

Manitoba Conservation and Climate
Conservation et Climat Manitoba

**Annual Report
2019-2020**

**Rapport annuel
2019-2020**

Manitoba Conservation and Climate
200 Saulteaux Crescent, Winnipeg, MB R3J 3W3
Phone: 204-945-6784
toll free (if applicable): 1-800-214-6497
fax: 204-945-4232
email: cc@gov.mb.ca

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**MINISTER OF
CONSERVATION AND CLIMATE**

Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable Janice C. Filmon, C.M., O.M.
Lieutenant Governor of Manitoba
Room 235, Legislative Building
Winnipeg, Manitoba R3C 0V8

May It Please Your Honour:

I have the privilege of presenting for the information of Your Honour, the Annual Report of Manitoba Conservation and Climate for the fiscal year ending March 31, 2020.

This report puts emphasis on the department's key accomplishments and strategic initiatives that incorporate programs and actions to manage Manitoba's diverse ecosystems and natural resources for today and for future generations. It reflects on our journey to combat and adapt to climate change, and help build a safer, greener and more prosperous Manitoba.

This report reiterates the fact that our department considers development in a way that acknowledges the importance of and need to balance environment, economic and social objectives for the well-being of Manitobans.



Respectfully submitted,

Original signed by

Sarah Guillemard
Minister



**MINISTRE DE LA
CONSERVATION ET DU CLIMAT**

**PALAIS LÉGISLATIF
WINNIPEG (MANITOBA) CANADA
R3C 0V8**

Son Honneur l'honorable Janice C. Filmon, C.M., O.M.
Lieutenante-Gouverneure du Manitoba
Palais législatif, bureau 235
Winnipeg (Manitoba) R3C 0V8

Madame la Lieutenante-Gouverneure,

J'ai l'honneur de vous présenter, à titre d'information, le rapport annuel du ministère de la Conservation et du Climat pour l'exercice qui a pris fin le 31 mars 2020.

Le rapport met en évidence les principales réalisations et initiatives stratégiques du ministère, dont des programmes et mesures visant à gérer les divers écosystèmes et les ressources naturelles du Manitoba dans l'intérêt de la population actuelle et des générations à venir. Il expose notre démarche pour lutter contre le changement climatique et nous y adapter et pour aider à construire un Manitoba plus sûr, plus vert et plus prospère.

Le ministère y réitère le fait qu'il considère le développement d'une manière qui reconnaît l'importance et la nécessité d'un équilibre entre les objectifs environnementaux, économiques et sociaux pour le bien-être de la population manitobaine.

Je vous prie d'agréer, Madame la Lieutenante-Gouverneure, l'expression de mon profond respect.



La ministre de la Conservation et du
Climat,

original signé par

Sarah Guillemard



Conservation and Climate
Deputy Minister

Room 350 Legislative Building
Winnipeg MB R3C 0V8
T 204-945-3785
dmcc@leg.gov.mb.ca

Honourable Sarah Guillemard
Minister of Conservation and Climate
Room 344 Legislative Building
Winnipeg MB R3C 0V8

Dear Minister:

I am pleased to present for your approval the Annual Report of Manitoba Conservation and Climate for the period of April 1, 2019 to March 31, 2020. This report provides highlights of the department's programs and activities carried out in the last fiscal year.

The department is committed to delivering programs and services to protect our invaluable environment and sustainably manage our natural resources, while balancing diverse interests of Manitobans and ensuring a prosperous and environmentally-conscious economy. It is to the collective credit of the talented and dedicated workforce that Conservation and Climate provides quality programs and services for the protection of the environment and natural resources in Manitoba.

We look forward to continuing this positive momentum in the years to come.

Sincerely,

Original signed by

Jan Forster
Deputy Minister





Ministère de la Conservation et du Climat
Sous-ministre

Palais législatif, bureau 350
Winnipeg (Manitoba) R3C 0V8
Tél. : 204 945-3785

dmcc@leg.gov.mb.ca

Madame Sarah Guillemard
Ministre de la Conservation et du Climat
Palais législatif, bureau 344
Winnipeg (Manitoba) R3C 0V8

Madame la Ministre,

J'ai le plaisir de vous soumettre, pour approbation, le rapport annuel du ministère de la Conservation et du Climat pour la période allant du 1^{er} avril 2019 au 31 mars 2020. Il présente les faits saillants des programmes et activités du ministère pour le dernier exercice.

Le ministère est résolu à offrir des programmes et des services visant à protéger notre précieux environnement et à gérer nos ressources naturelles de manière durable, tout en maintenant un équilibre entre les divers intérêts de la population manitobaine et en favorisant une économie prospère et respectueuse de l'environnement. C'est grâce au talent et au dévouement de son personnel que le ministère de la Conservation et du Climat peut proposer des programmes et des services de qualité pour la protection de l'environnement et des ressources naturelles du Manitoba.

Nous espérons poursuivre sur cet élan positif dans les années à venir.

Je vous prie d'agréer, Madame la Ministre, l'expression de mon profond respect.



La sous-ministre,

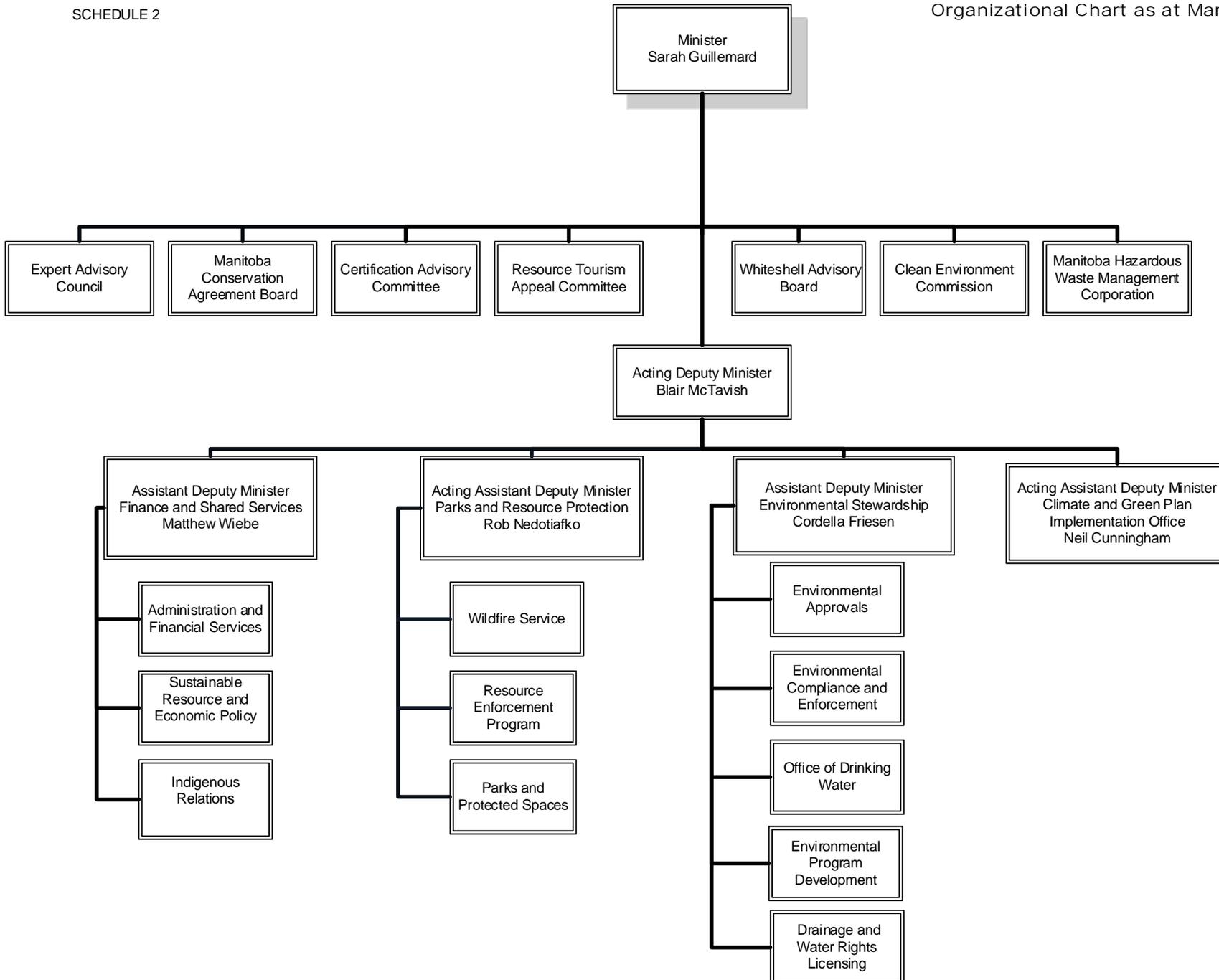
original signé par

Jan Forster

Table of Contents

Preface.....	4
Préface.....	6
Highlights	8
Faits saillants	11
Statutory Responsibilities	14
FINANCE AND SHARED SERVICES	15
Minister’s Salary	15
Executive Support	15
Administration and Financial Services.....	16
Clean Environment Commission	19
Sustainable Resource and Economic Policy	20
Indigenous Relations.....	21
PARKS AND RESOURCE PROTECTION.....	22
Parks and Protected Spaces.....	22
Wildfire Service	36
Resource Enforcement.....	47
ENVIRONMENTAL STEWARDSHIP	56
Divisional Administration	56
Environmental Compliance and Enforcement	57
Environmental Approvals	61
Environmental Program Development.....	64
Office of Drinking Water	66
WATER STEWARDSHIP & BIODIVERSITY.....	71
Drainage and Water Rights Licensing.....	71
CLIMATE AND GREEN PLAN IMPLEMENTATION OFFICE	73
Wildfire Service – Actual Suppression.....	76
Part A - Costs Related to Capital Assets.....	77
Part B – Capital Investment.....	78
General Assets.....	78
Infrastructure Assets	78
Revenue and Expenditure Summaries.....	80

Performance Reporting Table 2019/20	86
The Public Interest Disclosure (Whistleblower Protection) Act.....	95
Regulatory Accountability and Red Tape Reduction	96
List of Tables.....	98



Preface

Report Structure

This annual report is organized in accordance with the department's appropriation structure, which reflects the department's authorized votes approved by the Legislative Assembly. The report includes information at the main and sub-appropriation levels relating to the department's objectives, actual results achieved, financial performance and variances, and provides a five-year historical table of departmental expenditures and staffing. Expenditures and revenue variance explanations previously contained in the Public Accounts of Manitoba are now provided in this annual report.

Vision and Mission

Conservation and Climate's vision is to sustainably manage resources and protect the province's environment and rich biodiversity of natural resources by working cooperatively with the public, Indigenous communities, governments, stakeholders, and other agencies, striking a balance between protecting the integrity of the environment and meeting the social and economic needs of Manitobans.

The department carries out its vision and mission through:

- development and administration of legislation and regulations pertaining to natural resources, environment, pollution prevention, and climate change;
- monitoring and allocating sustainable natural resource uses;
- ensuring environmental protection by leading the review, assessment, approval, licensing and appeals processes for development activities;
- managing and monitoring environmental and water quality;
- administration of grant funding programs to support departmental and government priorities; and,
- respecting and upholding the honour of the Crown with respect to the rights of Indigenous peoples and reconciling relationships.

Conservation and Climate ensures compliance with legislation through education, voluntary action, negotiation, audit and enforcement. The department contributes to the economic development and well-being of Manitobans through managing commercial use of natural resources; providing recreational, land, water and resource based opportunities; and supporting community initiatives through grant funding programs. The department is responsible for ensuring the sustainability of natural resources for all Manitobans, and for the continuance of the rights of Indigenous peoples. The department also protects people, property, and resource values from wildfires and the adverse effects of other natural and human caused occurrences.

The Government of Manitoba established the Climate and Green Plan Implementation Office (CGPIO) to ensure delivery of the Made-in-Manitoba Climate and Green Plan. The office reports centrally to a management committee of the Clerk of the Executive Council. This reporting structure establishes and maintains a whole-of-government approach on the comprehensive plan.

In 2019/20, the department of Sustainable Development's name changed to Conservation and Climate. Changes were made to the organizational structure in Wildlife and Fisheries, Lands, Forestry, GeoManitoba, and Water Science and Watershed Management, which moved to Agriculture and Resource Development. These changes took full effect in October 2019.

Préface

Structure du rapport

Le rapport annuel suit la structure des crédits du ministère, qui reflète les crédits autorisés approuvés par l'Assemblée législative. Il comprend des renseignements sur les objectifs du ministère, sur les résultats obtenus ainsi que sur le rendement et les écarts financiers pour les crédits principaux et les sous-crédits. On y trouve également un tableau récapitulatif des dépenses et de la dotation du ministère pour les cinq dernières années. Les explications des écarts en matière de dépenses et de recettes auparavant contenues dans les comptes publics du Manitoba sont maintenant présentées dans le rapport annuel.

Vision et mission

Le ministère de la Conservation et du Climat a pour vision de gérer et de protéger de façon durable l'environnement de la province et la riche biodiversité de ses ressources naturelles. Il travaille donc en collaboration avec le public, les communautés autochtones, les gouvernements, les intéressés et d'autres organismes afin de trouver un équilibre entre, d'une part, la protection de l'intégrité de l'environnement et, d'autre part, la satisfaction des besoins sociaux et économiques de la population manitobaine.

Pour remplir sa vision et sa mission, le ministère s'acquitte des fonctions suivantes:

- élaborer et appliquer les lois et règlements touchant les ressources naturelles, l'environnement, la prévention de la pollution et le changement climatique;
- encadrer et répartir l'utilisation durable des ressources naturelles;
- protéger l'environnement en dirigeant les processus d'examen, d'évaluation, d'approbation, d'autorisation et d'appel liés aux activités d'aménagement;
- gérer et surveiller la qualité de l'environnement et de l'eau;
- administrer des programmes de subventions en appui aux priorités ministérielles et gouvernementales;
- respecter et préserver l'honneur de l'État pour ce qui est des droits des Autochtones et de la réconciliation des relations.

Le ministère veille au respect des lois par des mesures d'éducation, de volontariat, de négociation, d'audit et d'application de la loi. Il contribue au développement économique et au bien-être de la province en gérant l'utilisation commerciale des ressources naturelles, en offrant des possibilités axées sur les loisirs, les terres, l'eau et les ressources et en soutenant des initiatives communautaires par l'entremise de programmes de subventions. Il veille à la durabilité des ressources naturelles pour tous les Manitobains et au maintien des droits des Autochtones. Il protège également les personnes, les biens et les ressources contre les incendies échappés et les effets néfastes d'autres événements d'origine naturelle ou humaine.

Le gouvernement du Manitoba a créé le Bureau de mise en œuvre du Plan vert et climatique pour veiller à l'exécution du plan. Le bureau relève d'un comité de gestion du greffier du Conseil exécutif. Cette structure hiérarchique permet d'établir et de maintenir une approche pangouvernementale pour l'ensemble du plan.

En 2019-2020, le ministère du Développement durable est devenu le ministère de la Conservation et du Climat. Des changements organisationnels, entrés en vigueur en octobre 2019, ont été apportés aux éléments suivants : Faune et pêche, Terres domaniales, Forêts, GéoManitoba, et la Direction des sciences de l'eau et de la gestion des bassins hydrographiques, qui est passée au ministère de l'Agriculture et du Développement des ressources.

Highlights

- Parks collaborated with Skownan First Nation in their successful Challenge Fund application to expand the protection of Chitek Lake Anishinaabe Provincial Park. The project is Indigenous-led and will conserve biodiversity, protect species at risk, and enhance the ecological integrity, connectivity and size of Manitoba's protected areas network, and will also create jobs and support local economies.
- Parks completed construction works on significant renovations to the washroom/shower facilities at Grand Beach Provincial Park including new accessible, gender-neutral showers and washrooms. Construction began on a new laundry building at this location.
- Parks expanded Manitoba's network of protected and conserved areas by 620 hectares through designation of the permanently protected Skylake Wildlife Management Area, and by adding 787 hectares of Manitoba Habitat Heritage Corporation lands meeting updated reporting criteria.
- Parks initiated playground improvements in Grass River (Gyles Campground), Whiteshell (Brereton Lake), Turtle Mountain (Adam Lake), Moose Lake and Grand Beach Provincial Parks. All structures provide some level of accessibility while the Grand Beach installation focuses on creating a larger inclusive structure.
- Parks' Beach Safety Officers made 29,201 visitor contacts at Birds Hill, Grand Beach and Winnipeg Beach during summer 2019. The nature of contacts primarily consisted of public inquiries, child supervision reminders to parents/guardians and injury prevention education. Beach Safety Officers responded to eight major medical emergencies and four water rescues. Beach safety services are provided under service agreements with two Manitoba companies - Criti Care EMS Inc. at Birds Hill Provincial Park, and Emergency Rescue Response Services at Grand Beach and Winnipeg Beach Provincial Parks.
- Manitoba was a successful recipient of Cabela's Canada Outdoor Fund grant funding of \$10,600, which supported provincial parks' lifejacket loan program. Funding was directed towards purchase of replacement lifejackets for high use locations of Birds Hill, Spruce Woods and St. Malo, Stephenfield, Rainbow Beach and Manipogo Provincial Parks.
- Grand Beach (West Beach) was re-certified under the Blue Flag Program. The Blue Flag is a highly respected and recognized international eco-label that symbolizes clean and well-managed beaches and marinas. This international designation recognizes the beach's high standards of services related to environmental management, water quality, environmental education and safety.
- Parks conducted school programs in all seven locations in June and over the fall, winter and spring at Birds Hill, Spruce Woods and Whiteshell Parks. Programs are correlated to the Manitoba Education School Curriculum, and over 300 school programs were delivered to approximately 10,000 Manitoba students. Interpreters also provided support to the regional and provincial Manitoba Envirothon events.

- Park Rewards Programs continued through children’s activity booklets and the Passport to Adventure. These were available for distribution in every campground and at every interpretive event. Three children’s activity booklets were available – Nature Detectives (ages three to five), Junior Naturalists (ages six to nine) and Park Explorers (ages 10-12). The Passport to Adventure is available for everyone. To date, approximately 2,300 park visits have been prompted by the program since its inception in 2009.
- Parks and Resource Protection’s canine team was used throughout the province on a variety of compliance checks and investigations of illegal fishing and hunting activities. This included 11 decoy operations, 32 night hunting patrols, 15 occurrences of searching for evidence in both non-confined and confined areas, six searches of vehicles, three searches for suspects and seven cases of assistance with search warrants.
- The twelve industry-funded stewardship programs that operate under The Waste Reduction and Prevention Act regulations collectively diverted over 135,000 tonnes of end-of-life materials from Manitoba landfills in 2018. A total of 55,387 tonnes of organic waste was diverted to compost facilities participating in the Manitoba Composts Support Payment program in 2019.
- Office of Drinking Water (ODW) monitored raw and treated water quality for 411 public water systems and 757 semi-public water systems. It issued 23 new public water system operating licences, 56 renewals, five amendments and 12 revocations, bringing the total number of licensed public water systems to 399. Also, it issued 74 new semi-public water system operating licences, 39 interim operating licences, 27 renewals, three amendments and nine revocations, bringing the total number of licensed semi-public water systems to 689. By the end of the fiscal year, 95 semi-public water systems had closed due to COVID-19.
- ODW continued its work of licensing Hutterite community water systems. By the end of 2019/20, 62 out of the 109 Hutterite communities in the province (56 per cent) were licensed or in the process of being licensed with an additional 20 communities having initiated but not yet completed the process. In response to the COVID-19 pandemic, ODW developed and distributed regular email updates to water system owners and operators in a “questions and answers” format.
- The Climate and Green Plan Implementation Office (CGPIO) announced the implementation of higher renewable fuel targets in Manitoba, increasing the minimum ethanol content in gasoline to 10 per cent and the renewable diesel content in diesel fuel to 5 per cent. It launched the GROW and Conservation Trusts with a total investment of \$152 million and annual funding for climate mitigation and adaptation projects through the Manitoba Climate and Green Fund with an allocation of \$40 million to support the implementation of the Plan.
- In June 2019, the Government of Manitoba established a cumulative GHG emissions reduction goal of one megatonne of carbon dioxide equivalent relative to a forecast of the total greenhouse gas emissions that would have occurred in the period of January 1, 2018 to December 31, 2022. Efficient Trucking Program, a financial program was launched to assist heavy equipment owners to install fuel saving devices or technologies related to tire and rolling resistance, aerodynamic technology and anti-idling

technology for their heavy-duty vehicles or trailers in partnership with Government of Canada. Efficiency Manitoba officially commenced operations and implementation activities associated with its first three-year efficiency plan on April 1, 2020.

