

2022-2023

ANNUAL REPORT

**Fisheries, Forestry
and Agriculture**



MESSAGE FROM THE MINISTER

It is my pleasure to present the 2022-23 annual performance report for the Department of Fisheries, Forestry and Agriculture. This report was prepared in accordance with the **Transparency and Accountability Act** requirements for a category one government entity and details the progress made towards achieving the objectives outlined in our 2020-23 strategic plan. As Minister, I am accountable for the results contained within.

The members of this department made significant progress on our goals. In addition to many highlights, the department successfully met its objectives; this is evident through meeting the required indicators.

Departmental employees continued to work towards sustainable growth in Newfoundland and Labrador's renewable resources industries. A few highlights were: doubled food self-sufficiency in fruit and vegetable production; \$1.2 billion in seafood sales in 2022; a new joint federal funding program for agriculture; consultations on the **Animal Health and Protection Act**; continued access to domestic and commercial wood resources; Crown Lands' new service-oriented website and consultations on adverse possession; as well as a number of investigations by Resource Enforcement Officers into poaching, environmental and safety violations.

Fishing, forestry, and farming are traditional sectors in this province and we continue to work hard with industry, government, community, as well as other stakeholders. Thank you to the valued employees of the department as well as our many partners. Together, we are delivering our programs and services more effectively so that we can pass on strong industries to future generations of Newfoundlanders and Labradorians.

Sincerely,

A handwritten signature in black ink that reads "Elvis Loveless". The signature is written in a cursive, flowing style.

Hon. Elvis Loveless

Minister of Fisheries, Forestry and Agriculture

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Departmental Overview

Organizational Structure

The Department of Fisheries, Forestry and Agriculture (FFA) is a category one government entity under the **Transparency and Accountability Act**. FFA supports and encourages the development and sustainability of the province's fishing, aquaculture, agriculture and forestry industries, as well wildlife, resource enforcement and administration of Crown lands. Its main responsibilities include:

- Licensing and regulating the province's fish processing sector, as well as wildlife, forestry and land resources;
- Supporting the strategic development of the fishing industry as a key pillar of economic growth;
- Promoting the further development and diversification of competitive and sustainable agriculture businesses;
- Managing the province's timber resources and forest industry to develop and sustain it as an economic pillar in the province;
- Effectively and sustainably developing, managing and licensing the aquaculture sector;
- Conserving, protecting and responsibly managing inland fish, wildlife, forestry and land resources;
- Providing emergency response services related to fire suppression and wildlife control/vehicle collisions; and
- Delivering education and awareness around the province's natural resources.

Additionally, FFA is responsible for conservation, marketing, sustainable development and diversification efforts for sectors under its mandate. For additional information, please visit the departmental website at: <https://www.gov.nl.ca/ffa>.

Staff and Budget

As of March 31, 2023, the department has 977 positions and 594 employees (seasonal positions begin work later in the spring). For the 2022-23 fiscal year, FFA's gross budget was \$87,543,700.

Branch	Number of Employees	Budget
Agriculture and Lands	149	\$29,357,700
Enforcement and Resource Services	137	\$11,014,700
Fisheries and Aquaculture	88	\$12,174,800
Forestry and Wildlife	211	\$32,337,800
Executive and Executive Support	9	\$2,658,700
Total Department	594	\$87,543,700

The department is headquartered in St. John's and has 83 offices located in 45 communities throughout the province.

Vision

The vision of the Department of Fisheries, Forestry and Agriculture is that of sustainable renewable resources that are responsibly developed for the social, cultural, ecological and economic well-being of the province.

Mandate

The mandate of the Department of Fisheries, Forestry and Agriculture includes:

- Development and growth of renewable resources including fisheries, aquaculture, inland fish and wildlife, agriculture and forestry for optimum sustainable economic benefit to the province as well as its ecological integrity.

- Conservation and protection of the province's inland fish, wildlife, wildlife habitat, forestry and land resources.
- Administration of Crown lands as a social and economic resource for the province.
- Regulation of, and compliance and enforcement activities for animal health and protection, food safety, aquaculture, agriculture, fish processing, inland fish, wildlife, and forestry.

Lines of Business

Animal Health:

FFA's Animal Health Division provides mobile clinical routine and emergency veterinary services to livestock and poultry owners across the province. Additionally, it conducts diagnostic laboratory testing in support of farm animal veterinary services and provides regulatory pre-processing food safety and quality testing. The division conducts disease surveillance to monitor, identify and control animal diseases of public health and economic importance.

FFA's Aquatic Animal Health Division provides veterinary services and regulatory oversight of the aquaculture industry on behalf of the department. It supports the aquaculture industry by conducting active and passive surveillance, epidemiological studies, applied research and analysis.

Education and Awareness:

FFA provides activities to promote education and awareness around the province's natural resources. For example, the Department provides training programs such as firearm safety and hunter and trapper education courses. It also promotes fire education, prevention and mitigation to help increase public awareness and reduce the threat of wildfires. Furthermore, FFA is responsible for the development and implementation of environmental education programs. The Department manages and

administers the programs at Salmonier Nature Park, which serves as a wildlife rehabilitation, interpretation and research facility. Finally, FFA provides education on seafood quality to processors and harvesters and educates our youth and the public about our fisheries and oceans.

Within the agriculture sector, FFA invests in awareness and public trust initiatives in the food system, such as agriculture fairs, Canada's Agriculture Day, Agriculture in the Classroom and Canadian Agriculture Literacy Month. FFA also administers public awareness programs (e.g., presentations to schools, service clubs, etc.) addressing public concerns on forest resource management issues, developing district sustainable forest management plans and producing materials and organizing events that promote the sustainability of our fisheries and oceans.

In addition to specific education and awareness activities, FFA also provides services and support to the public and Provincial Government departments and agencies through Crown lands administration, Geographic Information Systems (GIS) and Mapping (e.g., a map and air photo library service), Provincial Land Use Atlas, Crown Lands Registry, and the provision of topographic base maps and the geodetic reference system for legal and engineering surveys.

Licensing/Permitting:

FFA is responsible for the licensing and permitting and the development and implementation of policies and regulations related to each type of licence, such as fish processing, fish buyers and restricted buyers. Under the authority of the **Fish Inspection Act** and the **Fish Processing Licensing Board Act**, Fish processing licensing policies and procedures are used to support the Fish Processing Licensing Board to review and make recommendations to the Minister on all fish processing licensing requests.

As the lead agency for aquaculture licensing in the province, FFA manages an extensive aquaculture licensing program under the authority of the **Aquaculture Act**. The one-stop licensing program involves extensive internal review, along with a coordinated process involving input from relevant provincial and federal agencies as well as any relevant organizations. FFA licenses fur farms under the **Animal Health and Protection Act** and Regulations; and it licenses abattoirs under the **Meat Inspection Act**.

Under the authority of the **Wild Life Act** and **Forestry Act**, FFA also issues hunting, inland fishing, and trapping licences, Newfoundland and Labrador guide licences, permits for the non-consumptive use, possession, importation and export of wildlife. It issues licences and permits for commercial or domestic timber cutting, commercial or domestic sawmilling, burning, operating during the fire season, timber export, the purchase of timber, protection of livestock from wild animals, bear protection, replacement of a big game licence, removal of nuisance animals, game export, temporary outdoor identification cards, possession for taxidermy, transport of firearms and fur bearer export.

Finally, under the authority of the **Lands Act**, FFA issues licences and other forms of title such as grants, leases and easements for an array of other purposes such as: cottages, agriculture, commercial resource based cabins, sawmill sites, pastures, residential uses, commercial ventures, trails, boathouses and wharves.

Inspection, Compliance and Regulatory Enforcement:

FFA conducts comprehensive inspection, compliance and enforcement duties for the fishing and aquaculture industries within its legislative authority. Fisheries Field Representatives (FFR's) conduct inspections at fish buying stations, points of export, processing plants, aquaculture sites, dockside and on board vessels throughout the province. Additionally, FFA is responsible for auditing fish buyers and processors

located throughout the province to ensure compliance with legislation, regulations, policies and conditions of licences.

Enforcement services include resource enforcement, which focuses on protecting the province's valuable wildlife, inland fish, and forestry resources through the enforcement of provincial and federal laws and regulations relating to them. FFA also uses compliance and enforcement as a tool in forestry management delivered by conservation officers located at various regional and district offices across the province. In agriculture, the Farm Industry Review Board addresses compliance issues under the **Natural Products Marketing Act** and the **Farm Practices Protection Act**.

Additionally, FFA enforces lands legislation and addresses incidents of unauthorized use and occupation of Crown lands.

Marketing:

FFA provides marketing support services to fish, seafood, and agri-foods industries in the province. The department collaborates with industry, stakeholders and the Federal Government, providing innovative and collaborative solutions for market development, support and intelligence. FFA also offers a wide range of programs and services aimed at maximizing production and market development to increase market awareness and demand in domestic and international markets.

In the agri-foods sector, FFA supports the development of primary and secondary products of animal and plant-based industries, specializing in professional extension support through the delivery of training. FFA also evaluates, recommends, and implements new opportunities for primary and secondary agri-foods products as well as developing new markets and products.

Resource Research and Development:

FFA assists the fishing, aquaculture, agriculture and forestry industries through the provision of technical and financial support in development. Innovation within these sectors is fostered through extensive interaction with the private sector, industry-related organizations, other government departments and academia. FFA also delivers the Atlantic Fisheries Fund (AFF), which is a contribution program funded jointly by the federal-provincial-territorial governments. This fund invests more than \$400 million over seven years to support Canada's fish and seafood sector.

FFA is responsible for the sustainable and orderly development of the aquaculture industry. The department oversees the administration, licensing, planning, development and delivery of aquaculture policies and programs, creating new economic opportunities, including the Aquaculture Capital Equity Program (ACEP) and promoting public trust. Additionally, FFA collects and monitors biological and environmental data to follow biophysical data trends on existing aquaculture sites and new growing areas to support sustainable industry expansion.

