

2020-2021 ANNUAL REPORT



Fisheries, Forestry and Agriculture



Message from the Minister

It is my pleasure to present the 2020-21 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 1 government entity, and details the progress made towards achieving the objectives outlined in our 2020-23 strategic plan. I am accountable for the results contained within.

This first report on our 2020-23 strategic plan includes highlights of commitments outlined in our three sector work plans; the **Agriculture Sector Work Plan**; the **Aquaculture Sector Work Plan**; and, most recently, our **Forestry Sector Work Plan**. It also details our strategic accomplishments throughout the 2020-21 fiscal year, as we continued to align the province's natural renewable resources of agriculture, aquaculture, fisheries, and forestry under a common mandate – sustainable growth and development.

I would like to acknowledge the collective efforts of our departmental staff, community, government and industry partners and other dedicated stakeholders, toward achieving this year's objectives. Together, we continue our work to protect, renew, develop, and sustain traditional and emerging industries, which will in turn support and sustain a better future for the people of Newfoundland and Labrador.



HON. DERRICK BRAGG, MHA

Minister of Fisheries, Forestry and Agriculture

District of Fogo Island – Cape Freels

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Departmental Overview

Organizational Structure

The Department of Fisheries, Forestry and Agriculture (FFA), supports and encourages the development and sustainability of the province's fishing, aquaculture, agriculture, and forestry industries, as well as wildlife and Crown lands. The department's 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;
- Effectively and sustainably managing and developing the aquaculture sector;
- Serving as stewards of forests for the benefit of all residents; and,
- Conserving and protecting inland fish, wildlife, forestry and land resources.

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

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.

Staff and Budget

As of March 31, 2021, the department had 556 employees and 945 positions (seasonal positions begin work later in the spring). For the 2020-21 fiscal year, the department's gross budget was \$88,981,800.

Branch	# of Employees	Budget
Agriculture and Lands	188	\$30,557,400
Enforcement and Resource Services	137	\$8,518,600
Fisheries and Aquaculture	58	\$21,362,000
Forestry and Wildlife	161	\$26,884,700
Executive and Executive Support	12	\$1,659,100
Total Department	556	\$88,981,800

The department is headquartered in St. John's, with a total of 85 office locations in 46 communities delivering the department's programs and services throughout the province.

Highlights and Partnerships

Fisheries and Aquaculture

The Fisheries and Aquaculture Branch partnered with other Provincial Government departments, the Federal Government, Indigenous organizations, industry, and academia, to support growth and innovation in the fisheries and aquaculture industries.

Specific examples include:

- From June 1 to 8, 2020, Newfoundland and Labrador virtually celebrated World Oceans Day. A key initiative of the virtual event included the launch of FFA's new children's book 'Charley, A Day in the Bay'. This book was an exciting new educational outreach initiative that follows the story of a young cod fish, who learns

the importance of cod to Newfoundlanders and Labradorians. Another exciting event was the World Oceans Day Art Contest, which received 197 submissions from pre-K to Grade 12 students across the province. World Oceans Day activities were organized by a committee of representatives from FFA, Fisheries and Oceans Canada (DFO), the World Wildlife Fund, the Fish, Food and Allied Workers (FFAW), the Canadian Parks and Wilderness Society, and the Marine Institute (MI).

- Building upon the 2018 commitment to partner with the Federal Government on Marine Spatial Planning (MSP) adjacent to the province and a reiteration of that commitment to MSP made at the January 2020, Atlantic Canada Fisheries and Aquaculture Ministers' meeting, FFA has been working in partnership with the Federal Government to lead MSP initiatives on the Newfoundland – Labrador Shelves and in the Gulf of St. Lawrence. MSP fosters an approach for planning ocean activities in an open and collaborative way, in which economic opportunities, social and cultural objectives, and ecological health are balanced. To help facilitate MSP, two intergovernmental working groups, one of which is co-chaired by FFA, were established in April 2020. Throughout 2020-21 these working groups have been making steady progress towards implementing the MSP initiative on the Newfoundland – Labrador Shelves.
- In 2020-21, FFA staff collaborated with DFO to address European Green Crab, an aquatic invasive species (AIS) in St. Mary's Bay. AIS negatively impact ocean and freshwater ecosystems and are one of the leading causes of loss of biodiversity in marine habitats. Additionally, AIS threaten commercial, recreational and Indigenous fisheries as well as aquaculture operations, resulting in significant loss of economic and cultural benefits. Green Crab were first discovered in Riverhead, St. Mary's Bay, in 2019. During October of 2020, FFA and DFO removed approximately 150 crab during a single trapping event. It was determined that there is an established population of green crab in this area of the province.
- Also in 2020-21, FFA provided \$24,000 to the Atlantic Coastal Action Program – Humber Arm (ACAP-HA) for the Aquatic Invasive Species, Green Crab, Western Newfoundland Project; \$12,500 to ACAP-HA for the Aquatic Invasive Species,

Green Crab, Great Northern Peninsula Project; \$30,000 for a Fortune Bay community-focused pilot project to control the impact of the invasive Green Crab on the native lobster population; \$5,000 for the Dr. Wilfred Templeman Scholarship; as well as \$25,000 towards a collaborative effort between the Center for Fisheries Ecosystems Research (CFER), Centre for Sustainable Aquatic Resources (CSAR) and the Centre for Applied Ocean Technology (Ctec) for a Saint Pierre Bank Orange-Footed Sea Cucumber fishery efficiency investigation.