- Finance and Shared Services (FSS) re-platformed the Clean Environment Commission internet site and webpage publishing approach, to bring an enhanced support, and expedited content delivery focus to the site and key commission hearings and reports.
- FSS welcomed the fourth cohort of participants into the Certificate of Indigenous Relations Program (CIRP), addressing Call to Action #57 of the Truth and Reconciliation Report – educating public servants about the history of Aboriginal Peoples, including the history and legacy of residential schools, the United Nations Declaration on the Rights of Indigenous Peoples, Treaties and Aboriginal Rights, Indigenous Law and Aboriginal-Crown relations.

Faits saillants

- La Direction des parcs a collaboré avec la Première nation de Skownan dans le cadre de sa demande au fonds Défi, qui a été acceptée, afin d'étendre la protection du parc provincial Anishinaabe du Lac-Chitek. Le projet est dirigé par des Autochtones et permettra de conserver la biodiversité, de protéger les espèces en péril et d'améliorer l'intégrité écologique, la connectivité et la taille du réseau de zones protégées du Manitoba, en plus de créer des emplois et de soutenir les économies locales.
- La Direction des parcs a achevé des travaux de rénovation importants des installations sanitaires du parc provincial de Grand Beach, dont de nouvelles douches et toilettes accessibles et non genrées. On a aussi commencé la construction d'un nouveau bâtiment qui abritera une laverie.
- La Direction des parcs a agrandi de 620 hectares le réseau des zones protégées et de conservation du Manitoba par la protection permanente de la zone de gestion de la faune de Skylake et par l'ajout de 787 hectares de terres de la Société protectrice du patrimoine écologique du Manitoba répondant aux critères de déclaration actualisés.
- La Direction des parcs a entrepris des travaux d'amélioration des terrains de jeux dans les parcs provinciaux de la rivière Grass (terrain de camping Gyles), du Whiteshell (lac Brereton), de Turtle Mountain (lac Adam), du lac Moose et de Grand Beach. Toutes les installations offrent un certain niveau d'accessibilité, tandis que celles de Grand Beach visent un aménagement inclusif accru.
- Les agents de sécurité à la plage de la Direction des parcs sont intervenus auprès de 29 201 visiteurs dans les parcs provinciaux de Birds Hill, de Grand Beach et de Winnipeg Beach au cours de l'été 2019. Il s'est surtout agi de demandes de renseignements, de rappels de surveillance des enfants aux parents et tuteurs et d'éducation pour prévenir les blessures. Les agents ont répondu à huit urgences médicales majeures et à quatre sauvetages nautiques. Les services de sécurité à la plage sont fournis dans le cadre d'ententes de services avec deux entreprises manitobaines – Criti Care EMS Inc. au parc provincial de Birds Hill et Emergency Rescue Response Services aux parcs provinciaux de Grand Beach et de Winnipeg Beach.
- Le Manitoba a reçu une subvention de 10,6 \$ du Outdoor Fund de Cabela's Canada, en soutien au programme de prêt de gilets de sauvetage dans les parcs provinciaux. Les fonds ont servi au remplacement de gilets de sauvetage pour des endroits très fréquentés dans les parcs provinciaux de Birds Hill, de Spruce Woods, de Saint-Malo, de Stephenfield, de la plage Rainbow et de Manipogo.
- La plage Grand Beach (West Beach) a de nouveau été certifiée dans le cadre du programme Pavillon Bleu. Le Pavillon Bleu est une écoétiquette très respectée et reconnue à l'échelle mondiale qui symbolise la propreté et la bonne gestion des plages et des marinas. Cette désignation internationale souligne les normes de service élevées de la plage en matière de gestion de l'environnement, de qualité de l'eau, d'éducation environnementale et de sécurité.

- La Direction des parcs a offert des programmes scolaires à sept endroits en juin ainsi dans les parcs provinciaux de Birds Hill, de Spruce Woods et de Whiteshell au cours de l'automne, de l'hiver et du printemps. Les programmes sont arrimés aux curriculums du ministère de l'Éducation du Manitoba. Plus de 300 programmes scolaires ont ainsi été dispensés à environ 10 000 élèves manitobains. Les interprètes sont aussi venus en renfort lors d'activités régionales et provinciales de l'Envirothon Manitoba.
- Les programmes de récompenses dans les parcs se sont poursuivis à chaque terrain de camping et à chacune des activités d'interprétation par la distribution de livrets d'activités pour les enfants et dans le cadre du programme Passeport pour l'aventure. Trois livrets ont été offerts : *Détective de la nature* (pour les 3 à 5 ans), *Jeune naturaliste* (pour les 6 à 9 ans) et *Explorateur de parc* (pour les 10 à 12 ans). Le programme Passeport pour l'aventure est accessible à tous. Depuis sa création en 2009, le programme a suscité 2 300 visites dans les parcs.
- L'escouade canine de Parcs et protection des ressources a été utilisée partout dans la province dans le cadre de diverses vérifications de conformité et enquêtes sur des activités de chasse et de pêche illégales. Il s'est agi notamment de 11 opérations de leurre, de 32 patrouilles de chasse nocturne, de 15 interventions de recherche de preuve dans des zones confinées ou non, de six fouilles de véhicule, de trois recherches de suspect et de sept cas d'assistance avec mandat de perquisition.
- En 2018, les 12 programmes de gestion financés par l'industrie et mis en œuvre en vertu des règlements pris en application de la Loi sur la réduction du volume et de la production des déchets ont permis de détourner des sites d'enfouissement du Manitoba plus de 135 000 tonnes de matériel en fin de vie. Au total, 55 387 tonnes de déchets organiques ont été réacheminées vers des installations de compostage participant au programme de paiements de soutien pour le compostage du Manitoba en 2019.
- Le Service de l'eau potable (SEP) a contrôlé la qualité de l'eau non traitée et de l'eau traitée de 411 réseaux publics d'alimentation en eau et de 757 réseaux semi-publics. Il a délivré 23 nouvelles licences d'exploitation de réseau public, en a renouvelé 56, en a modifié cinq et en révoqué 12, pour un total de 399 réseaux publics d'alimentation en eau agréés. Par ailleurs, il a délivré 74 licences d'exploitation de réseau semi-public et 39 licences provisoires, en a renouvelé 27, en a modifié trois et en a révoqué neuf, pour un total de 689 réseaux semi-publics d'alimentation en eau agréés. À la fin de l'exercice, 95 réseaux semi-publics d'alimentation en eau avaient cessé leurs activités en raison de la COVID-19.
- Le SEP a poursuivi son travail auprès de la communauté huttérienne en vue de l'accréditation de ses réseaux d'alimentation en eau. À la fin de l'exercice 2019-2020, 62 des 109 communautés huttériennes de la province (56 %) détenaient ou étaient en voie de détenir une licence, tandis que 20 autres avaient enclenché le processus. En réponse à la pandémie de COVID-19, le SEP a élaboré et diffusé régulièrement des mises à jour sous forme de foires aux questions aux propriétaires et exploitants de réseaux d'alimentation en eau.
- Bureau de mise en œuvre du Plan vert et climatique a annoncé l'adoption d'objectifs accrus en matière de carburants renouvelables pour le Manitoba, portant à 10 % la

teneur minimale en éthanol dans l'essence et à 5 % la teneur en diesel renouvelable dans le diesel. Il a lancé le Fonds en fiducie du programme d'intendance agricole des bassins hydrographiques et le Fonds en fiducie pour la conservation avec un investissement total de 152 millions de dollars et a poursuivi le financement de projets d'atténuation et d'adaptation liés au climat par l'intermédiaire du Fonds vert et climatique du Manitoba avec une allocation de 40 millions de dollars en soutien à la mise en œuvre du plan.

- En juin 2019, le gouvernement du Manitoba a fixé un objectif de réduction des émissions cumulatives de gaz à effet de serre d'une mégatonne d'équivalent en dioxyde de carbone par rapport à une prévision des émissions totales de GES pour la période du 1^{er} janvier 2018 au 31 décembre 2022. En partenariat avec le gouvernement du Canada, le Manitoba a lancé le Programme d'efficacité énergétique pour le camionnage, un programme financier visant à aider les propriétaires de matériel lourd à installer des dispositifs ou des technologies d'économie de carburant, comme la technologie aérodynamique agissant sur résistance des pneus au roulement et la technologie anti-lentille, sur leurs véhicules lourds ou leurs remorques. Le 1^{er} avril 2020, Efficacité Manitoba a officiellement commencé ses activités de fonctionnement et de mise en œuvre associées à son premier plan triennal.
- Finances et services partagés (FSP) a revu la plateforme du site Internet de la Commission de protection de l'environnement ainsi que les modalités de publication des pages Web afin de renforcer sa structure et d'accélérer la diffusion de son contenu et des principaux rapports et audiences de la Commission.
- FSP a accueilli la quatrième cohorte de participants au Programme de certificat sur les relations avec la communauté autochtone, qui répond à l'appel à l'action n° 57 du rapport de la Commission de vérité et réconciliation : formation des fonctionnaires sur l'histoire des peuples autochtones, y compris en ce qui a trait à l'histoire et aux séquelles des pensionnats, à la Déclaration des Nations Unies sur les droits des peuples autochtones, aux traités et aux droits des Autochtones, au droit autochtone de même qu'aux relations entre l'État et les Autochtones.

Statutory Responsibilities

Manitoba Conservation and Climate is responsible for providing a wide range of central support services to government programs. Services fall under the general categories of central supply and property services. The department operates under the authority of the following acts of the Continuing Consolidated Statutes of Manitoba:

The Biofuels Act, C.C.S.M., chapter B40

The Climate and Green Plan Act, C.C.S.M., chapter C134

The Conservation Agreements Act, C.C.S.M., chapter C 173

The Conservation Officers Act, C.C.S.M., chapter C 177

The Contaminated Sites Remediation Act, C.C.S.M., chapter C 205

The Crown Corporations Governance and Accountability Act

[as it relates to Efficiency Manitoba], C.C.S.M., chapter C336

The Dangerous Goods Handling and Transportation Act, C.C.S.M., chapter D 12

The Drinking Water Safety Act, C.C.S.M., chapter D 101

The East Side Traditional Lands Planning and Special Protected Areas Act, C.C.S.M., chapter E 3

The Ecological Reserves Act, C.C.S.M., chapter E 5

The Efficiency Manitoba Act, C.C.S.M., chapter E 15

The Energy Act, C.C.S.M., chapter E112

The Energy Savings Act, C.C.S.M., chapter E115.5

The Environment Act, C.C.S.M., chapter E 125

The Fishermen's Assistance and Polluters' Liability Act, C.C.S.M., chapter F 100

The Gas Pipeline Act, C.C.S.M., chapter G50

The Gas Allocation Act, C.C.S.M., chapter G52

The Groundwater and Water Well Act [except as it relates to the planning, construction or operation of provincial water control works], C.C.S.M., chapter G110

The Manitoba Hazardous Waste Management Corporation Act, C.C.S.M., chapter H 15

The International Peace Garden Act, C.C.S.M., chapter I 70

The Ozone Depleting Substances Act, C.C.S.M., chapter O 80

The Provincial Parks Act, C.C.S.M., chapter P 20

[except section 16, subsection 21(1), sections 22 and 30, clauses 32(b), (f), (i), (j) and (k), 33(u) and sub-section 34(1), and the Debt Certificate Regulation M.R. 140/96)]

The Pimachiowin Aki World Heritage Fund Act, C.C.S.M., chapter P 70

The Polar Bear Protection Act, C.C.S.M., chapter P 94

The High-Level Radioactive Waste Act, C.C.S.M., chapter R 10

The Renewable Energy Jobs Act, C.C.S.M., chapter R85

The Resource Tourism Operators Act, C.C.S.M., chapter R 119.5

The Upper Fort Garry Heritage Provincial Park Act, C.C.S.M., chapter U 80

The Waste Reduction and Prevention Act, C.C.S.M., chapter W 40

The Water Power Act, C.C.S.M., chapter W60 [except as it relates to the planning, construction or operation of provincial water control works]

The Water Protection Act, C.C.S.M., chapter W65

The Water Resources Conservation Act, C.C.S.M., chapter W72

The Water Rights Act, C.C.S.M., chapter W80

[except as it relates to the planning, construction or operation of provincial water control works]

The Wildfires Act, C.C.S.M., chapter W 128

As per Schedule "D", Order-in-Council No. 319/2019

FINANCE AND SHARED SERVICES

The Finance and Shared Services Division provides executive management of programs and management services, including financial, information services, administrative support, a comptrollership function for the department, planning and policy development, and related programs and facilitation of the engagement of Indigenous people in the department's activities.

Minister's Salary

The sub-appropriation provides the Minister with additional compensation to which an individual appointed to Executive Council is entitled.

Table AF.1
12.1(a) Minister's Salary

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	43	1.00	42	1	
Total 12.1(a)	43	1.00	42	1	

Executive Support

This area includes support staff in the offices of the Minister and Deputy Minister of Conservation and Climate.

The purpose of Executive Support is to develop, implement and oversee policies and programs designed to attain, over the long term, the goals and mandates set for the government and the department; advise the Minister on matters relating to the department; provide policy direction for departmental programs; coordinate departmental communications, activities, and initiatives; and provide administrative support for the offices of the Minister and Deputy Minister.

Table AF.2
12.1(b) Executive Support

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	726	8.00	678	48	
Other Expenditures	101		182	(81)	1.
Total 12.1(b)	827	8.00	860	(33)	

1. Under-expenditure is due to reduced travel and expenditure management.

Administration and Financial Services

Administration and Financial Services is comprised of the following sections:

- Process Improvement and Technology
- Shared Services and Risk Management
- Legislation, Policy and Coordination
- Financial Services

Administration provides executive, financial and administrative leadership, direction, advice and guidance to the department.

The Process Improvement and Technology unit reviews program delivery requirements and delivers an information technology and business process improvement program that provides the department with related strategic, business operational, information technology and financial planning; project management supports; analyses of departmental business requirements; business process improvement and design opportunities; and quality assurance. The unit acts as a liaison for technology issues on behalf of the department.

The Shared Services and Risk Management unit is responsible for providing client and public information services, access to information under the Freedom of Information and Protection of Privacy Act (FIPPA), license/permit distribution, vendor account reconciliation and support for implementation of an licensing service. In addition, the unit coordinates fleet management services, office accommodations, parking administration, records management, delivery of the department's Safety, Health and Risk Management program, coordination of business continuity planning, accessibility, French language services, and department wide insurance and incident resolution coordination.

Financial Services Branch develops, communicates, monitors and evaluates departmental financial policies, systems, and procedures to ensure the effective, efficient and economical operation of departmental financial functions in compliance with requirements of the department, Treasury Board, the department of Finance, and the Office of the Auditor General. It is also responsible for the comptrollership function for the department as it relates to procurement, contracts and grants by providing direction, education, advice, guidance and oversight. Financial Services' scope of activities includes processing payments and revenue receipts, accounting, financial planning, internal reporting, auditing and review, budgeting exercises, capital planning, inventory and licensing. Financial Services Branch is also responsible for the oversight of the department's Winnipeg warehouse which is the equipment/supply storage and mobilization point for branches and the Fire Operations Centre. In emergencies, such as fire and flood, the warehouse becomes the logistical support base for all equipment.

The Legislation, Policy and Coordination Branch leads the development and integration of high-priority policy for the department, particularly in areas that cross divisions and departments. The branch initiates, coordinates and supports legislation and regulation development, amendments and analysis, and is responsible for implementing Regulatory Accountability in the department. The branch also directly supports the department's Executive Management Committee in planning and execution of department and government mandates, and works with the Deputy Minister's and Minister's offices to resolve high-profile issues. The branch is also responsible for development and delivery of the

Certificate of Indigenous Relations Program (CIRP), with support from Agriculture and Resource Development.

The department is responsible for the administration and enforcement of 50 Acts and 144 accompanying regulations, plus additional responsibilities under federal statutes. In this regard, the branch provides technical and analytical support to all branches with the interpretation of legislation, and supports the development of new Acts and/or regulations, or amendments. It is the lead in supporting the department's Executive Management Committee on department-wide legislative priorities and initiatives.

Key Results Achieved:

- Furthered the department's approach to analyzing existing operations and expanded a continuous improvement practice across the organization as a means to realize productivity efficiencies and improved, client-centered service. Department business practices and processes were reviewed and redefined so as to produce priority aligned deliverables with less red-tape.
- Expanded on opportunities for departmental collaboration, productivity and decision-making through SharePoint, and continued support to individual and group web conferencing software and the departmental intranet site.
- Re-platformed the Clean Environment Commission internet site and webpage publishing approach, to bring an enhanced support, and expedited content delivery focus to the site and key commission hearings and reports.
- Led a cross-department committee that conducted detailed planning for the implementation of a new electronic licensing platform for public use, to be launched in April 2020.
- Streamlined the transition of Manitoba's Geographic Names Program support system, to a new, modern, standard and sustainable desktop method of nomenclature record management.
- Spearheaded proposal and approval to a whole-of-government shift in printer toner procurement – as a second stage to the 2019 print reduction project. The implementation of a printer controlled automatic toner delivery system expands on the department's past work and commitment to realizing financial and environmental savings, in paper and toner reduction, and related supply ordering overhead.
- Continued to work with government computer application developers in the production of new and enhanced business systems, and in the delivery of new technology.
- The department's French Language Service (FLS) committee implemented actions identified in the department's 2018-2021 multi-year strategic plan to improve French language services within the department to ensure compliance with The Francophone Enhancement and Support Act and the French Language Service Policy.

- The department's Diversity and Inclusion Committee amalgamated with the Accessibility Committee to streamline activities and enhance committee participation. To promote Access Awareness Week (June) a memo from the Deputy Minister of Conservation and Climate was distributed to all staff with new guidelines for managers and employees to support the Accessibility Employment Standard. Conservation and Climate presented with Civil Service Commission on Navigating Workplace Accommodations to support Disability Employment Awareness Month (October). The department also hosted a learning event for employees to create awareness for Orange Shirt Day. 70 employees attended from Conservation and Climate to open the door to conversations about Residential Schools. Staff attended a presentation on Accessibility in the Future to enhance awareness of people living with barriers and celebrate International Day of Persons with Disabilities.
- Detailed information regarding The Freedom of Information and Protection of Privacy Act, including information specific to Conservation and Climate, can be found in the FIPPA Annual Report at: https://www.gov.mb.ca/fippa/annual_reports/index.html
- The branch, along side Indigenous Relations, had extensive involvement with the planning and delivery of the Certificate of Indigenous Relations Program (CIRP). Branch staff participated in the delivery of webinars to share the structure of the program with various provincial staff and staff from BC. CIRP was the recipient of the Institute of Public Administration of Canada (IPAC) Public Sector Leadership & Excellence Gold Medal Award in 2019.

Table AF.3
12.1(c) Administration and Financial Services

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	4,047	57.00	4,431	(384)	1.
Other Expenditures	1,656		951	705	2.
Total 12.1(c)	5,703	57.00	5,382	321	

1. Under-expenditure is due to vacancies and voluntary reduced workweek savings.

2. Over-expenditure is due to implementation of the new on-line elicensing program for revenue collection, as well as general operating obligations for settlement of legal costs.

Clean Environment Commission

Under The Environment Act, The Clean Environment Commission (CEC) provides a mechanism through which the public can participate in environmental decision making. The Commission conducts public reviews and hearings into matters of environmental concern, and provides advice and recommendations to the Minister. The Commission, while reporting directly to the Minister, is independent of the department.

The Commission issues its own annual report with information on its mandate and operations. Copies can be obtained from the CEC at 305 – 155 Carlton Street, Winnipeg, MB R3C 3H8. The CEC can be contacted at 204-945-0594, or toll free number at 1-800-597-3556, or by fax at 204-945-0090. The CEC's website is www.cecmanitoba.ca

Table AF.4
12.1(d) Clean Environment Commission

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	304	3.00	328	(24)	
Other Expenditures	34		101	(67)	1.
Total 12.1(d)	338	3.00	429	(91)	

1. Under-expenditure is due to completion of hearings.

Sustainable Resource and Economic Policy

Note: As a result of the government restructuring in October 2019, this area worked closely in 2019/20 and will formally merge with the Legislation, Policy and Coordination Branch in 2020/21. Parts of this branch never moved to Agriculture and Resource Development in 2019/20.

The branch is responsible for providing strategic planning support for the development of policy, legislation, and programs for departmental and governmental priorities.

The branch represents the department on interdepartmental, provincial, national, and international agencies, boards and committees. In addition, it also represents Manitoba on national forum for inter-governmental cooperation and on issues related to national and international environment and trade agreements.

The branch's work also involves the delivery of front-line services, such as, the licensing and permitting of approximately 450 resource tourism operations (e.g., lodges and outfitters) under the Resource Tourism Operators Act. It works with the regions and other branches of the department to support environmental protection, and promote the sustainable use and development of Manitoba's natural resources.

