident biosecurity auditor, aquaculture veterinary oversight
   • Processing plants, marine cage sites, hatcheries, wharves, equipment

3. Introductions and Transfers
   • New Certificate of Health For Transfer (CoHFT) initiated by Newfoundland and Labrador to be implemented by Atlantic Provinces
   • Robust sampling program based on epidemiological principles
Aquaculture: Aquatic Animal Health Division

Programs:
4. Epidemiologic Initiative:
   - Overseen by the Veterinary Epidemiologist
   - Examples:
     - Targeted active surveillance program
     - CoHFT sample surveillance program (RBSA)
     - Reportable disease contingency planning
     - Clinical field trials (vaccine trials)
     - Bay Management Area development/refinement
     - Systematic reviews
     - Meta-data analysis
Aquaculture: Aquatic Animal Health Division

Programs:

5. Integrated Pest Management Plan
   - In NL, currently implemented for Sea Lice
     - FishiTrends, Sea lice treatment bioassays, Industry training, Research and Development

6. Laboratory Diagnostic Testing
   - Necropsy, microbiology, histopathology, virology, IFAT, UPLC and PCR

7. Oceanographic Initiative
   - Lease of Marine Institute vessel in previous years (annual investment by GNL ranging from $250,000 - $350,000)
   - Funds in 2017-18 provincial budget allocated for purchase of AD vessel to assist
Aquaculture: Aquatic Animal Health Division

Programs:

8. Veterinary Student Training
   The AAHD is recognized by the Atlantic Veterinary College as a teaching institution Atlantic Veterinary College Students

9. Industry and Interdepartmental Training and Education
   - Industry
     o Biosecurity, Sea Lice, Aquatic Animal Health seminars
   - Memorial University/Ocean Sciences Centre/ Marine Institute
     o Graduate programs, Advanced Diploma in Sustainable Aquaculture, MI Industry Workshops
   - Federal Agencies (Fisheries and Oceans Canada, Canadian Food Inspection Agency)
Aquaculture: Aquatic Animal Health Division

Programs:
10. Laboratory Accreditation
   • Recognized as the standard for which labs must hold accreditation in order to be deemed technically competent
   • The Laboratory Information Management System (LIMS) has been a long term departmental investment that allows the AAHD to log and track samples/results and contributes to ISO 17025 accreditation
   • LIMS is crucial for the following reasons:
     • Clinical service efficiency
     • QA/QC
     • Communication with other laboratories such as the National Aquatic Animal Laboratory Network System
     • Allow for efficient data mining
     • Epidemiology information will be more readily available
Bay Management Areas (BMAs)

- Oceanographic data and applied epidemiology (Programs 4 and 7) also inform the development and refinement of ecosystem-based Bay Management Areas (BMAs).
- Bay Management Areas are used throughout the world to enhance biosecurity, determine areas of disease freedom, coordinate treatments, maintain a single year class, and control/mitigate disease outbreaks.
- A BMA agreement with the salmonid aquaculture industry was signed and implemented in January 2014 and only applies to salmon growing areas on the South Coast.
KEY ISSUES

- Sea Lice
- Infectious Salmon Anaemia
AQUACULTURE DEVELOPMENT DIVISION

Responsible for sustainable development of the aquaculture industry through the provision of:

- Environmental Planning and Assessment for Sustainable Aquaculture
- Extension Services in Support of Industry growth
- Financial Support Programs to Encourage Private Investment and Grow the Industry
- Opportunity development
- Investment prospecting: Attraction of both aquaculture companies and supply and service sector companies.
Aquaculture Development Division

Staff
- Director Aquaculture Development (CAHD)
- One Environmental Scientist (GFW)
- Two Aquaculture Development Officers (1 CB; 1 CAHD)
- One Salmonid Aquaculturist (CAHD)
- One Shellfish Aquaculturist (GFW)
- One aquaculture technician (CAHD)
- One aquaculture wharf technician (CAHD)
- Two clerical support (1 GFW; 1 CAHD)