- FFA announced \$100,000 to develop a strategic partnership with the province's seafood industry to investigate the feasibility of live holding, cold storage and transportation opportunities at Gander Airport and at Port aux Basques for fresh and live seafood products bound for national and international markets. Consultants were hired to complete the study and a working group established to oversee the initiative. This group consists of representatives from the Association of Seafood Producers (ASP), Newfoundland Aquaculture Industry Association (NAIA) and officials with FFA.
- To assist businesses during the COVID-19 pandemic, on May 22, 2020, the Provincial Government announced the deferral or waiver of a number of fees, and steps to reduce regulatory burden. FFA provided rebates on aquaculture licence fees and fish processor and buyer licensing fees to assist processing plants and buyers.
- In July 2020, a \$725,000 investment was announced to support aquaculture industry expansion, create jobs, and help operators expand their product lines and markets, including:
 - \$500,000 to purchase a 32-foot, customized, multi-purpose vessel for accessing remote aquaculture sites, to provide site assessment, inspections, oceanography research, laboratory and health surveillance activities, such as sample collection.
 - \$200,000 for upgrades to laboratory facilities in St. Alban's to support aquatic animal health requirements for the aquaculture sector.
 - Development of a multiphase procurement process for the sustainable development of a marine farm operation in the Bays West Region, with \$25,000

earmarked to hire a fairness advisor to guide the assessment process. The Expression of Interest (EOI), the first phase of the process, was released in fall 2020. A collaboration with Invest in Canada on this project will bring a wealth of international and business experience. A Request for Qualifications and Request for Proposals are the next phases of this project. Such development could ultimately result in a production level of 15,000-20,000 metric tonnes of salmon and 100-150 direct new jobs in the area.

- In 2020-21, a total of more than \$11 million was invested in 71 projects under the cost-shared Atlantic Fisheries Fund (AFF) to transform and drive innovation in the fish and seafood sector to better meet growing market demands for sustainably sourced, high quality products.

Agriculture and Lands

On June 19, 2020, FFA announced nearly \$13 million in funding to create jobs in the agriculture sector and assist farmers and producers. The funding was part of a plan to support employment in rural communities and help open new markets and products for renewable resource-based businesses during the COVID-19 global pandemic.

Initiatives included:

- \$3.5 million to increase local beef production and determine support for local secondary beef processing facilities;
- \$2.75 million for land development to increase large-scale potato production;
- \$1.5 million for regional equipment banks to assist new farming entrants;
- \$1.4 million for road construction to improve access to agricultural Areas of Interest;
- \$1.25 million to support proposals for regional vegetable cold storage facilities;
- \$1 million to construct a greenhouse complex at the Western Agriculture Centre Research Station at Pynn's Brook;
- \$1.01 million for critical equipment at the Centre for Agriculture and Forestry Development at Wooddale to expand activities to support the agriculture sector;

- \$300,000 for training and supports for the beekeeping industry; and
- \$100,000 to support agricultural virtual market opportunities.

During the 2020-21 fiscal year, the Agriculture and Lands Branch worked towards increasing the province's food self-sufficiency by partnering with industry and other Provincial Government departments and agencies. Such partnerships and accomplishments include:

- In 2020-21, the Province provided investments through the federal/provincial cost-shared Canadian Agricultural Partnership (CAP) for two projects led by the Newfoundland and Labrador Federation of Agriculture (NLFA). The Young Farmer Initiatives for the Newfoundland and Labrador Young Farmers Forum (NLYFF) was approved for \$148,000, and Agriculture in the Classroom (AIRC) was approved for \$305,000. Both of these projects were designed to engage, educate and support youth and young adults in the agriculture sector. Due to COVID-19 pandemic restrictions, NLYFF and AIRC had to adapt their outreach methods to include more virtual events and activities. In some cases, virtual delivery enabled better reach for AIRC events, including the Amazing Agriculture Adventure, which had participation from Labrador students for the first time.
- In November 2020, the NLYFF held its sixth annual Leadership Summit as a series, which took place online over three evenings. The Summit had 59 participants in the event that covered three themes: succession planning; entrepreneurship; and marketing. NLYFF also developed virtual opportunity sessions on its website, with pre-recorded presentations available on demand to educate young farmers on topics such as business feasibility, marketing and pricing, leafy greens production, food safety, financing with Farm Credit Canada, and CAP funding. To date, these virtual opportunity sessions have reached 140 people. As well, a new Interactive Land Map was made available on the NLYFF's website to help link young farmers with available agricultural land in the province.
- In 2020-21, AIRC reached 16,000 students and applied 588,000 learning hours in classrooms across the province with the help of NLFA staff and 400 volunteers. In November 2020, the Amazing Agriculture Adventure was held virtually over five days

with 46 Grade five and six classes (816 students) participating. The Little Green Thumbs program took place with 3000 students in Grades three to six starting 129 vegetable gardens in classrooms across the province. Similarly, the “junior” Little Green Sprouts program took place with Kindergarten to Grade three students starting 49 gardens of micro-greens, lettuces and herbs. Throughout the year, AITC also facilitated a range of virtual activities including theme weeks, live story book reading and contests. One contest, Our Worm For A Day, garnered 100 entries from students and 35,000 views on Facebook.

- A project under the Agriculture Clean Technology Program, funded by Agriculture and Agrifoods Canada, run collaboratively with FFA and Memorial University was completed in 2020-21. This project funded research that seeks to reduce the production of greenhouse gases created by crop production.

Enforcement and Resource Services

The Enforcement and Resource Services Branch had a busy year in 2020-21, with its enforcement of provincial and federal laws and regulations relating to our inland fish and wildlife resources, and its provision of geographic information services systems and mapping services across the Public Service.

- In 2020-21, the department continued with the creation of the new Resource Enforcement Division which consolidated all enforcement personnel within one division. This restructuring has resulted in over 90 highly-trained Resource Enforcement Officers now authorized to enforce environmental protection legislation and a broad range of statutes related to forestry, wildlife, endangered species, wilderness and ecological reserves, inland fisheries, animal health and protection, water resources, illegal dumping as well as motorized snow vehicles and all-terrain vehicles.
- In response to the COVID-19 outbreak in 2019-20, the department’s GIS and Mapping Division, the Newfoundland and Labrador Statistics Agency, and the Newfoundland and Labrador Centre for Health Information, in cooperation with the

Department of Health and Community Services, built the Newfoundland and Labrador COVID-19 Pandemic Update Data Hub, an ArcGIS Hub site which provides updated information regarding the spread of the pandemic in the province, using maps, charts and graphs. The Data Hub is also mobile-friendly.