FFA offers business development programs and advisory services to the agriculture and agri-foods industry. The Provincial Agrifoods Assistance Program (PAAP) provides non-repayable financial support to further strengthen and grow the agricultural sector including investment in agricultural land development and infrastructure to support food self-sufficiency. The Community Garden Support Program provides financial assistance to community organizations, municipalities, and schools to establish new community gardens or expand existing gardens. FFA also delivers the new Sustainable Canadian Agricultural Partnership (SCAP), a federal-provincial cost-shared program, that provides investment to strengthen domestic market development, agriculture innovation and growth, risk management, environmental sustainability and climate change, value-added agriculture and agri-food processing, and public trust. FFA offers business advisory services to new entrants and existing farmers to research and analyze opportunities to increase profitability and competitiveness in the Newfoundland and Labrador agriculture industry.

FFA's forest management programs assist in the development of forest-related research programs and science capacity in the province, which is consistent with themes of the Provincial Sustainable Forest Management Strategy.

Through its agriculture research and development programs, FFA also carries out applied research and development to build science-based knowledge and innovation capacity around crop production, soil health and nutrient management. Primary research and demonstration activities are intended to grow and diversify the agriculture industry through collaborative efforts between industry, provincial and federal governments and academic institutions to ensure the science is applicable for use on Newfoundland and Labrador farms.

Sustainable Resource Management:

FFA works to ensure a balance between environmental, economic and social values with management plans and programs that safeguard viable resources that are economically sustainable and provide employment.

FFA offers a number of programs and services in the areas of land resource stewardship, forest management, geographic information systems, mapping and land use management. It designates and manages wildlife areas and is responsible for the administration and management of the Province's Crown land resources.

The department's forest management and protection programs include: sustainable forest management planning, silviculture, resource roads construction, forest inventory, forest fire suppression, forest insect control, and maintaining Environmental Management System ISO 14001 certification for forest harvesting operations on Crown land. The fire suppression program, along with FFA's wildlife control programs, are also important public safety programs.

FFA contributes to the sustainable management of our adjacent fish resources by providing input into federal decision-making processes to ensure the province receives maximum benefit from the resource. FFA also plays a significant role in the sustainable management of our coastal and ocean resources through strong collaborative relationships with other federal and provincial departments, as well as industry stakeholders and academia.

FFA ensures the sustainable management of game species to provide important social and economic benefits. Harvest of game species provides employment through outfitting and recreational activity by residents. Game species also play an important role in food security, especially in rural areas. Programs supporting this management include aerial big game surveys, collection of hunter harvest information, small game and inland fish research, and the big game draw system.

Conservation:

FFA is responsible for sustainable management of the resources under its mandate and jurisdiction, such as our province's forest, agricultural and land resources. It protects and conserves the province's biodiversity, fish and wildlife resources and wildlife habitat. Additionally, FFA designates and manages wildlife areas to support conservation efforts. FFA is responsible for identifying, designating, developing and implementing recovery strategies for species at risk according to the **Endangered Species Act**.

Highlights and Partnerships

Highlights

- Following a Request for Proposals (RFP) for an Aquaculture Industry Expansion on the province's southwest coast, FFA announced Grieg Seafood Newfoundland as the successful proponent. The bays west area, from Bay d'Espoir west towards Burgeo and Port-aux-Basques, has the potential to

produce 15,000 to 20,000 metric tonnes of Atlantic salmon and create employment and economic development, particularly on the island's southwest coast.

- On July 7, 2022, the Province introduced the Limestone Barrens Species at Risk Recovery Plan to guide recovery efforts for species at risk in some of the province's most unique habitats. The Plan includes measures to protect 10 endangered plant species found on limestone barrens on the Great Northern Peninsula and the Port au Port Peninsula. Three of these species are endemic, with the Great Northern Peninsula being the only place they are found in the world. Nine are listed as Endangered under the **Endangered Species Act**, and one is listed as Threatened.
- On July 13, 2022, FFA introduced the 2022-26 Newfoundland and Labrador Moose Management Plan outlining how wildlife managers will use and publicly share the best scientific and social data available to ensure sustainable moose populations for future generations. The new plan outlines meaningful and achievable objectives that will have a real impact on the quality of moose management in the province while also bringing a new level of transparency and establishment of key opportunities to improve moose management.
- Due to the success of the recent pilot program allowing registered food banks to collect and distribute big game meat, FFA announced amendments to the **Wild Life Act**, which streamline the documentation process for big game hunters who donate meat to registered food banks. These amendments are part of a responsible management approach that maintains healthy wildlife populations while continuing to provide hunters throughout the province with meaningful harvesting opportunities.
- The 2022 forest fire season was one of the most significant in recent history. During the 2022 forest fire season, FFA managed 103 forest fires that burned a

total of 23,886 hectares. These figures are significantly higher than the provincial 10-year average of 103 fires and 10,466 hectares burned. Of the 23,886 hectares burned, three significant forest fires in the central region of the island collectively named the Central Fire Complex, accounted for 22,647 (approximately 95 per cent) of the total hectares burned during the 2022 forest fire season. FFA launched a significant fire suppression action in response the Central Fire Complex and was successful in preventing catastrophic infrastructure damage.

- On December 8, 2022, FFA announced the launch of an updated, easy-to-navigate website that offers clients better access to Crown lands information and services. The website offers easier access for people seeking information regarding applying for Crown lands for personal, business, and government use; adverse possession; titles; lands available through public land draws and Requests for Proposals; Provincial Land Use Atlas; and other Frequently Asked Questions.
- On December 9, 2022, the Provincial and Federal Governments announced an \$800,000 investment that will help Country Ribbon Incorporated deliver larger quantities of fresh, local chicken to major retailers in Newfoundland and Labrador through the purchase of air-chill technology and secondary processing equipment. This project will increase the amount of local chicken sold in grocery stores across Newfoundland and Labrador and substantially improve food self-sufficiency in the province.
- The Canadian Agricultural Partnership is a \$3 billion, five-year (2018-2023) investment by federal, provincial and territorial governments to innovate, strengthen and grow Canada's agriculture and agri-foods sector. In the first four years, the partnership has committed approximately \$26 million to fund 558 agriculture projects in Newfoundland and Labrador.

Partnerships

- On January 25, 2023, FFA announced that the Provincial Government and the Newfoundland and Labrador Federation of Agriculture (NLFA) reached an agreement for the Provincial Government to invest \$2 million over the course of three years to drive agriculture workforce development and support the continued growth of this sector. This investment will support farmers and secondary processors in the agriculture sector to fine-tune their human resources needs and unlock new markets for their products. The NLFA will also start developing strategies to continue diversifying the province's agriculture industry by profiling employment opportunities in agriculture, and contributing to the development of additional agriculture-related studies at Grenfell Campus of Memorial University of Newfoundland (MUN) and the College of the North Atlantic.

Report on Performance

Issue 1 - Maximizing the Benefits of Renewable Resources

Renewable resources provide economic, cultural and recreational value for all Newfoundlanders and Labradorians. To ensure these benefits continue to provide value, renewable resources need to be protected and sustainably managed in a way that recognizes their cultural significance as well as the social, economic and recreational activities related to them. FFA's focus is on creating employment, exploring and supporting opportunities to fully utilize raw materials and create opportunities for more people to engage in traditional cultural and recreational activities such as hunting, wood-cutting, fishing and growing food.

FFA continues to pursue opportunities and remove barriers to facilitate sector growth by working collaboratively with industry. These measures help create favourable conditions for new and expanded business activity, thereby helping stimulate private sector

employment. As in prior years, FFA will continue to modernize legislation and policies to support continued industry growth.

Goal

By March 31, 2023, the Department of Fisheries, Forestry and Agriculture will have supported growth of renewable resources for the socioeconomic benefit of the province.

2022-23 Objective

By March 31, 2023, the Department of Fisheries, Forestry and Agriculture will have implemented additional measures to support the growth of renewable resource sectors for the socioeconomic benefit of the province.

Objective Indicators

- Enhanced sustainable forest and wildlife management.
- Strengthened capacity and implemented measures to adapt to climate change.
- Modernized and enhanced legislation to support growth and protection of renewable resource sectors.
- Fostered partnerships to support the growth of renewable resource sectors.
- Enhanced the fisheries and aquaculture industry to become more sustainable and viable.

Results

This table outlines planned versus actual results of the 2022-23 objective indicators set out in FFA's 2021-22 Annual Report.

Enhanced sustainable forest and wildlife management.

The Provincial Aerial Photography program is a program that collects, processes and distributes aerial photography for the province. The project area for the 2022 Aerial

Photography data acquisition program covered an approximate 19,500 square kilometres area in Western Newfoundland. This digital photography is the fundamental dataset used in updating the provincial spatial forest inventory. In 2022-23, 46 per cent of the contract was completed due to a combination of weather challenges and mechanical problems. The remainder of this work is anticipated to be completed by the end of the 2023 field season.

In 2022-23, FFA implemented monitoring and research programs to support the management and conservation of game wildlife. Data collected from the following programs supported the updated moose harvest quotas in the annual game management plan and informed the adjustment of wildlife related regulations:

- Completed caribou classifications for the entire province (17 Caribou Management Areas on the Island and three herds in Labrador).
- Completed Northern Peninsula caribou herd population estimate.
- Completed moose surveys for seven Moose Management Areas.
- Completed extensive caribou collaring programs on the island of Newfoundland and in Labrador (148 collars currently deployed).
- Surveyed George River Caribou Herd.
- Conducted Mealy Mountains Caribou Herd population estimate.
- Commenced Black Bear Tooth Collection program. This provided data on harvested bears including sex and age.