Three Locations
- Grand-Falls Windsor (GFW):
  - Main Office
- St. Alban’s (CAHD):
  - Center for Aquaculture Health and Development
- Corner Brook (CB):
  - Satellite Office
Aquaculture Development Division

Environmental Planning and Assessment for Sustainable Aquaculture

- Conduct comprehensive reviews of all aquaculture license applications for technical, economical and environmental sustainability.
- Coordinate reviews of transfer requests to move fish into and around the province.
- Implements, monitors and inspects in accordance with the Code of Containment
- Participates in Federal/provincial committees regarding aquaculture
- Leads and implements the provincial Aquaculture Waste Management Action Plan
Aquaculture Development Division

Extension Services

- Environmental/biological monitoring Program (EBMP).
  - Shellfish specific program with over 20+ years of data
  - Assists in industry maintaining access to market and organic certification

- Aquatic invasive species monitoring.
  - Tied into the EBMP – protects shellfish industry.
  - Collaborate with DFO in monitoring and removal as necessary.

- Alternative Site Assessment work
  - Evaluates sites around the province for their suitability for aquaculture development
  - Data gathering is ongoing and often coincides and is complimentary with oceanographic work for BMA delineation.
Aquaculture Development Division

Extension Services
Oceanography Data Collection (Bay Management Area delineation)

- BMAs enhance biosecurity & environmental integrity and enhanced aquaculture siting strategies.
- FLR has initiated an intense data collection effort utilizing a Marine Institute research vessel to collect oceanographic data to inform BMA's since 2012.
- Responsible for equipment acquisitions, maintenance/gear set-up, deployments and retrieval of equipment for data collection, and provides direction regarding areas of the province that are targeted for development.
- Funds were allocated in the 2017-18 provincial budget to ADD to purchase a vessel capable of multi-beam bottom mapping and drifter/drogue deployment as well as conduct alternative site assessment work.
AQUACULTURE CAPITAL EQUITY PROGRAM

- Provides equity investment for capital expansion
- Minimum investment
  - $250,000 for finfish operators
  - $100,000 for shellfish operators
  - Match a private sector cash investment
- Maximum investment 50%
- AG review of Program in December 2014
NL SUSTAINABLE AQUACULTURE STRATEGY

- Released in December 2014
  - Will serve as the guidance document for sustainable industry development and management over next five years

- Developed with stakeholder and public input
  - Consultations in November 2013
  - Public input from online questionnaire
  - What we Heard document allowed for further comment

- Identified 3 strategic priorities:
  - Sustainable Management
  - Support Capacity
  - Research and Development
MESSAGE FROM THE MINISTER

In accordance with government’s commitment to transparency and accountability, I am pleased to submit to the House of Assembly and the people of Newfoundland and Labrador the Department of Fisheries and Land Resources (FLR) 2017-20 Strategic Plan. As Minister of Fisheries and Land Resources, I am accountable for the preparation of this plan and the achievement of the goals and objectives contained herein.

As a Category 1 Government Entity under the Transparency and Accountability Act (the Act), FLR is required to plan at an outcomes level and table a strategic plan every three years. This document identifies the key areas the department will focus on during the planning period. These are developed in accordance with the Act as well as careful consideration of the strategic directions of government, commitments to a stronger economic foundation as outlined in The Way Forward, and the department’s mandate and fiscal resources.

Through the goals and objectives outlined in this strategic plan, the department will further contribute to its vision of sustainable renewable resources and protected natural areas that are responsibly developed for the social, cultural, ecological, and economic well-being of the province.

Honourable Steve Crocker
Minister of Fisheries and Land Resources
The Department of Fisheries and Land Resources (FLR) is a Category 1 government entity under the Transparency and Accountability Act. Its main responsibilities include: the licensing and regulation of the province’s fish processing sector; promoting the continued development and diversification of competitive and sustainable agriculture and agrifoods businesses; the effective and sustainable management and development of the province’s aquaculture sector; the stewardship of the province’s forest environments for the benefit of our citizens; and management of the province’s inland fish and wildlife, natural areas, and Crown land resources. In addition, the department is responsible for conservation, marketing, sustainable development, and diversification efforts for sectors under its mandate. Additional information can be found on the department’s website at http://www.flr.gov.nl.ca/.
Staff and Budget

The department has 972 employees, including temporary and seasonal staff. The department is headquartered in St. John's, with regional offices throughout the province to deliver its programs and services. For the 2017-18 fiscal year, the departmental budget is $98 million.