- Throughout the fiscal year, the public continued to provide important tips regarding suspected illegal activity, with officers fielding more than 300 calls by the end of 2020, on the 24/7 toll-free “report poaching line” (1-877-820-0999) to anonymously report suspected illegal activity.
- As permitted by public health guidance related to the COVID-19 pandemic, officers engaged in community outreach through group presentations, school visits, Law Enforcement Torch Run, festivals, and other public events.
- The Resource Enforcement Division also hosted five on-the-job training cadets from the Atlantic Police Academy in Summerside, PEI, providing valuable and practical work opportunities in the area of fish and wildlife enforcement.
- In 2020-21, Newfoundland and Labrador Resource Roads Geographical Information Systems (GIS) data became available for public download. There is regular demand for up-to-date Resource Road GIS data within the Government of Newfoundland and Labrador, as well as external partners. For example, wildlife and forest management, mineral exploration and extraction, tourism, and hydro-electric generation and transmission all utilize resource roads. Making this data available for public download enables the department to more effectively support other departments and external stakeholders. Newfoundland and Labrador Resource Roads GIS data is available at: <https://geohub-gnl.hub.arcgis.com>.

Forestry and Wildlife

On June 12, 2020, FFA announced \$9.6 million in funding to create jobs and develop forest sector products and markets. The funding was part of a plan to support employment in rural communities and help open new markets and products for renewable, resource-based businesses during the COVID-19 global pandemic.

New initiatives included:

- \$5.7 million for forest industry development projects;
- \$400,000 for secondary forestry processing innovation pilot projects; and
- \$3.5 million to establish forestry biomass market opportunities.

The Forestry and Wildlife Branch continues to support the diversification of the province's forestry sector and management of the province's wildlife. Some highlights are detailed below.

- 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. The change will take effect once subsequent amendments are made to the **Timber Scaling Regulations** in 2021.
- The Department of Fisheries, Forestry and Agriculture undertook a Spruce Budworm Early Intervention Control Program during summer 2020, which treated approximately 35,583 hectares of forest with B.t.k., a biological control agent commonly used in forest pest management. The program was carried out at specific locations on the Great Northern Peninsula to protect the region's forest resource from future outbreaks of the destructive insect and reduce the need for full treatment programs in the coming years.
- Wildland fire is a natural ecological occurrence and necessary part of the ecosystems regeneration cycle. The emergence and impacts of climate change has increased the occurrence and severity of such wildland-urban interface fires, elevating threats to communities and public safety. In response, FFA's wildland fire management and suppression tactics are continually evolving to adapt and ensure appropriate actions are made to mitigate public danger and emergency incidents. The absence of such management could result in increased loss of homes and property, increased threat to communities, increased loss of natural resources and economic values and increased pressure on fire management resources. Wildland

fire management has become internationally streamlined and collaborative with sharing of resources, including personnel, aircraft and equipment, through the Canadian Interagency Forest Fire Centre (CIFFC). Newfoundland and Labrador is equipped with 85 wildland fire fighting personnel, four CL-415 air tankers and the necessary equipment to support fire management and suppression tactics. These resources are committed to wildland fire management in the province and available for resource-sharing during favorable circumstances. In 2020, 91 forest fires were reported in the province, burning over 4,100 ha. From 2015-2019, the yearly average was 106 fires burning over 3,200 ha. FFA will continue to protect forests from uncontrolled forest fires under the Fire Suppression Program.

- During 2020-21, FFA also provided forest firefighting resources to other jurisdictions. Air Tanker support was requested and deployed for quick strikes to New Brunswick on two occasions and also at Mealy Mountain National Park Reserve twice by request from Parks Canada. Human resources and equipment were also provided to Terra Nova National Park and Mealy Mountain National Park Reserve.
- 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 and the Canid Lineage Project.
- In July 2020, the department announced amendments to provincial **Wild Life Regulations** to include the use of crossbows to hunt big game and small game species; and the use of .17 calibre HMR ammunition for hunting small game and furbearers. These amendments took effect for the 2020-21 big and small game hunting seasons. These Regulations were amended following extensive review and consideration of feedback received during online public consultations and discussions with hunting organizations and advocates.
- Another important change for the 2020-21 big game season was the re-introduction of the Jawbone Collection Program which requires hunters to submit the lower

jawbone of a moose or caribou that has been harvested under their licence. This program provides valuable data to support ongoing big game population studies and research.

- The department received a total of 2,975 emergency wildlife call-outs during 2020-21, with at least 1,022 of these received outside of regular business hours.

Report on Performance

Given that 2020-21 is the first year of the 2020-23 reporting period, this report on performance will discuss the department's work on the objective indicators for the 2020-21 fiscal year, as presented in its 2020-23 strategic plan. This report will also present the department's objectives for the 2021-22 period. Throughout this period, the department continued to work collaboratively with industry stakeholders and partners, including other Provincial Government departments and jurisdictions, academic institutions, industry partners, non-governmental organizations, and public bodies, to advance its mandate.

Strategic Issue 1 – Maximizing the Benefits of Renewable Resources

Our province's renewable resources continue to be a source of economic, cultural, and recreational value for Newfoundlanders and Labradorians. Renewable resources require protection and sustainable management in a way that fully recognizes the cultural significance of these resources as well as the social, economic, and recreational activities related to them. The department's focus is on creating employment, exploring and supporting opportunities to fully utilize raw materials, and creating opportunities to engage more people in traditional cultural and recreational activities such as hunting, wood cutting, fishing, and growing food.

In partnership with the industry, the department is pursuing opportunities and removing barriers to support sector growth and cultivate conditions to foster new and expanding

business activity and stimulate private sector employment. This includes modernizing legislation and policies to support industry growth.

Goal Statement

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.

2020-21 Objective

By March 31, 2021, the Department of Fisheries, Forestry and Agriculture will have introduced actions to facilitate the growth of renewable resource sectors for the socioeconomic benefit of the province.

Indicators

- Worked to develop amendments to the **Aquaculture Act and Regulations**.
- Explored the use of technology to improve natural resource protection, utilization, and promotion.
- Provided funding toward the establishment of regional equipment banks.
- Increased large-scale potato production and certified seed potato production at the Centre for Agriculture and Forestry Development.
- Launched the Secondary Forestry Processing Innovation Fund for development of secondary forestry processing innovation pilot projects.
- Enhanced silviculture activities.

Results

This table outlines planned versus actual results for the 2020-21 objective indicators set out in the department's 2020-23 Strategic Plan.

Worked to develop amendments to the Aquaculture Act and Regulations.