Key Results Achieved:

- Provided technical and analytical support to all branches of the department with the interpretation of legislation; supported the development of new acts and/or regulations, or amendments; and supported the department's Executive Management Committee on department-wide legislative priorities and initiatives.
- Welcomed the fourth cohort of participants into the Certificate of Indigenous Relations Program (CIRP), addressing Call to Action #57 of the Truth and Reconciliation Report – educating public servants about the history of Aboriginal Peoples, including the history and legacy of residential schools, the United Nations Declaration on the Rights of Indigenous Peoples, Treaties and Aboriginal Rights, Indigenous Law and Aboriginal-Crown relations.

Table AF.5
12.1(e) Sustainable Resource and Economic Policy

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	138	1.00	100	38	
Other Expenditures	0		5	(5)	
Total 12.1(e)	138	1.00	105	33	

Indigenous Relations

The Indigenous Relations Branch supports branches in building relationships between the department and Indigenous communities of Manitoba. These relationships are necessary to maintain an ever increasing level of programs and services to benefit all Manitobans. Through engagement, education and guidance, the branch continues to achieve successful outcomes and work towards Reconciliation.

Key Results Achieved:

- Designed and managed the Certificate of Indigenous Relations Program (CIRP) for the department to provide training on Indigenous relations to staff to enhance Reconciliation with Indigenous communities in Manitoba. The program was nominated for a Service Excellence Award in 2017 and is in its fourth year.
- Maintained the Indigenous Relations intranet site. This site was designed for staff to have easy access to Indigenous related resources on various topics including: engagement, consultation and accommodation, education opportunities, Reconciliation, rights, maps and land use planning, community information, current news and culture and tradition.

Table AF.6
12.1(f) Indigenous Relations

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	145	3.00	349	(204)	
Other Expenditures	39		257	(218)	
Total 12.1(f)	184	3.00	606	(422)	1.

1. Under-expenditure is due to vacancies and lower grant payments.

PARKS AND RESOURCE PROTECTION

Parks and Protected Spaces

Parks and Protected Spaces Branch is responsible for managing provincial parks, ecological reserves and the Canadian Heritage Rivers System, as well as, building a protected areas network for the long-term benefit of Manitobans and the environment. These lands help protect unique natural, cultural and heritage features and resources, conserve ecosystems, and provide recreational and educational opportunities to approximately five million visitors each year.

Key Results Achieved:

- Generated \$18.8 million in revenue from persons using the parks for personal enjoyment, commercial use and general use.
- Park visit frequencies reached approximately 5.7 million with cabin, yurt, and group use and campsite reservations numbering 80,279.
- There was a continued focus on environmental infrastructure including water and wastewater systems and investments for the replacement and upgrading of existing park facilities.

Administration Section

The Administration section is responsible for establishing strategic direction and guidelines, ensuring conformity to department policies and government goals, and assessing the effectiveness of the programs and services offered to the public. The section provides many functions including administrative and human resource support, capital budget coordination and management of fees collected from park users, commercial concessions and leased properties. Work programs are reviewed to ensure that goals are met and expenditures conform to estimates, legislation and policies. The branch participates on the Canadian Heritage Rivers Board and the Canadian Parks Council. Grants were provided to the International Peace Garden, Manitoba Wildlife Foundation (upkeep and public programs at Fort Whyte Alive) and the Manitoba Coalition for Safer Waters (water safety, public education and programming).

Key Results Achieved:

- Managed park programs and facilities in accordance with policies, procedures and standards to meet branch, department and government goals.
- Developed park programs and facilities according to branch current and capital spending estimates.
- Provided grants to organizations that implement activities in accordance with branch policy, departmental mission and government priorities.

Planning and Protected Areas Section

The Planning and Protected Areas section guides establishment and management of provincial parks and ecological reserves, and manages the Protected Areas Initiative and the Canadian Heritage Rivers Program in Manitoba.

Key Results Achieved:

- Reviewed Environment Act licence proposals, Crown land circulars and related items for proposed developments to assess possible implications on lands of interest administered by the branch (provincial parks, park reserves, ecological reserves, areas of special interest and proposed protected areas).
- Consulted with Indigenous communities, stakeholders, and the public to advance park system planning and protected areas establishment.
- Participated in Pathway to Canada Target 1 working groups (accounting, Indigenous protected and conserved areas (IPCAs), connectivity, key biodiversity areas (KBAs), and ecological representations) to establish Canadian standards and conservation tools along with Canada's federal, provincial and territorial departments responsible for parks, protected areas, conservation, wildlife and biodiversity.

Park System Planning and Ecology

This unit is responsible for the strategic direction of the Manitoba provincial park system, as well as, reviewing park reserves for permanent designation and establishing both new and revised park boundaries, classifications, primary park goals and objectives, and land use categories. These activities are done through engagement with the public, industry, stakeholders, Indigenous peoples and government agencies.

Key Results Achieved:

- Engaged with Nisichawayasihk Cree Nation on finalizing a designation for the one remaining park reserve, Amisk Park Reserve.
- Collaborated with Skownan First Nation in their successful Challenge Fund application to expand the protection of Chitek Lake Anishinaabe Provincial Park. The project is Indigenous-led and will conserve biodiversity; protect species at risk; and enhance the ecological integrity, connectivity and size of Manitoba's protected areas network, and will also create jobs and support local economies.
- Collaborated with Fisher River Cree Nation and Canadian Parks and Wilderness Committee in their successful Challenge Fund application to expand protection in the Fisher Bay Provincial Park region. The project is Indigenous-led and will conserve biodiversity; protect species at risk; and enhance the ecological integrity, connectivity and size of Manitoba's protected areas network, and will also create jobs and support local economies.
- Facilitated haying in Spruce Woods and Beaudry provincial parks to meet an emergency demand for hay which benefited the ecological health of the prairie.

- Thirty four park permits were issued for conducting scientific research in the provincial parks.
- Updated the Park System Plan and had the document translated into French.

Ecological Reserves

Ecological reserves are established under The Ecological Reserves Act to protect areas with unique and representative plants, animals, geologic features, natural landscapes and ecological processes.

Key Results Achieved:

- One research permit was issued to monitor bats for white-nosed syndrome in Lake St. George Caves Ecological Reserve.

Management Planning

Development of management plans for individual provincial parks is a requirement of section 11 of The Provincial Parks Act. Management plans provide long-term direction for the provincial parks by establishing guidelines to address issues pertaining to recreation, resource use, development of park land, environmental protection and the preservation of culturally significant areas. They are developed in consultation with the public and Indigenous communities.

Key Results Achieved:

- Work was undertaken to support implementation of guidelines in new park management plans.

Canadian Heritage Rivers System

The Canadian Heritage Rivers System (CHRS) is Canada's national river conservation program. It promotes and enhances Canada's river heritage, and ensures that Canada's leading rivers are managed in a sustainable manner. The CHRS is built on river stewardship, cooperation and public support. Rivers in the CHRS possess outstanding natural and/or cultural values, offer quality recreational opportunities and showcase the benefits of healthy river environments, now and in the future. The Bloodvein, Hayes, Red and Seal are Manitoba's Canadian Heritage Rivers.

Key Results Achieved:

- The obligation to submit annual monitoring reports for each of Manitoba's heritage rivers was fulfilled.
- The Manitoba representative on the CHRS Technical Planning Committee served as Chair of that Committee, ensuring that work continued on a number of long-term and new CHRS projects.

Protected Areas Initiative

The Protected Areas Initiative contributes to Manitoba's climate resilient future by building a network of protected and conserved areas that conserves ecosystems and maintain biodiversity in all 16 ecoregions across the province. Protected and conserved areas are natural solutions to climate change, and provide a range of ecological services with direct or indirect economic benefits to communities and businesses, including natural regulation of water flow, water quality improvement, carbon storage and biodiversity conservation.

Currently, 7.2 million hectares (or 11.0 per cent of Manitoba) are included under international standards within Manitoba's network of protected and conserved areas. This includes: two national parks, two national wildlife areas, 30 ecological reserves, all or parts of 34 provincial parks, one interim protected park reserve, all or parts of 52 wildlife management areas, parts of two provincial forests, parts of four traditional land use planning areas, one other effective area-based conservation measure, and private lands owned by Ducks Unlimited Canada, Nature Conservancy of Canada, Nature Manitoba and Manitoba Habitat Heritage Corporation.

Key Results Achieved:

- Developed a framework to reconcile the needs of industry and rural and northern communities while continuing to enhance the network of protected areas in Manitoba's ecoregions.
- Facilitated an Environment and Climate Change Canada contract with a local consulting firm to review fee-simple lands held by Manitoba Habitat Heritage Corporation and the Nature Conservancy of Canada against updated protected and conserved area reporting criteria.
- Expanded Manitoba's network of protected and conserved areas by 620 hectares through designation of the permanently protected Skylake Wildlife Management Area, and by adding 787 hectares of Manitoba Habitat Heritage Corporation lands meeting updated reporting criteria.

Operations and Development Section

The Operations and Development section provides regional operations support, development direction, capital planning, landscape architectural design and project management for Manitoba provincial parks.

Design and Development

The Design and Development unit provides development direction, site planning and public facility design services. The unit is responsible for all facets of planning, design and development within the Manitoba parks system as it relates to park infrastructure, including the budgeting and management of projects. This unit also provides landscape architectural and project management capacity, overseeing the design and implementation of capital works projects within provincial parks. A major function of the unit is the development of new facilities and improvements of existing facilities, ensuring parks have maintainable, operable and accessible facilities that meet visitor expectations and functional requirements.

Key Results Achieved:

- Construction was completed on accessibility improvements at Pisew Falls Provincial Park.
- Construction was completed on new campground offices at Spruce Woods and Asessippi Provincial Parks.
- Pedestrian lighting was installed along the seawall at Winnipeg Beach Provincial Park.
- Construction was completed on a new accessible washroom/shower buildings at Big Whiteshell Lake Campground in Whiteshell Provincial Park and Paint Lake Provincial Park.
- Construction was completed on significant renovations to the washroom/shower facilities at Grand Beach Provincial Park including new accessible, gender-neutral showers and washrooms. Construction began on a new laundry building at this location.
- Construction was completed on minor improvements to waste transfer stations in Grand Beach and Nopiming Provincial Parks.
- A new bunkhouse was constructed at Hecla/Grindstone Provincial Park and bunkhouse improvements began at Spruce Woods Provincial Park.
- Improvement works were completed on the water treatment plant and the wastewater treatment facility at Hecla/Grindstone Provincial Park.
- Construction began on the development of Duff Roblin Provincial Park including an accessible viewing tower.
- Road surface improvement works were completed in the Adam Lake area in Turtle Mountain Provincial Park and the Big Whiteshell area in Whiteshell Provincial Park. Design work was completed for cycling infrastructure improvements at Falcon Lake in Whiteshell Provincial Park.
- Construction was completed on a secondary source well connection to an existing water treatment plant at Grand Beach Provincial Park and construction began on improvements to the Birds Hill South Water Treatment Plant.
- Construction began on improvements to the water treatment facility at Big Whiteshell in Whiteshell Provincial Park.
- Construction was completed on wastewater facility improvements at Adam Lake in Turtle Mountain Provincial Park and the first phase of the Grand Beach wastewater lagoon upgrade project.

- Work began to replace the maintenance shop at Falcon Lake in Whiteshell Provincial Park.
- Playground improvements were initiated in Grass River (Gyles Campground), Whiteshell (Brereton Lake), Turtle Mountain (Adam Lake), Moose Lake and Grand Beach Provincial Parks. All structures provide some level of accessibility while the Grand Beach installation focuses on creating a larger inclusive structure.

Park Operations

The Park Operations Program consists of the large regional contingent of staff and resources that provide direct service delivery at the park level. The branch-based staff (unit) provide centralized planning and support to the four regions in the delivery of the program. The unit coordinates the development of policy and procedures and ensures regulatory requirements are implemented. The unit supports other branch areas, such as, Design and Development, and Cottaging and Commercial Development by providing financial analysis and budget coordination for operations, park improvements and service delivery. This includes the administration, maintenance and reporting of budgets for Parks Part B Capital, Parks Minor Capital and Property Service Fees. The unit is responsible for the administration and delivery of the Park District Services Fees program which consists of the tracking, reporting and calculation framework for recovering the costs of delivering services to cottagers through a fee system.

Key Results Achieved:

- A significant review of solid waste handling in the Whiteshell was conducted which included consultation with various stakeholders to develop a plan for improved recycling and automated waste pickup.
- Allocated almost \$1 million in funding towards preventative maintenance for park infrastructure and the replacement of small park assets.

Eastern Region

Four new docks were installed in the North Whiteshell including an accessible dock at Big Creek.

Six pit privies were replaced in campgrounds and waysides in the North Whiteshell, St. Malo and Moose Lake Provincial Parks.

Northern Region

Improvements were made to the Bakers Narrows water treatment plant, and a new playground structure was installed.

At Grass River Provincial Park, new information kiosks were installed throughout the canoe route. Backcountry canoe route signage was updated as well as new directional signage installed.

Western Region

Through a partnership with the Friends of Spruce Woods, funds were obtained to make improvements on the Trans-Canada Trail and established an arboretum.

In the Duck Mountains, campsite enhancement work started at Childs Lake, and access to West Blue Lake was re-established after flooding in 2011 and 2014.

Upgrades to a sewage lift station were carried out at Asessippi Provincial Park.

Central Region

Improvements to the campground water treatment plant started; a picnic shelter and other park improvements were donated by several large movie productions filming in the park at Birds Hill.

A new entrance sign was purchased, and a new ski club was formed to provide cross country ski trails at Winnipeg Beach.

Improvements to waste handling were made at Hnusa/Camp Morton to streamline garbage pickup.

Extensive tree removal occurred at Beaudry and Stephenfield Provincial Parks following the severe windstorm.

Accessibility improvement were made to the Lundar campground office.

A new play structure was supplied and installed by the Teulon Game and Fish Association at Norris Lake.

At Hecla Provincial Park, the Hecla lighthouse was renovated; the entrance sign was refurbished and renovations to the Hecla School continued.

New multi-use trails and dog beaches were designated at Grand Beach.

Recreation and Education Services Section

The Recreation and Education Services section sets the direction of the outdoor recreation, beach safety and the interpretation programs in Manitoba provincial parks. It evaluates and implements new initiatives in campground, day use, backcountry management and outdoor education, as well as, customer service training and volunteer activities. The section guides and supports Regional Operations in ensuring high quality outdoor recreational experiences. This includes analysis of operating strategies and procedures, policy review, market research, marketing strategy development, promotion, and statistical compilation and trend evaluation.

Recreation Programming

The Recreation Programming unit is responsible to provide recreational opportunities that are diverse in scope through camping, cabins, yurts, and group use facilities by providing fair and equitable access to provincial parks. The program ensures that both field and head office staff provides quality customer service. The Parks Reservation service and Seasonal Camping service are major components of the recreation programming unit.

Key Results Achieved:

- The unit ensured delivery of recreation programming in Manitoba's provincial parks including nightly stay and seasonal camping, cabins and yurts, group use, parks reservation service and campground hosting.
- Reservations were made available through a call center, online, and through 32 campground offices in 2019. There were three opening days for reservations. Cabin, yurt, group-use area and Birds Hill campground reservations opened in mid-March, followed by Whiteshell and Winnipeg Beach, on the first Monday in April, and all other campgrounds two days later.
- Grand Beach campground was converted to pay showers and the building modified to add new accessible washroom and shower stalls.
- Park programs and initiatives were promoted through daily tweets, Facebook posts, news releases, and handouts. Information included opening and closing dates, free park entry on select weekends and the Parks Reservation Service.

Beach Safety

The Beach Safety Program is primarily focused on public education and water safety. Safety measures provided at 83 provincial park beaches include signage and public education materials, buoy lines, and risk management. Beach Safety Officers provided on-site water safety education and emergency response at three high-use provincial park beaches – Birds Hill, Grand Beach and Winnipeg Beach.

Key Results Achieved:

- Beach Safety Officers made 29,201 visitor contacts at Birds Hill, Grand Beach and Winnipeg Beach during summer 2019. The nature of contacts primarily consisted of public inquiries, child supervision reminders to parents/guardians and injury prevention education. Beach Safety Officers responded to eight major medical emergencies and four water rescues. Beach safety services are provided under service agreements with two Manitoba companies - Criti Care EMS Inc. at Birds Hill Provincial Park, and Emergency Rescue Response Services at Grand Beach and Winnipeg Beach Provincial Parks.
- St. Malo Provincial Park continued delivery of the Beach Smart water safety program at Main Beach and Sunset Shores Beach. Beach Smart Interpreters delivered water safety education messaging to 2,519 park visitors during summer 2019. Additional Beach Smart

program components offered to park visitors include life preserver ring stations with emergency alarms as well as life jacket loan kiosks.

- Manitoba was a successful recipient of Cabela's Canada Outdoor Fund grant funding of \$10,600, which supported provincial parks' lifejacket loan program. Funding was directed towards purchase of replacement lifejackets for high use locations of Birds Hill, Spruce Woods and St. Malo, Stephenfield, Rainbow Beach and Manipogo Provincial Parks.
- Grand Beach (West Beach) was re-certified under the Blue Flag Program. The Blue Flag is a highly respected and recognized international eco-label that symbolizes clean and well-managed beaches and marinas. This international designation recognizes the beach's high standards of services related to environmental management, water quality, environmental education and safety.
- The branch continued to work with the Manitoba Coalition for Safer Waters (MCSW), an inter-agency group that coordinates water and ice safety activities in Manitoba. The department annually provides funding for public education initiatives with a focus on water safety for new Canadians. Funding supported delivery of water safety presentations for 2,190 people, primarily to students and newcomers with English as an Additional Language. Nearly 19,000 newcomers have attended these presentations since 2007.
- Water safety and drowning prevention initiatives and programs in Manitoba is maintained with a Service Purchase Agreement between the Province of Manitoba and Lifesaving Society – Manitoba branch / Manitoba Coalition for Safer Waters. The 2015-19 evaluation of agreement activities demonstrated increased community capacities in a number of areas including swimming skills, recognition and implementation of water safety injury prevention practices, and safer swim environments at the community level.

Interpretation

The Interpretation Program offers visitors a deeper understanding and appreciation of natural and cultural resources in the provincial parks. This also assists the public in understanding the goals and programs of the department. Live field programs complemented by publications, outdoor exhibits and audio-visual materials bring visitors in direct contact with park resources and management. This program also undertakes research leading to brochure development and delivery of live programs throughout the park system.

Key Results Achieved:

- Delivery of the field program including three year-round interpreters' service at Birds Hill, Spruce Woods and Whiteshell Provincial Parks, along with seasonal services from eight interpreters at Malo, St. Norbert, Spruce Woods, and Whiteshell Provincial Parks. In addition, Green Team Interpretive Assistants provided supports at these parks. Tours of the heritage homes at St. Norbert were included as part of the on-site artefact collection management contract.
- Interpreters at St. Malo Provincial Park continued to focus on Beach Smart program messaging to the beach users.

- Interpreters at Grand Beach delivered environmental education programming to meet the Blue Flag designation requirements.
- Interpreter at Hecla/Grindstone supported Wildlife and Fisheries Branch with interpretation at the Narcisse Snake Dens for spring mating season.
- Interpreters contacted approximately 60,000 visitors at interpreter-led events and in interpretive centres and museums. The average individual program attendance continues to increase annually, demonstrating a strong interest and demand in interpretive programming.
- Coordinated annual Canada Parks Day events in parks across the province.
- School programs were conducted in all seven locations in June and over the fall, winter and spring at Birds Hill, Spruce Woods and Whiteshell Parks. Programs are correlated to the Manitoba Education School Curriculum, and over 300 school programs were delivered to approximately 10,000 Manitoba students. Interpreters also provided support to the regional and provincial Manitoba Envirothon events.
- Hosted a workshop for science and social studies teachers as part of October in-service and development days, focusing on getting students in all grades into provincial parks.
- Continued partnership with Leave No Trace Canada Program to promote low-impact activities in provincial parks and incorporated 'Leave No Trace' principles into interpretive programming and trail refurbishment.
- Annual trail refurbishment initiative saw new trailhead structures and interpretive signs erected in six parks.
- Updated self-guiding trail publications for four locations.
- Park Rewards Programs continued through children's activity booklets and the Passport to Adventure. These were available for distribution in every campground and at every interpretive event. Three children's activity booklets were available – Nature Detectives (ages 3-5), Junior Naturalists (ages 6-9) and Park Explorers (ages 10-12). The Passport to Adventure is available for everyone. To date, approximately 2300 park visits have been prompted by the program since its inception in 2009.
- Winter public programming continued at Birds Hill, Spruce Woods and Whiteshell Provincial Parks with interpretive programs offered on winter recreation trails and in the interpretive centres.