The department has four branches, with a staff complement as follows:

<table>
<thead>
<tr>
<th>Branches</th>
<th># of Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture and Lands</td>
<td>232</td>
</tr>
<tr>
<td>Enforcement and Resource Services</td>
<td>177</td>
</tr>
<tr>
<td>Fisheries and Aquaculture</td>
<td>87</td>
</tr>
<tr>
<td>Forestry and Wildlife</td>
<td>462</td>
</tr>
</tbody>
</table>

The remaining 14 are Executive and Executive Support.
Issue One - Food Self-Sufficiency and Security

Newfoundland and Labrador is currently approximately 10 per cent self-sufficient in its non-supply managed agrifoods requirements. In recent years, food security has become a concern, particularly when transportation routes to the province are interrupted. These conditions have highlighted the requirement to grow more food locally. It is critical that our province makes significant progress towards food security and self-sufficiency. Government has committed to increase the province’s food self-sufficiency to at least 20 per cent by 2022. In support of this, Government has already taken steps to increase the availability of Crown lands for agriculture purposes. Local agrifoods businesses produce quality food products, creating a secure food source. The department will support our industry to maintain the current level of production and assist in growing the industry as well.

For the period covered by this plan, the department will increase the province’s food self-sufficiency and security, largely through the development and implementation of a sector action plan. Other initiatives will include program review and providing opportunities for new entrants, as well as research activities that advance and diversify the agriculture sector. Efforts to address this issue align with The Way Forward commitment to focus on food production and increased food self-sufficiency.

GOAL:

By March 31, 2020, the Department of Fisheries and Land Resources will have increased the province’s food self-sufficiency.

Indicators:

- Completed a review of existing funding programs to create more opportunities to support new entrants in entering the agriculture sector.
• Implemented a new regulatory framework for agriculture development.
• Developed and implemented a sector action plan to support food security and agriculture growth.

Objective 1:

By March 31, 2018, the Department of Fisheries and Land Resources will have commenced activities to support increased food self-sufficiency and security.

Indicators:

• Completed a pilot project to undertake large-scale land development on priority areas of interest.
• Commenced transition of the Wooddale Tree Nursery to become a centre for agriculture and forestry development.
• Improved the Crown land approval process to create further opportunities for new entrants to the agriculture sector.
• Developed a sector action plan to support increased agriculture growth, food security and food self-sufficiency.

Objective 2:

By March 31, 2019, the Department of Fisheries and Land Resources will have continued activities to support increased food self-sufficiency and security.

Objective 3:

By March 31, 2020, the Department of Fisheries and Land Resources will have enhanced programs or initiatives to support increased food self-sufficiency and security.
Issue Two - Innovative and Sustainable Resource Growth, Development, and Diversification

The issue of innovative and sustainable resource growth, development and diversification comprises the second issue that the Department of Fisheries and Land Resources will concentrate on over the next three years. The renewable resource sectors supported by the department have traditionally been, and will continue to be, key employers and contributors to the provincial economy, particularly in rural areas. The long-term social, cultural, and economic sustainability of these resources are vital to the province, and produce numerous economic and social benefits.

In the aquaculture, forestry, and fishing industries particularly, the focus on industry sustainability is increasingly important given competitive global markets and increased consumer emphasis on the economic, environmental, and social sustainability of resource products. Innovative solutions are required to foster sustainability of the current renewable resource industries and enable continued expansion. A transition in fisheries resource availability, with expectations of greater activity in the groundfish sector of the fishing industry, will require actions that support all stages of the value chain, from harvesting to processing and marketing, to maximize the value of available resources.