In an effort to improve the province's forest planning in 2022-23, FFA consulted with forest industry representatives to improve the province's timber modelling program to assess model functionality, efficiency and provide recommendations regarding future development. This consultation with industry marks a significant change in resource analysis as the province places more emphasis on lumber production.

In 2022-23, FFA continued its tree growth and yield program with information collected in forest management district's 2, 9, 10 and 12. The information collected

was used to refine timber supply projections which in turn increases the model accuracy and sustainability of our wood supplies.

To ensure that timber supply projections are accurate, the Province invested in 2,527 hectares of planting (3,377,801 seedlings); 850 hectares of site preparation and 69 hectares of plantation maintenance in 2022-23. Silviculturally treated areas will produce up to 10 per cent more wood fiber per unit area than naturally regenerated sites. FFA studied the feasibility of using drone technology to provide digital mapping of harvested areas to provide increased efficiency in silviculture treatment area layout.

To ensure the long term viability of Newfoundland and Labrador's forest industry and to maintain a sustainable wood supply, FFA in collaboration with the Canadian Forest Service treated over 140,000 hectares in 2022 as part of the Spruce Budworm Early Intervention Strategy.

In 2022-23, FFA completed 10.6 kilometres of resource road decommissioning, reclaiming approximately 15.9 hectares of forested land which aids in reducing the loss of productive forest land. Loss of productive forest land is the greatest contributor to declining wood supplies and instability in the forest industry. This initiative also serves to protect and restore wildlife values in harvest areas.

Strengthened capacity and implemented measures to adapt to climate change.

Through the AFF, the Government of Newfoundland and Labrador and Canada have invested in projects that analyze the population structure and migration patterns of Northern Cod and the marine environment and ecosystem in Shrimp Fishing Areas 5 and 6 to support sustainable fishing activities.

In 2022-23, the Canadian Agricultural Partnership (CAP) supported the development of 39 Environmental Farm Plans, enabling farmers to identify and better manage environmental risks, including such plans for 18 new entrants in the sector. The Environmental Sustainability and Climate Change Program invested over \$472,000 in

23 projects to support beneficial management practices and support climate change mitigation and adaption, such as an in-ground irrigation system for field crops.

The Agriculture Production and Research Division of FFA provides technical and advisory extension support to all agriculture commodities on beneficial management practices to assist farmers in this province mitigate environmental risks and adapt to a changing climate. In 2022-23, FFA actively engaged in both collaborative research with Grenfell Campus of MUN and conducted internally lead research with several demonstration and applied research projects, which focused on best management practices such as, nitrogen use efficiency, crop rotation, cover crops establishment all in efforts to reduce greenhouse gas emissions and increase carbon sequestration. FFA also completed projects that demonstrate irrigation and nutrient management to address agri-environmental issues such as drought and soil health.

FFA continued to offer soil analysis and nutrient management advice at the Division's Provincial Soil, Plant and Feed Laboratory. The Limestone Subsidy Program is another government effort to improve soil quality so that added nutrients are able to be utilized more efficiently and nitrogen loss is minimized.

Over the course of the 2022-23 fiscal year, FFA implemented several measures to adapt to and mitigate the impacts of climate change.

- FFA continued its provincial tree improvement program by collecting site information which will provide an ecological base line to measure against changes in tree growth and mitigate changes in tree species' response to climate change.
- To mitigate any change in tree growth or species distribution, FFA participated in the Atlantic Tree Improvement program which will assess tree response to climate change for various tree species from each Atlantic province. Certain tree species from each province were planted throughout the Atlantic provinces to assess response to a changing climate.

- FFA collaborated with various municipalities and Environmental Non-Governmental Organizations (ENGO's) to distribute approximately 50,000 tree seedlings throughout the province for planting in urban settings to support efforts to combat climate change.
- To adapt to possible increases in forest fires due to climate change, FFA collaborated with Indigenous groups, municipalities and local fire departments to increase knowledge and awareness of forest fire management in and around communities (Fire Smart Program). FFA also provided wildland fire training to Innu nation members.
- To increase our ability to predict forest fire occurrence and severity, FFA increased the number of fire weather forecasting zones in the province by accessing weather stations owned and maintained by academia and Parks Canada.
- To increase FFA wildland firefighting capacity within the province, FFA continued providing advanced level forest fire management training in the incident command system.
- To protect critical road infrastructure necessary to support rural Newfoundland and Labrador, FFA continues to deliver the forest access resource roads program using new road design methods to provide more durable/reliable road networks in a changing climate.

Modernized and enhanced legislation to support growth and protection of renewable resource sectors.

In 2022-23, FFA collaborated with a number of provincial departments to develop a government-wide response to the federal Blue Economy Strategy (BES) Regulatory Review. The BES aims to strategically plan for and encourage growth within Canada's ocean industry through the sustainable use of ocean resources contributing to economic growth while preserving the health of ocean ecosystems. The Province's submission included feedback on regulations, policies, and legislation relating to Marine Spatial Planning (MSP), Ocean Technology, Sustainable Fishing Gear and

Practices, Renewable Energy and Environmental Protection, and Autonomous Surface Ships.

In 2022-23, FFA reviewed the **Animal Health and Protection Act** and regulations. Stakeholder engagement was undertaken and a What we have Heard document completed. The review ensures the legislation continues to reflect the highest possible standards for animal welfare, helping industry develop and adopt systems, standards, and practices so customers can be assured that our food system is meeting the highest standards.

In 2022-23, FFA updated firearm requirements to reduce poaching. Amendments to the Coyote Hunting Order, under the **Wild Life Regulations** were introduced in the Fall of 2022, prohibiting hunters from transporting or possessing centerfire .22 caliber firearms during the big game season on the Island and up to December 31st.

Fish processing is an integral component of the province's rural economy, and fish-processing licensing has become a complex process requiring subject matter level expertise and in-depth analysis. In 2022-23, the Fisheries and Aquaculture branch of FFA initiated an in-depth review of fish processing licensing in an effort to modernize and improve both the efficiency, effectiveness, fairness, and transparency of the existing process. The review is ongoing and will strive to ensure there is a balance between environmental, economic and social values to sustainably manage fisheries resources to benefit the current and future generations of Newfoundlanders and Labradorians. Additionally, the regulatory review is ongoing and FFA will continue to move forward with this work to ensure that the regulatory framework (legislation and policies) is modernized and robust.

In 2022-23, FFA updated the Environmental Protection Guidelines for commercial timber harvesting to include a 30 metre buffer surrounding environmentally sensitive wetlands. Increasing the buffer zone surrounding these sensitive wetlands insures

that these areas are protected for their ecological and functional value, such as wildlife habitat and carbon sequestration.

To modernize and improve administrative efficiencies for timber scaling in the province, FFA amended the Timber Scaling Regulations allowing for five-year timber scaling licences and removed requirements to update the provincial timber scaling manual.

FFA has initiated the process of modernizing the Timber Royalty Regime to be more open and representative of other jurisdictions in the country. In 2022-23, a report was commissioned and received on a timber royalty rate review of Newfoundland and Labrador's current royalty regime by Halifax Global Incorporated.

Fostered partnerships to support the growth of renewable resource sectors.

In 2022-23, FFA partnered with the Fish Food and Allied Workers union to support research on fishing gear selectivity for the emerging redfish fishery. This research assisted in ensuing size selection and bycatch reduction is optimized for the sustainable growth of a commercial fishery.

In 2022-23, FFA partnered with Fisheries and Oceans Canada (DFO) to continue advancing MSP initiatives on the Newfoundland and Labrador Shelves (N-L Shelves), which is a marine bio region. Specifically, work on phase three of MSP, focusing on the development of a generation one marine spatial plan, was completed. In fiscal 2022-23, milestones achieved by the working groups included the conclusion of phase two engagement and completing a data inventory that populated the N-L Shelves and Western Newfoundland and Labrador portion of the Eastern Canada MSP Atlas.

In 2022-23, DFO and FFA held engagement sessions with Indigenous governments and organizations and stakeholders across marine industries as well as ENGO's. These engagement sessions helped refine MSP priorities, provided a way to collect

feedback on the priorities and will shape the development of the generation one marine spatial plan. Further engagement is expected to continue throughout phase three completion in the 2023-24 fiscal year. These partnerships support informed and coordinated decision-making pertaining to our marine resources, enabling responsible management and sustainable growth of our ocean's renewable resources.

In 2022-23, FFA collaborated with the NLFA and invested over \$680,000 in Canadian Agricultural Partnership funding to support initiatives in the agriculture and agri-foods industry, including Agriculture in the Classroom, Open Farm Day, Agriculture Expo, and the Newfoundland and Labrador Young Farmers Forum. These initiatives focus on building healthy living in schools and communities; promote careers in the agriculture sector; increase public awareness; enhance leadership skills of young farmers; provide a forum for sharing of challenges and opportunities; and develop and strengthen links between industry and government

In 2022-23, the FFA worked closely with various shareholders to ensure growth of the agriculture sector such as:

- Dairy Farmers of Newfoundland and Labrador and industry processors - to enhance raw milk quality with development of milk quality screening protocols;
- Grenfell Campus of MUN - on a Living Labs project (2022-27) aimed to establish a robust network focusing on producer collaboration with scientists and government bodies;
- College of the North Atlantic;
- Agriculture and Agri-Food Canada;
- CFIA and poultry industries – by developing an emergency response to a diagnosis of highly pathogenic avian influenza (H5N1), a foreign animal disease;
- NLFA as well as individual farmers and processors;
- various nongovernmental organizations; and
- other intergovernmental departments and agencies.

The GIS and Mapping Division (GMD) contributed to the Department of Industry, Energy, and Technology's (IET) wind energy initiative through the development of spatial data. In particular, GMD supported the assembly of spatial data and development of the IET's call for bids for a wind energy projects web application, which presented the areas of Crown Land available for bid submission.

