

Alberta NAWMP Partnership

2017-2018 Progress Review

APRIL 2017 TO MARCH 2018



*North American Waterfowl
Management Plan*





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PREFACE: THE HUMAN DIMENSION IN WETLAND CONSERVATION

People and their experiences are shaping the evolution of waterfowl populations and habitats here in Alberta and across the continent. In recognition of that, the most recent update to the North American Waterfowl Management Plan (NAWMP) increases the Plan's emphasis on growing the number of waterfowl hunters, other conservationists and citizens who actively support waterfowl and wetland conservation.

Personal experiences often drive people's interest in wetlands and waterfowl. For me, a key moment was many years ago during my short stay in Carstairs, Alberta. It was a beautiful, growing community where we moved to escape city life. A local wetland was in jeopardy of being lost through the town's expansion. With heavy equipment preparing to landscape this area, town residents and concerned Albertans requested a stop-work order that prevented this avoidable loss. Although my profession was already focused on waterfowl and wetland conservation, this community action reinforced for me the commitment we all share to maintain our natural spaces and preserve these important habitats. On a recent trip back to Carstairs, I purposely drove by this wetland. I was proud to see the wetland was still functioning, with the growing community still maintaining the appropriate setbacks from the wetland.

Connecting people with the importance of wetland and waterfowl conservation is a key part of what the Alberta NAWMP Partnership does. Through our annual forums, communications and projects, we seek to discover how our interests intersect with the interests of other stakeholders and to move forward together to achieve shared goals. This *Progress Review* gives some great examples of our approach.

For instance, *Evaluating Alberta NAWMP's Role in the Vermilion Plan* describes findings from an objective evaluation. It showed that Alberta NAWMP's collaborative, respectful approach, and its focus on group capacity building made a significant contribution to a multi-agency watershed planning effort and ensured that wetlands were an essential part of the plan.

In *The Wetland Education Network: Forward, Together*, we look at a network that is bringing together people from many sectors to advance wetland education. Alberta NAWMP is acting as a facilitator, funder and capacity builder to help get the network off to a good start.

Preserving a Gem in a Parkland Conservation Setting highlights the power of personal experiences. A landowner's passion for a beautiful, natural quarter section and her strong working relationship with Ducks Unlimited Canada (DUC), an Alberta NAWMP partner, inspired her to protect this habitat forever through a DUC conservation easement.

Partners in Boreal Forest Protection outlines how governments, First Nations, industries and environmental groups worked together to add 3.36 million acres to Alberta's boreal parks. The Nature Conservancy of Canada and Alberta Environment and Parks, which are both Alberta NAWMP partners, were among the many agencies involved in this momentous advance, which ensures protection of countless wetlands, along with many other benefits.

With *Duck Predation in the Changing Boreal Landscape*, we profile research by DUC and the University of Waterloo that is investigating how industrial development affects ducks in Alberta's boreal region. This study will help strengthen the biological foundation of boreal conservation programs.



While the faces around the table change as we work on different initiatives, one aspect that doesn't change is how working together takes us farther than working alone. I thank all the individuals and agencies that helped us make this past year a success. On behalf of Alberta NAWMP, I am pleased to present the *Alberta NAWMP Partnership 2017-2018 Progress Review*.

Travis Ripley
Chair, Board of Directors
Alberta NAWMP Partnership



NAWMP IN ALBERTA

The North American Waterfowl Management Plan (NAWMP) is a landmark partnership between Canada, the United States and Mexico for habitat conservation to sustain continental waterfowl populations.

Created in 1986, NAWMP defines and prioritizes geographic regions across the continent based on their biological values for waterfowl and other wetland-associated birds. Its initiatives address regional and continental priorities, using a collaborative approach at local, regional, national and international levels.

NAWMP achieves its goals through voluntary regional partnerships that implement local actions. The Prairie Habitat Joint Venture (PHJV) is the regional NAWMP partnership with responsibility for prairie, parkland and boreal landscapes in western Canada. This region contains some of the most productive areas for waterfowl in the world and is crucial to the maintenance and recovery of mid-continent waterfowl populations.

Since its inception in 1986, the PHJV has developed a series of science-based Habitat Implementation Plans to guide its activities.

Its 2013-2020 Habitat Implementation Plan is aligned with NAWMP's 2012 Revision, the most recent update of the international plan. The 2012 Revision continues NAWMP's focus on conserving waterfowl populations and their key habitats but adds a heightened emphasis on engagement with hunters, other conservationists and the general public.

The 2013-2020 plan also widens the PHJV's scope to formally include the Western Boreal Forest Region in addition to its longstanding interest in the Prairie and Parkland regions. And this plan increases the PHJV's attention on other types of birds, while maintaining its enduring commitment to waterfowl conservation.

The PHJV includes provincial NAWMP partnerships in Alberta, Saskatchewan and Manitoba. The Alberta component of the PHJV's 2013-2020 plan provides the framework and springboard for Alberta NAWMP's current activities.

Alberta NAWMP is a partnership of three government and two non-government organizations. It is directed by a Board of Directors and a Management Committee, which are advised by Policy and Communications committees.

The members of the Board and the committees are drawn from the five partner agencies.

Alberta NAWMP coordinates joint projects, communications, planning and policy support, and it facilitates funding options among the partners. It supports partner activities through technical and logistical assistance and by advancing innovative ideas through facilitation, funding support and capacity building.

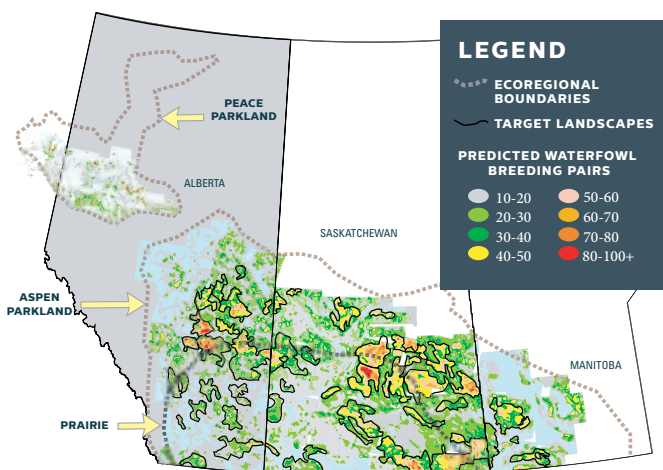
ALBERTA NAWMP (PHJV) VISION

Healthy prairie, parkland and boreal landscapes that support sustainable bird populations and provide ecological and economic benefits to society.