Key Program Outputs:

Outdoor Recreation Programming	Amount
Number of visitors	5.7 million
Total Number of campsites*	6,092
Transient Campsites*	4,507 (4,057 available for reservation or 90 per cent)
Transient Camping Nights	221,709

Outdoor Recreation Programming	Amount
Seasonal Campsites (number does not include Permanent Trailer Village or Concessionaire campsites)*	1,537
Campgrounds offering reservation	44
Group Use Sites**	94
Family Vacation Cabins	34 (at 2 locations)
Yurts	75 (at 10 locations)
Reservations	80,279 (89 per cent of camping stays in computerized locations reserve ahead)
Reservation Rate, compared to 2018/19	1,663 more reservations or 2 per cent increase
Reservations made through Web	88 per cent

* Camp sites closed due to flooding not included

**2 recreation halls included

Cottaging and Commercial Development Section

The Cottaging and Commercial Development section administers the Vacation Home Lot Development Program, Commercial Operations, and Special Consideration Organization (SCO) operations under the authority of The Provincial Parks Act and associated regulations. The section manages and controls land use activities and developments on vacation home, commercial business and SCO lots through a site plan permitting process. The section takes a lead role in the resolution of development-related disputes between neighbours. Management decisions are prescribed in various legislation, regulations and policy guideline documents such as The Cottager's Handbook for Manitoba Provincial Parks. Some of the costs of road maintenance, garbage disposal, provision of water and sewer, and other municipal type services provided to lease and permit holders and private landowners are recovered from those users through an annual invoicing program carried out by the Real Estate Services Division (RESD) of Manitoba Finance Central Services. Permits are also issued by RESD for commercial fish camps, wild rice cultivation, trap-line cabin construction, hay and grazing, scientific research, and mineral claim-staking and exploration.

Key Results Achieved:

- Continued with the government mandate of a moratorium on all lease and service fees for cottages found within provincial parks that began in 2016. In January 2018, government extended the July 2016 moratorium on lease and service fee increases for provincial park cottages, for an additional two years extending from July 2018 to July 2020.
- While attempting to achieve a more streamlined process of approval for site plan permits and building permits on cottage and commercial lots within Manitoba Parks, the section agreed to launch a one-year pilot project with the Office of the Fire Commissioner which brings both entities into one process for development on park land.

Vacation Home Lot Development Program

The program, in cooperation with the RESD, administers approximately 6,300 vacation homes on leased, permitted and private lands in parks.

Key Results Achieved:

- 250 permits were issued for cottage construction or structural modification.
- 1,114 vacation home leases were up for renewal in 2019. Each lease renewal required an onsite inspection.
- \$7.9 million in revenue generated from land rent, service fees, permits, chief place of residence levy and lot development fees.

Commercial Operations

This unit manages relations with private-sector business operators, via leases and permits, to ensure high-quality services for park visitors.

Key Results Achieved:

- Cooperated with approximately 177 commercial operations, such as, restaurants, stores, accommodations, golf courses, marinas, private campgrounds and concessions throughout Manitoba's provincial parks.
- There were 65 special consideration organizations throughout Manitoba's provincial parks, such as, RCMP detachments, youth camps, churches, schools, bible camps, Winnipeg Folk Festival, volunteer fire departments and cemeteries.
- Issued 22 Parks Controlled General Permits for occupying land, such as, towers, boathouses, septic haulers, Indigenous uses, research and arborist services.

Incident Management and Coordination Section

The Incident Management and Coordination (IMC) section provides coordinated and collaborative project management support and oversight to all branch sections and regional operations in the planning and implementation of all parks programming and service delivery in the park regions.

The new section was created when the department was internally reorganized in the spring of 2019 and includes a Senior Park Advisor supervising four Park Specialists.

Priority work included issue and program management for the branch and regions and identifying and correcting inconsistencies in program delivery.

Key Results Achieved:

- Development of Indigenous Relations Protocol including meeting with Treaty Relations Commission of Manitoba (TRCM) Elders on site in parks to address transfer of traditional use sites in a respectful and appropriate manner.
- A new more user friendly Park Emergency Plan template was developed and selected structural fire services agreements were reviewed in preparation for update and renewal. Staff continued meetings with the North Whiteshell Volunteer Fire Department Development Committee.
- Development of an in-kind donation agreement for park services rendered to outside agencies.
- ATV use policy reviewed including an appraisal of existing legislation.
- Specialists continue in their role as regional approvers of special events and undertook a thorough review of filming in parks to ensure consistent evaluation and approval of movie/media company's requests.
- Continued efforts in working with private companies and individuals to secure donations for improvements, including the installation of playground equipment at St. Malo.
- Specialists continue to be the region's primary contact for private organizations wishing to undertake trail improvements and development in parks. One such agreement saw the South Whiteshell Trail Association expand the bike trail system near Caddy Lake/McGillivray Falls which included a skills area.
- Continued involvement on the Margaret Bruce Provincial Park / Alonsa Tornado clean up special project.
- Continued positive interactions with Cottage Owner Associations, business owners and other park user groups interested in improving parks. Feedback was provided in all ongoing park management plan development.
- Specialists continued their positive interactions with First Nations communities. Staff worked with the Hollow Water First Nation to begin the process of removing accumulated garbage from Black Island in Hecla/Grindstone Provincial Park.

Table PRP.1
12.2(a) Parks and Protected Spaces

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	20,558	125.10	20,707	(149)	1.
Other Expenditures	9,394		8,692	702	2.
Grant Assistance	392		393	(1)	
Total 12.2(a)	30,344	125.10	29,792	552	

1. Under-expenditure is due to vacancies.
2. Over-expenditure is due to higher Park Operation and Maintenance costs, required to keep parks and campgrounds safe and accessible for public use and enjoyment.

Wildfire Service

The Manitoba Wildfire Service (MWS) is responsible for the prevention, detection and suppression of wildfires across the province. The Service manages all human, aircraft, equipment and supplies needed for fighting wildfires in the province. Staff monitor weather patterns, lightning strikes, soil moisture and forest conditions to determine the probability and location of wildfires, and to develop prevention and mitigation strategies.

The Wildfire Service works in close cooperation with municipal and provincial partners, and other firefighting agencies from other jurisdictions. Equipment and other resources are shared through the Canadian Interagency Forest Fire Centre Mutual Aid Resource Sharing Agreement, as well as, other various border and compact agreements.

2019 was a below normal season with 278 fires occurring and 71,382 hectares burned. The 10-year average for this period is 414 fires. Northern Manitoba had less than normal fire activity, while the eastern half of the province remained the area of concern until early August. Above normal precipitation occurred during the months of September and October across the province, thus reducing the fire threat significantly.

Community and asset protection were often the priority for the Wildfire Service during the 2019 season, with partial or full evacuations of the communities of Little Grand Rapids, Paungassi and Marcel Colomb First Nations.

Manitoba entered into service agreements in 2019 with three new air operators to provide contract air attack and float plane services. Babcock Canada was contracted to operate and maintain the provincial water bomber fleet, and the supply and operation of three Bird Dog aircraft. Two Manitoba based operators were contracted to provide float plane services out of the Lac du Bonnet and Thompson water bases.

During the winter of 2019/20, Manitoba supported the international response effort, led by Canadian Inter-Agency Forest Fire Centre (CIFFC) in support of Australia during their record wildfire season. Manitoba supported the effort by supplying 11 incident management team and aviation experts from December 2019 through March 2020.

The implementation of a new organizational structure, realignment of program budgets, and the development of a multi-year strategic plan to support the streaming of the Wildfire Service as a separate branch within the Department of Conservation and Climate were the priorities for the Wildfire Service during the 2019/20 season.

Key Results Achieved:

Focus on Best Practices, Enhance Prevention and Mitigation Activities and Develop Effective Partnerships to ensure the most effective utilization of resources were being employed based on wildfire management science, best practices and available technology

Air Operations

- Manitoba entered into contracted services for both the Provincial Air Attack Program, as well as, float plane services. As mentioned above, Babcock Canada was contracted to operate the provincial water bomber fleet, while two Manitoba-based companies were contracted to provide float plane services based out of Lac du Bonnet and Thompson.
- The transfer of operation of seven water bombers from Manitoba Government Air Services (MGAS) to Babcock Canada Ltd, (four CL-415s and three CL-215s) was completed in preparation for the 2019 season. As part of the service agreement, Babcock Canada provided three Turbo Commander Bird Dog aircraft to support the air attack program.
- New 3-year contracts were awarded for helicopter services for the 2019, 2020 and 2021 seasons. This includes one intermediate lift helicopter and four medium lift helicopters strategically located around the province.
- The first air tanker dispatch occurred on April 24, 2019. The first contract helicopter started on May 22, 2019 and the first contract float plane came on line on June 27, 2019.
- The first air tanker group stood down in Winnipeg on September 3, 2019; the second group on September 19, 2019; and the third group remained available until the end of September 2019.

Aircraft Utilization Summary:

Air Tankers / Bird Dogs	<u>2019</u>	<u>2018</u>
Air Tankers CL-215/415 hours flown:	739.2	951.8
Bird Dog – C 310 hours flown:	236.2	477.9
Casual Hires, Bird Dog hours flown:	195.6	18.6
Fixed Wing		
Contract DHC/T Otters (MGAS) hours flown:	567.9	552.1
Casual Hire – Fixed wing (all type) hours flown:		
Helicopters		
<u>Long term contract:</u>		
Intermediate R/W Hours flown:	356.6	596.7
Medium R/W Hours flown:	770.1	1,354.9
Casual Hire:		
Light R/W Hours flown:	0	110.3
Intermediate R/W Hours flown:	1,117.8	2,465.7
Medium R/W Hours flown:	760.6	907.2

Resource Imports and Exports through the Canadian Inter- Agency Forest Fire Centre (CIFFC)

Imports:

One Bird Dog aircraft was imported from Ontario to support operations in June and July 2019.

The following resources were imported to support wildfire operations in the Eastern Region:

- One Agency Representative and 40 type-1 initial attack personnel from Saskatchewan,
- One Agency Representative and 21 sustained action personnel from Quebec

Exports:

The MWS exported the following resources within Canada during the 2019 season:

- One CL-215 air tanker to Ontario (Drop test)
- One heavy equipment branch director (Alberta)
- One 'Dozer Boss' (Alberta)
- 50 fire pump kits and 150 lengths of fire hose (Alberta)

Manitoba also supported Ontario with three CL-415 quick strikes along the Ontario border in 2019.

During the winter of 2019/20, Manitoba supported CIFFC with the deployment of 11 members of the department of Conservation and Climate to assist in wildfire operations in Southwest Australia.

Science and Technology:

- Major equipment upgrades were made at three MWS weather stations (Knob Hill, Westray and Atik Lake). Upgrades included new data loggers, overwinter precipitation gauges, ultra sonic wind and barometric pressure sensors.
- In 2019, the Canadian Forest Service (CFS) assisted with the final fire area mapping using high resolution satellite imagery. The result is a more accurate final size that removes unburned forest areas inside the fire perimeter, allowing MWS staff to differentiate the burned from the unburned areas.
- The OPS/FMS fire management operating system was updated to be compatible with a Windows 10 application in preparation for the 2020 wildfire season. Software development and automation continues with the goal of making additional information available to mobile devices.

Fire Equipment and Technology:

- Under the guidance of the Fire Equipment Working Group, a review of equipment design in an effort to improve efficiency and ergonomics occurred in 2019. Examples include

the redesign of hose carrying bags and chainsaw backpacks used by front line initial attack fire crews.

Prevention and Mitigation:

- Manitoba Wildfire Service and the Office of the Fire Commissioner and their Wildland Urban Interface Officers worked together in various outreach capacities to engage communities and local leadership in adopting existing FireSmart concepts and initiatives including the continued support and promotion of the national FireSmart Canada Community Recognition Program and National Community Wildfire Preparedness Day, a national wildfire pre-response awareness initiative.
- Supported the regions in their prevention and mitigation efforts with materials and presentations and participated in direct public outreach activities involving children groups, cottage associations and outdoor users.
- Analyzed regional and seasonal trends in human caused wildfires to ensure effective and efficient messaging and to steer future development and delivery of wildfire prevention and mitigation outreach initiatives.
- Informed Conservation and Climate personnel in the delivery and implementation of FireSmart concepts and programs, and assisted in conducting wildfire hazard assessments and collection of values-at-risk data in Manitoba's provincial parks and periphery communities as part of the community wildfire protection planning process.
- A provincial wildfire hazard and risk map was used in the development stages using GIS to spatially represent community wildfire concerns and assist in fire and fuel management decision making.
- Completed northern Manitoba's first Community Wildfire Protection Plan, a two-part document that includes a preparedness guide to ensure efficient and effective response to wildfire and a FireSmart mitigation strategy to minimize wildfire hazards, and risks and improve community resiliency for the City of Thompson.
- Promoted the importance and benefits of Community Wildfire Protection Plans, especially in regions and communities with high risk and hazard.
- Maintained the Manitoba Wildfire Program restrictions page to inform accurate fire and travel restriction during the wildfire season to communicate high in order to extreme wildfire conditions to protect residents, outdoor users, livelihoods and communities.
- Advocated for Manitoba's perspective in the wildfire community through participation on national and international prevention and mitigation committees.
- Advocated for the wildland fire and wildland urban interface perspective on provincial structural fire committees.
- Assisted external stakeholders in addressing community wildfire planning and mitigation projects including developing and delivering FireSmart training to an Indigenous

community as part of a federally funded mitigation project undertaken by the community and their consultant.

Region	Human Caused fires	Lightning Caused fires	Total	Wildfire Investigations Completed
Central	69	3	72	2
Western	2	1	3	0
Eastern	34	52	87	6
Northwest	9	9	18	0
Northeast	31	68	129	0
Provincial	145	133	278	8
Percent	52	48	100	N/A

To provide staff with increased career development and mentorship opportunities, and ensure they have the necessary skills to continue providing excellent service.

Training and Staff Development

- 32 Initial Attack fire fighters (Type I) were trained and certified to the Canadian Interagency Forest Fire Centre (CIFFC) exchange standards. These included: I-100 standard course - initial attack crew member training program, helicopter hover exit - specialized training/certification to be able to exit a helicopter that is hovering above the ground, Workplace Hazardous Materials Information Systems (WHMIS), Transportation of Dangerous Goods (TDG), and chainsaw safety.
- 22 Initial Attack (Type one) Crew Leaders
- Four Type II Emergency Fire Fighters
- 37 Type II Emergency Fire Fighter Crew Leaders
- 40 Type III Emergency Fire Fighters
- Four Type III Emergency Fire Fighter Crew Leaders
- 400 Type III Military Emergency Fire Fighters
- Wildfire Service facilitated the delivery of a chainsaw instructor development course for 15 department staff from the Wildfire Service and Parks.

- Incident Command System (ICS) training was conducted through the Office of the Fire Commissioner. 12 department employees were trained and certified to ICS 200 ensuring compliance with national training standards for Fire Line Supervisors.
- Incident Command System training was conducted through the Office of the Fire Commissioner. 13 department employees were trained and certified to ICS 300 ensuring compliance with national training standards for Fire Section chiefs and division supervisors.
- Membership in the Great Lakes Forest Fire Compact (GLFFC) facilitated participation by three employees in L-380 fire-line leadership training in Grand Rapids, MN.
- Three staff were nationally certified in Advanced Wildland Fire Behavior training and one course instructor from Manitoba assisted in the Advanced Wildfire Behaviour Course delivery.
- Three staff received Facilitative Instructor Training on the M410 course, delivered in Grand Rapids, MN, in coordination with GLFFC.

Table PRP.2
12.2(b) Wildfire Service

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	9,077	56.65	9,846	(769)	1.
Other Expenditures	9,901		10,669	(768)	2.
Total 12.2(b)	18,978	56.65	20,515	(1,537)	

1. Under-expenditure is due to vacancies, and voluntary reduced workweek savings.
2. Under-expenditure is due to savings in Air Services costs and other operating savings.

**Table PRS.7
2019 - Number of Fires and Area Burned by Region**

2019	Northeast		Northwest		Western		Central		Eastern		Province	
CAUSE	# Fires	Area burned (hectares)	# Fires	Area burned (hectares)	# Fires	Area burned (hectares)	# Fires	Area burned (hectares)	# Fires	Area burned (hectares)	# Fires	Area burned (hectares)
Recreation	8	381.9	2	0.2			2	450.5	8	54.0	20	886.6
Settlement	4	3.1					6	265.8	4	1.5	14	270.4
Woods operations												
other industry			2	1.0					3	8.2	5	9.2
Railroads									1	0.1	1	0.1
Public projects	7	18.3					1	16.0	3	1.3	11	35.6
Incendiary	1	0.1	4	95.4	2	0.9	58	6,575.3	7	21.1	72	6,692.8
Miscellaneous	11	10.0	1	0.6			1	0.5	8	51.5	21	62.6
Agricultural							1	68.3			1	68.3
Lightning	68	45,320.3	9	486.1	1	0.2	3	13.1	52	17,536.4	133	63,356.1
All causes	99	45,733.7	18	583.3	3	1.1	72	7,389.5	86	17,674.1	278	71,381.7

Note: In the 2019 fire season, VIIRS and MODIS satellites were used to detect one additional wildfire in the observation zone which accounted for a burned area of 33.1 hectares.

Table PRS.8

2019 - Number of Fires and Area Burned by Priority Zone and Action Status

2019	Actioned Fires				No Action Fires				Limited Action Fires				All Fires			
	# Fires	% Fires	Area burned (hectares)	% of area burned	# Fires	% Fires	Area burned (hectares)	% of area burned	# Fires	% Fires	Area burned (hectares)	% of area burned	# Fires	% Fires	Area burned (hectares)	% of area burned
RED	152	64.41	11372.4	57.61					1	5.56	0.7	0.00	153	55.04	11373.1	15.93
YELLOW	4	1.69	4.9	0.02									4	1.44	4.9	0.01
GREEN	41	17.37	5474	27.73	4	16.67	3379.3	47.37	8	44.44	43552.8	97.86	53	19.06	52406.1	73.42
WHITE	39	16.53	2889.7	14.64	20	83.33	3754.6	52.63	9	50.00	953.3	2.14	68	24.46	7597.6	10.64
ALL ZONES	236	100.0	19741	100.0	24	100.0	7133.9	100.0	18	100.0	44506.8	100.0	278	100.0	71381.7	100.0

**Table PRS.9
2019 - Area Burned by Priority Zone**

2019	Zone Area (ha.)	Hectares Burned	% of zone burned
Red	11,415,633.5	11,373.1	0.100
Yellow	685,691.0	4.9	0.001
Green	9,770,018.8	52,406.1	0.536
White	23,081,244.9	7,597.6	0.033
All Zones	44,952,588.2	71,381.7	0.159