The Department is committed to innovation, development, and diversification to spur growth, while protecting and ensuring sustainable management of our resources. The department is also committed to developing environmentally-friendly and sustainable industries and the protection of resources and natural areas, including Crown lands, wildlife, and inland fish.
For the period covered by this plan, the department will support the growth of the aquaculture and forestry industries by implementing measures to increase the utilization of water area for aquaculture production, improve aquaculture production capacity, and increase the allocation of commercial timber available for harvest. It will also support research and development opportunities, as well as value-added product development, which involves using various methods to enhance the value of raw natural resource products. Efforts to address this issue align with the strategic directions of Government and contribute to focus areas including: sector growth, development, and modernization; research and development; market development; resource protection and sustainability, and natural area protection. This work also contributes directly to specific commitments in The Way Forward, including supporting growth of the aquaculture industry to 50,000 metric tonnes annually for salmon and 10,750 metric tonnes annually for mussels. The Cabinet Committee on Jobs has also initiated the formation of an aquaculture steering committee to partner with the aquaculture industry in developing a work plan which will address opportunities and challenges specific to the sector.

**GOAL:**

By March 31, 2020, the Department of Fisheries and Land Resources will have supported the innovative and sustainable growth, development, and diversification of renewable resource sectors.

**Indicators:**

- Supported research and development including the areas of biorefining, engineered wood products and waste management.
- Supported development of value-added products.
- Supported increased aquaculture production capacity.
- Increased the percentage of the Crown Annual Allowable Cut available through Timber Sale Agreements.
• Developed or revised, as appropriate, legislation, policies, and programs to optimize the value of provincial seafood resources.

• Developed and implemented wildlife management plans and guidelines for sustainable development.

Objective 1:

By March 31, 2018, the Department of Fisheries and Land Resources will have commenced activities to support the sustainable growth, development and diversification of renewable resource sectors.

Indicators:

• Worked to complete action items under the Provincial Sustainable Forest Management Strategy related to forestry industry research and development.

• Advanced fruit and vegetable propagation and research activities.

• Supported quality harvesting, processing, and marketing initiatives in renewable resource sectors.

• Offered five per cent of the Crown Annual Allowable Cut through Timber Sale Agreements.

• Developed a Commercial Timber Allocation Policy.

• Established aquaculture licence criteria to maintain active licences.

• Assisted the Fisheries Advisory Council in its development of a strategic action plan on cod revitalization.

• Reviewed legislation, policies, and programs to optimize the value of seafood resources.
Objective 2:

By March 31, 2019, the Department of Fisheries and Land Resources will have developed and implemented initiatives to support the sustainable growth, development and diversification of renewable resource sectors.

Objective 3:

By March 31, 2020, the Department of Fisheries and Land Resources will have continued activities to support the sustainable growth, development and diversification of renewable resource sectors.
Annex A: Strategic Directions

Strategic directions are the expressions of desired physical, social, or economic outcomes that would normally require action by, or involvement of, more than one government entity. These directions are generally communicated by government through platform documents such as The Way Forward, the Speech from the Throne, annual budget speeches, policy documents, and other communiqués. The Transparency and Accountability Act requires departments and public bodies to take into account these strategic directions in the preparation of their performance-based plans.

**Strategic Direction #1:** Sustainable management of renewable resources.

**Outcome:** The Department of Fisheries and Land Resources will have supported the sustainability and protection of our renewable resources.

This outcome supports the policy direction of government and will require focus in the following areas:

- Resource Protection and Sustainability
- Research and Development
- Natural Area Protection

**Strategic Direction #2:** Economic growth and diversification of renewable resources.

**Outcome:** The Department of Fisheries and Land Resources will have supported economic growth and diversification in the Aquaculture, Agriculture, Fisheries and Forestry sectors.
This outcome supports the policy direction of government and will require focus in the following areas:

Sector Growth, Development, and Modernization
Transition to Groundfish
Research and Development
Market Development
Food Production and Increased Food Self-Sufficiency
Annex B: Inactive Entities

There are 22 Category 3 entities which report to the Minister of Fisheries and Land Resources. In addition, a Disciplinary Board, which may be established if necessary under the authority of the Professional Fish Harvesters Act, has not been established to date. If a Disciplinary Board is established, it will report to the Minister and it will table an Activity Plan and subsequent Annual Performance Report in compliance with the Transparency and Accountability Act.