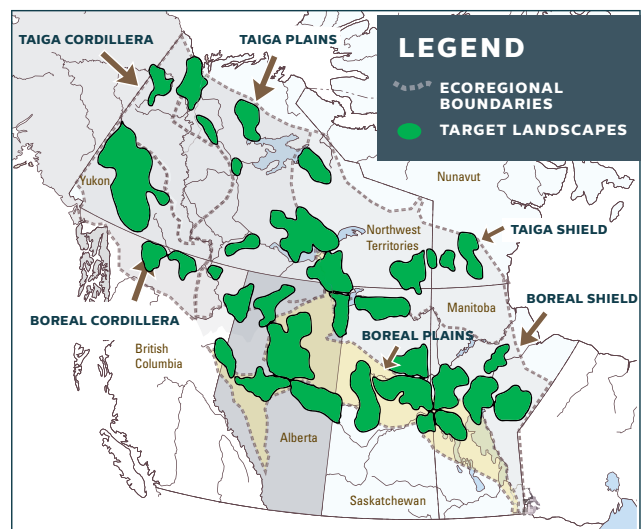
ALBERTA NAWMP (PHJV) MISSION

Provide leadership to achieve healthy and diverse waterfowl and other bird populations through conservation partnerships. These partnerships strive for sustainable and responsible management of the landscape taking into account social, economic and environmental factors.

PRAIRIE/PARKLAND TARGET LANDSCAPES



WESTERN BOREAL FOREST TARGET LANDSCAPES



WHO IS ALBERTA NAWMP?

Alberta NAWMP's success comes from the synergy of working together. It is a partnership of one federal and two provincial government departments and two non-government agencies that all have a responsibility for Alberta's wetlands as part of their mandates. The five organizations continually seek opportunities to work with each other and with regional and municipal agencies and other stakeholders. These collaborative networks enhance existing wetland stewardship efforts, launch innovative initiatives that otherwise might not happen, and build interest in and capacity for wetland conservation.

Together, the Alberta NAWMP partners and their collaborators are making exciting advances on shared conservation goals.

HOW WETLAND LANDSCAPES RELATE TO EACH PARTNER AGENCY'S ROLES, OBJECTIVES AND RESPONSIBILITIES:

GOVERNMENT

Alberta Environment and Parks (AEP) is the lead provincial agency responsible for the stewardship of Alberta's air, land, water and biodiversity. AEP administers the Alberta Wetland Policy, the objective of which is to conserve, restore, protect and manage Alberta's wetlands to sustain the benefits they provide to the environment, society and economy.

The **Alberta Ministry of Agriculture and Forestry** includes the Department of Agriculture and Forestry and a number of agencies, boards and commissions. Among the ministry's core business activities are: providing the framework and services necessary for the protection, conservation and sustainable management of forests; and enabling environmentally responsible and economically competitive forestry, agriculture and agri-food industries in Alberta and its global marketplaces.

Environment and Climate Change Canada strives to preserve and enhance the quality of the natural environment, including water, air, soil, flora and fauna, conserve Canada's renewable resources, conserve and protect Canada's water resources, and coordinate environmental policies and programs for the federal government.

PRIVATE, NON-PROFIT

Ducks Unlimited Canada (DUC) is a registered charity that has 80 years of experience in wetland conservation and restoration. DUC partners with government, industry, non-profit organizations and landowners to conserve wetlands for the benefit of society, waterfowl, other wildlife, and the environment.

Nature Conservancy of Canada, in partnership with corporations, governments, individual donors and landowners, works to achieve the direct protection of Canada's most important wild spaces through property securement and long-term stewardship of these properties. This work maintains critical lands and waters for wildlife and ensures clean air and water for our future generations.

ALBERTA NAWMP PARTNERSHIP COMMITTEES, 2017-18

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Nena Snyder, Environment and Climate Change Canada

COORDINATOR

Terra Simieritsch

PRESERVING A GEM IN A PARKLAND CONSERVATION SETTING

“A piece of paradise.” That’s how landowner Gloria Beck describes her beautiful, natural quarter section southeast of Red Deer. This past year, Beck and Ducks Unlimited Canada (DUC) set up a conservation easement to protect this prime habitat forever.

Beck’s property is a land of rolling hills and wetlands in Alberta’s parkland landscape, with wildflowers and prairie wool swaying in the summer breezes. Its diverse wildlife ranges from moose, deer and beavers, to great blue herons, hawks, great horned owls, countless songbirds and abundant ducks.

“My dad bought this quarter section when he was only 16. At the time, there were probably only two other men in the area who thought they had the money to buy this land. My dad earned money trapping, and he was able to purchase it. As he would tell the story, ‘They didn’t know some snotty-nosed kid would buy it out from under them!’” laughs Beck.

“That’s the story we grew up with. He was very proud of this quarter, and through the years, he always talked about keeping it in its natural state,” she says.

“Jumping forward a lot of years, I asked my dad if I could purchase this quarter from him. I loved country living, and I was always concerned that if he sold the land to somebody else, they might want to clear it. I wanted to make sure that it kept its natural habitat.”

Beck and DUC first started working together on this quarter about 30 years ago. Then in 1998, Beck and Cecil Walton, who was her neighbour at the time, along with DUC and the County of Red Deer formed

a partnership to install a couple of dams for retaining water on Beck’s and Walton’s properties. Beck says, “We all had a part to play in making this land the natural wetland area it is today.”

Back then, DUC had asked Beck about entering a 30-year agreement, but 30 years seemed to her like a very long way into the future. So she committed to a shorter agreement.

However, after three decades of great working relationships with DUC people, including Bob Thomson, the previous DUC representative in the area, and more recently Darwin Chambers, Beck was ready for a permanent agreement.

Her ‘No Break, No Drain’ DUC conservation easement protects in perpetuity the parcel’s 128 acres of upland habitat and 20 acres of wetland habitat.

“This parcel has long been a priority for DUC. With its intact wetlands and parkland vegetation, it is a gem,” says Chambers, who is DUC’s Alberta head of conservation programs. “And nowadays, there are fewer and fewer of those gems on the landscape.”

This easement will make a valuable contribution to Alberta NAWMP’s conservation goals for the Alberta Parkland Region. Chambers says, “Gloria’s quarter section provides great waterfowl habitat, with an estimated 30 to 40 duck breeding pairs per square mile. Plus, the parcel is a part of a larger conservation footprint in the Pine Lake Landscape, a NAWMP priority landscape. We have numerous other nearby conservation projects, providing habitat connectivity for wildlife.”

In DUC conservation easements, the landowner retains the management of the land. “Gloria is a steward of the land. She manages the property with a conservation mindset so it is not overgrazed and has an abundance of birds and other wildlife,” he notes. “She was a natural fit for when we had some funding for conservation easements. And she has always been interested in preserving the habitat on her parcel for generations.”

Beck says, “I want to keep this land the way Dad had dreamed of and then I dreamed of. You never know down the road, if someone else might not care quite enough to protect this habitat. If we don’t take care of it, who will?”



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“I WANT TO KEEP THIS LAND THE WAY DAD HAD DREAMED OF AND THEN I DREAMED OF,” SAYS BECK.



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PARTNERS IN BOREAL FOREST PROTECTION

In spring 2018, the protection of Alberta's boreal habitat took a momentous step forward with the establishment of 3.36 million acres of new protected lands. With this addition to existing federal and provincial parks, Alberta now has the largest contiguous protected boreal forest area in the world. Among its many benefits, this vast protected area ensures protection of countless boreal wetlands that provide habitat for migratory waterfowl and other wildlife.