FFA worked to develop amendments to the provincial **Aquaculture Act** and **Regulations** in 2020-21. 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. 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. Amendments were identified outlining areas of the legislation to repeal or replace, along with compliance considerations for ticketable offenses and administrative penalties. The proposed amended Act and Regulations are being developed in conjunction with the Office of the Legislative Counsel.

Explored the use of technology to improve natural resource protection, utilization, and promotion.

In 2020-21, FFA explored the use of technology to improve natural resource protection, utilization, and promotion, through the cost-shared AFF, including:

- Funding of \$499,505 to the FFAW Union for year two of the Emerging Sustainable Redfish Fishery project. This project modified and tested trawling gear to identify best practices for trawling to minimize environmental impact, reduce bycatch of valuable and vulnerable species, and select the correct species of redfish based on trawl depth. This is valuable knowledge for establishing a sustainable redfish fishery.
- Funding provided to the Centre for Fisheries Ecosystems Research for year three of a five-year \$4.35 million project investigating sustainable capture fisheries and their ecosystems. The project developed new or improved stock assessment models using new ways of utilizing spatial distribution data for important groundfish species to fill knowledge gaps that will contribute to industry eco-certification initiatives.

- An AFF contribution of \$4.4 million to six aquaculture initiatives related to environmental protection. These included using technology for on-site net cleaning innovation, cleaner fish for sea lice mitigation in salmon aquaculture, automated vaccination equipment, and a fish sludge dewatering system.
- Funding of \$128,000 to the Torngat Plants, Wildlife and Fisheries Secretariat to support data collection on the arctic char population in the Fraser River near Nain. Arctic Char is an important resource to harvesters and plant workers in Nunatsiavut.

For the agriculture sector, CAP invested \$1,820,890 into 37 projects to enhance innovation on farms (Agriculture Growth and Innovation Program), including robotic milkers, hydroponic production systems, vegetable harvesters, forage systems, livestock feeding systems, and season extension technology.

Additionally, the department has been exploring the use of new Geographical Information Systems (GIS) and mapping technology to improve natural resource protection, utilization and promotion, particularly for forestry applications. Ongoing activities during 2020-21 included:

- Developing lightweight data collection applications for permanent and temporary sample plots using iPads and ArcGIS online tools;
- Using aerial imagery for automatic feature extraction, including features such as water, vegetation, and building footprints;
- Continuing the Open Data initiative to provide easy data access to the public;
- Exploring the use of UAV (Drone) imagery data collection for small area mapping; and,
- Three-dimensional visualization for land developments.

Provided funding toward the establishment of regional equipment banks.

On June 19, 2020, the Provincial Government announced a \$1.5 million initiative to establish provincially-owned and operated Regional Agriculture Equipment Banks in Happy Valley-Goose Bay, Pynn's Brook and Wooddale, to support the start-up of new

farming operations in identified Agricultural Areas of Interest, and to help spur agricultural development in Central Labrador. These locations were identified based on areas where new land was available for development, and equipment was not available to rent or borrow from other farmers.

During 2020-21, FFA planned for equipment storage, completed the equipment procurement process, and drafted a leasing policy for the upcoming season. Approximately \$770,000 was expended on the acquisition of equipment for this initiative in 2020-21.

Increased large-scale potato production and certified seed potato production at the Centre for Agriculture and Forestry Development.

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, expected to create an estimated 50-75 jobs to support certified seed potato production at the Centre for Agriculture and Forestry Development. This project involved land clearing and development of approximately 700 acres of land, including access road development, for potato production to yield more than seven million pounds of potatoes annually.

During 2020-21, the following work was completed:

- Land cleared (approximately 154 acres) at Dead Water Brook.
- Installation of a 60-foot bridge, construction/re-construction of approximately 10.4 kilometers of agricultural access roads and approximately 500 acres of cleared and/or enhanced land at AOI 39 Junction Brook.
- Request for Proposal (RFP) packages were prepared for proposed farming operations located near Dead Water Brook, Junction Brook and the Former Glenwood Seed Potato Farm in anticipation of advertising during the week of April 12, 2021, to solicit applications for farmland developments.

Ten acres of suitable potato production land was developed at the Centre for Agriculture and Forestry Development (Wooddale) for seed potato production. Due to drought conditions during the 2020 growing season, FFA was unable to increase seed potato production within the fiscal year, with both 2019-20 and 2020-21 production at approximately 200,000 pounds; however FFA is expecting a 30 per cent increase in potato production in 2021-22.

Launched the Secondary Forestry Processing Innovation Fund for development of secondary forestry processing innovation pilot projects.

In June 2020, the department announced \$400,000 for the development of secondary forestry processing innovation pilot projects, issuing Calls for Proposals in September 2020. The funding was intended to support up to 50 per cent of eligible project costs for approved industry sector business proposals, up to a maximum of \$100,000. Project proposals were to include the introduction of innovative products or the commencement of secondary processing that primarily utilized locally-grown wood. Project applications could include finished products, such as engineered wood products including millwork, cabinets, furniture, pallets and containers, and other wood products or applications involving the use of remanufactured wood products.

The program application was posted on the FFA website on September 2, 2020, with an application due date of October 16, 2020. Twelve applications were received with six being approved for funding under the first round. A second call for proposals was posted on January 14, 2021, and closed on January 22, to allow applicants to apply for the remaining funds that were not allocated initially. Fourteen applications were received, with seven receiving final approval. Contribution agreements were finalized with funding of nearly \$300,000 provided.

Enhanced silviculture activities.

In 2019-20, the department planted 3.4 million seedlings over 2,142 hectares (ha), completed 663 ha of site preparation and 118 ha of pre-commercial thinning, for a total treatment area of 2,923 ha.

In 2020-21 the department planted 2.98 million trees on 1,846 ha, completed 620 ha of site preparation and 79 ha of pre-commercial thinning. It also completed an additional five silviculture contracts as part of an economic stimulus package, including four tree planting contracts and one site preparation contract. This resulted in an additional 909,700 seedlings planted on 544 ha and 600 ha of site preparation being completed. This represents a total of 3.9 million trees (an increase of nearly 15 per cent over trees planted in 2019-20) planted on 2,390 ha and 1,220 ha of site preparation in 2020-21. This site preparation represents an approximately 84 per cent increase from 2019-20. The total area silviculturally treated for 2020-21 is 3,689 ha, an increase of approximately 26 per cent over 2019-20.