In 2022-23, FFA collaborated with the Government of Quebec to evaluate caribou populations and caribou management in Labrador. Collaborations have included the sharing of data to develop robust range delineations, survival estimates, and recruitment indices for cross-jurisdictional populations. FFA has also collaborated with researchers at MUN, the University of Laval and the University of Guelph, to expand on the baseline monitoring and investigated important research questions that would assist to further FFA's understanding of boreal caribou range use, ecology, and survival in Labrador.

In 2022-23, FFA continued to collaborate with the federal government, Indigenous governments and organizations, academics and non-government environmental organizations on species at risk protection, monitoring and stewardship activities to promote recovery. FFA has been a core partner in the long range biodiversity initiative, which is leading many initiatives to help support recovery programs for several species at risk on the West Coast and Northern Peninsula of Newfoundland.

Over the course of 2022-23, the Boreal Caribou Conservation Agreement with Environment and Climate Change Canada has continued to support recovery efforts for boreal caribou in Labrador. Recovery of these animals is vital to the sustainable use of many natural resources in southern Labrador.

In 2022-23, FFA renewed an agreement with the Royal Canadian Mounted Police to provide firearm safety training to hunters in Newfoundland and Labrador. This

program coupled with the provincial in-class or the newly introduced online hunter education course, contributes to broader wildlife conservation values, hunting safety and wise and responsible use of our wildlife resources.

In 2022-23, in an effort to provide stability to the sawmilling industry, FFA collaborated with interested stakeholders to develop forest management agreements.

To support development of the forest resources in Labrador, FFA continued with the Aboriginal Forestry Agreements that aid in forest management planning. Aboriginal forestry can create unique opportunities, including innovative utilization of forest resources, bringing economic benefits to Indigenous communities.

During the 2022-23 fiscal year, FFA continued to support the Maritime Lumber Bureau and the Newfoundland and Labrador Lumber Producers Association to promote forest products into new markets. The goal of this collaboration is to increase the use of wood products produced by our local sawmills.

Enhanced the fisheries and aquaculture industry to become more sustainable and viable.

In 2022-23, FFA continued to ensure that a robust regulatory framework was in place to promote sustainable growth and long-term viability of the aquaculture sector. FFA continued to promote diversification of new technologies and species and is working towards the development of a Multi-Species Strategy that will contribute to a more viable sector into the future.

In 2022-23, FFA continued to conduct active and passive surveillance to monitor and maintain the health of the aquatic species cultured in the province of Newfoundland and Labrador. FFA ensured that cultured aquatic species were health tested, with satisfactory results, prior to introduction from other Atlantic provinces. Province wide pre-transfer assessments were conducted to ensure cultured aquatic species were fit for transfer. FFA performed biosecurity audits and worked with the aquaculture

industry to mitigate the risk of disease transfer between aquaculture facilities. Integrated Pest Management training was coordinated for industry to aid in sea lice management.

In 2022-23, the Governments of Newfoundland and Labrador and Canada strategically invested \$5.9 million in 35 projects through the AFF. These projects focused on innovation, modernization, enhanced productivity and sustainability of the fisheries and aquaculture industry. The investments included projects in harvesting, processing, and aquaculture.

In 2022-23, FFA continued to advance the promotion and market development of the Newfoundland and Labrador seafood industry and its producers globally, with a return to in-person international tradeshow and events identified by industry as critical to market development. With the support and funding from FFA, over 20 seafood companies from this province participated in Seafood Expo Global (Barcelona), Seafood Expo Asia (Singapore), CONXEMAR (Vigo) and Seafood Expo North America (Boston) to promote their products and meet with customers and prospective buyers. These activities support the viability of the seafood industry through the identification of new sales opportunities and expansion into new markets.

In 2022-23, FFA provided \$5,000 in funding for the MUN Templeman Scholarship through the Department's Fisheries Research Grant Program. The scholarship was made available to full-time graduate students in which groundfish research was a primary focus. Through the FRGP, FFA also funded the Fish, Food and Allied Worker's Atlantic Longline Halibut project for \$18,743. This project aimed to increase our understanding of the distribution and abundance of Atlantic halibut near southern Labrador and the northeast coast of Newfoundland. Increased research and understanding of fish species leads to improved and sustainable management of the province's fisheries resources.

The Quality Assurance Program (QAP) is aimed at enhance the value of Newfoundland and Labrador's fishing industry. It strives to achieve this by conducting various inspections to ensure compliance with the **Fish Inspection Act** and regulations, addressing instances of non-compliance, and educating industry on handling methods in an effort to optimize product quality and return. FFR's have and will continue to work with industry to enhance seafood quality and Newfoundland and Labrador's reputation in the global marketplace through education and necessary enforcement actions.

The provincial fishing industry continues to diversify each year, which can present operational challenges to stakeholders and the QAP. As the industry grows, techniques and monitoring efforts have and will continue to be reviewed to ensure the QAP objectives are being achieved.

Over 4,000 inspections and patrols were performed in 2022, up from 3,200 inspections and patrols in 2021. These pertained to raw product requirements; handling and holding conditions on vessels and unloading sites; buyers and processors license compliance checks; aquaculture site markings; aquaculture Salmonid Code of Compliance; and products shipped through Port aux Basques.

2020-2023 Goal Reporting

Goal Indicators:

- Supported industry diversification in renewable resource sectors, including initiatives to maximize resource utilization.
- Collaborated with stakeholders to advance the sustainable development of resources.
- Improved sustainable management of our forests, wildlife, and plant biodiversity.
- Explored the impacts of climate change on renewable resource sectors, and identified potential mitigation activities.
- Modernized legislation and policies to support industry growth.

- Collaborated with the Federal Government and other stakeholders on fisheries resource and coastal and ocean management initiatives.

Goal Results

This table outlines the planned versus the actual results for the goal indicators set out in the Department's 2020-23 Strategic Plan.

Supported industry diversification in renewable resource sectors, including initiatives to maximize resource utilization.

The Forestry and Wildlife Branch continues to support the diversification of the province's forestry sector and management of the province's wildlife. In June of 2020, an amendment was made to the **Forestry Act** to permit five-year Timber Scaling Certificates for individuals who are certified in timber scaling, a process for measuring timber to determine its volume or mass. This amendment will improve the efficiency of scaler licensing by eliminating annual renewals.

To further support the diversification of the province's forestry sector and non-traditional (e.g., barbecue scrapers, live edge furniture, etc.) secondary manufacturing of timber, FFA implemented the Secondary Forest Products Innovation Fund in 2022-23. Through this fund, \$290,000 was awarded to various secondary manufacturers throughout the province.

In 2022-23, FFA developed a new Timber Sales Agreement Program to better develop and gain an understanding of the value of the province's timber resource. The program delivery to begin in 2023. A timber sales program uses free market principles to maximize the value achieved from forest resources. Proponents who can produce the highest value products are able to expand their access to the resource.

In 2022-23, FFA completed a Competitive Forest Industry Project in partnership with the Newfoundland and Labrador Forest Industry Association. This project provided input to FFA on current issues affecting the viability of the forest industry and offered

suggestions on increasing industry efficiency. For example, reducing fibre costs, increasing sawmill production, and improving utilization of harvested wood.

In September 2020, FFA announced the opening of a new state-of-the-art wildlife laboratory. The department invested \$530,000 into renovations, upgrades and equipment. This work improved the ability of staff to streamline important processing activities, such as archiving and specimen storage. This facility will support key programs such as the recently re-launched Big Game Jawbone Collection Program, the new Black Bear Tooth Collection Program and the Canid Lineage Project:

- In 2022-23, a Black Bear Tooth Collection program was implemented. This program provides valuable data to support ongoing big game population studies and research.
- In 2022-23, the new wildlife lab processed just over 700 canid (i.e., carnivorous animals such as foxes, wolves, dogs, etc.) carcasses and over 6,000 big game jawbones. Each carcass was tagged with a registration number that identifies where and when the animal was harvested and assist FFA with genetic analysis work. The efforts of hunters to supply data through jawbone submissions are essential to establishing the health and status of moose and caribou populations throughout the province.

Big game hunting is an important and valued tradition in our province which must be managed appropriately to ensure it continues sustainably. In 2022-23, FFA continued to oversee wildlife management, which requires a fine balance between hunting more animals than a wildlife population can sustain and allowing a population to increase unregulated. FFA determines the maximum number of moose, caribou and black bear that can be sustainably harvested each year. In 2022, over 88,000 people applied for a big game hunting licence. In 2022-23 for the first time, the big game application process was online only. Significantly improving the efficiency of the program and expanding the application period. The Wildlife Information Management System was also upgraded to improve the overall ease of use for applicants.

In 2022-23, FFA promoted industry diversification through the Seafood Development Program by contributing \$170,000 towards innovative marketing projects. Projects included trade missions to new markets and new product development, branding and promotion for mussels, oysters, seal products and by-products.

The Fisheries and Aquaculture Branch continues to focus on avenues to increase by-product utilization with natural resource-based industries (i.e., aquaculture and pulp and paper) to identify potential waste materials and byproducts that have potential as value added products.

Throughout the planning period, CAP provided support to grow and diversify the province's agriculture and Agri-foods industry, including on-farm investment for mushroom growing infrastructure and greenhouse vegetable production. FFA continues to provide program support in the form of plant material in efforts to diversify crop profiles and increase production within the province. Vegetable transplants produced at the Centre for Agriculture and Forestry Development in Wooddale. Grew and shipped more than four million transplants to 125 eligible commercial farmers in the 2022-23 fiscal year.

Collaborated with stakeholders to advance the sustainable development of resources.