Partner agencies in Alberta NAWMP, especially the Nature Conservancy of Canada (NCC) and Alberta Environment and Parks (AEP), were part of the major collaborative efforts involved in creating these new protected lands, which consist of five new or expanded wildland provincial parks (WPPs).

NCC was the facilitator in a partnership that resulted in one of the new parks. "The partnership was between the Tallcree Tribal Government, NCC, the governments of Alberta and Canada, and Syncrude Canada," explains Carys Richards, communication coordinator with NCC.

"NCC purchased the A9 timber quota in the area that is now called the Birch River Wildland Provincial Park. We purchased the quota from the Tallcree using funds mostly from Syncrude. We transferred the quota to the Government of Alberta, and they cancelled the quota and turned the area into a protected space." Some other funds for the project were provided by the Natural Areas Conservation Program, a unique partnership between NCC and Environment and Climate Change Canada, another Alberta NAWMP partner.

"NCC is proud to have been part of this historic expansion of Alberta's boreal protected areas," she says. "We hope the success here inspires people across Canada and the world to see what you can achieve when organizations partner together with the goal of conservation."

The other four parks include the new Dillon River WPP and expansions of the Kazan, Richardson and Birch Mountains WPPs. With the five parks plus Wood Buffalo National Park and the other existing parks, Alberta now has 16.5 million acres of boreal protected areas.

The new protected areas had their beginnings from 2010 to 2012 in the work of an advisory council with representatives from municipalities, industry, First Nations, and environmental non-governmental organizations. This council provided input into the development of the Lower Athabasca Regional Plan, including recommendations for expanding the region's protected lands.

After the regional plan was completed in 2012, AEP worked on putting the pieces in place so the recommended parks could be created. "Such a big change took a lot of years and the support of the First Nation communities, various industries and the environmental non-governmental organizations to make it all work," explains Travis Ripley, executive director of AEP's Fish and Wildlife Policy Branch and chair of the Alberta NAWMP Board.

"We needed the strength of every stakeholder to make this effort the success it was. ...It highlights what can be accomplished at a very large scale with a collaborative attitude."

The new boreal protected areas are exciting for Alberta NAWMP, which has recently been broadening its scope of interest beyond Alberta's Prairie and Parkland regions to also encompass Alberta's Boreal Forest Region. Ripley says, "The bordering of these new wildland provincial parks around the Peace-Athabasca Delta is a great addition to support the numerous species of waterfowl and waterbirds which rest, feed and breed in the area, one of the most important places in North America for waterbirds. In addition, the WPP designation allows for the continuing heritage of hunting and fishing in these parks."

**MAJOR COLLABORATIVE EFFORTS
HAVE ADDED 3.36 MILLION
ACRES TO ALBERTA'S PROTECTED
BOREAL LANDS.**

"The boreal protected areas are hugely beneficial to the Alberta NAWMP Partnership because of the large number of wetlands they include," says Richards. "Billions of birds need Canada's Boreal Forest as a critical breeding ground, including waterfowl, shorebirds, songbirds and raptors." As well, she notes that the Canada's Boreal Forest Region performs other ecosystem services such as being a significant source of fresh water and a major carbon sink.

By coupling a multi-stakeholder approach with a strong understanding of the immense value of boreal landscapes, Alberta has set a powerful example for the way forward on boreal conservation.



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THE WETLAND EDUCATION NETWORK: FORWARD, TOGETHER

If you're keen on making your wetland education efforts more effective and efficient – and getting the boost in inspiration and energy that comes from working together – then joining the Wetland Education Network (WEN) could be for you.

“Education and outreach is a valuable tool to increase knowledge around the benefits wetlands provide and to engage stakeholders in wetland stewardship practices,” says Christina Pickles, the WEN coordinator. “There are many programs in Alberta providing wetland education for different audiences from grade 5 students to municipal leaders to landowners. The Wetland Education Network offers a real opportunity for collaboration between different groups, to pool ideas, skills and funds to create educational resources and tools, and to disseminate common messages to the different audiences.”

Alberta NAWMP is acting as a facilitator, funder and capacity builder to help get the WEN off to a good start. The idea for the network emerged at an Alberta NAWMP workshop in 2015 during discussions among people involved in wetland stewardship. Then, Alberta NAWMP sponsored the activities of a multi-agency working group to flesh out the idea. The working group's proposal for setting up the network was accepted at an Alberta NAWMP wetland forum in 2016. After a successful pilot, the network was launched in 2017, and Pickles was hired as the coordinator.

Pickles explains that the WEN has three components. One is the Action Groups representing four sectors: industry; agriculture; municipalities; and education/public. Each group discusses wetland education issues in its sector, and works on tools and delivery mechanisms to reach their target audiences more effectively. The Action Groups are already underway.

The second component is the network. Pickles says, “Beyond the Action Groups, many other organizations and individuals are involved in wetland education in Alberta. To engage this wider network, the WEN hosts an annual workshop in February/March and releases an occasional e-newsletter to share resources and other opportunities.” The March 2018 workshop had more than 50 participants. They learned about best practices for advancing wetland education in Alberta using a network approach and had the opportunity to meet others interested in advancing wetland education.

The third component is an online hub, which is being developed as a place to learn about the WEN and to find wetland education and outreach resources.

Taking part in the WEN can be very rewarding. Jocelyn Thrasher-Haug, manager of environmental planning with Strathcona County, is a member of the Municipal Action Group. She says, “My experiences with the Wetland Education Network have always been positive, whether it's the workshops where ideas and programs are formally exchanged and a wider audience is involved, or the [Action Group] meetings which are often support-group sessions as we share progress and setbacks.”

Another member of the Municipal Action Group is Marissa Koop, an environmental planner with B&A Planning Group. “The Wetland Education Network has allowed me to meet some very interesting people from a network of professionals outside of my own,” she says. “We each have unique experiences that allow us to learn from each other, leading to greater understanding of issues as a whole.”

**“WITH THE WEN, YOU'RE
CONNECTING WITH OTHERS SO
WE CAN ADVANCE WETLAND
EDUCATION TOGETHER,”
SAYS PICKLES.**

For Koop, the value of the WEN is in the people who are connected within it. “For example, I don't do a lot of work with watershed planning or watershed stewardship. But, through the network, I have met people who do. So, if I have a question, or if there is a project that we can potentially partner on, I now know who to call.”

For Thrasher-Haug, the WEN's value comes from “learning from others, their successes and challenges, across diverse organizations, and leaning on others from diverse organizations. I often leave the meetings energized just in the knowledge that others are trying their best, but also energized by new ideas to integrate into my organization.”

Pickles says, “With the WEN, you're not out there doing it on your own. You're connecting with others so we can advance wetland education together.”



DUC



DUC



DUC

EVALUATING ALBERTA NAWMP'S ROLE IN THE VERMILION PLAN

Alberta NAWMP played a pivotal part in the Vermilion River Watershed Management Project (VRWMP), helping this pioneering sub-basin planning effort to get up and running, and in particular, ensuring that wetlands were an essential part of the plan. That's one of the findings from an evaluation of Alberta NAWMP's role in the VRWMP.