Discussion of Results

During 2020-21, the department introduced actions to facilitate the growth of renewable resources for the socioeconomic benefit of the province.

FFA worked to further modernize legislation by developing amendments to the **Aquaculture Act** and **Regulations**, which will support sustainable growth of the province's expanding aquaculture industry.

It also explored the use of technology to improve natural resource protection, utilization, and promotion in multiple sectors under its mandate; provided funding through the AFF for both the fisheries and aquaculture industry, and explored the use of new GIS and mapping technology to improve natural resource protection, utilization and promotion, particularly for forestry applications. Funding for the establishment of regional equipment banks supported the start-up of new farming operations in identified Agricultural Areas of Interest, as well as the development of agriculture in central Labrador. Increased provincial capacity for large-scale potato production and certified seed potato production will also facilitate growth of the agriculture sector in the province.

The department's launch of the Secondary Forestry Processing Innovation Fund will contribute to the diversification and strengthening of the provincial forestry sector by funding the development of secondary forestry processing capacity through innovative pilot projects. Enhanced silviculture activities, including site preparation, pre-commercial thinning and seedling planting, facilitate the long-term sustainability and growth of the forestry industry.

2021-22 Objective

By March 31, 2022, the Department of Fisheries, Forestry and Agriculture will have developed additional measures to facilitate the growth of renewable resource sectors for the socioeconomic benefit of the province.

Indicators

- Supported research into and development of new manufacturing processes and products from waste materials and byproducts.
- Enhanced capacity to adapt to Climate Change.
- Worked to develop the new **Resource Enforcement Act** and amendments to resource enforcement related legislation.
- Maximized sawlog potential from marginal volume timber stands.
- Enhanced management of the province's wildlife and biodiversity.
- Enhanced seafood quality and the province's reputation in the global marketplace through education, training, and necessary enforcement actions.
- Advanced coastal and ocean management initiatives, such as Marine Spatial Planning, in partnership with Fisheries and Oceans Canada and other stakeholders.
- Continued the modernization of Aquaculture legislation and regulation, including a new ticketing and administrative penalty system for aquaculture.

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

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

Food security is generally defined as the access for all people at all times to enough food for a healthy, active life. In contrast, food self-sufficiency is defined as being able to meet consumption needs (particularly for staple food crops) from domestic production rather than by buying or importing. For many years, both food security and self-sufficiency have been a concern in the province, particularly when transportation routes are interrupted due to weather or other circumstances. These conditions have highlighted the requirement to grow more food locally.

In support of the Provincial Government's commitment to raise the province's food production to 20 per cent by 2022, the department has already taken a number of steps to increase food self-sufficiency.

Goal Statement

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.

2020-21 Objective

By March 31, 2021, the Department of Fisheries, Forestry and Agriculture will have continued to build on actions that support the production of safe and healthy foods for domestic and export markets.

Objective Indicators:

- Introduced supports to protect and maintain the health of Newfoundland and Labrador’s bee population.
- Provided support for the development of agricultural land and establishment of agricultural infrastructure.
- Assisted new entrants.
- Provided supports for market development, food safety, innovation or growth.
- Advanced the establishment and expansion of community gardens.
- Supported industry initiatives for value-added products.
- Enabled hunters to share moose and caribou meat with food banks.

Results

The following table outlines planned versus actual results for the 2020-21 objective indicators set out in the department’s 2020-23 Strategic Plan.

Introduced supports to protect and maintain the health of Newfoundland and Labrador’s bee population.
<p>On June 16, 2020, FFA introduced legislation in the House of Assembly to enable mandatory registration and inspection of all beekeeping operations to help ensure Newfoundland and Labrador’s world-class honey bee population remains parasite-free. On the same day, the department also announced an investment of \$300,000 for training and supports for the beekeeping industry, in partnership with the Newfoundland and Labrador Beekeeping Association (NLBKA).</p> <p>On September 18, 2020, FFA announced the launch of the Honey Bee Development Program, with the program guide and application form posted on the department’s website. Program funding allows eligible beekeepers to purchase local honey bees and apiary supplies, pest and disease monitoring tools, infrastructure to support overwintering of hives, and equipment to develop value-added and secondary processed food products. There were 16 applications received and assessed in 2020-</p>

21, with all approved for funding. A total of \$267,000 was disbursed to 15 provincial beekeepers as well as the NLBKA under the program. Beekeepers were provided funding for eligible items and equipment to encourage sustainability and colony expansion of local honey bees, while the NLBKA was provided funding to organize and offer several education workshops for provincial beekeepers. In addition, supplies were purchased to aid in the growth of the apiary that is located at the Pynn's Brook Research Station. The hives in Pynn's Brook support the ongoing projects there by improving horticultural crop yields. Furthermore, maintenance of the bee colonies at the provincial apiary allows the Provincial Apiarist to provide enhanced extension services and knowledge transfer to the apiculture sector.

Provided support for the development of agricultural land and establishment of agricultural infrastructure.

The department provided support for the development of agricultural land and the establishment of infrastructure by contracting/tendering approximately \$1.28 million under an agricultural roads initiative in 2020-21. This included road re-construction, new road construction and bridge installations to make suitable farmland available to new and existing farmers within the Agricultural Areas of Interest. Work is still ongoing in some areas of the province, with approximately 22 kilometers of road work completed. As noted above in Issue one, agriculture land development and RFPs for potato and seed potato cultivation also support this indicator, as do the following:

- Reconstruction of two kilometres of Slaughter House Road (Cormack area) completed.
- Wooddale Agricultural Areas of Interest – Contract awarded for 650 meters of road re-construction.

The Provincial Agrifoods Assistance Program (PAAP) invested \$999,069 into 60 projects for land development, including the enhancement of 283 acres of new agricultural land. The estimated value of crop production annually as a result of the

land enhancement projects is \$562,651 for forage, livestock and vegetable producers. PAAP invested \$1,051,936 in 43 agriculture infrastructure projects.