Over the course of the planning period, FFA built momentum with the pan-Atlantic partnership, with support under the Atlantic Trade and Investment Growth Agreement, a cost-shared program between the Atlantic provinces and the Atlantic Canada Opportunities Agency for the 'Seafood from Canada' brand and marketing program. Seafood from Canada is a marketing initiative focused on supporting and increasing exposure for Atlantic Canada's seafood sector. It gives a critical mass to positioning Atlantic Canadian seafood as some of the world's most desirable, sustainable and viable seafood products globally. The 'Seafood from Canada' brand, online directory and digital marketing activities continue to increase the awareness of the Atlantic

Canadian seafood industry and link global seafood buyers with regional suppliers. For more information, please visit <http://www.seafoodfromcanada.ca>.

In March 2023, FFA collaborated with the other Atlantic provinces and the Government of Canada to implement a comprehensive marketing and promotion program for Seafood from Canada in mainland China, Hong Kong and Taiwan. The implementation of this campaign will promote the fish and seafood industry by enhancing digital promotion efforts for fish and seafood products in the region. The digital campaign will take place over the next six months, promoting Canadian Seafood products through various platforms and digital presence for the “Seafood from Canada” brand on key social media platforms in China, Hong Kong and Taiwan.

The Government of Newfoundland and Labrador in partnership with the Federal Government through the AFF has invested more than \$93,000 into Ocean Choice International to analyze scientific data for the purpose of developing predictive fishing models. The predictive fishing models will assist fisheries to become more profitable and sustainable by enabling companies to optimize fishing trips by maximizing catch rates, and reducing fuel consumption, carbon dioxide emissions, by-catch and discards.

Through the AFF, and the Canadian Center for Fisheries Innovation, the province has also contributed to projects that examine redfish bycatch reduction, develop Artificial Intelligence based shrimp modelling, and cleaner fish research for aquaculture.

Salmonier Nature Park is a key component of the FFA Stewardship and Education Program this program helps educate citizens on the importance of sustainable use of our resources, including how sustainable management occurs in Newfoundland and Labrador. Investments were made in Salmonier Nature Park to improve public education on the management and conservation of wildlife resources. Budget 2022 allocated \$2 million over four years for infrastructure upgrades at the park. In 2022-23, approximately \$330,000 was spent to upgrade a new power supply for the service

building, construct a new fire emergency access road, complete repairs to aging animal enclosures and holding facilities and finalize enhancements the biosecurity features of the Park's wildlife rehabilitation center.

During the planning period, FFA developed the 2022-26 Newfoundland and Labrador Moose Management Plan. The plan is based on consultations with citizens and includes three overarching goals:

1. Ensure moose are managed sustainably, and in balance with the environment and public safety;
2. Publicly present the science-based decision-making framework that wildlife managers use for moose management; and
3. Share knowledge about management objectives and targets and improve transparency.

Officials with the Agriculture and Lands Branch participated in a FPT process and obtained stakeholder input for the negotiation and design of a new Sustainable Canadian Agricultural Partnership Multilateral Framework Agreement. Sustainable CAP will provide close to \$43 million to the Newfoundland and Labrador agriculture sector over five years to support priority areas of climate change and environment; science, research and innovation; market development and trade; building sector capacity, growth and competitiveness; and resiliency and public trust. The Sustainable CAP MFA was signed by the Government of Newfoundland and Labrador in March 2023.

FFA works closely with various shareholders to ensure sustainability in the agriculture industry. Specifically, FFA began working with Grenfell Campus of MUN and the NLFA on a Living Labs project (2022-27) aimed to establish a robust network focusing on producer collaboration with scientists and government bodies. On-farm field research projects aim to tackle environmental sustainability challenges that are in line with industry growth and improvement. In particular, Newfoundland and Labrador is focusing its efforts on the mitigation of greenhouse gas emissions and carbon

sequestration as a method in improving and/or maintaining good soil, water and air quality. Working one-on-one with producers will hopefully inspire and support sustainable farming practices that work for the farmer and their agri-business.

Improved sustainable management of our forests, wildlife, and plant biodiversity.

FFA is working on a collaborative forest modeling project with Natural Resources Canada (Canadian Forest Service) to develop a process to incorporate carbon budgeting modelling into provincial sustainable forest management planning. The goal is to demonstrate carbon sequestration under different forest management scenarios and report on carbon storage levels in provincial forests. During 2022-23, FFA engaged with the Canadian Forest Service to develop preliminary carbon sequestration models for provincial forests, thereby helping mitigate the effects of climate change. The first two districts were completed in 2022 and the remainder of the island will be completed in 2023.

FFA is continuing to collaborate with Grenfell Campus of MUN on a multi-year project to determine the effects of nitrogen stabilizers on nitrogen transformation (i.e., nitrous oxide, leaching, mineral nitrogen, ammonia volatilization and nitrogen uptake) in corn silage production following various short-term crop rotations. Nitrogen is one of the most critical inputs for crop production and is the most vulnerable to losses to both the environment and farmer investment. Agricultural expansion and crop intensification in the province will undoubtedly increase the demand for farm inputs and innovative sustainable crop management practices.

In 2022-23, Conservation Officers from across the province responded to 2,432 wildlife-related emergency call-outs through FFA's Wildlife Control Program. This is a 24-hour emergency response program that sees Conservation Officers responding to calls focusing on public safety, humane handling of wildlife and wildlife welfare. Officers undergo specialized training that deals with sensitive matters related to public safety within communities and densely populated areas.

Newfoundland and Labrador is home to unique wildlife and plant species. Over the course of the planning period, FFA has ensured special protections for plant and animal species considered to be endangered, threatened, or vulnerable in the province in accordance the **Endangered Species Act**, and fulfilled our commitment under the National Accord for the Protection of Species at Risk.

- In 2022-23, FFA completed a management plan for Water Pygmyweed.
- In 2022-23, amendments were made to the Endangered Species List Regulations which included the addition of 10 new species (six vulnerable and four threatened), six status changes, (four threatened to vulnerable – improvements, one species from vulnerable to threatened-nationally, and one species was removed from list as it was longer considered a range jurisdiction once it was noted that there were no good breeding records for the species in the province).
- In 2022 FFA released the Limestone Barrens Species at Risk Recovery Plan which included measures to conserve 10 listed plant species found on limestone barrens on the Great Northern Peninsula and the Port au Port Peninsula. This was the first ecosystem based recovery document for the province. In addition to the Limestone Barrens Management Plan was also developed and released for water pygmy.

Over the course of the planning period, FFA has improved wildlife habitat management through policy development and implementation to create ecosystem resilience.

- FFA has commenced the development of caribou habitat management guidelines to support the conservation of caribou herds. These guidelines will support other resource users as they plan developments on the landscape while ensuring habitat availability for caribou. The guideline document has been drafted and is moving into approval processes.
- Working in collaboration with Indigenous government and organizations in Labrador FFA has commenced development of a range plan for Boreal caribou populations in Labrador in an effort to support conservation and recovery of

those populations. This plan is a commitment under the Boreal Caribou Conservation Agreement. This document will provide guidance for the development of other resources on the landscape while ensuring required habitat protection is being considered.

Communities in Newfoundland and Labrador are responsible for large pieces of land that contain sensitive ecosystems, wildlife habitat and species at risk. A Municipal Stewardship Agreement signed with the province is a pledge by the municipality to be a good steward of these special places and species. In 2022-23 fiscal year, FFA officials worked collaboratively with Harbour Grace and George's Brook-Milton to reach agreements in principle.

Explored the impacts of climate change on renewable resource sectors, and identified potential mitigation activities.

Newfoundland and Labrador is a member of the AtlanTIC Tree Improvement Council. Working towards climate change resilience through tree improvement research is one of the key member benefits and goals of the organization.

In 2022-23, a third Atlantic tree improvement trial was established on the island consisting of 3,000 white pine seedlings on 1.5 hectares. Survival assessment was completed on the 2021-22 trial. Newfoundland and Labrador had one member serve on the board of directors. Currently, there is a four-year contribution agreement in which the four Atlantic provinces have committed funding with Newfoundland and Labrador contributing \$25,000 annually. The results of this study will provide a way to evaluate genetic diversity, which will help determine the ability of seedlings stocks to help provincial forests adapt to the effects of climate change.

Tree planting activity in support of afforestation and reforestation aids in the sequestration of carbon from the atmosphere, thereby helping combat climate change.

- In 2022-23, 2,527 hectares of forest were planted. To further support tree planting the province partnered with various municipalities and ENGO's to distribute approximately 50,000 seedlings throughout the province.

In 2022-23, to assess the carbon footprint relating to the province's forest industry, FFA supported the development and implementation of the carbon emissions report related to provincial forestry sector activities. FFA continues to work with FPInnovation's research initiatives on climate change adaptation and mitigation relating to forest management activities, specifically relating to carbon emissions in the wood trucking sector.

In 2022-23, the Government of Newfoundland and Labrador along with the Government of Nova Scotia invested in a three year, industry led, northern shrimp research project by the Canadian Association of Prawn Producers, through the AFF. A total of \$1.8 million shared by the federal government and the two provincial governments will fund project activities that will contribute to valuable knowledge on the impacts of ecosystem shifts on fish stocks, distribution and the commercial shrimp fishery in Areas 4 and 5.

Officials with the Agriculture and Lands Branch contributed to the development of National Beneficial Management Practices for Sustainable CAP, and the Resilient Agricultural Landscape Program to identify over 140 practices that farmers can implement to improve environmental sustainability, reduce GHG emissions and increase carbon sequestration on Canadian farms. Sustainable CAP FPT investments will contribute towards reducing Canada's GHG emissions by three to five megatonnes by 2028.

FFA's scientist and commodity specialists have continued to review literature related to the impacts of climate change and associated mitigation activities and extend this knowledge to the agriculture industry through various mechanisms. FFA staff

provided a presentation on this topic (Presentation title: ‘The Effects of Global Change on Agriculture: Risks and Adaptation’) at the NLFA Annual General Meeting and continue to work directly with farmers on climate change mitigation and adaptation activities.