Figure 1

Area Burned (hectares): 2001 - 2019

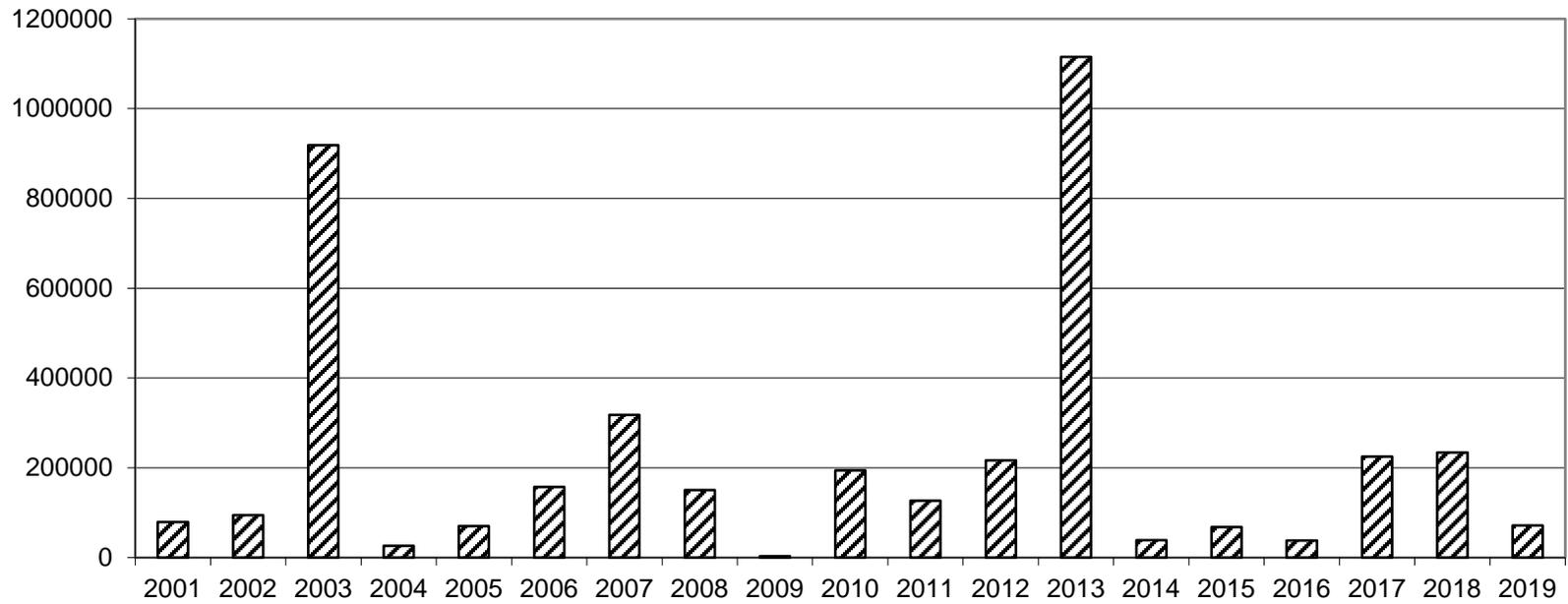
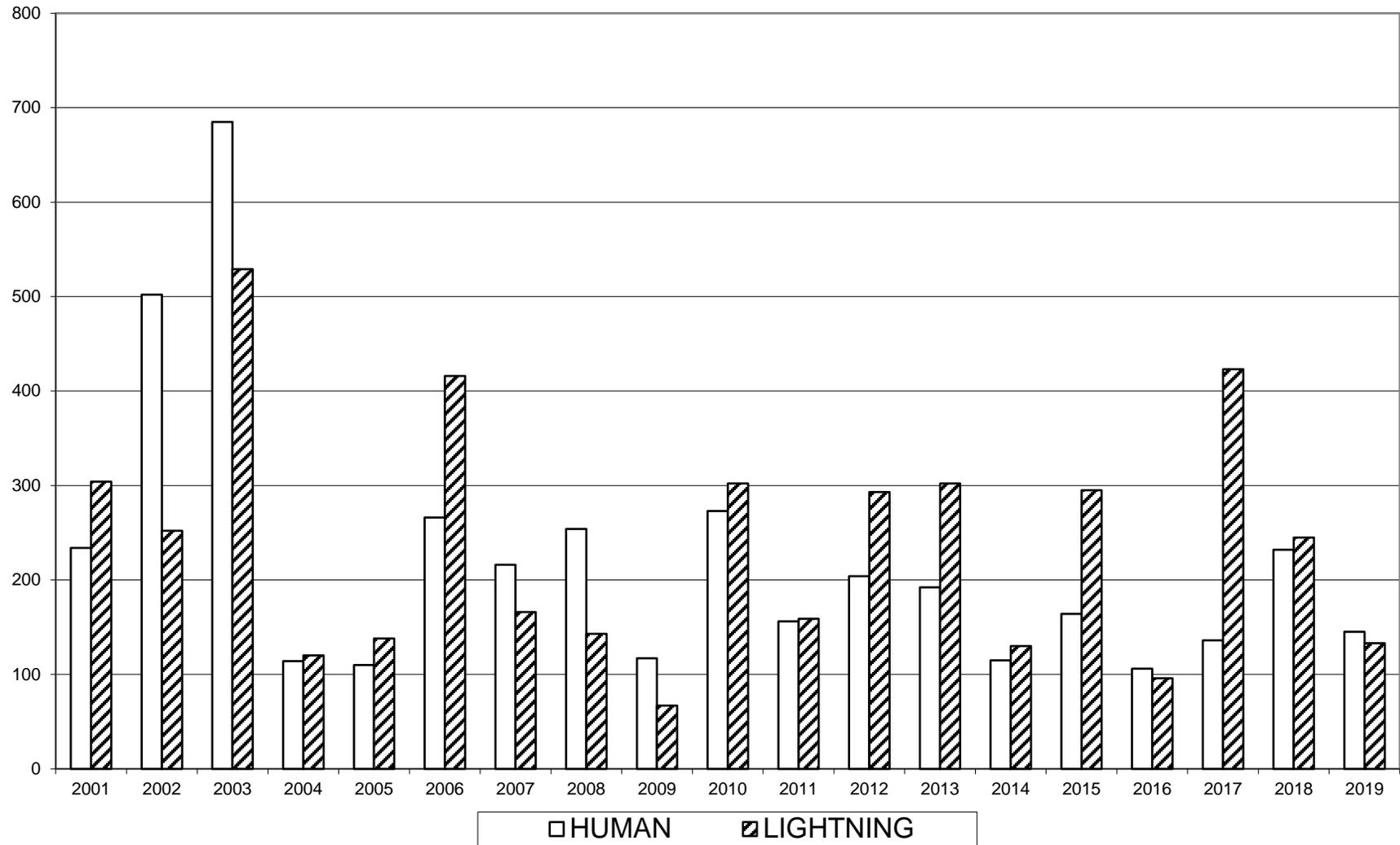


Figure 2

Number of Fires: 2001 - 2019



Resource Enforcement

Resource Enforcement Headquarter Operations coordinates delivery of programs and services at the community level, including:

- Field activities for resource management;
- Compliance and enforcement activities related to natural resources, and parks safety and security delivered by Park Patrol Officers (PPO) and Conservation Officers (CO); and
- Protection of people, livestock, crops and property from predators and other wildlife.

Programs and activities are delivered in two geographic regions: Eastern Region and Western Region with supports from Headquarters based in Winnipeg. Staff from 38 community-based districts and regional offices, as well as, Headquarters office in Winnipeg, carry out the work.

Key Results Achieved:

Regional field staff given the necessary knowledge, tools, and resources and are trained and certified in skill sets that result in safe, effective, and professional delivery of department programs.

- Firearm qualification for all full-time field COs was completed by the department's peer Firearms Instructors.
- Eight newly recruited COs attended WCLEA (Western Conservation Law Enforcement Academy) in Hinton, Alberta. The 19-weeks of instruction included training in firearms, emergency driving, defensive tactics and investigations, with an additional six weeks of on-the-job training.
- Regional Training Officers and department's peer instructors conducted training for 23 new-hire seasonal PPOs at Canadian Mennonite University (CMU). This provided the PPOs certification for park enforcement, safety and security duty. In addition, 40 returning seasonal staff, both PPOs and Park Patrol Captains (PPC), were re-certified in defensive tactics and leadership courses.
- Central training was conducted for all field COs. Thematic areas covered were: defensive tactics re-certification, scenario based training, officer's safety, update on pertinent legislation and departmental enforcement responses.
- Special investigations unit participated in undercover operations to catch poachers and to curb the significant black market of fish and wildlife parts trade.
- Canine unit participated in several illegal hunting and fishing apprehensions and public education in community and school programs.
- Turn-in-Poachers (TIP) program provides a 24-hour a day, 365 days a year answering service designed for the public to report resource violations and wildfires. In addition to these calls, the TIP line handles many calls related to problem or injured wildlife and human/black bear conflicts in urban, rural or park areas.

- TIP program evolved to a new initiative with a “Call Answering Service” that provides a 24-hours a day, 365 days a year answering service.

Sufficient liaison maintained with other government departments, federal/provincial agencies and non-governmental organizations to maintain up-to-date and continually improving service delivery models.

- Continued to work with Manitoba Justice to address legislative issues.
- Participated as a member of the Canadian Natural Resource Law Enforcement Chiefs Association.
- Participated in the Manitoba Rabies Central Program with Manitoba Health, Seniors and Active Living, and Manitoba Agriculture and Resource Development in provincial rabies reporting and sampling system.
- Continued to work with the Wildlife Enforcement Division of Environment and Climate Change Canada and the United States Fish and Wildlife Service on cross-border investigations. Successful prosecutions in joint operations were achieved.
- Continued to work with Manitoba Wildfire Service throughout the province with COs providing operational support during wildfire fighting operations.

The regions and department executive kept updated on emerging changes and issues. Strategies are prepared to handle problems and introduce new initiatives.

- Provided direction, consultation and guidance on enforcement and compliance activities, particularly on wildlife, aquatic invasive species, recreational and commercial fisheries, and provided liaison between regions and branches.
- Provided statistics and data on enforcement activities, including prosecutions and warnings.
- Worked with the department of Justice on Crown-Indigenous consultations regarding night hunting.
- Updated regions on legal issues affecting court cases and gave subsequent enforcement direction.

Specialized enforcement needs including detailed investigations, covert operations, forensic lab services, and canine detection developed to meet the needs of the department’s field officers in addressing violations of resource law.

- Regional investigators assisted several districts with complex investigations, primarily related to illegal harvest and use of fish and wildlife. In addition, the special investigation unit assisted the districts with electronic surveillance equipment that targets illegal harvesting practices, as well as, implementing the use of specialized surveillance

equipment for remote activity monitoring to aid in detection of illegal harvest, movement, and commercialization of fish, wildlife and other resources.

- A three-year covert investigation related to illegal sale of fish and wildlife in Winnipeg area, conducted between 2017 and 2019, resulted in one charge under The Fisheries Act (Manitoba) and one charge under The Provincial Offences Act. The case is currently before the courts.
- A two-year long covert investigation related to the illegal sale of fish in the Parkland region, conducted between 2017 and 2018, was concluded in the courts by way of the individual admitting to two charges under The Fisheries Act (Manitoba).
- A one-year long covert investigation related to the illegal sale of fish in the Interlake region, conducted in 2018, was concluded in the courts by way of the individual admitting to two charges under The Fisheries Act (Manitoba).
- The canine team was used throughout the province on a variety of compliance checks and investigations of illegal fishing and hunting activities. This included 11 decoy operations, 32 night hunting patrols, 15 occurrences of searching for evidence in both non-confined and confined areas, six searches of vehicles, three searches for suspects and seven cases of assistance with search warrants.
- The canine team conducted 15 public education programs in schools and at public meetings throughout the province.
- The canine handler, as a trained defensive tactics instructor, assisted with the annual training of Conservation Officers and Park Patrol Officers.
- Conservation Officers utilized the services of a forensic laboratory for firearm analyses in five investigations and a DNA laboratory for DNA analyses in two investigations of wildlife offences to corroborate evidence obtained.

The public has access to well-advertised TIP 24-hour toll-free numbers to report forest fires and resource-law violations

- The 24-hour toll-free telephone service (1-800-782-0076), aiming at reducing the illegal harvest of fish and wildlife, received calls that resulted in prosecutions and warnings. In addition, the toll-free line received calls reporting forest fires.

Table PRS.1 2019/20 T.I.P. Call Type by Region – Total Calls Received				
Call Type / Region	Eastern	Western	Not Applicable	Total
Resource Violation	349	289	0	638
Fire Reports	162	85	0	247
Injured Wildlife	826	256	0	1,082
Problem Wildlife	694	253	0	947

Orphaned Wildlife	80	18	0	98
RCMP/Police Request Assistance	108	44	0	152
Non-Program Call	0	0	720	720
Total	2,219	945	720	3,884

Table PRS.2
T.I.P. Resource Violation Calls by Year 2010/11 to 2019/20 (excluding Fire)

	2010 /11	2011 /12	2012 /13	2013 /14	2014 /15	2015 /16	2016 /17	2017 /18	2018 /19	2019/20
Total Calls	317	311	358	310	392	538	438	433	391	638
Actioned	129	161	247	146	216	221	91	142	187	124
Prosecutions	20	14	31	20	20	46	11	46	15	11
Warnings	6	9	8	3	10	18	2	15	6	8

Table PRS.3
Comparison of Wildlife, Fisheries, Parks and Migratory Birds Prosecutions 2010/11 to 2019/20

Fiscal Year	Wildlife	Fisheries	Parks	Migratory Birds
2010/11	306	722	*455	11
2011/12	308	904	*381	24
2012/13	352	894	1,371	14
2013/14	316	800	1,670	26
2014/15	239	959	2,182	6
2015/16	329	1,265	3,260	14
2016/17	406	1,016	2,409	12
2017/18	501	846	3,256	7
2018/19	312	884	2,087	3
2019/20	226	1005	3,061	1

*Years where Park Vehicle Entry Passes were not required

Table PRS.4
Record of Violations Occurring 2019/20

Acts	Prosecutions	Warnings	Total Offences
Criminal Code of Canada	3	0	3
Crown Lands Act	12	11	23
Environment Act	9	13	22
Endangered Species and Ecosystems	3	1	4
Forest Act	10	10	20
Forest Act	767	131	898
Fisheries Act (Canada)	238	221	459
Fisheries Act (Manitoba)	0	1	1
Freshwater Fish Marketing Act	45	16	61
Highway Traffic Act	127	102	229
Liquor and Gaming Control Act	1	5	6
Migratory Birds Convention Act	73	34	107

Off Road Vehicle Act	3,061	252	3,313
Provincial Parks Act	0	1	1
PTA	0	2	2
Resource Tourism Operators Act	51	213	264
Water Protection Act	0	0	0
Wild Animal and Plant Protection	14	19	33
Wildfires Act	226	185	411
Wildlife Act			
Total	4,640	1,217	5,857

Total Fines: \$386,076 for 2019/20

Hunter-killed livestock claims evaluated and processed promptly and livestock producers are fairly compensated for animals accidentally killed by hunters.

- Hunter-Killed Livestock Program compensates livestock owners for animals deemed accidentally shot by licensed hunters during an open big game season. Claims are investigated by Conservation Officers and occasionally by RCMP. Program activity for the past ten years is illustrated in Table PRS.5.

Table PRS.5 Hunter-Killed Livestock Compensation 2010/11 to 2019/20				
Year Paid	Claims	Claims Paid	Total Paid	Average Paid
2010/11	4	0	0	N/A
2011/12	2	2	2,100	1,050
2012/13	0	N/A	N/A	N/A
2013/14	0	N/A	N/A	N/A
2014/15	3	2	3,922	1,961
2015/16	2	2	4,388	2,194
2016/17	3	2	3,210	1,605
2017/18	1	0	N/A	N/A
2018/19	0	0	N/A	N/A
2019/20	3	1	1,500	1,500

Table PRS.6 Problem Wildlife Occurrences 2019/20							
Species	Region						% of Total
	North east	North west	East	Central	West	Total	
Beaver	11	4	21	44	7	87	3
Black Bear	301	191	635	328	377	1,832	59
Polar Bear	143	0	0	0	0	143	5
Big Game	1	0	12	24	37	74	2

Wolf	19	0	19	19	14	71	2
Migratory	6	2	8	45	51	112	4
Birds	25	17	108	450	166	766	25
Other*							
Total	506	214	803	910	652	3,085	100

*Other includes coyote, fox, raccoon, skunk

Compliance and Enforcement Activities

- Conservation Officers (COs) checked thousands of anglers, hundreds of hunters and dozens of commercial fishers for compliance across the province and, where appropriate, took enforcement action.
- COs continued the focus on all aspects of illegal hunting activity, including dangerous hunting, hunter trespass and night hunting.
- Officers conducted patrols across the province to meet the provincial mandated effort to reduce night hunting and dangerous hunting activities. These resulted in apprehension and charging for night hunting and seizures of vehicles and various other pieces of hunting equipment.
- Officers increased the frequency of patrols during early morning and after sunset, specifically to address the increased night hunting patrol mandate.
- Complaints from the public about illegal night hunting were down approximately 40 per cent from the previous year, which may be a result of outreach work and awareness of enforcements done by COs in local communities.
- Simulated moose and deer decoy operations and patrols to help deter illegal hunting activity occurring across the province.
- As a result of additional Game Hunting Area closures for moose in some areas of the province, COs within other areas encountered an increase in licensed and subsistence moose hunting activity.
- Officers undertook hundreds of enforcement actions across the province resulting in prosecutions, written warnings and evictions from provincial parks. These actions were primarily in response to public complaints on regulatory resource issues, and park safety and security concerns.
- COs conducted many sport fish patrols throughout the province during the year. Even though hundreds of charges and warnings were laid for sport fish violations, it is noteworthy there was a higher level of compliance from sport fishers compared to previous years.

- Officers conducted patrols on hundreds of miles of Snopass Trails across the province and observed a high level of compliance regarding riders having valid snow passes but did encounter and manage some off-road vehicle act and liquor violations.
- In areas where the logging industry was active, COs conducted patrols and monitored activities to ensure compliance with applicable legislation.
- COs worked with Wildlife and Fisheries Branch to develop an implementation plan for deploying an Aquatic Invasive Species (AIS) zebra mussel containment and monitoring plan. COs assisted at regional AIS check stations to promote public awareness of the program.
- Watercraft inspection stations were sited throughout the province for the purpose of inspecting and decontaminating watercraft. COs also conducted inspections on boats being trailered and warnings were handed out for non-compliance as needed.
- COs issued numerous work permits under The Crown Lands Act and The Wildfires Act for construction projects and industrial operations.
- COs throughout the province conducted trap line patrols within their respective areas checking on compliance of Wild Fur Regulations.

Human-wildlife conflict and Non-Regulatory complaints

- COs addressed complaints related to human-wildlife conflict and general wildlife concerns and questions. Hundreds of occurrence reports regarding problem wildlife were received by district offices across the province.
- As part of on-going efforts to help reduce the number of complaints received, COs helped to educate the public in regards to bear smart practices and similar approaches with other species of wildlife, such as, deer and wolves.
- COs provided practical recommendations on how the public can reduce human-wildlife conflict encounters.
- COs trapped and relocated black bears whenever possible but were forced to euthanize some repeat offender bears that posed a threat to public safety.
- The Churchill Polar Bear Alert Program in Churchill handled a total of 24 polar bears. The ice release for the 2019 season was between November 9, 2019 and November 15, 2019 when there was enough ice to support polar bears to travel on the ice. Ice release was about a week earlier than normal.
- A total of 142 occurrences were addressed during the 2019 polar bear season. The amount of District Occurrence Reports for polar bears were well below the average number compared to other years.

- COs assisted with the delivery of the Crop Depredation Program including lure crop maintenance, scare equipment maintenance, scare cannon depot operation and seasonal staff supervision.
- Officers continued to assist in the development of action plans for boreal woodland caribou in compliance with federal requirements and provincial commitments, as boreal woodland caribou is listed as a threatened species under both the Federal Species at Risk Act and Provincial Endangered Species and Ecosystems Act.

Effective community relations

- COs participated as provincial representatives on resource and joint management boards, various committees, working groups, advisory groups and community meetings throughout the province.
- COs likewise participated in annual cottage association's meetings, First Nation Chief and Council meetings, municipal meetings, and sports hunter and fisher group meetings to provide assistance and information.
- Officers presented in local schools and universities on resource management, bear smart program, fire prevention, career days, and other various festivals and events such as Canada Day and Parks Day.
- COs participated in joint initiatives with other government departments or branches to assist with effective community relations building.
- Officers continued to provide input on allocation of all Crown lands for both commercial and recreational developments including Treaty Land Entitlement selections.
- COs issued work permits and conducted compliance inspections.
- Officers reviewed and provided comments province-wide on various Crown land applications, Casual Quarry Permits applications, Environmental License reviews/applications, work permits and Licensing Advisory Committee (LAC) applications.
- COs presented at regular intervals at meetings with wildlife associations and partnership groups on topics related to monitoring and management of moose, wolf and elk populations.
- COs worked with various recreational trail committees (TransCanada Trail, ATV Manitoba, Snoman Inc.) to oversee the development of recreational trails within provincial parks and on Crown lands. COs likewise met regularly with the Manitoba Trappers Association, Manitoba Wildlife Federation, and other users and special interest groups.

- COs continued to interact with more Métis people who were in the field wishing to exercise a right to harvest fish and wildlife. Consultation continued with rights-based groups to foster greater involvement and cooperation in the decision-making process.

Wildfire Suppression Activities

- During 2019, COs from across the province were deployed to aid in wildfire suppression efforts.

Table PRP.3
12.2(c) Resource Enforcement

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	12,755	160.35	12,881	(126)	1.
Other Expenditures	4,705		3,837	868	2.
Total 12.2(c)	17,460	160.35	16,718	742	

1. Under-expenditure is due to vacancies and voluntary reduced workweek savings.
2. Over-expenditure is due to higher than normal activity by the Polar Bear Alert Program, Windows 10 upgrades and general resource enforcement costs in parks across Manitoba.

ENVIRONMENTAL STEWARDSHIP

Divisional Administration

Divisional Administration ensures leadership for development, implementation and coordination of government-wide environmental policy, program and enforcement functions, and ensures that environmental impacts of developments are evaluated. Also, it ensures effective leadership for the delivery of emergency response programming related to environmental emergencies.