The Canadian Agricultural Partnership (CAP) invested \$453,195 into 20 projects to enhance 302 acres of new agricultural land and construct 4,109 meters of on-farm access roads. The estimated value of crop production annually as a result of the land enhancement projects is \$776,370 for forage, livestock and vegetable producers. CAP invested \$4,475,296 in agriculture infrastructure including investment for robotic milkers, land development equipment, forage harvesting systems, livestock facilities and vegetable cold storage facilities.

FFA also 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.

The department 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.

FFA provided \$1 million for the development of two vegetable cold storage facilities, one in Happy Valley-Goose Bay and one in Robinsons. Construction was underway for both facilities as of fiscal year end.

Assisted new entrants.

The department's representative on the Professional Fish Harvesters Certification Board (PFHCB) participated in a sub-committee formed by the PFHCB to develop

recommendations on ways to attract and retain young people and women in the fishing industry. Additionally, the department also contributed the in-kind support of a FFA staff member to provide support to the sub-committee. Departmental staff met regularly with the sub-committee to discuss recruitment and retention and continued to develop recommendations for the PFHCB's review throughout 2020-21.

The Canadian Agricultural Partnership invested approximately \$1,878,110 million in 72 projects to 47 new entrants (including 19 first-time applicants), including support for legal land surveys, land development, business plans, and on-farm infrastructure.

The Provincial Agrifoods Assistance Program invested \$566,083 in assisting 37 new entrants, including support for land development, farm tractors, and equipment.

Provided supports for market development, food safety, innovation or growth.

In 2020-21, the department provided numerous supports for market development, food safety, innovation or growth in the fishing and aquaculture industries through AFF projects and a number of its marketing activities. These included:

- AFF funding of nearly \$3.2 million to support 51 projects involving onboard handling equipment or innovative technology for harvesting to improve handling, maintain quality and ensure food safety.
- An AFF investment of \$99,900 to Merasheen Oyster Farms to install an optical eye sorter to help with farm site husbandry and expand oyster aquaculture in the province.
- Launching a Seafood Marketing Support Program. This \$400,000 funding program was launched to help processors and marketing companies pursue opportunities created by the COVID-19 pandemic. Seven companies received funding for activities such as development of retail packaging, market research, online sales capability, enhanced digital marketing and retail promotions.
- Exploring the feasibility for improved live holding and air shipment of live and fresh seafood from the province to international markets. Officials from FFA and industry

associations formed working groups to investigate the feasibility of a live holding facility in Port aux Basques and air shipment of live and fresh seafood from the province. Additional work on both initiatives is planned for the 2021 fishing season.

- Contributing to the creation of a new Canadian seafood brand for use in domestic and international markets. FFA partnered with the other Atlantic provinces and the Government of Canada to develop the new Seafood from Canada brand and website (<http://www.seafoodfromcanada.ca/>) to promote the Atlantic Canadian seafood industry to international buyers.
- Increasing the number of trade-focused initiatives for seafood companies. With all major in-person trade events cancelled in 2020-21, FFA and other partners created opportunities with virtual trade events and business to business meetings. Over 200 meetings took place between companies from this province and qualified seafood buyers in the United States, Spain, Italy, the United Kingdom, China, Hong Kong, Taiwan, Japan, South Korea and Vietnam.
- Increasing the number of consumer-focused seafood promotions in domestic and international markets. The department partnered with other Atlantic provinces and the Government of Canada to launch promotions with online retailers and create a video campaign to educate consumers on the purchase, handling, storage, and preparation of seafood at home. Seafood promotions were held with online retailers in Taiwan, Hong Kong and South Korea, with weekly cooking shows livestreamed on Facebook and production of a series of short cooking videos featuring Atlantic Canadian chefs.
- Approved up to \$100,000 to Food First NL (FFNL) to develop and implement a food hub pilot project on the West Coast to improve consumer access to local food products through a virtual ordering platform and co-ordinated distribution system. Pilot operation of the food hub will be for the 2021 agriculture season (July-October).

Supports for market development, food safety, innovation or growth were also provided for the province's agricultural industry. CAP invested \$237,896 in food safety projects, including food safety coordinators to work with farmers and processors to design and implement food safety procedures and protocols. CAP invested in on-farm infrastructure, including cooling equipment and livestock abattoirs, to enhance the food safety system in the province. CAP invested \$1,820,890 into 37 projects to enhance innovation on farms (Agriculture Growth and Innovation Program), including robotic milkers, hydroponic production systems, vegetable harvesters, forage systems, livestock feeding systems, and season extension technology. CAP provided market development support to the Dairy Farmers of Newfoundland and Labrador to increase the consumption of milk; CAP also provided approximately \$21,000 to Food First NL for phase one of a Food Hub Pilot Project in the Humber Valley, to create new market opportunities for farmers and enhance consumer access to agricultural products.

FFA continued to increase its transplant production for the Vegetable Transplant Program, which provides eligible farmers with high-quality vegetable transplants to increase the variety of produce grown in Newfoundland and Labrador, and promotes higher marketable yields, early harvest, and earlier returns. Production increased from 3.5 million transplants in 2019-20 to 4.1 million transplants in 2021-22.

As previously mentioned, FFA also provided \$1 million for the development of two vegetable cold storage facilities, in Happy Valley-Goose Bay and in Robinsons.

In 2020-21, FFA completed a Beef Cattle Enhancement Demonstration Project. This project was completed with 21 participating beef farmers receiving 10 beef cows each, to improve the quality and number of animals produced in Newfoundland and Labrador, supporting industry expansion, and increasing provincial food self-sufficiency. These 210 cows will have a significant impact on the province's beef production. The project also offers research opportunities to collect information on

cattle breeds that best suit Newfoundland and Labrador's climate and environment, while mitigating greenhouse gas emissions by reducing the amount of food we import.

The department's food safety regulatory dairy program continues to play an important role in ensuring safe, quality dairy products by providing raw milk quality testing of farm bulk-tank-milk samples from both the bovine and the growing dairy goat industry. FFA's ISO 17025 Accredited Food Quality and Microbiology Laboratory serves the Newfoundland and Labrador Dairy and Poultry Industries by providing approved and accredited testing methods.

The department's Quality Assurance Program, through education, inspections and enforcement, continues to play an important role in ensuring that only safe, quality fish products are processed in Newfoundland and Labrador.