The Vermilion River watershed is one of 12 sub-basins in the North Saskatchewan River basin. In 2007, when the project started, the communities in the watershed were dealing with such challenges as flooding and drought in a landscape highly altered by wetland drainage and land clearing over the past century. The VRWMP brought together representatives from the North Saskatchewan Watershed Alliance (NSWA), federal, provincial and municipal governments, other non-government organizations, and Alberta NAWMP. Together they conducted an extensive planning and engagement process. The result was the 2012 release of the Vermilion River Watershed Management Plan, which is currently being implemented.

"Back in 2007, the Alberta NAWMP Board was interested in the idea of integrating wetlands into watershed planning to create new opportunities for wetland restoration and protection. They viewed sub-basins as the scale at which watershed objectives could become tangible, where implementation could be practical, and where local support and leadership could result. But it was a new idea. So the Board said, 'Yes, we should be involved, but we should evaluate our involvement,'" explains Michael Barr, who was the Alberta NAWMP coordinator at the time.

He says, "Coincidentally, the NSWA was interested in piloting the sub-basin planning process, but they didn't have the resources to do it. Alberta NAWMP funds enabled both the NSWA and Alberta NAWMP to explore this idea, allowing the NSWA to assign technical and watershed planning expertise needed to make the VRWMP a success." And Barr invested considerable effort as Alberta NAWMP's representative on the VRWMP's planning and executive committees.

In spring 2018, Alberta NAWMP asked Christopher Cameron with Objective Research and Evaluation Inc. to evaluate if, how and why Alberta NAWMP's investment in the VRWMP made a significant and positive impact. Several key stakeholders in the VRWMP participated in the interview-based evaluation.

The evaluation participants all agreed that supporting the VRWMP helped Alberta NAWMP achieve its wetland conservation goals. "My persistent highlighting of wetland effects on surface and ground water ensured that wetlands were central to our discussions and central to solutions in the plan," says Barr.

The participants also believed Alberta NAWMP's aims were aligned with the VRWMP's aims. Cameron notes, "This congruence enabled the VRWMP stakeholders to engage in high-quality discussions that facilitated the development of a strong watershed plan."

The participants described Alberta NAWMP's approach as collaborative, non-directive, and oriented toward group capacity building.

They all thought Alberta NAWMP made significant contributions to the VRWMP, especially through its funding support and Barr's involvement.

"All participants said the presence of the Alberta NAWMP coordinator was a tremendous value. His calm, collaborative manner and balanced approach was ideal for facilitating discussions since watershed planning can be contentious," explains Cameron.

He adds, "I think Alberta NAWMP's participation was a win-win for everybody. Alberta NAWMP, all the VRWMP stakeholders and the local community all benefitted."

Since 2012, the strength of the VRWMP plan has enabled the stakeholders to access over \$1.5 million in provincial and federal grants for wetland restoration and retention in the watershed.

Mara Erickson was hired by the NSWA to manage on-the-ground activities conducted under the grants. She says, "Wetland restoration and conservation is definitely an important part of what I do, particularly because we received grants specifically related to that. Another big part of what we do is working with the local community to increase their knowledge about the importance of wetlands and riparian areas."

The current Alberta NAWMP coordinator, Terra Simieritsch, says, "The evaluation shows how an alignment of goals among stakeholders and a respectful, forward-thinking, collaborative approach allowed wetlands to be integrated into a watershed planning process in a meaningful way."

**ALBERTA NAWMP'S APPROACH
WAS COLLABORATIVE,
RESPECTFUL, AND
FORWARD-THINKING.**

DUCK PREDATION IN THE CHANGING BOREAL LANDSCAPE

An innovative research project aims to deepen our understanding of the relationship between industrial development and duck nest predation in Alberta's boreal region, helping to ensure that conservation activities in this region are effective. Along the way, the project is also revealing some cool new information about boreal duck predators.

"Only limited research has been done on boreal ducks. Given the fast pace of industrial development in the boreal region, the Prairie Habitat Joint Venture (PHJV) boreal conservation programs have largely been developed based on assumptions that represent a mix of expert opinion and data from other biomes," explains Dr. Stuart Slattery, a research scientist with Ducks Unlimited Canada (DUC) who is leading this project.

"One assumption is that duck nest survival decreases with increasing density of linear features such as roads, pipelines and seismic lines. We think this habitat fragmentation enables predators to have greater access to duck nesting habitat, reducing hen survival and nest success. We want to test this assumption."

And that's what this project is all about. It seeks to answer some key questions: How does nest site selection influence nest survival in the boreal? What predators are responsible for nest mortality? As linear disturbances increase, do predator communities shift to include more duck predators, and does nest survival decrease?

Slattery says, "Answering these questions will strengthen the biological foundation of the PHJV's boreal programs."

The project is a collaborative effort between DUC and the University of Waterloo. PhD student Matthew Dyson is carrying out the work under the guidance of associate professor Bradley Fedy and Slattery. The project started with a pilot field season in 2016, followed by two full field seasons in 2017 and 2018. Dyson will be analysing the field data, developing a model to simulate predator movements in different boreal landscapes, and writing up the results over the next year or so.

The study area is north-northwest of Slave Lake, Alberta, around the Utikuma Lake region. The fieldwork involves a novel combination of searching for natural nests, installing artificial nests, and using cameras.

"We have identified sampling areas ranging from low to high disturbance. We do nest searching around wetlands in those areas, identify the nests and keep track of their success throughout the summer," says Slattery.

"However, finding duck nests in the boreal forest is very hard and it's extremely difficult to get large sample sizes. So we are also using artificial nests to get a relative index of how nest success might change with the density of linear disturbances."

Cameras installed near natural and artificial nests are providing vivid evidence about which predators are actually eating duck nests. Cameras in travel locations, accompanied by a commercial scent lure and a hair snag to obtain DNA information, are gathering information to help in determining how the community of nest predators shifts as the level of industrial development increases.

"This project is very novel work. The amount of effort that has gone into nest searching here has never before been put forth in this part of the boreal forest," Slattery emphasizes.

"BASIC INFORMATION ABOUT WHO EATS DUCK NESTS IS COMPLETELY NEW FOR THIS AREA," SAYS SLATTERY.

"As well, basic information about who eats duck nests is completely new for this area – compared to the prairies, we are decades behind in terms of our understanding of waterfowl ecology in the boreal region. In the past, we've guessed about who is likely to eat boreal nests. Now, we've found that some of our guesses were not quite right. For instance, [the photos showed] ravens, bears and lynx ate ducks or their eggs. We thought some of those species would be preying on nests, but their importance was really surprising." Examples of other nest predators caught on camera include weasels, pine martens, squirrels and coyotes.

Funding for this project is from the Alberta Conservation Association - Biodiversity Grants, Alberta NAWMP, Ankney Award, DUC, DUC MBNA Fellowship, MITACS Canada, Ontario Graduate Scholarship - Queen Elizabeth II, University of Waterloo, Wildlife Habitat Canada, and the Waterfowl Research Foundation.