GMD staff with FFA supported the Hurricane Fiona response effort. This support included both the acquisition of drone-based imagery for use in damage assessment and planning as well as the management of building inspection information collected by the Incident Response Team. FFA developed the Fiona Incident Response Dashboard that provides for editing and presenting building inspection data and identifying the primary impact zone against a satellite image backdrop. FFA’s involvement has led to an improved capacity to support similar emergency response efforts moving forward.

Modernized legislation and policies to support industry growth.

In 2020-21, FFA worked to develop amendments to the provincial **Aquaculture Act** and Regulations. The department established a working group in 2019-20 to guide the review process. This group developed a work plan to guide the amendment process and a national and international jurisdictional scan of aquaculture related legislation was completed and utilized for a legislative gap analysis. Sub-working groups were established to review the various areas of legislation for consideration to be amended and incorporated into a revised Act. The **Aquaculture Act** amendments were completed in 2022-23 and a regulatory review is underway. FFA continues to move forward with this work to ensure that regulatory framework is modernized and robust.

During the planning period, FFA has been working towards developing a **Resource Enforcement Act** to enhance the delivery of resource enforcement functions within the provincial public service. Additionally, FFA is working towards amending enforcement-related provisions and fines under the **Wild Life Act** and **Endangered**

Species Act to modernize the legislation and improve delivery of resource functions within the provincial public service.

In 2022-23, FFA collaborated with a number of provincial departments to develop a government-wide response to the federal BES Regulatory Review. The BES aims to strategically plan for and encourage growth within Canada's ocean industry through the sustainable use of ocean resources contributing to economic growth while preserving the health of ocean ecosystems. The Province's submission included feedback on regulations, policies, and legislation relating to MSP, Ocean Technology, Sustainable Fishing Gear and Practices, Renewable Energy and Environmental Protection, and Autonomous Surface Ships.

The **Animal Health and Protection Act** was previously amended to permit the creation of Honey Bee Regulations. FFA continues to work towards creating Honey Bee Regulations. Protecting the rare health status of Newfoundland and Labrador honeybees is important to the agriculture sector and future development of the honey bee industry.

In 2022-23, the **Animal Health and Protection Act** and Regulations were under review. Stakeholder consultation and engagement and a 'What we Heard' document were completed. The review ensures the legislation continues to reflect the highest possible standards for animal welfare, helping industry develop and adopt systems, standards, and practices so customers can be assured that our food system is meeting the highest standards.

In 2022-23, to stabilize the timber supply available within Newfoundland and Labrador, FFA registered its commercial forest land base in the provincial land use atlas. This registration will now require interdepartmental approval for land removals from the registered forest land base which supports the growth of the province's

forestry industry by creating certainty around access to the forest resource. This certainty provides the confidence required for investment in the sector.

Over the course of the planning period, FFA worked with the City of Corner Brook and Grenfell Campus of MUN's Environmental Policy Institute to initiate the development of a guidance document for municipalities interested in creating regulations around agriculture activities in their jurisdictions.

Collaborated with the Federal Government and other stakeholders on fisheries resource and coastal and ocean management initiatives.

During the planning period, FFA has partnered with DFO to advance MSP initiatives on the Newfoundland and Labrador Shelves (N-L Shelves), a marine bio region.

- In 2021-22, FFA completed phase two of MSP, which focused on MSP priorities and data acquisition needs. Milestones achieved by the working groups included receiving endorsement on a vision statement for MSP on the N-L Shelves and for a MSP priority setting exercise.
- In 2022-23, FFA completed phase three of MSP, focusing on the development of a generation one marine spatial plan. Milestones achieved by the working groups included the conclusion of phase two engagement and completing a data inventory that populated the N-L Shelves and Western Newfoundland and Labrador portion of the Eastern Canada MSP Atlas.
- Collaboration is ongoing with DFO and Indigenous partners to develop a vision statement and objectives for MSP in the N-L Shelves Bioregion. Work on stakeholder engagement sessions with DFO in support of MSP continues. Stakeholders have progressed with contributions to a data inventory that will aid in the development an MSP Atlas; the Atlas will be used as a decision support tool.

In 2021-22, a preliminary inventory of marine data was compiled for the N-L Shelves. The data inventory was used to help populate an interactive "Eastern Canadian Marine Atlas," which will function as a decision support tool for stakeholders in

Atlantic Canada. In early 2023, FFA officially launched the Eastern Canadian MSP Atlas for public use. The Atlas is an interactive marine atlas that functions as a decision support tool for stakeholders in Atlantic Canada.

Over the course of the planning period FFA has continued to provide input into fisheries management decision-making through participation in numerous science assessments, advisory meetings, and rebuilding plans pertaining to Newfoundland and Labrador's wild commercial fish stocks. FFA participated in international fisheries management in May and July as well as provided input on fisheries management decisions in April before the start of the fishing season. This work is ongoing.

In 2022-23, FFA collaborated with the Federal Government on ocean management initiatives through the Regional Oversight Committee on Oceans Management (ROCOM) and the Director-level Canada-Newfoundland and Labrador Committee on Oceans Management. ROCOM is the senior executive forum for the federal and provincial government to provide oversight, coordination, and direction to the planning and management processes related to integrated coastal and ocean management in the Newfoundland and Labrador, while CNLCOM is a Director-level intergovernmental forum focusing on policy, management, operations and regulatory coordination for the Newfoundland and Labrador Region.

During the planning period, GMD prepared a web map in collaboration with Parks Canada staff to support the development of a Memorandum of Understanding between the Departments of ECC, FFA, Tourism, Culture, Arts and Recreation and Parks Canada. This Memorandum of Understanding related to the study of the potential establishment of a National Marine Conservation Area on the South Coast of Newfoundland.

Discussion of Results

For the period covered by the 2022-23 plan, FFA developed and implemented initiatives to support the sustainable growth, development, and diversification of Newfoundland

and Labrador's renewable resource sectors. This was accomplished through supporting industry research; improving the province's ability to adapt to climate change; amending or introducing relevant legislation; and enhancing management of the province's wildlife. In collaboration with AFF counterparts, the department was also able to leverage funding for technology innovation, research, infrastructure, and market development to support innovation, growth, and diversification.

Issue 2 - Food Safety, Security, and Self-Sufficiency

Food producers and consumers have a vested interest in the quality and safety of their food products. Local agri-foods businesses strive to produce high-quality and safe food through best management practices, compliance and regulatory oversight. Food quality and safety begins at the farm level with raising healthy animals in a clean, safe environment and by implementing disease monitoring and control protocols.

Food security is generally defined as all people at all times having access to adequate food for a healthy and active life. Food self-sufficiency is defined as being able to meet food consumption needs from domestic production rather than through importing. Food security and self-sufficiency are long-standing concerns in the province, particularly because transportation routes are frequently interrupted due to adverse weather or other circumstances. As a result, these conditions have highlighted the need to grow more food locally.

In support of the Provincial Government's commitment to increase the province's food production to 20 per cent by 2022, FFA has taken a number of steps to increase food self-sufficiency and will continue to do so during the year ahead.

Goal

By March 31, 2023, the Department of Fisheries, Forestry and Agriculture will have advanced the production of safe and healthy foods for domestic and export markets.

2022-23 Objective

By March 31, 2023, the Department of Fisheries, Forestry and Agriculture will have reviewed its programs and services to support the production of safe and healthy foods for domestic and export markets.

Objective Indicators

- Continued to review FFA programs and legislation to support the production of safe and healthy foods for domestic and export markets.
- Reviewed research of best practices in support of the production of safe and healthy foods for domestic and export markets.
- Continued to review actions taken toward achieving 20 per cent food self-sufficiency target.

Results

This table outlines planned versus actual results of the 2022-23 objective indicators set out in FFA's 2021-22 Annual Report.

Continued to review FFA programs and legislation to support the production of safe and healthy foods for domestic and export markets.

In 2022-23, FFA utilized the established active and passive surveillance program for cultured aquatic species to assist with monitoring for the presence of zoonotic pathogens helping to mitigate and manage disease in cultured fish and shellfish produced for global food markets.

Throughout the reporting period, FFA participated in biweekly working group discussions focusing on continuous improvement of AFF processes that will allow proponents to access funding that supports the fish and seafood sector in Atlantic Canada produce safe and healthy seafood products destined for local and global markets.

The AFF Management and Steering Committees continued to meet monthly to discuss key program initiatives and/or challenges and establish plans for program execution.

In 2022-23, FFA developed a new five-year multilateral framework agreement, Sustainable Canadian Agricultural Partnership, to support the agriculture and agri-foods industry, including initiatives for domestic and export market development, food safety advisory services, and food self-sufficiency.

In 2022-23, FFA's Food Safety Initiative extension staff provided training and knowledge transfer for licensed abattoirs in the province for the domestic market, for both farmer and employees. Training is customized to each facility and is based on the regulatory requirements of the provincial Meat Inspection Regulations, Food Premises Regulations and the Federal Safe Food for Canadians Regulations. There are no changes to these regulations at this time.

- FFA staff have continued consultations with meat producers on new constructions and new equipment using the above legislation. No export of red meat products from the province at this time.
- FFA staff have also provided information and customized training for fruit and vegetable producers using the CanadaGAP manual.

In 2022-23, FFA continued to support the production of safe and healthy foods through FFA AHD programs; farm animal veterinary services, animal health

diagnostic and food safety laboratory, milk quality program, foreign animal disease surveillance and pathology services.

Reviewed research of best practices in support of the production of safe and healthy foods for domestic and export markets.

Food Safety Initiative extension staff receive CanadaGAP manual yearly updates and transfer those updates to producers enrolled in the program. The program is designed to help implement and maintain effective food safety procedures within fresh produce operations.

In light of the arrival of Avian Influenza, best management practices including biosecurity in the poultry sector were reviewed, enhanced and communicated to stakeholders including smallholders to ensure the production of safe and healthy foods.

Continued to review actions taken toward achieving 20 per cent food self-sufficiency target.