Table ES.1
12.3(a) Divisional Administration

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	270	5.00	383	(113)	1.
Other Expenditures	56		44	12	
Total 12.3(a)	326	5.00	427	(101)	

1. Under-expenditure is due to vacancies and voluntary reduced work week savings.

Environmental Compliance and Enforcement

The purpose of the Environmental Compliance and Enforcement Branch is to undertake inspection activities, enforce legislation to ensure regulatory compliance, manage air quality, and respond to environmental incidents and complaints to protect human health and Manitoba's environment.

Key Results Achieved:

- Inspected and monitored developments, operations and activities that might impact the environment by the release of pollutants and contaminants with a view to ensure compliance with Manitoba's environmental legislations.
- Enforced environmental legislation for ensuring compliance through education, negotiation, investigation, warnings, orders, offense notices and long information. The legislation includes The Environment Act, The Dangerous Goods Handling and Transportation Act, The Contaminated Sites Remediation Act, and The Ozone Depleting Substances Act, and associated regulations. These include environmental legislation and programs that address the management of contaminated sites, crop residue burning, hazardous waste, livestock manure and mortalities, municipal wastewater, onsite wastewater, petroleum storage and solid waste.
- Responded to environmental accidents and complaints in a prompt and effective manner to prevent or minimize impacts of pollutants and contaminants to the environment.

Key Program Outputs:

Environmental Compliance

- All branch staff completed enforcement training with an updated curriculum.
- Conducted air monitoring surveys at industrial developments to assess appropriateness of licence conditions.

Air Quality Management

- Monitored ambient (outdoor) air quality parameters at the five established provincial sites and one temporary site, providing hourly air quality data for several pollutants, including ground level ozone, fine particulate matter, nitrogen oxides, sulfur dioxide, and carbon monoxide. Air quality data at three stations in southern Manitoba were used to provide hourly Air Quality Health Index forecast for the cities of Winnipeg and Brandon.
- Fulfilled provincial obligations as required by the existing Federal/Provincial/Territorial Memorandum of Understanding for the implementation of the National Air Pollution Surveillance (NAPS) program. This included submission of Manitoba's quality-assured air quality data to the Canada-Wide Air Quality Database.

- Operated and maintained the publicly accessible air quality website for display of near real-time and historical ambient air quality levels from the provincial air quality monitoring system. The website is at: <http://www.gov.mb.ca/sd/envprograms/airquality/aq-health/>.
- Represented Manitoba in national discussions and negotiations regarding air quality management. This included the continued development of the federally-led new Air Quality Management System (AQMS) and its associated sub-groups and other air related programs under the Canadian Council of Ministers of the Environment (CCME).
- Provided air quality information to partners and other stakeholders:
 - Prepared annual reports regarding air quality or provincial compliance under Canada Wide Standards or Canada Ambient Air Quality Standards.
 - Provided air quality data to program partners or stakeholders (e.g., Manitoba Health).
- Provided technical and policy support to a number of departmental activities, including review of air quality matters related to license applications or license requirements, federal programs and national/international agreements.

Environmental Emergencies

The Environmental Emergencies Program responded to environmental incidents and complaints in a prompt and effective manner to prevent or minimize impacts of pollutants and contaminants to the environment. The department maintains a 24-hour reporting line for environmental emergencies and an Emergency Response Team (ERT) to respond in the event of an emergency.

Canada – Manitoba have an agreement in place establishing procedures for the receipt and timely transfer of information between the parties concerning the notification of environmental occurrences.

Manitoba signed a Memorandum of Understanding (MOU) for mutual aid for environmental emergencies. The MOU establishes principles and responsibilities pursuant to which the jurisdictions (Parties) may provide and receive aid in response to an environmental emergency in order to protect human life, property and the environment.

Manitoba Emergency Plan identifies the Environmental Emergency Response Program as a primary provincial agency for environmental emergencies and dangerous goods incidents. An Environmental Emergencies Coordination Annex has been developed.

The Environmental Emergencies Program participated with the:

- CCME Environmental Emergencies Working Group;
- Transport Canada's Transportation of Dangerous Goods National Compliance Working Group;

- Advisory Committee member for the Multi-Partner Oil Spill Research Initiative, a sub-initiative of Canada's Oceans Protection Plan;
- Manitoba Inter-Agency Emergency Preparedness Committee (IEPC); and
- During activation, participated with the Manitoba Emergency Coordination Centre (MECC).

**Table ECE.1
Environmental Legislation Enforcement Summary 2019/20**

Legislation	Prosecutions	Warnings	Orders	Fines(\$)
Contaminated Sites Remediation Act	-	-	1	-
The Dangerous Goods Handling and Transportation Act	-	-	1	-
Storage and Handling of Petroleum Products and Allied Products Regulation	3	13	-	\$4,511.00
Dangerous Goods Handling and Transportation Regulation	-	-	-	-
Hazardous Waste Regulation	-	4	-	-
Environmental Accident Reporting Regulation	-	2	-	-
The Environment Act	2	14		-
Litter Regulation	5	4	-	\$2,993.00
Onsite Wastewater Management Systems Regulation	6	29	-	\$4,564.00
Notice and Reporting Regulation	-	3	-	-
Livestock Manure and Mortalities Management Regulation	2	16	-	\$973.00
Waste Management Facilities Regulation	3	22	-	\$4,000.00
Water and Wastewater Facility Operators Regulation	-	1	-	-
Total	21	108	2	\$17,041.00

Table ES.2
12.3(b) Environmental Compliance and Enforcement

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	3,905	52.00	4,264	(359)	
Other Expenditures	670		773	(103)	
Total 12.3(b)	4,575	52.00	5,037	(462)	1.

1. Under-expenditure is due to vacancies and voluntary reduced workweek savings and general operating savings.

Environmental Approvals

The Environmental Approvals Branch is responsible for assessing requests and proposals, and issuing environmental approvals, permits and licences that protect human health and Manitoba's environment.

Key Results Achieved:

- Managed the regulatory processes for applications for new and existing developments to ensure they were thoroughly assessed in accordance with The Environment Act, The Dangerous Goods Handling and Transportation Act, The Contaminated Sites Remediation Act, and associated regulations.
- Ensured that hydroelectric development on Crown land complied with the provisions of The Water Power Act and Regulation.
- Administered programs related to impacted and contaminated sites, petroleum storage facilities, solid waste, hazardous waste, onsite wastewater management systems, water and wastewater facility operator certification, and livestock manure and mortalities.
- Facilitated public participation in the environmental assessment processes.
- Developed licence and permit terms and conditions that regulate construction and operation activities in an environmentally sustainable manner.
- Continued to improve the efficiency of approval, licensing and permitting processes and the effective use of resources.
- In November 2019, the Orphaned and Abandoned Mines (OAM) Program was transferred to the department of Conservation and Climate from the former department of Growth, Enterprise and Trade.
- The OAM Program is focusing on awarding contracts for remediation work at Ruttan and Sherridon sites. The scope of work proposed for Ruttan site include drainage improvements and revegetation, sludge removal, partial structure decommissioning of control structures.
- The OAM Program is developing a subprogram to address the long term monitoring and treatment that is required at high risks sites once remediation and construction has been completed. The subprogram is currently focusing on 6 priority sites.

Key Program Outputs:

A summary of the reviewed, processed and issued cases is provided in Table ES.4 below.

**Table EAB.1
Environmental Approvals Activities**

Activities	2019/20	2018/19	2017/18	2016/17
The Environment Act				
Project proposals received	46	41	75	62
Licences issued	63	60	69	99
Project proposals refused	0	0	0	0
Minor alterations requests processed	92	74	67	63
Revision requests to licences approved	26	33	42	51
Other reviews – licence not required	36	25	45	46
Site inspections, monitoring	135	147	151	165
Pesticide use permits issued	81	68	106	108
Post-seasonal reports received/compiled	133	123	143	149
Public complaints investigated	12	8	10	13
Incinerator registrations processed	1	3	0	0
Manure storage permits issued	28	27	21	20
Manure storage repair authorizations	3	6	6	5
Manure storage facilities registered	7	12	11	15
Manure management plans registered	509	516	504	509
Manure management plans audited	17	27	12	9
Winter manure application requests	64	1	8	9
Multi-year manure phosphorus authorizations	1	0	5	3
Certified onsite wastewater system installers	240	106	97	78
Registered sewage haulers	105	85	24	39
Monitoring well submissions	228	195	178	185
The Dangerous Goods Handling and Transportation Act				
Project proposals received	29	42	20	10
Licences issued	15	25	18	16
Minor alterations requests processed	24	2	6	6
Pre-licensing activities	11	14	12	8
Site inspections, monitoring	9	10	15	9
Petroleum storage operating permits issued	143	152	139	379
Petroleum storage construction/alteration applications received and permits issued	56	51	51	113
Licensed petroleum technician applications received and licences issued	53	85	87	65

Activities	2019/20	2018/19	2017/18	2016/17
The Public Health Act				
Applications for certificates of approval processed	30	18	35	26
Water and Wastewater Operator Certification Regulation				
Certification examination	561	489	633	522
Facility classifications issued	104	108	50	342
Operators certificates issued	408	344	395	414
The Water Power Act (*new to Branch)				
Licences and Short Term Extension Licences issued	3			
Responses provided to circulars (Real Estate Services Division and Lands Branch)	88			
The Contaminated Sites Remediation Act				
Designations	74	83	66	111
Remediation plans approved	87	38	29	40
Management plans approved	68	60	82	71
Monitoring reports reviewed	94	69	55	49
Revocations	35	29	31	51
Guidelines issued	0	14	-	-
Information bulletins issued	0	13	3	28

**Table ES.3
12.3(c) Environmental Approvals**

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	3,461	40.00	3,745	(284)	1.
Other Expenditures	8,937		2,053	6,884	2.
Total 12.3(c)	12,398	40.00	5,798	6,600	

1. Under-expenditure is due to vacancies.
2. Over-expenditure is due to inflationary increase in Environmental Liabilities for contaminated sites.

Environmental Program Development

Note: This branch was previously the Waste and Recycling Unit however, with the government restructuring of October 2019, the branch was re-named.

The branch is responsible for strategic planning and support for the development of waste diversion and recycling legislation, programs and initiatives that align to government priorities. A major part of the unit's portfolio involves working with industry, municipalities and stakeholders to deliver effective waste diversion and recycling programs to all Manitobans. The unit administers the Waste Reduction and Recycling Support Fund, collects landfill levies and supports waste diversion and recovery pilot projects and programs, including support for large-scale composting facilities. The unit is responsible for the administration of the Waste Reduction and Prevention Act and associated regulations, including providing regulatory oversight to twelve industry-funded stewardship programs for recycling and safe disposal of designated end-of-life materials.

The branch represents the department on federal, provincial and territorial working groups and committees including the Canadian Council of Ministers of the Environment's Waste Reduction and Recovery Committee. It also promotes consensus building and consistency with interdepartmental visions, goals and objectives.

Key Results Achieved:

- Provided regulatory oversight and actively engaged with the stewardship organizations and other key stakeholders on recycling, waste diversion, and safe disposal of designated products. Continue to work with stakeholders to expand the scope of stewardship programs to include new products and materials such as medical sharps and agricultural plastics.
- Initiated the process of expanding the lamp recycling component of the hazardous waste stewardship program to include fluorescent lamps originating from the institutional, commercial and industrial sector. This expansion will significantly increase the collection of end-of-life lamps in Manitoba in the coming years.
- Contributed to progress towards zero plastic waste through development and implementation of action plans in support of the Canadian Council of Ministers of the Environment (CCME) Canada-wide Strategy on Zero Plastic Waste. Served as co-chair of CCME's Waste Reduction and Recovery Committee and represented Manitoba on three subcommittees.
- Provided secretariat support to Manitoba's Recycling Task Force, established as a subcommittee to the Expert Advisory Council for implementation of the Made-in-Manitoba Climate and Green Plan. The work of the Recycling Task Force aimed at better informing the development and implementation of improved waste diversion and recycling policies and programming in Manitoba.

- Administered the Waste Reduction and Recycling Support levy, and provided recycling rebates to eligible municipalities and northern communities.
- Supported pilot projects, capacity building, and research related to waste diversion and recycling. This included administering the Manitoba Composts Support Payment program, which provides incentive payments to municipal and commercial compost facilities participating in the program.
- Conducted consultations with the private sector, industry and key stakeholders on the elimination of plastic bags. Provided lead project support for a compost collection pilot project for provincial government buildings in cooperation with the Climate and Green Plan Implementation Office and the project grant recipient.

Key Program Outputs:

- The twelve industry-funded stewardship programs that operate under The Waste Reduction and Prevention Act regulations collectively diverted over 135,000 tonnes of end-of-life materials from Manitoba landfills in 2018.
- A total of \$7,217,265 from the Waste Reduction and Recycling Support Fund was rebated to municipalities and northern communities based on 65,019 tonnes of eligible recycling reported (52 kg/capita).
- A total of 55,387 tonnes of organic waste was diverted to compost facilities participating in the Manitoba Composts Support Payment Program in 2019.

Table ES.4
12.3(d) Environmental Program Development

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	920	12.00	1,044	(124)	1.
Other Expenditures	99		84	15	
Grant Assistance	67		67	0	
Total 12.3(d)	1,086	12.00	1,195	(109)	

1. Under-expenditure is due to vacancies and voluntary reduced workweek savings.

Office of Drinking Water

The Office of Drinking Water Branch continues to monitor the construction and operation of licensed public and semi-public water systems; to implement a progressive risk-based enforcement strategy that facilitates water system compliance with regulatory requirements and addresses long-term boil water advisories; and to improve educational materials and technical support to private water system owners.

Key Results Achieved:

- In support of Manitoba government objectives related to quality of life and improved outcomes for Manitobans and specifically the creation of conditions (safe drinking water supplies) to improve quality of life; and in fulfilment of responsibilities associated with the construction and operation of licensed public and semi-public water systems under The Drinking Water Safety Act, the Office of Drinking Water completed the following work in 2019/20:
 - Issued 40 public and nine semi-public water system construction permits under The Drinking Water Safety Act. Major project reviews included proposed treatment upgrades at the Birch River water plant to address a requirement for primary disinfection and an arsenic advisory; and the Hecla, Big Whiteshell Lake, Birds Hill South and Kleefeld water plants to address requirements for primary disinfection. Other major public water system reviews included the Brandon treatment chemical building, Dugald water supply, and a replacement reservoir at Plum Coulee. Permits were issued for installation or upgrading of disinfection systems at four seasonal campgrounds or RV parks, and at eight semi-public water systems to address a regulatory requirement for primary disinfection.
 - Completed six post-construction inspections for major water system upgrade projects. Major upgrades were completed for Great Falls that addressed two long-term boil water advisories and non-compliance with provincial turbidity, protozoa and disinfection by-product standards; and for Birtle and Landmark that addressed requirements for primary disinfection. Other major upgrades completed to increase capacity included a secondary water supply and treatment plant for the community of Steinbach, and additional water storage reservoirs for the Ritchot regional water system.
 - Monitored the completion of previously approved work to connect several small subdivisions or developments to municipal or regional water supplies, addressing several long-term boil water advisories, including Awanipark near Pinawa, Brookfield in the R.M. of Lac du Bonnet, Meadowbrook Village near Chater, and Grey Owl Estates and Elkhorn Resort near Wasagamung.
 - Monitored raw and treated water quality for 411 public water systems and 757 semi-public water systems.
 - Issued 23 new public water system operating licences, 56 renewals, five amendments and 12 revocations, bringing the total number of licensed public water systems to 399.

- Issued 74 new semi-public water system operating licences, 39 interim operating licences, 27 renewals, three amendments and nine revocations, bringing the total number of licensed semi-public water systems to 689. By the end of the fiscal year, 95 semi-public water systems had closed due to COVID-19.
- Re-designated eight systems as non-potable in accordance with policies developed in collaboration with Manitoba Health, Seniors and Active Living, bringing the total number of non-potable systems to 19 and reducing the number of long-term advisories.
- Continued its work of licensing Hutterite community water systems. By the end of 2019/20, 62 out of the 109 Hutterite communities in the Province (56 per cent) were licensed or in the process of being licensed with an additional 20 communities having initiated but not yet completed the process. The Office will continue to work with the remaining Hutterite communities in 2020/21.
- Completed 244 routine and unscheduled on-site inspections of public water systems (a 26 per cent increase over the previous year) and 107 inspections of semi-public water systems (a 5 per cent increase). In 2019/20 inspections included a review of compliance with the Water and Wastewater Facility Operators Regulation under The Environment Act. Sixty-five (65) inspection letters were referred to the Environment and Approvals Branch for follow-up and 30 water systems demonstrated improved compliance as a result. Collaborative efforts are expected to continue to expand in future years.
- Completed 32 public water system site visits and 23 semi-public site visits to review operating licence conditions with new operators, review water sampling locations and sampling techniques, follow up on positive bacteriological results, and provide technical support as needed.
- Undertook six site visits to water systems and numerous conference calls to assist in troubleshooting water treatment issues.
- Issued 344 public water system report cards (annual audits) – a 13 per cent increase over the previous year.
- Reviewed engineering assessment reports for 40 water systems, and checklist assessment reports for 34 water systems, and provided advice to owners and operators on ways to improve the overall safety and reliability of their water supplies. This work, including implementation of the new checklist assessment process, eliminated the earlier backlog in engineering assessment reviews.
- Took enforcement action to address the most critical non-compliance issues associated with bacteriological and disinfection standards; issued 188 letters of direction, 102 warnings, four tickets and laid one long form Information, This included 156 letters of direction and 71 warnings issued to semi-public water systems. These actions increased semi-public water system compliance with bacteriological sampling requirements by 25 per cent.

- Worked with five public water systems in the compliance planning process, including regular review of updates outlining steps that public water system owners intend to take to bring their water system into compliance with microbiological, chemical, and physical standards.
- The Office continued to work with Manitoba Health, Seniors and Active Living and other partners to implement changes to the Guidelines for Canadian Drinking Water Quality for lead, manganese, and cyanobacterial toxins in drinking water. Staff collaborated with Health, Seniors and Active Living, Education, and Families to develop webpage on Lead in Drinking Water with factsheets and information for water system owners and operators, homeowners, schools and child care facilities in support of mandatory residential tap water quality monitoring programs for water systems and voluntary programs for schools and child care facilities. Staff assisted Winnipeg schools divisions in developing a request for proposals for lead testing, which resulted in significantly reduced tests costs for all Manitoba schools. Staff also assisted schools in interpreting tap water quality tests results and in developing immediate and long-term plans to address elevated results.
- The Office continued to work with Pembina Valley Water Cooperative and their 14 member municipalities to enhance client serves through the development of a comprehensive Coordinated Distribution Monitoring and Improvement Project, including coordinated Advisory Notification Plans, Compliance Plans, and Sampling Plans.
- The Office revised two specialist positions in support of government priorities to enhance client services, build our capacity to deliver, and enhance reconciliation:
 - The Semi-public Water System Program Specialist manages semi-public water system policies and licensing with a focus on bacteriological sampling and preliminary enforcement. Creating this position, and the associated monitoring and enforcement policies and procedures, resulted in a 25 per cent increase in compliance as noted previously.
 - The incumbent in the newly created Remote Systems Specialist and Indigenous and Northern Relations Liaison completed the Certification of Indigenous Relations Program (CIRP) and continued to monitor the successful Brochet/Barren Lands Bacteriological Testing Pilot Project. This project, which facilitated cooperation between the Indigenous and Northern Relations community of Brochet, the adjacent Barren Lands First Nation, and the provincial and federal governments, significantly increased compliance with bacteriological testing requirements in Brochet.
- The Office hosted an open space forum to encourage staff to think about the drinking water program in new and innovative ways. Ideas generated at this forum helped to guide improvements to the Office's data management system, and led to the development of a Continuous Improvement Committee for the branch with links to the Divisional Committee. The branch committee has been generating ideas for program improvements and a process for implementing those ideas. Initial work has focused improvements to the branch's annual audit process.

- Staff from the Office then went on to host an open space forum for water system operators at the Manitoba Water and Wastewater Association's Annual Conference and Tradeshow. This forum provided the space and opportunity for operators to provide feedback on the drinking water program from their perspective. Work was initiated to implement some of the recommendations shortly thereafter.
- Staff from the Office also made several presentations to Manitoba operators at the conference, providing updates and information on self-managed maintenance advisories, and lead and manganese in drinking water.
- In response to the COVID-19 pandemic, the Office developed and distributed regular email updates to water system owners and operators in a "questions and answers" format.
- Activities completed in support of the private water system program, included:
 - Compiling and reviewing 1,759 private well bacteriological test results submitted through the provincial private well subsidy program.
 - Responding to 665 telephone inquiries from concerned private water system owners.
- Activities completed in support of other provincial programs, included:
 - Reviewing and commenting on drinking water-related concerns for 83 Environment Act development proposals / licenses.
 - Reviewing and commenting on water supply proposals for 243 subdivision applications.
 - Participating in a partnership with Manitoba Economic Development and Training and the Environmental Approvals Branch to assist in the development of an operator education pilot program for Manitoba Indigenous and Northern Relations water and wastewater operators.
 - Working to reconcile and establish processes for on-going reconciliation of the Office's Drinking Water System Database, and the Environmental Approvals Branch's Operator Certification Database to support and facilitate efforts to enforce the operator certification requirements.