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COMMITTEE REPORTS, 2017-18

BOARD OF DIRECTORS

Members are director-level executives from each partner agency. They are responsible for: defining Alberta NAWMP's vision, mission, goals and strategies; directing medium-term implementation plans; approving annual work plans and budgets; and ensuring accountability for work plans and budgets. They also facilitate information exchange and engagement opportunities between their own agency and Alberta NAWMP.

The Board of Directors met in November 2017 and March 2018. At the November meeting, they had a presentation from Hugh Hunt with the Prairie Habitat Joint Venture (PHJV) on the linkages between Alberta NAWMP and the PHJV. They also reviewed progress on the Work Plan and Budget for FY18 (fiscal year 2017-18) and started planning for the Executive Breakfast Meeting to be held in early FY19. A call in February continued the Breakfast Meeting planning. The March meeting focused on amending the Alberta NAWMP Terms of Reference, review of the FY18 projects, and review and approval of the FY19 Work Plan and Budget.

Ron Maher (with Ducks Unlimited Canada (DUC)) formally joined the Board in fall 2017.

MANAGEMENT COMMITTEE

Members are senior managers from each partner agency who facilitate integration of operational opportunities between their own agency and Alberta NAWMP. This Committee shares responsibility with the Alberta NAWMP coordinator for project-based decision-making and expenditures established in annual work plans and medium-term implementation plans.

The Management Committee met twice in 2017-18 and held one conference call. At the December meeting, the members received a report on projects and funding

allocations thus far and initiated a new process for allocating funding to science projects. During the January call, they reviewed and approved a more detailed plan on how to receive and decide on funding for science projects, and approved creation of a new website for Alberta NAWMP. At the March meeting, they reviewed FY18 projects and expenditures, received a presentation on the evaluation of Alberta NAWMP's role in a watershed plan (see *Evaluating Alberta NAWMP's Role in the Vermilion Plan* in this *Progress Review*), and reviewed and approved the FY19 Work Plan and Budget. The Committee also created new systems for better project management, including moving the annual forum to a fall timeslot.

COMMUNICATIONS COMMITTEE

The Communications Committee leads information sharing, event hosting and promotion among Alberta NAWMP partner agencies and beyond. Members are typically communication experts from each partner agency.

The Communications Committee had four meetings and a video conference call during 2017-18. Most meetings centred on the Committee's largest project, the Wetland Education Network (WEN, see *The Wetland Education Network: Forward, Together*), including getting the network running after the pilot in 2016-17, hiring a coordinator, and discussing processes and Terms of Reference. The Committee members worked with the new coordinator to plan and conduct a WEN workshop on March 1, 2018. In its February meeting, the Committee reviewed its FY18 activities and planned for FY19.

Raina Mithrush (with DUC Boreal) joined the Communications Committee in fall 2017.

POLICY COMMITTEE

The Policy Committee members monitor relevant policy, planning and program developments in their agencies and advise on opportunities for Alberta NAWMP support. Members are usually senior policy specialists within the partner agencies.

The Policy Committee met five times in FY18. At the June and September meetings, the members received presentations on key projects initiated in FY17, and they continued or initiated projects identified in the FY18 Work Plan and Budget. In November, they received a presentation from and networked with the PHJV's Hugh Hunt, and discussed a path forward for recognition of the role of wetlands in the carbon cycle. At the January meeting, the members received presentations on DUC Boreal wetland management projects and research, and a presentation about ongoing wetland policy research projects. At the March meeting, they reviewed their progress in FY18 and planned for FY19. FY18 projects included: continued support for the Alberta Wetland Rapid Evaluation Tool (desktop version), and the evaluation of Alberta NAWMP's role in the Vermilion plan.

Mathieu Lebel, Anish Neupane and Danica Staudt (all with Alberta Environment and Parks (AEP)), Alain Richard (with DUC Boreal), and Barry White (with Alberta Agriculture and Forestry) joined the Policy Committee in 2017-18. Ken Calbick (with AEP) formally became the Committee's chair in fall 2017.



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CONTRIBUTIONS TO NAWMP IN ALBERTA, 2017-18 AND 1986-2018			
AGENCY TYPE	AGENCY	2017-18 ^a TOTAL	1986-2018 ^a CUM. TOTAL
CANADIAN CORPORATIONS		\$163,082	\$20,591,826
CANADIAN EDUCATION INSTITUTIONS			\$300,279
CANADIAN FEDERAL GOVERNMENT	Agriculture and Agri-Food Canada		\$38,532,523
	Canadian federal - unspecified		\$484
	Environment and Climate Change Canada - Canadian Wildlife Service	\$1,006,262	\$40,120,711
	Environment and Climate Change Canada - EcoAction	\$25,000	\$33,276
	Environment and Climate Change Canada - Habitat Stewardship Program		\$3,655,828
	Environment and Climate Change Canada - Natural Areas Conservation Program	\$15,357	\$28,545,008
	Fisheries and Oceans Canada		\$3,000
	Human Resources and Skills Development Canada		\$18,761
	Millennium Bureau of Canada		\$1,120,100
	Natural Sciences and Engineering Research Council of Canada		\$194,736
	Parks Canada		\$54,660
	Public Works and Government Services Canada		\$500
		\$1,046,619	\$112,279,587
CANADIAN NOT FOR PROFIT	Agriculture and Food Council of Alberta		\$275,000
	Alberta Beef Producers		\$954,531
	Alberta Conservation Association		\$4,322,963
	Alberta Conservation Tillage Society		\$125
	Alberta Ecotrust Foundation		\$22,542
	Alberta Environmental Farm Plan Company		\$240
	Alberta Fish and Game Association		\$1,506,348
	Alberta Native Plant Council		\$600
	Alberta Research Council		\$5,000
	Alberta Sport, Recreation, Parks & Wildlife Foundation	\$385,000	\$517,264
	Antelope Creek Habitat Development		\$5,000
	Canada Trust Friends of the Environment Foundation		\$5,500
	Canadian Circumpolar Institute		\$3,500
	Canadian Nature Federation		\$1,800
	Canadian non-government organizations - unspecified		\$180,264
	Climate Change Central		\$5,000
	Cropmasters		\$46,300
	Ducks Unlimited Canada		\$3,375,226
	Eastern Irrigation District		\$75,085
	Edmonton Community Foundation		\$28,013
	Edmonton Springer Spaniel Club		\$200
	George Cedric Metcalf Foundation		\$50,000
	Imperial Oil Charitable Foundation		\$5,818
	Institute for Wetland and Waterfowl Research		\$5,500
	Izaak Walton Killam Memorial Scholarship		\$2,000
	James L. Baillie Memorial Fund		\$2,000
	Lakeland Industry & Community Association		\$14,051
	Land Stewardship Centre of Canada		\$18,000
	Nature Alberta		\$15,000
	Nature Canada		\$1,128,000
	Nature Conservancy of Canada	-\$385,255	\$11,663,372
	Peace Parkland Naturalists		\$600
	Pheasants Forever*	\$17,400	\$17,400
	Project Second Life Society		\$6,000
	Richard H. G. Bonnycastle Graduate Fellowship		\$15,000
	Richardson Foundation Inc.		\$372,282
	Rocky Mountain Elk Foundation – Canada		\$4,500
	Samuel Hanen Society for Resource Conservation		\$350
	Shell Conservation Internship Program		\$7,296
	Shell Environmental Fund		\$25,123
	Soil Conservation Council of Canada	\$1,667	\$3,417
	Southern Alberta Land Trust Society		\$613,119