Advanced the establishment and expansion of community gardens.

The Community Garden Support Program (CGSP) invested approximately \$62,000 in 124 projects in 2020-21 to establish 38 new community gardens and support enhancement of 86 existing community gardens. In 2019-20, the department received 106 applications and approved 101 eligible applicants for a total investment of \$50,486. This translated into the establishment of 23 new community gardens and enhancing 78 existing community gardens. Through the CGSP, municipalities, schools and community organizations received funding to increase availability of locally grown fruits and vegetables. Investment was provided to purchase seeds, fertilizers, garden tools, and watering systems, and to construct new garden beds. Nearly 6,000 people participated in the CGSP during 2020-21, including youth, seniors, and Indigenous groups. This marks a significant increase from the 3,500 participants in 2019-20. Examples of community gardens funded in 2020-21 include the following:

- Xavier House Incorporated of Corner Brook established a raised garden bed to grow root vegetables, corn, tomatoes, and lettuce. Their organization provides a supportive living environment for residents with mental illnesses.
- Flat Bay Band, Flat Bay, used their funds to assist in building a community greenhouse and purchasing garden materials such as seeds, saplings and small tools. Their group grows various traditional medicinal plants for the community and food for use by vulnerable community residents such as seniors, low income persons and single parents.
- The Town Council of Pinware in Labrador used their Community Garden Support Program funding to aid in the building of a communal greenhouse so seniors could start growing their seedlings earlier and get a jump on Labrador's short growing season.

Applications and Program Guide for the CGSP can be found on the department's website at <https://www.gov.nl.ca/ffa/programs-and-funding/programs/>.

Supported industry initiatives for value-added products.

Through the AFF, the department supported three industry initiatives for value-added product development in 2020-21 by investing \$5.1 million in projects including secondary processing of mussels, herring, lobster, and seal oil. Additionally, the department's Seafood Development Program supported five seafood companies to undertake projects which included development and marketing of value-added products and by-product utilization.

The Canadian Agricultural Partnership invested \$1,029,963 in 13 projects to support value-added production and secondary processing. Investment was made in both the crop and livestock sectors, including a spinach processing line, meat processing equipment in the beef and sheep sector, vegetable production washing systems, honey processing and bottling, and secondary processing of apple juices.

In July 2020, the department announced \$5 million to help establish a proposed \$25-million secondary processing dairy facility in Deer Lake. This initiative will support economic growth in the dairy sector and enhance food self-sufficiency in Newfoundland and Labrador. The proposed facility will process milk into salted butter and skim milk powder, with potential to expand into cultured products such as cream cheese, sour cream, and yogurt. This project is awaiting partnership funding.

Enabled hunters to share moose and caribou meat with food banks.

In December 2020, FFA announced the introduction of a special permit program available to registered food banks, which allows them to accept and distribute donations of moose and caribou meat from hunters. The department partnered with the Community Food Sharing Association, which represents 54 registered food banks throughout Newfoundland and Labrador. Hunters gained the ability, subject to certain conditions, to donate meat directly to participating food banks, or through Share the Harvest NL, an organization which assists hunters, fishers and farmers, in donating locally-sourced food. Hunters donating meat to participating food banks supported efforts to sustainably and responsibly manage big game and improve food security in Newfoundland and Labrador.

Discussion of Results

During 2020-21, the Department of Fisheries, Forestry and Agriculture continued to build on actions which support the production of safe and healthy foods for domestic and export markets. The introduction of legislative and program supports to protect and maintain the health status of the province's bee population builds on previous efforts to keep our bee population largely disease-free.

The provision of support for the development of agricultural land and establishment of agricultural infrastructure, as well as assistance to new entrants, builds on the department's ongoing supports to spur growth in the province's agriculture sector and increase food self-sufficiency. FFA's numerous provisions for market development, food safety, innovation and growth in the agriculture, fishing and aquaculture industries

supported the increased production of safe and healthy food products for both domestic and export markets. Support of industry initiatives for value-added products also resulted in diversification of the food product offerings for these markets.

The establishment of new community gardens and the expansion of existing community gardens, and allowing hunters to share moose and caribou meat with food banks, play an important role in supporting the production of safe and healthy food for domestic consumption while providing numerous other benefits for participants.

2021-22 Objective

By March 31, 2022, the Department of Fisheries, Forestry and Agriculture will have advanced support for the production of safe and healthy foods for domestic and export markets.

Indicators

- Increased the non-repayable grant available through the Community Garden Support Program from up to \$500 to up to \$750 per applicant.
- Advanced activities to promote the seafood and agriculture industries in domestic and global markets (including virtual trade shows, export cafes, and local food hubs).
- Continued work towards the 20 per cent food self-sufficiency target.

Opportunities and Challenges

The renewable resources of Newfoundland and Labrador are vital to the province. They are important economic drivers and provide employment opportunities to residents, particularly in rural areas. The role of the department is to ensure the sustainability of these resources while facilitating growth within the industries that rely on them.

Opportunities

There are many opportunities for growth and expansion in the renewable resource sectors under the department'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.

New trade agreements, eco-certification, and product traceability initiatives provide opportunities for industries to expand through increased market access and the development of high quality and value-added products. In the fishing industry, the Fisheries Advisory Council provides industry stakeholders an opportunity to collaboratively discuss strategies and initiatives to increase the overall viability and competitiveness of the industry. The Province has committed to collaborating with the Federal Government on marine spatial planning initiatives adjacent to Newfoundland and Labrador, to ensure a balanced approach to meet ecological, economic, and social objectives across multiple ocean sectors.

There is an opportunity to expand the aquaculture sector with activities and initiatives from the **Aquaculture Sector Work Plan** aimed at attracting investment in the finfish and shellfish sector. The ongoing modernization of the province's aquaculture policies and regulations also provides opportunities to enhance sector competitiveness and sustainability while maximizing local economic benefits.