Newfoundland and Labrador's agriculture sector has more than doubled the province's food self-sufficiency in fruit and vegetable production, reaching more than 21 per cent in 2022. This exceeds the goal of growing food self-sufficiency from 10 per cent to 20 per cent by the end of 2022.

Government has provided supports through its various programs to make available, develop and enhance enough arable landbase to meet our goal of doubling our food self-sufficiency in fruit and vegetable production.

- The Community Garden Support Program invested \$100,000 in 134 community gardens in 2022-23, including the creation of 29 new gardens and enhancement of 105 existing gardens.
- The PAAP invested over \$1.9 million in agriculture infrastructure and land development.
- The CAP invested over \$1 million for 25 projects under the Agriculture Growth and Innovation Program, including investment in greenhouse systems, beef

production facilities, crop harvesting equipment, and season extension technology.

- The PAAP and CAP invested in 409 acres (\$613,500) of land enhancement to increase food production and food self-sufficiency.

2020-2023 Goal Reporting

Goal Indicators:

- Explored opportunities to increase the production of locally-produced food and food products.
- Enhanced services and programs related to food safety, self-sufficiency, or security.
- Explored niche and non-traditional market opportunities for the promotion of local foods and food products.
- Expanded production of potato and other crops.
- Collaborated with stakeholders to realize enhancements to the provincial meat industry.
- Enhanced aquaculture and fish processing inspections under the Quality Assurance Program.

Goal Results

This table outlines the planned versus the actual results for the goal indicators set out in the Department's 2020-23 Strategic Plan.

Explored opportunities to increase the production of locally-produced food and food products.

During the 2020-23 reporting period, FFA undertook numerous initiatives aimed at increasing the production of locally-produced food and food products. For example in December 2020, FFA announced the introduction of a special permit program available to registered food banks, which allowed them to accept and distribute

donations of moose and caribou meat from hunters. FFA subsequently partnered with the Community Food Sharing Association to allow hunters the ability to donate meat directly to participating food banks. Additionally, the Community Garden Support Program invested approximately \$62,000 in 124 projects in 2020-21 to establish 38 new community gardens and support enhancement of 86 existing community gardens. Previous investments in 2019-20, FFA helped establish 23 new community gardens and enhance 78 existing gardens. Through the Community Garden Support Program, municipalities, schools and community organizations received funding to increase availability of locally grown fruits and vegetables.

To increase the production of locally-produced food and food products, FFA has provided supports through its various programs to make available, develop and enhance enough arable landbase to meet its goal of doubling food self-sufficiency in fruit and vegetable production. Additional actions taken in support of increasing the production of locally-produced food and food products include the CAP, which invested in new opportunities to increase the production of locally-grown food: \$800,000 was invested in air-chill technology for chicken processing at Country Ribbon Incorporated and \$386,000 was provided to Central Vegetable Products Limited for an automated vegetable weighing and bagging system to enhance vegetable packing efficiency.

Enhanced services and programs related to food safety, self-sufficiency, or security.

Over the last three fiscal years, FFA has implemented multiple measures to enhance services and programs related to food safety, self-sufficiency or security. In 2020-21, FFA provided PAAP and CAP funding to enhance and construct abattoirs/food processing facilities to support the livestock sector. FFA also delivered food safety advisory services to the agriculture sector and provided \$1 million for the development of two vegetable cold storage facilities in the province. Furthermore in 2020-21, FFA completed a Beef Cattle Enhancement Demonstration Project, which saw 21 participating beef farmers receiving a combined 210 total beef cattle. This

project sought to improve the quality and number of animals produced in the province, thereby increasing provincial food self-sufficiency. The project was successful; a follow-up survey and consultations with farmers showed that 56 per cent of the cows are still on farms in the province, 181 calves were born across 15 farms and some producers reported increased breeding activity that was partially attributable to the project. Also in 2020-21, FFA provided numerous supports for market development, food safety, innovation or growth in the fishing and aquaculture industries through AFF projects and a number of associated marketing activities. The AFF provided funding to harvesters to obtain handling and refrigeration equipment for vessels to ensure that fish is landed in the highest quality. In 2022, AFF invested more than \$500,000 for harvesters to improve onboard handling and storage.

In 2022-23, FFA continued to offer professional agriculture expertise and program support to enhance safe food production. Food Safety Initiative extension staff continued to support and assist agricultural food production and processing industries, created awareness of food safety extension services, and aided in the implementation of food safety programs. Additionally, commodity specialists continued to work directly with farmers to advise on practices to enhance production. Finally, farm animal veterinary services provide affordable and accessible veterinary care to the livestock industries, which is an essential component to ensuring food safety, self-sufficiency and security.

Of note, the Pynn's Brook Animal Health Laboratory became ISO 17025 accredited, increasing food safety and quality service delivery.

Explored niche and non-traditional market opportunities for the promotion of local foods and food products.

During the last three fiscal years, FFA has explored niche and non-traditional market opportunities for the promotion of local foods and food products. To that end, the Government of Newfoundland and Labrador supported projects for the domestic and international marketing of fish and seafood produced in Canada under the Canadian

Fish and Seafood Opportunities Fund (CFSOF). In September 2022, the Province participated in Seafood Export Asia in Singapore. Show attendees comprised of more than 3,170 seafood professionals from 69 countries and more than 200 exhibitors from 41 countries. In February 2023, Newfoundland and Labrador fish and seafood exporters participated in a B2B Export Café in Taiwan, Vietnam and Thailand. FFA, in partnership with the other Atlantic provinces, undertook a trade mission to these countries. Additionally in 2022-23, FFA promoted Newfoundland and Labrador's fish and seafood companies, increasing the number of export trade initiatives in non-traditional markets across emerging Indo-Pacific and Middle Eastern markets. In October 2023, FFA participated in a tradeshow which took place in Vigo, Spain. Spain and Portugal are Europe's largest consumers of seafood, with high sales of squid, cod, lobster, salted and packaged products, etc. The European Union countries offer a growing potential for Newfoundland and Labrador's seafood companies.

In response to the challenges facing Canada's sealing industry, FFA contributed more than \$770,000 over the past four years to a CFSOF project with the Seals and Sealing Network. The goal of this \$3 million project is to engage the seal industry across the full value chain, the federal, provincial and territorial governments, and academic and non-governmental partner organizations to promote the acceptance and consumption/use of Canadian seal meat and other products in both domestic and international markets.

To help promote local foods and food products, commodity specialists at FFA also work closely with industry to provide advice on niche and non-traditional market opportunities. Food Safety experts also have provided training and demonstrations for specific, non-traditional meat cuts to meet customer demands in provincial abattoirs.

Expanded production of potato and other crops.

During the reporting period, FFA worked to expand the capacity for production of potato and other crops in Newfoundland and Labrador. As part of this work, on June 19, 2020, the Provincial Government announced a \$2.75 million initiative to increase

large-scale potato production through land development in Dead Water Brook and Junction Brook, and the former Glenwood seed potato farm. FFA later announced on April 28, 2021, the successful bidders for agricultural leases as: Junction Brook – M&M Farming Company Limited; Dead Water Brook – Adam Anderson and Lukas Doman; and the former seed potato farm, Glenwood – Gordon Peddle. Additionally, the Certified Seed Potato Program has provided millions of pounds of high-quality, disease-free Canadian Food Inspection Agency (CFIA) certified seed potatoes to hundreds of farmers in the province. For example in 2021-22, the program produced over 200,000 pounds of certified seed potatoes that were made available to registered certified growers throughout the province. Finally in 2022-23, CAP and PAAP supported agricultural land development and equipment for the potato and vegetable sectors. PAAP and CAP supported 409 acres (\$613,500) of land enhancement to increase food production and food self-sufficiency. PAAP supported \$1.9 million in agriculture infrastructure and land development, to support agricultural growth and commercialization in the industry, including crop planting and harvesting systems.

Over the course of the reporting period, FFA also continued to support the expansion of potato and all crop production through the provision of professional agriculture expertise and program support. FFA has two dedicated Fruit and Vegetable Specialists who work directly with industry and provide advice and consultative services. These staff also conduct research on; production practices that optimize crop production; crop diversification which include crop varietal and demonstration trials (ongoing half-high blueberries, wine grapes and apple varietal trials).

Additionally to support expansion in other vegetable sectors, offered the vegetable transplant program to eligible commercial vegetable producers in the province. High-quality vegetable transplants (kale, rutabaga, onions, cabbage, leak, lettuce, asparagus, broccoli and cauliflower) were provided at a subsidized rate. This program aims to diversify the current provincial crop profile, expand vegetable production area, and demonstrate the enhanced productivity realized by utilizing transplants.

Collaborated with stakeholders to realize enhancements to the provincial meat industry.

Over the last three fiscal years, FFA collaborated with stakeholders to realize enhancements to the provincial meat industry. To accomplish this, FFA provided funding for regional abattoir development. Three proponents received funding to develop regional abattoirs in western, central and eastern parts of the province. In order to market meat products, producers are required to process their livestock in a licensed facility. The facilities funded under this program are strategically located to allow existing producers to conveniently access abattoir services. One of these abattoirs is operating and the other two, the one in central and the one in Eastern, are in the environmental assessment process. FFA also provided PAAP and CAP funding to enhance existing abattoirs/food processing facilities and construct new abattoirs/food processing facilities to support the livestock sector. FFA also delivered food safety advisory services to the agriculture sector, including training for abattoir operators. Additionally, in 2020-21, the Canadian Agricultural Partnership invested \$1,029,963 in 13 projects to support value-added production and secondary processing. Part of this investment was made in livestock sector, including meat processing equipment in the beef and sheep sector.

Over the last fiscal year, FFA worked closely with the Department of Environment and Climate Change and industry to provide advice and support on waste management from abattoir facilities. Internal scientist began to identify and prioritize research to enhance pastures in support of the sustainability beef sector. FFA also provided workshops and training to abattoir operators and provided a presentation to the industry on rotational grazing and pasture improvement.