**Table ES.5
12.3(e) Office of Drinking Water**

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	2,161	27.00	2,249	(88)	1.
Other Expenditures	666		625	41	2.
Total 12.3(e)	2,827	27.00	2,874	(47)	

1. Under-expenditure is due to staff secondments and voluntary reduced workweek savings.
2. Over-expenditure is due to laboratory testing costs.

WATER STEWARDSHIP & BIODIVERSITY

Note: Due to the October 2019 government restructuring, this Division was transferred to Agriculture and Resource Development with the exception of Drainage and Water Rights Licensing.

Drainage and Water Rights Licensing

The Drainage and Water Rights Licensing Branch is responsible for administering and enforcing The Water Rights Act as it relates to water control works and water use and diversion.

Water control works include construction and maintenance of private and municipal surface and subsurface drainage, dams, dykes and works causing changes to water-flow direction or volume.

Water use for municipal, agricultural and industrial purposes such as town water supplies, irrigation and manufacturing is allocated and authorized under The Water Rights Act.

Drainage Section

Authorization and enforcement of The Water Rights Act related to water control works is the responsibility of the Drainage Section of the branch. The need for authorization of water control works is intended to allow for mitigation of negative impacts anticipated as a result of construction of water control works. Drainage section staff include water resource officers, senior water resource officers and a geographical information systems operator

Key Results Achieved:

- Received 811 new applications and issued 1093 water control works licences and 41 registration certificates. Staff responded to 129 formal drainage complaints.
- A total of 15 offence notices and charges were issued under The Water Rights Act. An additional 59 warnings were issued for unauthorized water control works. A total of eight orders were issued to remediate unauthorized water control works and address ongoing impacts.
- The department launched the Water Licensing Portal to streamline processes and improve client services and operational efficiencies. Amendments to the Water Rights Regulation came into force in Fall 2019.

Water Use Licensing Section

The Water Use Licensing Section of the branch is responsible for administration and enforcement of The Water Rights Act related to water use. Under the authority of the Act, this section processes applications for allocation of surface water or groundwater for municipal, agricultural, industrial, irrigation, and other purposes. The primary duties of this

program include: (1) effectively allocating water for beneficial uses while ensuring the protection of the interests of all Manitobans, and of third parties who may potentially be directly affected; (2) providing optimal allocation based on the sustainability of the resource base; (3) assessing water use applications; (4) providing clients with quality service; and (5) considering and minimizing potential negative impacts of water use projects. Although most allocations are authorized for 10 year terms, section staff also respond to requests to divert and use water for short-term purposes. The Water Use Licensing section is comprised of hydrogeologists, licensing technologists, a water resource specialist, and a database and analytics technologist.

Key Results Achieved:

- Number of valid and subsisting water use licences was the highest on record, at 1,361.
- A total of 150 new water use licences were issued.
- Invoices for water use charges issued to 'Industrial' and 'Other' users totaled \$58,648.52.

**Table WSB.1
12.4(a) Drainage and Water Rights Licensing**

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Salaries and Employee Benefits	2,406	30.0	2,394	12	
Other Expenditures	493		505	(12)	
Total 12.4(a)	2,899	30.0	2,899	(0)	

CLIMATE AND GREEN PLAN IMPLEMENTATION OFFICE

The Climate and Green Plan Implementation Office (CGPIO) adopts leading practices and applies analysis to achieve the goals outlined in the Made-in-Manitoba Climate and Green Plan founded on the four pillars of water, nature, climate, and jobs. CGPIO works collaboratively to foster relationships with stakeholders, other jurisdictions and non-government organizations, and focuses on low carbon government operations. Its work is aimed at achieving Manitoba's vision of becoming Canada's cleanest, greenest and most climate resilient province.

CGPIO reports centrally to the Clerk of Executive Council, underscoring the whole-of-government approach to the Climate and Green Plan. This approach is necessary to address the urgency of climate change and recognizes that addressing climate change requires actions across all government departments. The governance structure of the CGPIO positions government to achieve results of the Climate and Green Plan.

Key Results Achieved:

- In June 2019, based on the recommendations of the Expert Advisory Council, the Government of Manitoba established a cumulative GHG emissions reduction goal of one megatonne of carbon dioxide equivalent relative to a forecast of the total greenhouse gas emissions that would have occurred in the period of January 1, 2018 to December 31, 2022.
- The Government took several significant actions to work towards the implementation of the goal, most notably:
 - Launched the Efficient Trucking Program, a financial program to assist heavy equipment owners to install fuel saving devices or technologies related to tire and rolling resistance, aerodynamic technology and anti-idling technology of their heavy-duty vehicles or trailers. The program is in partnership with Government of Canada.
 - Ensured Efficiency Manitoba officially commenced operations and implementation activities associated with its first three-year efficiency plan on April 1, 2020. This included working with Crown Services to prepare and finalize the Efficiency Manitoba Regulation, which was enacted in August 2019, to provide specifics on how to carry out the purposes of The Efficiency Manitoba Act.
 - Announced the implementation of higher renewable fuel targets in Manitoba, increasing the minimum ethanol content in gasoline to 10 per cent and the renewable diesel content in diesel fuel to 5 per cent.
 - Launched the GROW and Conservation Trusts with a total investment of \$152¹ million.
- The Climate and Green Fund provided support to non-profit organizations moving Manitoba towards our vision. Recipients of the fund included the International Institute for Sustainable Development, the Prairie Climate Services Network, Red River College in support of the Efficient Trucking Program, and the Manitoba Habitat Heritage Corporation – North American Waterfowl Management Plan.

¹References to the \$52 GROW trust payment made in 2018/19 was removed. This will be reported by Agriculture and Resource Development.

- Established a partnership with Canada, Alberta and Saskatchewan, along with founding organizations, the International Institute for Sustainable Development (IISD), University of Regina's Prairie Adaptation Research Collaborative and University of Winnipeg's Prairie Climate Centre, in support of a climate data and services hub in the Prairie Region, the Prairie Climate Service Network (PCSN).
 - Developed and maintained partnerships with multiple institutions and non-profit organizations to support climate change mitigation, adaptation and sustainable development. For example, investments of long-term support for the International Institute for Sustainable Development's operations in Winnipeg including its research services to advance sustainable development in alignment with the Climate and Green Plan.
 - Communicated Manitoba's ongoing climate change mitigation, adaptation and green economy efforts to the public and stakeholders.
- Supported the Expert Advisory Council (EAC) established by the Minister of Conservation and Climate to deliver on its June 2019 and January 2020 mandated tasks of working with strategic and regional economic development partners to share insights on emission reduction potential and understand business and investor opportunities and roles, support Efficiency Manitoba to design and deliver energy saving programs, meet with municipalities and provincial government reporting entities to identify, recommend opportunities to reduce greenhouse gas emissions, provide advice and recommendation for a provincial strategy on greening transportation and infrastructure; and provided advice and recommendation regarding the scope and elements of a modernized, coordinated provincial water management strategy.
 - Established the Youth Advisory Council to obtain the perspectives of young Manitobans on addressing climate change.
 - Organized the Low Carbon Economy Forum in support of the EAC to connect the Council with Manitoba's strategic and regional economic development partners to identify and discuss developing Manitoba's green economy.
 - Manitoba continued to work with the Government of Canada to advance projects under the Low Carbon Economy Fund (LCEF). Under the Fund, Manitoba can receive support to implement initiatives and projects that lead to verifiable emission reductions. To date, Manitoba and Canada agreed to four projects, including the Efficient Trucking Program.
 - Supported the Manitoba delegation to the United Nations Framework Convention on Climate Change's Conference of the Parties 25th meeting. The delegation was led by the Minister of Conservation and Climate.
 - Worked with Environment and Climate Change Canada and third-party modelling experts to track and forecast Manitoba's greenhouse gas emissions and evaluate reductions resulting from provincial policies and programs, and other additional mitigation measures.

- In compliance with The Energy Savings Act aimed at improving energy efficiency and conservation efforts, the Energy Division reviewed:
 - Manitoba Hydro's 2019/20 energy efficiency plan, which was subsequently published in March 2019 as the 2019/20 Demand Side Management Plan; and
 - Manitoba Hydro's Power Smart Annual Provincial Report for the year ended March 31, 2018, which was later tabled in the Assembly in May 2019.
- Continued to work with Natural Resources Canada's Office of Energy Efficiency regarding standards of product efficiency and energy performance for equipment and appliances.
- The Low Carbon Government Office conducted the first inventory of greenhouse gas emissions from operations of government departments for the baseline calendar year of 2017 and for 2018.

GHG EMISSIONS REPORTED BY ALL DEPARTMENTS	BUILDING STATIONARY FUEL COMBUSTION EMISSIONS (tCO ₂ e)	VEHICLE/EQUIPMENT TRANSPORTATION EMISSIONS (tCO ₂ e)	ANNUAL TOTAL GHG EMISSIONS (tCO ₂ e)
Calendar year 2017	36,199	35,711	71,910
Calendar year 2018	37,847	42,905	80,752

- Five provincially funded building projects participating in The Manitoba Green Building Program achieved LEED (Leadership in Energy and Environmental Design) certification. Of the five projects, four exceeded the base requirement by achieving LEED Gold certification.
- Supported the Sustainable Procurement in Manitoba Working Group to host a workshop on Low Carbon Procurement. The workshop was held to increase awareness among procurement professionals of carbon implications for goods and services purchased by the public sector.

Table CGPIO.1
12.5(a) Climate and Green Plan Implementation Office

Expenditures by Sub-appropriation	Actual 2019/20 \$ (000)	FTE	Estimate 2019/20 \$ (000)	Variance Over/(Under) \$ (000)	Expl. No.
Salaries and Employee Benefits	1,874	19.00	1,832	42	
Other Expenditures	369		418	(49)	
Total 12.5(a)	2,243	19.00	2,250	(7)	

Wildfire Service – Actual Suppression

The Manitoba Wildfire Service ensured adequate workers, aircraft and equipment resources were available to achieve safe, efficient and cost effective wildfire suppression activities to mitigate human, property and resource losses.

Note: for more information on the Manitoba [Wildfire Service](#), please refer to the more extensive section in 12.2(b) of this Annual Report.

Table WP.1
12.6(a) Wildfire Service – Actual Suppression

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	FTE	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
Other Expenditures	29,500		29,500	0	
Total 12.6(a)	29,500		29,500	0	

Part A - Costs Related to Capital Assets

Costs related to Capital Assets are allocated for all amortization and interest expenses on capital investments under the responsibility of Conservation and Climate. The budget allocations follow the format for Part B by separating General Assets and Infrastructure.

General Assets - Funding for the construction of new facilities or the improvement of existing facilities that are used by government personnel to deliver services to the public. General Assets also includes the acquisition of machinery, equipment, and major computer software programs.

Infrastructure Assets - Funding provides for the construction of new facilities or the improvement of existing facilities that are used by the general public throughout the department's program areas. The majority of this funding is represented throughout provincial parks.

Table ACA.1
12.7 Costs Related to Capital Assets

Expenditures by Sub-appropriation	Actual 2019/20 \$(000)	Estimate 2019/20 \$(000)	Variance Over/(Under) \$(000)	Expl. No.
(a) General Assets				
(1) Amortization Expense	4,821	4,712	109	
(2) Interest Expense	5,567	5,608	(41)	
(b) Infrastructure Assets				
(1) Amortization Expense	5,426	5,349	77	
(2) Interest Expense	6,448	6,313	135	
Total 12.7	22,262	21,982	280	

Part B – Capital Investment

General Assets

General Assets funding provides for the construction of new facilities or the improvement of existing facilities that are used by government personnel to deliver services to the public. General Assets also includes the acquisition of machinery, equipment, and major computer software programs.

Key Results Achieved:

- Completed construction of wildfire crew bunkhouses at Grace Lake and Cold Lake, building move and construction of a new facility at Baker's Narrows, and upgrades to bunkhouses at Spruce Woods and Hecla provincial parks.
- Completed development of Water Licensing and Land Assessment System (WaLLas), an information management system that administers Water Rights Use and Water Control Works and Drainage licences required under The Water Rights Act and Regulation.
- Machinery and equipment purchases included trailers, industrial riding lawn mowers, utility terrain vehicles, a GPS unit, a well log scanner and a wildfire fire mobile warehouse in order to maintain service delivery.

Infrastructure Assets

Infrastructure Assets provides funding for the construction of new facilities or the improvement of existing facilities that are used by the general public throughout the department's program areas. The majority of this funding is represented throughout provincial parks.

Key Results Achieved:

- Grand Beach washroom/shower building improvements were completed with a fully accessible gender-neutral, modern and efficient building for public use.
- Completed work on new washroom/shower buildings at Big Whiteshell and Paint lakes to address deteriorating infrastructure in provincial parks.
- Continued work on upgrades to the waste water lagoons at Grand Beach and Adam Lake campgrounds. The work completed at Grand Beach represents a part of a multi-year project that will improve wastewater management in the park. The Adam Lake lagoon work addressed structural issues with the facility and increased the capacity for wastewater treatment.
- Completed upgrades to the Hecla Wastewater Treatment Plant to ensure continued operation of the facility with sufficient air supply to meet lagoon aeration requirements.

- Installed new seawall lighting on the Winnipeg Beach boardwalk to address limited light in the area. The lighting was requested by the community to mitigate public safety concerns.
- Pisew Falls boardwalk, stair access path and at-grade trails were completed in order to make the viewing platform near the falls more accessible to persons with disabilities.
- The Department began work on the development of Duff Roblin Provincial Park. This is a multi-year project as part of Manitoba 150 celebrations.
- UV lights were installed at the Whiteshell and Swan Creek fish hatcheries. The specialized lights would help reduce the risk of pathogens (i.e., fungal outbreaks impacting egg mortality) providing protection for walleye fry at these facilities.

Revenue and Expenditure Summaries

Table RE.1
Reconciliation Statement

\$(000s)	
DETAILS	2019/20 ESTIMATES
2019/20 MAIN ESTIMATES	\$145,234
MAIN ESTIMATES AUTHORITY TRANSFERRED FROM:	
Enabling Appropriation	
• Internal Service Adjustments	1,177
2019/20 ESTIMATE	\$146,411

**Table RE.2
Revenue Summary by Source**

For the year ended March 31, 2020, with comparative figures for the previous year

Actual 2018/19	2019/20	Increase (Decrease)	Source	Actual 2019/20	Estimate 2019/20	Variance	Expl. No.
OTHER REVENUE:							
			Clean Environment				
99	0	(99)	Commission Cost Recovery	0	100	(100)	1.
693	624	(69)	Environment Fees and Sundry	624	553	71	2.
18,910	18,816	(94)	Parks Fees	18,816	17,672	1,144	3.
5,548	5,448	(100)	Regional Operations Fees and Cost Recovery	5,448	5,320	128	4.
103,192	113,446	10,254	Water Power Rentals	113,446	107,355	6,091	5.
122	146	24	Water Resources Sundry	146	121	25	6.
238	653	415	Sundry	653	300	353	7.
128,802	139,133	10,331	Subtotal	139,133	131,421	7,712	
GOVERNMENT OF CANADA:							
0	0	0	Ecosystem Monitoring Network	0	0	0	
0	0	0	Subtotal	0	0	0	
128,802	139,133	10,331	Total	139,133	131,421	7,712	
0	17	17	Sale of Government Assets	17	0	17	

Explanation Number:

1. No revenue in 2019/20 as there were no hearings by the Commission during the current year.
2. Higher revenue primarily due to higher Environmental Licence Proposal fee applications, Certification fees, Environmental Remediation fees and On-site Wastewater Management fees.
3. Higher revenues due to favorable Camping weather conditions resulting in increased demand for Vacation Cabins and Yurts rentals, Camping permits, Land Use permits/licenses and Park Vehicle permits in 2019/20.
4. Higher revenues due to providing assistance to out of province forest fire suppression.
5. Higher revenue due to higher than anticipated precipitation and system water inflows.
6. Higher revenue due to increased Water Rights applications received in 2019/20.
7. Higher revenue due to proceeds received from the sale of property remediated through the environmental liabilities remediation program for contaminated sites.

**Table RE.3
Expenditure Summary**

For fiscal year ended March 31, 2020 with comparative figures for the previous year.

Estimate 2019/20	Appropriation	Actual 2019/20	Actual 2018/19	Increase (Decrease)	Expl. No.
12-1 Finance and Shared Services					
42	(a) Minister's Salary	43	42	1	
	(b) Executive Support				
678	Salaries and Employee Benefits	726	784	(58)	
182	Other Expenditures	101	134	(33)	
	(c) Administration & Financial Services				
4,431	Salaries and Employee Benefits	4,047	4,191	(144)	1
951	Other Expenditures	1,656	1,040	616	2
	(d) Clean Environment Commission				
328	Salaries and Employee Benefits	304	361	(57)	
101	Other Expenditures	34	72	(38)	
	(e) Sustainable Resource and Economic Policy				
100	Salaries and Employee Benefits	138	151	(13)	
5	Other Expenditures	0	0	0	
	(f) Indigenous Relations				
349	Salaries and Employee Benefits	145	261	(116)	3
257	Other Expenditures	39	87	(48)	
7,424	Total 12-1	7,233	7,123	110	
12-2 Parks and Resource Protection					
	(a) Parks and Protected Spaces				
20,707	Salaries and Employee Benefits	20,558	20,066	492	4
8,692	Other Expenditures	9,394	9,634	(240)	5
393	Grant Assistance	392	460	(68)	
	(b) Wildfire				
9,846	Salaries and Employee Benefits	9,077	13,629	(4,552)	6
10,669	Other Expenditures	9,901	5,931	3,970	7
	(c) Resource Enforcement				
12,881	Salaries and Employee Benefits	12,755	13,104	(349)	8
3,837	Other Expenditures	4,705	4,189	516	9
67,025	Total 12-2	66,782	67,013	(231)	
12-3 Environmental Stewardship					
	(a) Divisional Administration				
383	Salaries and Employee Benefits	270	365	(95)	
44	Other Expenditures	56	44	12	
	(b) Environmental Compliance and Enforcement				
4,264	Salaries and Employee Benefits	3,905	3,834	71	
773	Other Expenditures	670	884	(214)	10
	(c) Environmental Approvals				
3,745	Salaries and Employee Benefits	3,461	3,263	198	11
2,053	Other Expenditures	8,937	5,940	2,997	12
	(d) Environment Program Development				
1,044	Salaries and Employee Benefits	920	936	(16)	
84	Other Expenditures	99	99	0	
67	Grant Assistance	67	67	0	
	(e) Office of Drinking Water				

Estimate 2019/20	Appropriation	Actual 2019/20	Actual 2018/19	Increase (Decrease)	Expl. No.
2,249	Salaries and Employee Benefits	2,161	2,113	48	
625	Other Expenditures	666	659	7	
15,331	Total 12-3	21,212	18,204	3,008	
	12-4 Water Stewardship and Biodiversity				
	(a) Drainage and Water Rights Licensing				
2,394	Salaries and Employee Benefits	2,406	2,362	44	
505	Other Expenditures	493	488	5	
2,899	Total 12-4	2,899	2,850	49	
	12-5 Climate Change and Green Implementation Office				
	(a) Climate Change and Green Implementation Office				
1,832	Salaries and Employee Benefits	1,874	1,340	534	13
418	Other Expenditures	369	423	(54)	14
2,250	Total 12-5	2,243	1,763	480	
	12-6 Wildfire Program				
	(a) Actual Suppression				
29,500	Other Expenditures	29,500	42,583	(13,083)	15
29,500	Total 12-6	29,500	42,583	(13,083)	
	12-7 Costs Related to Capital Assets				
	(a) General Assets				
4,712	(1) Amortization Expense	4,821	4,591	230	16
5,608	(2) Interest Expense	5,567	5,593	(26)	
	(b) Infrastructure Assets				
5,349	(1) Amortization Expense	5,426	5,366	60	
6,313	(2) Interest Expense	6,448	6,279	169	17
21,982	Total 12-7	22,262	21,829	433	
146,411	TOTAL EXPENDITURES	152,131	161,365	(9,234)	
	B.12 Capital Investment				
	(a) General Assets				
169	(1) Information Technology Projects	0	0	0	
1,538	(2) Other Equipment and Buildings	1,949	1,961	(12)	
	(b) Infrastructure Assets				
14,332	(1) Parks Infrastructure Projects	13,137	4,643	8,494	18
16,039	TOTAL B.12 CAPITAL INVESTMENT	15,086	6,604	8,482	

Explanations:

1. The decrease is due to higher vacancies in 2019-20.
2. The increase is due to implementation of e-licensing, consulting, training and legal costs in 2019-20.
3. The decrease is due to vacancies.
4. The increase is due to Parks and Resource Protection being fully staffed with vacancies in 2019-20.
5. The decrease is due to discretionary spending in Parks Maintenance and Operations in 2019-20.
6. The decrease is due to Air Services salary savings in 2019-20.
7. The increase is due to higher Aircraft services and expenses, contracted to fight fires in the Province.
8. The decrease is due to higher vacancies in 2019-20.