CONTRIBUTIONS TO NAWMP IN ALBERTA, 2017-18 AND 1986-2018			
AGENCY TYPE	AGENCY	2017-18 ^a TOTAL	1986-2018 ^a CUM. TOTAL
CANADIAN NOT FOR PROFIT	Sustainable Forest Management Network		\$20,000
	The Calgary Foundation	\$6,000	\$9,943
	The Flanagan Foundation		\$29,049
	The J.W. McConnell Family Foundation		\$6,999
	The Kahanoff Foundation		\$701
	The W. Garfield Weston Foundation		\$1,534
	United Farmers of Alberta		\$18,447
	Western Irrigation District		\$673,433
	Wildlife Habitat Canada	\$169,725	\$3,792,078
	World Wildlife Fund Canada		\$36,000
		\$194,537	\$29,887,513
CANADIAN PROVINCIAL & TERRITORIAL GOVERNMENTS	Agriculture Financial Services Corporation		\$446,527
	Alberta Agriculture and Forestry		\$10,570,726
	Alberta Culture and Community Spirit		\$8,000
	Alberta Energy and Utilities Board		\$8,300
	Alberta Environment and Parks	\$4,315,395	\$34,780,072
	Alberta Transportation		\$9,246
	Alberta Treasury	\$5,700	\$693,685
	Manitoba Habitat Heritage Corporation		\$45,317
	Saskatchewan Water Security Agency		\$10,000
		\$4,321,095	\$46,571,873
CANADIAN REGIONAL & LOCAL GOVERNMENTS	Big Hay Lake Drainage District		-\$34,639
	Bonnyville (Municipality of)		\$22,653
	Calgary (City of)		\$269,669
	Camrose County		\$14,907
	Carstairs (Town of)		\$96,000
	Edmonton (City of)		\$166,545
	Flagstaff County		\$41,337
	Grande Prairie (City of)		\$7,832
	Grande Prairie County		\$2,022
	Greenview (Municipal District of)		\$6,962
	Lakeland (County of)		\$2,800
	Lamont County		\$30,425
	Manawan Drainage District		\$34,750
	Medicine Hat (City of)		\$8,005
	Minburn County		\$78,080
	Newell County		\$28,750
	Ponoka County		\$2,310
	Red Deer County		\$1,811
	Rocky View County	\$2,045	\$347,611
	Special Areas Board		\$325
	St. Albert (City of)		\$17,820
	St. Paul County		\$19,287
	Stettler County		\$2,780
	Strathcona County		\$87,629
	Strathmore (Town of)		\$198,627
	Sturgeon County		\$68,085
	Sylvan Lake (Town of)		\$30,000
	Wheatland County		\$3,200
		\$2,045	\$1,555, 583
CANADIAN OTHER	Canadian – unspecified	\$2,438,426	\$37,499,415
UNITED STATES – ALL SOURCES	U.S. Fish and Wildlife Service, U.S. state governments, Ducks Unlimited Inc., Anonymous Foundation, other	\$9,290,822	\$284,266,808
INTERNATIONAL	Conservation International Bahamas		\$59,744
GRAND TOTAL		\$17,456,626	\$533,012,628

a. Includes data from Prairie Habitat Joint Venture - Alberta (Source: NAWMP National Tracking System).

* New contributor in 2017-18

ACTIVITY EXPENDITURES AND HABITAT ACCOMPLISHMENTS, 2017-18 AND 1986-2018				
AGENCY	ACTIVITY	EXPENDITURES 2017-18	HABITAT ACRES 2017-18	NET HABITAT ACRES 1986-2018
ALBERTA AGRICULTURE AND FORESTRY (includes Agriculture and Agri-Food Canada, a former Alberta NAWMP partner)	Securement			425,195
ALBERTA ENVIRONMENT AND PARKS	Securement			10,507
DUCKS UNLIMITED CANADA	Communication and education	\$198,344		
	Conservation planning	\$1,611,495		
	Habitat Joint Venture science	\$195,834		
	Habitat restoration	\$5,784,753	43,241	1,071,484
	Habitat retention (≥10 years through permanent)	\$7,521,541	9,275	2,342,615
	Habitat retention (<10 years)	\$480,542		96,602
	Land and water policy support	\$263,683		
	Management (habitat assets)	\$4,149,537		2,561,089
DUC Total Expenditures		\$20,205,729		
ENVIRONMENT AND CLIMATE CHANGE CANADA – CANADIAN WILDLIFE SERVICE	Communication and education	\$5,000		
	Conservation planning	\$7,334		
	Habitat Joint Venture science	\$55,850		
	Land and water policy support	\$8,333		
ECCC Total Expenditures		\$76,517		
NATURE CONSERVANCY OF CANADA	Conservation planning	\$14,836		
	Habitat restoration			73,017
	Habitat retention (≥10 years through permanent)	\$17,651		51,558
	Habitat retention (<10 years)	-\$36		
	Management (habitat assets)	\$329,559	45,458	1,445,698
NCC Total Expenditures		\$362,010		
OTHER AGENCIES	Communication and education, Habitat restoration, Habitat Joint Venture science	\$169,725	124	4,141
TOTAL EXPENDITURES, 2017-18		\$20,813,981		
TOTAL HABITAT RETENTION ACRES (≥10 YEARS THROUGH PERMANENT), 2017-18 AND 1986-2018			9,275	2,829,875

Notes

This table shows expenditures and habitat activities for the Alberta Prairie and Parkland eco-regions (Source: NAWMP National Tracking System). Variable timing of funds both contributed and received under NAWMP may result in differences between total funds received versus expended by partners each fiscal year. Related habitat retention or restoration acres are similarly affected.

Activities:

- Communication and education: communications specific to activities in approved proposals under the North American Wetlands Conservation Act (NAWCA). NOTE: all other communication activities are not eligible for NAWCA funds.
- Conservation planning: biological, agrological and engineering planning and targeting activities that occur prior to actual program delivery.
- Habitat restoration: actions to increase carrying capacity for wetland-associated migratory birds and other wildlife.
- Habitat Joint Venture science: activities that evaluate the effects and inform future improvement of the NAWCA program throughout the Prairie Habitat Joint Venture.