Enhanced aquaculture and fish processing inspections under the Quality Assurance Program.

During 2020-23, FFA worked to enhance aquaculture and fish processing inspections under the QAP. One of the goals of the QAP is to enhance the value of Newfoundland and Labrador's fishing industry. The program strives to achieve this by conducting

inspections to ensure compliance with the **Fish Inspection Act** and Regulations, addressing instances of non-compliance, and educating industry on handling methods. FFR's conduct inspections; at fish buying stations, dockside, on vessels, at licenced processing facilities, aquaculture sites, and points of export.

- In 2021, over 3,200 inspections and patrols were performed, an increase of approximately 33 per cent from the previous year.
- In 2022, over 4,000 inspections and patrols were performed, these pertained to raw product requirements; handling and holding conditions on vessels and unloading sites; buyers and processors license compliance checks; aquaculture site markings; aquaculture Salmonid Code of Compliance; and products shipped through Channel - Port aux Basques.

Continued investments from AFF provide a substantial economic benefit to the QAP, fish harvesters, processors and aquaculture companies and the province as a whole. Investments have been made in harvesting and processing technologies that ensures that the highest quality product is landed, processed, and delivered to market. The program has also funded innovative processing and aquaculture projects that provide solutions to industry challenges with regard to growth, diversification, sustainability, and efficiency.

Inspections will be conducted to ensure compliance with the Act and Regulations. Strategic planning, and periodic reviews and audits will be carried out to identify operational priorities and to ensure the right balance of tools and approaches are used to achieve the program objectives. Acquisition and management of equipment, vehicles, and vessels is necessary to ensure a well-equipped and effective workforce.

Discussion of Results

For the period covered by the 2020-23 plan, FFA advanced the production of safe and healthy foods for domestic and export markets by: implementing measures to allow provincial food banks to accept and distribute donations of moose and caribou meat; enhancing and constructing abattoirs/food processing facilities; promoting local food

and food products in niche and non-traditional markets; expanding large-scale potato production such as in Junction Brook; enhancing the provincial meat industry through targeted investments; and enhancing aquaculture and fish processing inspections under the QAP.

Opportunities and Challenges

Newfoundland and Labrador is a province that relies greatly on its renewable resources. Renewable resources are an important economic driver and provide employment opportunities to residents across the province, particularly in rural areas. As such, Newfoundland and Labrador is a province that greatly relies upon its renewable resources. As in previous years, FFA will continue to play its role by ensuring the continued sustainability of these resources while also facilitating growth within the industries that rely upon them.

Opportunities

As in prior years, there is a significant opportunity for growth and expansion in the renewable resource sectors under FFA's mandate. The department is committed to sustainably growing the fishing, aquaculture, agriculture, and forestry industries, and improving regulations, policies and enforcement activities to protect the natural environment and wildlife of this province. Continued supports for renewable resource industries will be achieved through policies and programs aimed at helping these industries adapt and succeed, encouraging innovation, and supporting new opportunities that improve efficiency and product quality, while mitigating environmental impacts and promoting sustainability.

There is a continued opportunity for FFA to expand collaboration and partnerships with internal and external stakeholders. Through this collaborative approach, stakeholder input and partnerships will be utilized to strengthen industries for the long-term. Furthermore, this approach will also maximize the benefits of our fishing, aquaculture, agriculture, and forestry industries for the people of the province.

Challenges

An aging workforce, as well as labour and skills attraction and retention issues, is a challenge that the province's fishery, aquaculture, forestry, and agriculture sectors

continue to face. This is particularly an issue in industries that are largely based in rural and remote areas of the province.

Climate change is a growing threat that will remain a key challenge for FFA into the future. Some examples of climate change related challenges may include extreme weather affecting agriculture, increased wildfire activity, increased pests and disease affecting agriculture and forestry, the effects of warming water temperatures on the fishery and other related challenges. As such, climate change is a multi-faceted challenge and requires a coordinated approach to mitigate its effects.

Given the increasing inflation over the last year, this will present numerous challenges to industries under FFA's purview. As the costs of goods, labour and capital increase, individuals and businesses in these industries will be required to adapt to this new inflationary economic environment. Additionally, international trade is challenged by its own unique market price fluctuations, market access issues, exchange rate volatility, and competition from producers in other provinces and countries.

Financial Information

Department of Fisheries, Forestry and Agriculture			
Statement (Unaudited) of Expenditures and Related Revenue *			
Summary for the Year Ended March 31, 2023*	ESTIMATES		
	Original	Amended	Actual
	69,613,100	82,382,300	80,891,658
EXECUTIVE AND SUPPORT SERVICES			
Minister's Office			
Minister's Office	259,300	268,300	252,819
General Administration			
Executive Support	1,399,400	1,209,700	1,177,539
Administrative Support	1,000,000	1,250,000	564,824
Executive and Support Services Subtotal	2,658,700	2,728,000	1,995,182
FISHERIES AND AQUACULTURE			
Fisheries Programs			
Marketing and Development	1,429,400	1,421,400	1,367,792
Licensing and Quality Assurance	2,049,000	1,786,000	1,769,992
Atlantic Fisheries Fund	4,812,300	4,813,300	4,811,994
Sustainable Fisheries Resources and Oceans Policy	675,100	550,100	471,748
Coordination and Support Services	500,000	-	-
Revenue – Federal (Coordination and Support Services)	(500,000)	-	-
Aquaculture Development			
Aquaculture Development and Management	961,800	905,800	890,306
Revenue – Provincial (Aquaculture Development and Management)	(10,000)	(10,000)	(14,837)
Aquaculture Capital Equity Investment	100	100	-

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Revenue – Provincial (Aquaculture Capital Equity Investment)	-	-	(157,242)
Aquatic Animal Health			
Aquatic Animal Health	1,747,100	2,018,200	2,009,720
Fisheries and Aquaculture Subtotal	11,664,800	10,984,90	11,149,473
FORESTRY AND WILDLIFE			
FOREST MANAGEMENT			
Administration and Program Planning	3,708,000	3,844,500	3,690,816
Revenue – Provincial (Administration and Program Planning)	-	-	(60)
Operations and Implementation	6,466,400	7,502,200	7,452,389
Silviculture Development	3,864,800	2,566,800	2,345,905
Revenue – Federal (Silviculture Development)	(650,000)	(650,000)	-
Resource Roads Construction	3,698,100	3,724,100	3,621,612
FOREST PROTECTION			
Insect Control	4,556,000	4,681,000	4,621,039
Fire Suppression and Communications	3,411,800	10,261,700	8,484,889
Revenue – Provincial (Fire Suppression and Communications)	-	-	(39,812)
WILDLIFE			
Wildlife Operations	4,832,700	4,933,400	4,627,499
Cooperative Wildlife Projects	1,800,000	1,800,000	1,332,804
Revenue – Federal (Cooperative Wildlife Projects)	(1,626,300)	(1,626,300)	(1,397,509)
Forestry and Wildlife Subtotal	30,061,500	37,037,40	34,739,572
AGRICULTURE AND LANDS			
LAND MANAGEMENT			
Land Management	2,064,500	1,911,500	1,855,667

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Revenue – Provincial (Land Management)	(8,608,000)	(8,608,000)	(4,540,248)
Land Development	1,301,900	1,051,900	50,691
AGRICULTURE PRODUCTION AND RESEARCH			
Agriculture Production and Research	5,334,300	5,640,300	5,468,359
Revenue – Provincial (Agriculture Production and Research)	(104,500)	(104,500)	(77,978)
Marketing Board	226,200	234,200	210,963
Limestone Sales	431,800	431,800	430,278
Revenue – Provincial (Limestone sales)	(147,500)	(147,500)	(90,396)
AGRICULTURAL BUSINESS DEVELOPMENT			
Agricultural Business Development Administration	1,198,300	6,061,900	6,003,543
Agriinsurance and Livestock Insurance	446,300	296,300	135,613
Revenue – Federal (Agriinsurance and Livestock Insurance)	(202,800)	(202,800)	(103,373)
Agricultural Initiatives	2,250,000	2,050,000	2,026,489
Revenue – Provincial (Agriculture Initiatives)	-	-	(6,912)
Canadian Agricultural Partnership	8,634,600	8,534,600	7,739,704
Revenue – Federal (Canadian Agricultural Partnership)	(4,719,500)	(4,719,500)	(3,094,200)
Revenue – Provincial (Canadian Agricultural Partnership)	(10,000)	(10,000)	-
ANIMAL HEALTH			
Administration and Support Services	3,638,300	4,946,200	4,900,120
Revenue – Provincial (Animal Health)	(1,300,000)	(1,300,000)	(1,322,506)
LANDS			
Crown Lands	3,831,500	3,964,500	3,931,122
Agriculture and Lands Subtotal	14,265,400	20,030,900	23,516,936

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ENFORCEMENT AND RESOURCES			
POLICY AND PLANNING SERVICES			
Policy, Planning and Administration	1,438,300	1,761,600	1,731,116
Revenue – Provincial (Policy, Planning and Administration)	(2,000)	(2,000)	(1,982,944)
GIS AND MAPPING			
GIS and Mapping	1,299,900	1,106,300	1,078,792
Revenue – Provincial (GIS and Mapping)	(50,000)	(50,000)	(57,269)
ENFORCEMENT			
Compliance	1,328,500	1,079,200	1,047,822
Enforcement	6,948,000	7,706,000	7,672,978
Enforcement and Resource Services Subtotal	10,962,700	11,601,100	9,490,495
<u>Department Total</u>	<u>69,613,100</u>	<u>82,382,300</u>	<u>80,891,658</u>

*Expenditure and revenue figures included in this document are based on public information provided in the **Report on the Program Expenditures and Revenues of the Consolidated Revenue Fund for the Year Ended March 31, 2023.**