The development of sector work plans helps guide the department's support of the industries it represents. There is opportunity to build on the accomplishments to date relating to natural heritage and wildlife, and to generate strong solutions for sustainability, food self-sufficiency, and food security. The **Agriculture Sector Work Plan**, jointly developed by the Provincial Government and the NLFA, includes actions to achieve the common goal of growing the agriculture industry and stimulating employment. The achievement of 20 per cent food self-sufficiency by 2022 has become more likely, with a five per cent increase over the last three years. Opportunities exist to attract new farmers, expand local agriculture production and enhance secondary food production in support of food self-sufficiency targets. The collaborative **Forestry Sector Work Plan**, along with other recent and ongoing policy activities, supports the goal to increase timber allocations and harvest levels.

FFA will continue to expand collaboration and partnerships with internal and external stakeholders as part of the ongoing implementation of sector work plans.

Challenges

The province's fisheries, aquaculture, forestry, and agriculture sectors face several challenges. These sectors all face an aging workforce as well as labour and skills attraction and retention issues, particularly in industries that are largely based in rural and remote areas of the province. International trade is challenged by market price fluctuations, market access issues, exchange rate volatility, and competition from

producers in other provinces and countries, as well as disruption caused by the current COVID-19 pandemic.

The province's fishing industry is facing a regime shift, as shellfish resources such as snow crab and shrimp decline. This shift will present challenges such as resource uncertainty, overcapacity in both the harvesting and processing sectors, and seasonality of the industry.

The aquaculture industry will experience a different set of challenges as it continues to expand, including the need for regional and local infrastructure and supply and support services to keep pace with industry expansion. As the province relies heavily on the ferry system for the transport of goods to export markets, inconsistent delivery to the marketplace will continue to be a challenge. Other challenges include increased capital costs for remote site access and development, requirements for real-time data collection, and adaptation to climate change.

This industry also shares the challenges of an aging workforce and increased automation with the commercial fishery. Additionally, there is limited access to trained and skilled aquaculture workers for all aspects of the value chain to meet the needs of this growing industry, particularly in remote areas.

The agriculture industry faces challenges in increasing local agriculture production in an economically viable and sustainable manner to ensure optimal benefits to the agricultural community. The province's smaller farms and reduced economies of scale have led to increased cost of production and reduced its ability to compete with products from outside the province. Development of new agricultural land can also be quite costly.

The forest industry faces challenges relating to rising transportation costs, trade barriers, maintaining a competitive advantage, and a decline in global demand for newsprint and other print materials. Climate change also has the potential to disrupt available fibre through mortality from increased insect, disease, and fire activity, as well as precipitation and wind activity.

Other challenges include the availability of markets for small diameter timber and saw mill residue; competing land use activities reducing the commercial forest land base; a need for investments in silviculture and forest access roads; and, increasing secondary processing and value-added product development opportunities.

Financial Information

Department of Fisheries, Forestry and Agriculture			
Statement (Unaudited) of Expenditures and Related Revenue *			
Summary for the Year Ended March 31, 2021*	ESTIMATES		
	Original	Amended	Actual
	71,440,700		
EXECUTIVE AND SUPPORT SERVICES			
Minister's Office			
Minister's Office	253,100		
General Administration			
Executive Support	1,405,900		
Administrative Support	100		
Executive and Support Services Subtotal	1,659,100		
FISHERIES AND AQUACULTURE			
Fisheries Programs			
Marketing and Development	1,464,800		
Licensing and Quality Assurance	2,030,900		
Atlantic Fisheries Fund	9,011,600		
Sustainable Fisheries Resources and Oceans Policy	700,300		
Coordination and Support Services	500,000		
Revenue – Federal (Coordination and Support Services)	(500,000)		
Revenue – Provincial (Seal Product Inventory Financing Repayment)	(150,000)		
Aquaculture Development			
Aquaculture Development and Management	955,700		

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Aquaculture Capital Equity Investment	5,000,000		
Aquatic Animal Health			
Aquatic Animal Health	1,698,700		
Fisheries and Aquaculture Subtotal	20,712,000		
FORESTRY AND WILDLIFE			
FOREST MANAGEMENT			
Administration and Program Planning	3,077,300		
Operations and Implementation	8,606,800		
Silviculture Development	3,627,800		
FOREST PROTECTION			
Insect Control	2,145,100		
Fire Suppression and Communications	3,357,000		
Revenue – Provincial (Fire Suppression and Communications)	-		
WILDLIFE			
Wildlife Operations	4,308,900		
Cooperative Wildlife Projects	1,761,800		
Revenue – Federal	(1,586,400)		
Forestry and Wildlife Subtotal	25,298,300		
AGRICULTURE AND LANDS			
LAND MANAGEMENT			
Land Management	3,117,100		
Revenue – Provincial	(8,653,000)		
Land Development	1,301,900		
AGRICULTURE PRODUCTION AND RESEARCH			
Agriculture Production and Research	5,543,800		
Revenue – Federal (Agriculture Production and Research)	(230,600)		

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Revenue – Provincial (Agriculture Production and Research)	(19,000)		
Marketing Board	225,900		
Limestone Sales	431,800		
Revenue – Provincial (Limestone sales)	(147,500)		
AGRICULTURAL BUSINESS DEVELOPMENT			
Agricultural Business Development Administration	1,216,000		
Agriinsurance and Livestock Insurance	445,700		
Revenue – Federal (Agriinsurance and Livestock Insurance)	(202,800)		
Agricultural Initiatives	2,250,000		
Canadian Agricultural Partnership	7,523,600		
Revenue – Federal (Canadian Agricultural Partnership)	(4,679,800)		
Revenue – Provincial (Canadian Agricultural Partnership)	(10,000)		
ANIMAL HEALTH			
Administration and Support Services	3,634,000		
Revenue - Federal	-		
Revenue – Provincial	(1,300,000)		
LANDS			
Crown Land	3,824,400		
Revenue - Provincial	-		
Agriculture and Lands Subtotal	15,314,700		
ENFORCEMENT AND RESOURCES SERVICES			
POLICY AND PLANNING SERVICES			
Policy, Planning and Administration	1,432,400		
Revenue – Provincial	(12,000)		
GIS AND MAPPING			

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GIS and Mapping	1,296,100		
Revenue - Provincial	(50,000)		
ENFORCEMENT			
Compliance	1,287,200		
Enforcement	4,502,900		
Enforcement and Resource Services	8,456,600		
<u>Department Total</u>	71,440,700		

*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, 2021*.