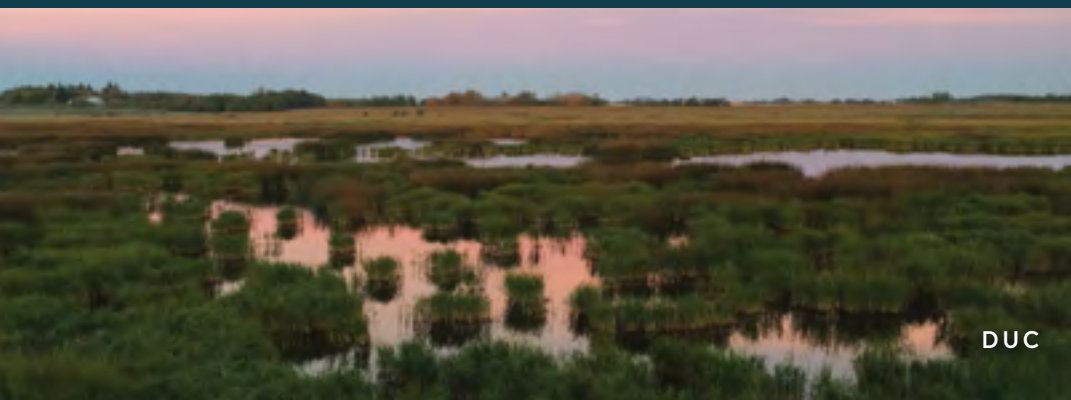
- Management (habitat assets): actions to maintain carrying capacity for wetland-associated migratory birds and other wildlife on habitat retained for ≥10 years through permanent.
- Land and water policy support: activities that identify or support development of policies benefiting wetlands or associated uplands. NOTE: these activities are not eligible for NAWCA funds.
- Habitat retention (≥10 years through permanent): protection of wetland and/or upland habitat through land title transfer or binding long-term conservation agreements with landowners.
- Habitat retention (<10 years): activities that promote or directly result in the sustainable use of land for the purpose of conserving wetland-dependent birds and their habitats.

Habitat Acres:

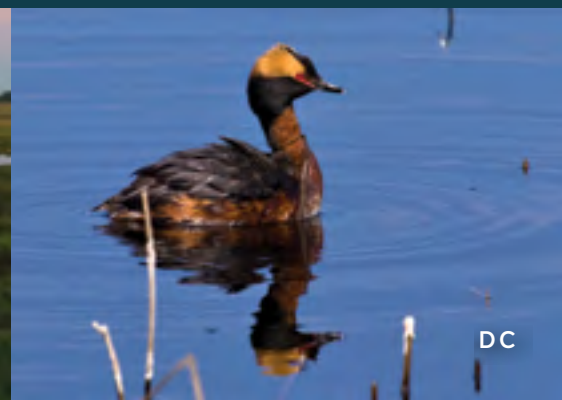
- Habitat Acres, 2017-18: habitat acres retained, restored or managed between April 1, 2017 and March 31, 2018. NOTE: total acres are not cumulative.
- Net Habitat Acres, 1986-2018: cumulative total of habitat acres since 1986, less expired agreements.

COOPERATORS

101105170 Saskatchewan Ltd.	AltaGas Services Inc.	Bonavista Energy Trust Ltd.
1187397 Alberta Ltd.	Amar Developments Ltd.	Bonavista Petroleum Ltd.
Access Land Services Ltd.	Anadarko Canada Corporation	Bonnyville (Municipality of)
Access Pipeline Inc.	Anderson Exploration Ltd.	Bow River Irrigation District
Acquired Land Management Inc.	Anonymous Foundation	Bowest Consulting Ltd.
Action Energy Inc.	Antelope Creek Habitat Development	Bowood Energy Corp.
Action Land Consultants (2001) Ltd.	Antelope Land Services Ltd.	Boyd Petro Search
Advance Land Services	Apache Canada Ltd.	Brigus Resources Ltd.
Advantage Oil & Gas Ltd.	ARC Resources Ltd.	British Petroleum Canada
Agricore United	Arctos Land Corporation	Britt Resources Ltd.
Agriculture and Agri-Food Canada	Argent Energy Inc.	Buffalo Resources Corp.
Agriculture and Agri-Food Canada - Prairie Farm Rehabilitation Administration	Arizona (State of)	Burlington Resources Inc.
Agriculture and Food Council of Alberta	Armett & Burgess Oilfield Construction Ltd.	Byrne's Agri Service Ltd.
Agriculture Financial Services Corporation	Artek Exploration Ltd.	Cabre Exploration Ltd.
Aguila Exploration Consultants Ltd.	Artemis Energy	Cabrerra Resources Limited
Ainsworth Lumber Company Ltd.	Artemis Exploration Inc.	Calgary (City of)
Alberta Agriculture and Forestry	Aspen Endeavour Resources Inc.	California Department of Fish and Game
Alberta Association of Municipal Districts and Counties	Assiniboine Watershed Stewardship Association	California (State of)
Alberta Beef Producers	ATB Financial	Cameron Development Corporation
Alberta Community Development	ATCO Electric Ltd.	Camrose County
Alberta Conservation Association	ATCO Gas	Canada Capital Energy Corporation
Alberta Conservation Tillage Society	ATCO Structures & Logistics Ltd.	Canada Malting Co. Ltd.
Alberta Culture and Community Spirit	Atlas Land Consultants Ltd.	Canada private - unspecified
Alberta Ecotrust Foundation	Aurora Land Consulting Ltd.	Canada Trust Friends of the Environment Foundation
Alberta Energy and Utilities Board	Avalanche Energy Limited	Canada West Land Services Ltd.
Alberta Environment and Parks	Avid Oil & Gas Ltd.	Canadian Cattlemen's Association
Alberta Environmental Farm Plan Company	B P Canada Energy Company	Canadian Circumpolar Institute
Alberta Fish and Game Association	Barbeejay Supplies Ltd.	Canadian federal - unspecified
Alberta Land and Lease Limited	BASF Canada Inc.	Canadian Forest Products
Alberta Municipal Affairs	Battle River Credit Union Ltd.	Canadian Landmasters Resource Services Ltd.
Alberta Native Plant Council	Bayer CropScience Canada	Canadian National Railway
Alberta Research Council	Bayer CropScience Inc.	Canadian Natural Resources Ltd.
Alberta Reduced Tillage LINKAGES	Baytex Energy Ltd.	Canadian Nature Federation
Alberta Sport, Recreation, Parks and Wildlife Foundation	Beaver County	Canadian non-government organizations - unspecified
Alberta Transportation	Beaverbrook Development Inc.	Canadian Pacific
Alberta Treasury	Beaverhill Lake Nature Centre	Canadian provincial - unspecified
Alberta-Pacific Forest Industries Inc.	Ben's Trucking and Landscaping	Canadian Superior Energy Inc.
Alliance Pipeline Limited Partnership	Big Country Energy Services LP	Canadian - unspecified
Alonsa Conservation District	Big Hay Lake Drainage District	Canadian Water Resources Association
Alta Canada Energy Corporation	Big Lake Environment Support Society	Canetic Resources Trust
Alta Energy Corporation	Bighorn Land & Field Service Ltd.	Cannat Resources Inc.
	Birchcliff Energy Ltd.	