Estimate 2019/20	Appropriation	Actual 2019/20	Actual 2018/19	Increase (Decrease)	Expl. No.
9.	The increase is due to higher Resource Enforcement and Protection activity in the Regions in 2019-20.				
10.	The decrease is due to lower operating costs due to expenditure management and discretionary spending.				
11.	The increase is due to Staff Turnover allowance, as branch is fully staffed in 2019-20.				
12.	The increase is due an adjustment of inflationary costs related to environmental liabilities for contaminated sites.				
13.	The increase is due filling of vacant position in the Climate and Green Plan Implementation Office in 2019-20.				
14.	Explanation Deleted				
15.	The decrease is due to higher Actuals Fire Suppression expenditures for fighting provincial wildfires on Manitoba/Ontario borders in 2018-19.				
16.	The increase in Amortization is due to transfer of seven Waterbomber planes from Air Services in 2019-20.				
17.	The increase is due to Interest expense paid for various completed Infrastructure Assets in 2019-20.				
18.	The increase is due to the progression of various Parks Infrastructure projects in 2019-20.				

Note:

- 12.5 Climate and Green Plan Implementation Office 2018/19 Other Expenditures adjusted to \$423 resulting in revised variance of \$(54). Variance explanation #14 no longer required.
- Total 12.5 adjusted to \$1,763 with variance of \$480.
- TOTAL EXPENDITURES adjusted to \$161,365 with new variance of \$(9,234)

Table RE.4**Five Year Expenditure and Staffing Summary by Appropriation**

For year ending March 31, 2016 – March 31, 2020*

	2015/16		2016/17		2017/18		2018/19		2019/20	
	FTEs	\$(000)								
Finance and Shared Services	83.00	8,222	80.00	8,449	76.00	7,447	74.00	7,123	73.00	7,233
Parks and Resource Protection	364.85	67,876	360.85	68,300	355.10	67,505	347.10	67,013	342.10	66,782
Environmental Stewardship	161.00	35,512	160.00	18,205	142.00	21,032	136.00	18,204	136.00	21,212
Water Stewardship & Biodiversity	31.00	3,176	30.00	3,262	30.00	2,572	31.00	2,850	30.00	2,899
Climate and Green Plan Implementation Office	19.00	2,079	19.00	2,206	19.00	2,196	19.00	1,763	19.00	2,243
Fire Extra Suppression		42,400		27,161		34,853		42,583		29,500
Costs Related to Capital Assets		23,878		23,392		22,902		21,829		22,262
Total Appropriations	658.85	183,143	649.85	150,975	622.10	158,507	607.10	161,365	600.10	152,131

*Adjusted figures reflect historical date on a comparable basis in those appropriations affected by re-organization, during the years under review.

Note: The 2018/19 \$(000) for Climate and Green Plan Implementation Office has been adjusted to \$1,763, changing the department's total to \$161,365.

Performance Reporting Table 2019/20

The following section provides information on key performance measures for the department for the 2019/20 reporting year.

Performance indicators in department's Annual Reports are intended to complement financial results and provide Manitobans with meaningful and useful information about government activities, and their impact on the province and its citizens.

For more information on performance reporting and the Manitoba government, visit www.manitoba.ca/performance.

Your comments on performance measures are valuable to us. You can send comments or questions to mbperformance@gov.mb.ca.

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
The number of certificates received by participants in the Certificate of Indigenous Relations Program (CIRP).	This program was developed in response to the Truth and Reconciliation Report (2016) Call to Action #57 to educate public servants on Indigenous history, rights, culture, relations, etc. This program aims to provide internal training on Indigenous	2019/20 was the fourth year of CIRP. The program is completed over one fiscal year.	Nine staff completed the program and received their certificates.	CIRP planned to be offered as long as it is approved by Executive Management Committee (EMC) to educate more staff in the department. Certificate holders are used as resources for Indigenous relations in their	The program was approved for its fourth year and 15 department staff participated. CIRP was nominated for a Service Excellence Award for the 2016/17 year. CIRP was awarded, the Institute of Public Administration of Canada (IPAC) Public Sector Leadership and Excellence Gold Medal Award in 2019

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
	Relations to staff within the department to enhance one of the department's top three priorities – Reconciliation with Indigenous peoples in Manitoba.			branches as they have the education to make decisions about programs, policies and initiatives within their program areas.	
<p>The availability of high quality outdoor recreation opportunities and experiences for Manitobans; measured by:</p> <ul style="list-style-type: none"> - Number of improved campsites made available (e.g., washrooms, showers). - Yearly occupation 	<p>It is important to measure the expansion of available recreational campsites because the ability to enjoy outdoor recreation experiences is very important to Manitobans. Camping is an important activity in Manitoba and it is important to know if the camping program is meeting the</p>	<p>The baseline year is 2004/05–225 improved campsites were made available to Manitobans that year.</p>	<p>New campground offices welcomed the public in 2019 at Spruce Woods and Asessippi Provincial Parks. An improved washroom/shower building in Grand Beach Provincial Park added accessible washroom and shower stalls to an existing building. The average campsite occupancy was 38.5 per cent,</p>	<p>From 2004/05 through 2019/20, a total of 1124 camping improvements were implemented.</p> <p>Increasing campsite occupancy.</p>	

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
rates of all campsites.	needs of Manitobans.		which is up 0.4 per cent from 2018/2019.		
Reduction in environmental liabilities for which the department is responsible.	Contaminated and impacted sites may be harmful to human health and/or the environment. They need to be tracked to ensure public safety and health and environmental protection. They also create a financial liability that must be addressed.	The baseline year is 2005/06. Recorded value of environmental liabilities was \$39 million as of March 31, 2006.	Recorded value of environmental liabilities for the department was \$74.8 million as of March 31, 2019, and was increased to \$80.8 Million as of March 31, 2020.	Recorded value of environmental liabilities decrease as sites are remediated, and environmental quality increases as a result. The financial liability also decreases over time.	Initial identification and assessment phase is complete. Assessment and remediation of priority sites is ongoing. Stronger legislation to ensure “polluter pays” and that the department does not have to take responsibility for such sites is currently under consideration. Work completed over the past year has included the increase in liability amount for sites to adjust for inflation and other previously unidentified costs (e.g., legal fees). It also represents the addition of two new liability sites, and an increase to the total liability amount for a specific site, at which the contamination has been shown to have increased dramatically over the past several years.

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
<p>Hectares of protected and conserved area in Manitoba.</p>	<p>Protected and conserved areas help ensure conservation of biodiversity, maintain natural cycles, provide pristine areas and preserve land for Indigenous people to maintain their traditional activities. Measuring the growth in protected and conserved areas will tell us how well we are meeting our goal for protected and conserved areas that represent the biodiversity in each of Manitoba's ecoregions.</p>	<p>The baseline year is 1990 - 350,000 hectares were designated as protected when the Protected Areas Initiative began.</p>	<p>Currently 7.2 million hectares or 11.0 per cent of Manitoba is protected or recognized as other effective area based conservation measures– a significant increase since 1990. This includes two national parks, two national wildlife areas, 30 ecological reserves, all or parts of 34 provincial parks, one park reserve, all or parts of 52 wildlife management areas, two areas designated under</p>	<p>Since 1990, the area of protected and conserved lands has increased from 350,000 hectares to 7,211,500 hectares, as of March 31, 2020.</p>	

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
			The Forest Act, four traditional use planning areas, various parcels of private land owned by land trusts, and the recognition of one other effective area-based conservation measure.		
Waste diversion Tonnage of waste diverted away from landfills for recycling and safe disposal.	Increasing the amount of waste diversion reduces waste disposal costs, saves landfill space and generates environmental, social and economic benefits.	2012: Manitoba's regulated recycling programs diverted 109,000 tonnes of material from landfills.	2018: Manitoba's regulated recycling programs diverted approximately 135,190 tonnes of waste materials to recycling and proper disposal systems.	After an initial increase, total waste diverted by regulated recycling programs began to level-off in recent years.	The department continues to work with the Producer Responsibility Organizations to expand the list of designated materials and make recycling programs more accessible to rural, remote and northern communities. Producer Responsibility Organization program's annual reports available at: www.manitoba.ca/sd/wastewise/annual-rpts.html

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
Organics tonnage diverted away from landfills for composting.	Reducing the amount of organic waste going to landfills reduces waste disposal costs, saves landfill space and generates environmental, social and economic benefits.	2010: 19,672 tonnes of organics diverted (Statistics Canada).	2019: 55,387 tonnes of organic waste was diverted to compost facilities	The amount of diversion of organic materials is stable with the establishment of the Manitoba Composts Program in 2014. The program goal is to increase diversion of organic waste to 100,000 tonnes annually.	
Recycling tonnages reported to the WRARS program based on quantity of materials diverted from waste disposal facilities.	Reducing the amount of waste going to landfills reduces waste disposal costs and generates environmental and social benefits, including business opportunities.	2010: 68,937 tonnes of recycling reported by municipalities (65 kilograms per capita).	2019: 65,019 tonnes of recycling reported by municipalities and Northern Affairs communities (52 kilograms per capita)	The amount of materials being recycled is decreasing, possibly due to light-weighting of packaging and changes in the composition of materials in the recycling stream.	

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
Quantity of waste disposed of at waste disposal sites and the resulting per capita waste tonnage.	Manitoba has high per capita waste generation rate compared to other jurisdictions. Tracking the numbers will help measure waste diversion performance and indicate where more waste reduction recycling initiatives are needed.	2011: 972,958 tonnes of waste (923 kilograms per capita).	2019: 902,848 tonnes of waste (719 kilograms per capita).	The amount of waste landfilled per capita is decreasing.	
Percentage of public water systems that achieve full compliance with their disinfection monitoring requirements.	Disinfection and bacteriological monitoring requirements address critical acute public health risks associated with disease-causing microbiological organisms.	The baselines established in 2015 for percentage of public water systems achieving full compliance with all disinfection and bacteriological monitoring requirements was	The percentage of public water systems achieving full compliance with all the disinfection and bacteriological monitoring requirements in 2019 were 56 per cent and 62 per cent respectively.	The Office of Drinking Water began monitoring compliance with disinfection and bacteriological monitoring requirements in 2003. Compliance improved gradually over time, with	Approximately 419 public water supply systems in Manitoba serve approximately 90 per cent of residents. The remainder are serviced by semi-public or private water systems or fall within federal jurisdiction, e.g., First Nations.

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
<p>Percentage of public water systems that achieve full compliance with their bacteriological monitoring requirements.</p> <p>Percentage of public water systems that achieved full compliance with the physical, chemical and microbiological standards that apply to their system.</p>	<p>Physical, chemical and microbiological standards address lower-level public health risks (e.g., risks associated with lifetime exposure).</p>	<p>67 per cent and 60 per cent respectively.</p> <p>The baseline established in 2011 for percentage of public water systems achieving compliance with all chemical standards that applied to their system was 66 per cent.</p>	<p>The percentage of public water system complying with all physical, chemical and microbiological standards that apply to their system in 2019 was 82 per cent. The initial baseline considered only chemical standards, whereas the latest data considers physical (turbidity) and microbiological (protozoa and virus) standards in addition to new chemical standards adopted in 2017.</p>	<p>occasional dips as the Office expanded its surveillance of previously unregulated systems or tightened reporting criteria.</p> <p>Compliance with chemical and microbial standards has been increasing gradually over time. The increase is related to water system upgrades, including systems that changed sources in 2019 - for example small surface water systems that connected to a regional system.</p>	<p>Rural and northern systems face significant challenges in trying to meet the monitoring requirements due to sample shipping constraints (transportation time, maximum/minimum temperature variations).</p> <p>Drinking water safety is protected through the use of construction permits and operating licences; water quality monitoring; scheduled and unscheduled inspections; education of water system owners, operators and the general public; and progressive risk-based enforcement.</p> <ul style="list-style-type: none"> • Permitting helps ensure that minimum engineering and construction standards are met or exceeded. • Licensing, inspections, water quality monitoring and enforcement help ensure that minimum

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	What is the starting point? (baseline data and year) (C)	What is the 2019/20 result or most recent available data? (D)	What is the trend over time? (E)	Comments/recent actions/report links (F)
					<p>operational performance and water quality standards are met.</p> <p>Activities focus on public health protection, and maintenance of water quality and public confidence.</p> <p>For more information, see the Office of Drinking Water website at: http://www.gov.mb.ca/waterstewardship/drinking_water/index.html</p>

The Public Interest Disclosure (Whistleblower Protection) Act

The Public Interest Disclosure (Whistleblower Protection) Act came to effect in April 2007. This law gives employees a clear process for disclosing concerns about significant and serious matters (wrongdoing) in the Manitoba public service, and strengthens protection from reprisal. The Act builds on protections already in place under other statutes, as well as, collective bargaining rights, policies, practices and processes in the Manitoba public service.

Wrongdoing under the Act may be: contravention of federal or provincial legislation; an act of omission that endangers public safety, public health or the environment; gross mismanagement; or, knowingly directing or counseling a person to commit a wrongdoing. The Act is not intended to deal with routine operational or administrative matters.

A disclosure made by an employee in good faith, in accordance with the Act and with a reasonable belief that wrongdoing has been or is about to be committed is considered to be a disclosure under the Act, whether or not the subject matter constitutes wrongdoing. All disclosures receive careful and thorough review to determine if action is required under the Act, and must be reported in a department's annual report in accordance with section 18 of the Act.

The following is a summary of disclosures received by Manitoba Conservation and Climate, for fiscal year 2019/20.

Information Required Annually (per section 18 of The Act)	Fiscal Year 2019/20
The number of disclosures received and the number acted on and not acted <i>Subsection 18(2)(a)</i>	Nil
The number of investigations commenced as a result of a disclosure. <i>Subsection 18(2)(b)</i>	Nil
In the case of an investigation that results in a finding of wrongdoing, a description of the wrongdoing and any recommendations or corrective actions taken in relation to the wrongdoing, or the reasons why no corrective action was taken. <i>Subsection 18(2)(c)</i>	N/A

Regulatory Accountability and Red Tape Reduction

Manitoba Conservation and Climate is committed to implementing the principles of regulatory accountability as set out in [The Regulatory Accountability Act](#). The department works to achieve balance with regulatory requirements, identify the best options for them, assess their impact and incorporate them in department activities, programs and in the development of all regulatory instruments.

A regulatory requirement is a requirement in a regulatory instrument for a person to take an action in order to

- access a program or service offered by the government or a government agency;
- carry on business; or
- participate in a regulated activity.

Regulatory accountability provides a framework to create a transparent, efficient and effective regulatory system. Red tape reduction aims to remove the regulatory requirements that are unclear, overly prescriptive, poorly designed, redundant, contradictory or antiquated. Not all regulatory requirements create red tape.

Regulatory Requirements

	Baseline	2016/17	2017/18	2018/19	**2019/20
*CONSERVATION AND CLIMATE	(April 1, 2016)	(March 31, 2017)	(March 31, 2018)	(March 31, 2019)	(March 31, 2020)
Total number of regulatory requirements	95,596	95,003	94,531	89,243	36,384

* The new department was created as part of the October 2019 reorganization, centred on the former department of Sustainable Development.

** The 2019/20 figure includes changes to regulatory requirements that do not reflect the actual change in regulatory requirements brought about by the department in the fiscal year. Specifically, the reorganization resulted in changes to the departmental structure whereby divisions, related programs, regulatory instruments and their corresponding regulatory requirements previously owned by former department of Sustainable Development were transferred to other departments including Conservation and Climate.

These transfers resulted in:

- an increase of 1,157 from former Sustainable Development.
- a decrease of 53,206 to Agriculture and Resource Development.

The department's count for the period resulting from its own regulatory activity is 88,433 and include changes made under the former department. By comparison with the 2018/19 count of 89,243, the count for 2019/20 of 88,433 represents a decrease of 810 regulatory requirements.

Additional information is provided in the 2019/2020 Manitoba Regulatory Accountability Report.

Achievements

The department continues to work towards reducing regulatory requirements and eliminating red tape. In 2019/20, the department made progress on the implementation of two significant multi-year initiatives that will improve efficiencies and streamline government approval processes - overhaul of the water drainage regulatory regime and new online elicensing system.

- The new water drainage regulatory regime streamlines the approval process for lower-risk, lower impact drainage and water-retention works, while protecting Manitoba's wetlands by implementing the commitment to 'no-net-loss' of wetland benefits. To support a new registration process, amendments were made to The Water Rights Act (in 2018) and regulations (in 2019) which both came into effect on October 1, 2019. Work continued in 2019/20 to update policies and launch a new Water Licensing Portal that enables applicants to create an account, apply online and stay up to date with the status of their application. The resulting regulatory requirement and burden changes will be assessed and reported in the 2020/21 period.
- The development and implementation of a elicensing system improves the existing regulatory framework established to manage natural resources by replacing the inefficient and time-consuming manual paper-based licensing system to a new consolidated on-line platform. Elicensing streamlines the licenses and permits issued by the department of Conservation and Climate and the department of Agriculture and Resource Development, while expanding access and convenience to the public (e.g. online purchasing on a 24x7x365 basis). To support the new system, amendments were introduced in March 2020 to The Fisheries Act, Forest Act and Provincial Parks Act. Additional supporting regulation amendments under various statutes (Wildlife, Fisheries, Forest and Provincial Parks) will also be advanced. The resulting regulatory requirement and burden changes with regards to the entire elicensing project will be assessed and reported in 2020/21.

The department is continuing to review programs, policies and legislation to seek out and identify unnecessary requirements and opportunities to streamline processes.

List of Tables

Finance and Shared Services

- [AF.1](#) Expenditure, Minister's Salary
- [AF.2](#) Expenditure, Executive Support
- [AF.3](#) Expenditure, Administration and Financial Services
- [AF.4](#) Expenditure, Clean Environment Commission
- [AF.5](#) Expenditure, Sustainable Resource and Economic Policy
- [AF.6](#) Expenditure, Indigenous Relations

Parks and Resource Enforcement

- [PRP.1](#) Expenditure, Parks and Protected Spaces
- [PRP.2](#) Expenditure, Manitoba Wildfire Service
- [PRP.3](#) Expenditure, Resource Enforcement
- [PRS.1](#) 2019/20 T.I.P. Call Type by Region – Total Calls Received
- [PRS.2](#) T.I.P. Resource Violation Calls by Year 2010/11 to 2019/20 (excluding Fire)
- [PRS.3](#) Comparison of Wildlife, Fisheries, Parks and Migratory Birds Prosecutions 2010/11 to 2019/20
- [PRS.4](#) Record of Violations Occurring 2019/20
- [PRS.5](#) Hunter-Killed Livestock Compensation 2010/11 to 2019/20
- [PRS.6](#) Problem Wildlife Occurrences 2019/20
- [PRS.7](#) 2019 Number of Fires and Area Burned by Region
- [PRS.8](#) 2019 Number of Fires and Area Burned by Priority Zone and Action Status
- [PRS.9](#) 2019 Area Burned by Priority Zone

Figures

- [Figure 1](#) - Area Burned, 2001-2019
- [Figure 2](#) - Number of Fires, 2001-2019

Environmental Stewardship

- [ES.1](#) Expenditure, Divisional Administration
- [ES.2](#) Expenditure, Environmental Compliance and Enforcement
- [ES.3](#) Expenditure, Environmental Approvals
- [ES.4](#) Expenditure, Environmental Program Development
- [ES.5](#) Expenditure, Office of Drinking Water
- [ECE.1](#) Environmental Legislation Enforcement Summary 2019/20
- [EAB.1](#) Environmental Approvals Activities

Water Stewardship and Biodiversity

- [WSB.1](#) Expenditure, Drainage and Water Rights Licensing

Climate and Green Plan Implementation Office

- [CGPIO.1](#) Expenditure, Climate and Green Plan Implementation Office
- [WP.1](#) Wildfire Service – Actual Suppression
- [ACA.1](#) Expenditure, Costs Related to Capital Assets
- [RE.1](#) Reconciliation Statement
- [RE.2](#) Revenue Summary by Source
- [RE.3](#) Expenditure Summary
- [RE.4](#) Five-Year Expenditure and Staffing Summary by Appropriation