The following inactive entities are Category 3 public bodies which report to the Minister of Fisheries and Land Resources and were inactive for either the period April 1, 2016 to March 31, 2017 (for fiscal year end entities) or January 1, 2016 to December 31, 2016 (for calendar year end entities). In the event that any of these public bodies becomes active, it will prepare and table an Activity Plan and subsequent Annual Performance Report in compliance with the Transparency and Accountability Act.

Forest Land Tax Appeals Board
Newfoundland and Labrador Farm Products Corporation
Timber Scalers Board
<table>
<thead>
<tr>
<th>Action Number</th>
<th>Action Title</th>
<th>Deliverable</th>
<th>Lead Department</th>
<th>Supporting Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action 2.1</td>
<td>Place Private Sector Job Growth at the Centre of All Government Decisions</td>
<td>Mandate new Cabinet Committee on Jobs</td>
<td>EC</td>
<td>AESL, FLR, FIN, HCS, NR, TCI, MAE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seek advice of provincial leaders, including private sector labour</td>
<td>EC</td>
<td>AESL, FLR, FIN, HCS, NR, TCI, MAE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>representatives and members of the province's business community</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Report on how actions help create stronger conditions for economic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and private sector job growth in NL - ALL DEPARTMENTS &amp; MINISTERS</td>
<td></td>
<td>All other Core GNL Entities</td>
</tr>
<tr>
<td>Action 2.17</td>
<td>Support Growth of the Aquaculture Industry to 50,000 MT Annually for Salmon</td>
<td>Take measures to keep applications active and free up water area for</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td>and 10,750 MT Annually for Mussels</td>
<td>aquaculture development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Establish new criteria to keep aquaculture licenses and applications</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>active</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.18</td>
<td>Increase Timber Allocations and Harvest Levels by 20 per cent by 2020</td>
<td>Develop and Implement the Commercial Timber Allocation Policy and</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>communicate it to existing permit holders and new industry participants</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Award five per cent of the Crown Annual Allowable Cut through Timber</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sale Agreements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.19</td>
<td>Increase Newfoundland and Labrador's Food Self-Sufficiency to at Least 20 per</td>
<td>Modify and enhance the Wooddale Tree Nursery to become a Centre</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td>cent by 2022</td>
<td>for Agriculture and Forestry Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Improve the Crown land approval process to create further opportunities for</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>new entrants to the agriculture sector</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete a pilot project to undertake large-scale land development on</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>priority areas of interest</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete a review of existing funding programs to create more opportunities</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to support new entrants in entering the agriculture sector</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Initiate a complete regulatory review of all statutes related to the</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>agriculture sector with the aim of modernizing the legislation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.20</td>
<td>Transition to Groundfish</td>
<td>Finalize the membership and terms of reference for the Fisheries</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Advisory Council</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Work with the Fisheries Advisory Council on an action plan for cod</td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>revitalization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.35</td>
<td>Reduce the Number of Government Agencies, Boards and Commissions by 20 per</td>
<td>Make progress on reducing the number of ABCs</td>
<td>EC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>cent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.36</td>
<td>Adopt a Flatter, Leaner Management Structure in Government Agencies, Boards</td>
<td>Work with ABCs to optimize the number of direct reports to managers,</td>
<td>EC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and Commissions</td>
<td>directors and executive members based on the nature of the service</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and clientele and to limit duplication of management personnel in</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>those organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action 2.47</td>
<td>Reduce Red Tape and Publish Service Standards for Major Programs</td>
<td>Commence the roll out of Lean process improvements</td>
<td>EC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Expand the number of Lean projects on-going in departments</td>
<td>EC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Explore establishment of a Lean certification program within the public</td>
<td>EC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>sector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WF Target</td>
<td>Increase annual water area available for production by 50,000MT for the</td>
<td></td>
<td>FLR</td>
<td>JPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>salmon industry and by 10,750 for the mussel industry</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>