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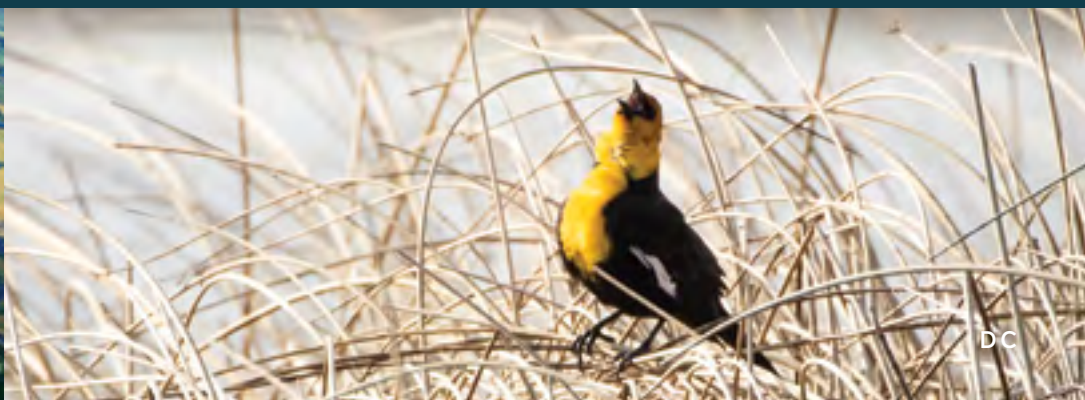
Capitol Energy Resources Ltd.
 Cargill Inc.
 Caribou Land Services
 Carlton 142 Inc.
 Carriage Lane Estates Inc.
 Carstairs (Town of)
 Cavalier Land Ltd.
 Celtic Exploration Ltd.
 Cenovus Energy Inc.
 Central Alberta Rural
 Electrification Association
 Central Global Resources, ULC
 Centrica Canada Limited
 Challenger Development Corporation
 Chamaelo Energy
 Choice Resources Corp.
 Circle E Grazing Association
 Clear Environmental Solutions Inc.
 Climate Change Central
 Coal Valley Resources Inc.
 Coastal Resources Ltd.
 Cochin Pipe Lines Ltd.
 Colonsay No. 342 (Rural Municipality of)
 Colorado (State of)
 Commonwealth Construction
 Company Ltd.
 Compara Energy Services Inc.
 Complete Exploration Services Ltd.
 Complete Land Services Ltd.
 Compton Petroleum Corporation
 Conoco Phillips Canada
 Conservation International Bahamas
 Cordero Energy Inc.
 Cornerstone Agri-Environmental
 Group Plan
 Cossack Land Services Ltd.
 Cowie Cattle Company Ltd.
 Crescent Point Resources
 Limited Partnership
 Crew Energy Inc.
 Crispin Energy Inc.
 Cropmasters
 CrossAlta Gas Storage & Services Ltd.
 Crystal Landing Corporation

Culane Energy Corporation
 Cygnet Lake Drainage District
 D.J. Old Ltd.
 Data Trek Exploration (1986) Ltd.
 Davis LLP
 Daylight Energy Ltd.
 Decker Petroleum Ltd.
 Delphi Energy Corp.
 Delta Waterfowl Foundation
 Desmarais Energy Corporation
 Devon Canada Corporation
 Dirham Construction Ltd.
 Dominion Energy Canada Ltd.
 Dow AgroSciences
 Dox Investments Inc.
 Ducks Unlimited Canada
 Ducks Unlimited Inc.
 E-Bay Oilfield Contracting Inc.
 Eastern Irrigation District
 Echoex Ltd.
 Edmonton (City of)
 Edmonton Community Foundation
 Edmonton Springer Spaniel Club
 Edwards Land (Calgary) Ltd.
 Elfros No. 307 (Rural Municipality of)
 Emerald No. 277 (Rural Municipality of)
 Enbridge Inc.
 Enbridge Pipelines Inc.
 EnCana Corporation
 ENDEV Resources Partnership
 EnerMark Inc.
 Enterra Energy Corp.
 Environment and Climate Change Canada - Canadian
 Wildlife Service
 Environment and Climate Change Canada - EcoAction
 Environment and Climate Change Canada - Habitat
 Stewardship Program
 Environment and Climate Change Canada - Natural
 Areas Conservation Program
 Environmental Law Centre
 EOG Resources, Inc.
 Equatorial Energy Inc.
 Esprit Exploration Ltd.
 Evolve Surface Strategies Inc.

Exalta Energy Inc.
 ExxonMobil Canada Energy
 Fairmount Energy Inc.
 Federation of Saskatchewan Indian Nations
 Feed-Rite Ltd.
 First National Properties Group
 Fisheries and Oceans Canada
 Flagstaff County
 Fletcher Challenge Canada Ltd.
 Flexi-Coil
 Foothills Pipe Lines Ltd.
 Forest Products Association of Canada
 Fortis Alberta Inc.
 FRC Alberta Properties, Inc.
 Friends of the Nature Conservancy
 of Canada
 Galfour Development Corporation
 Galleon Energy Inc.
 Genstar Development Partnership
 Gentry Resources Ltd.
 Geoid Exploration Ltd.
 George Cedric Metcalf Foundation
 GeoTir Inc.
 Grand Petroleum Inc.
 Grande Prairie (City of)
 Grande Prairie County
 Grandir Resources Ltd.
 Gray Diamond Construction
 Green Drop Ltd.
 Green-Con Lands Ltd.
 Greenview (Municipal District of)
 Habitat Conservation Trust Fund
 Habitat For Humanity
 Harbinger Exploration Inc.
 Harvest Energy
 Hasco Development Corporation
 Heritage Surface Solutions Ltd.
 HMA Land Services Ltd.
 Hopewell Development Corporation
 Horizon Land Services Ltd.
 Horseshoe Land Ltd.
 Hughes Oilfield Construction Ltd.
 Human Resources and Skills
 Development Canada

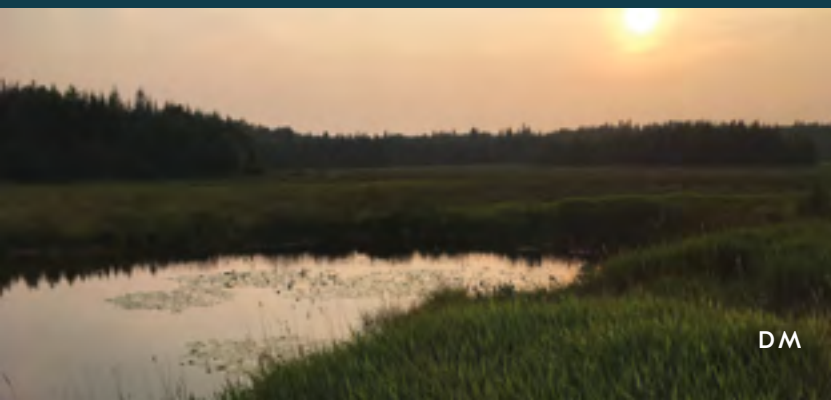


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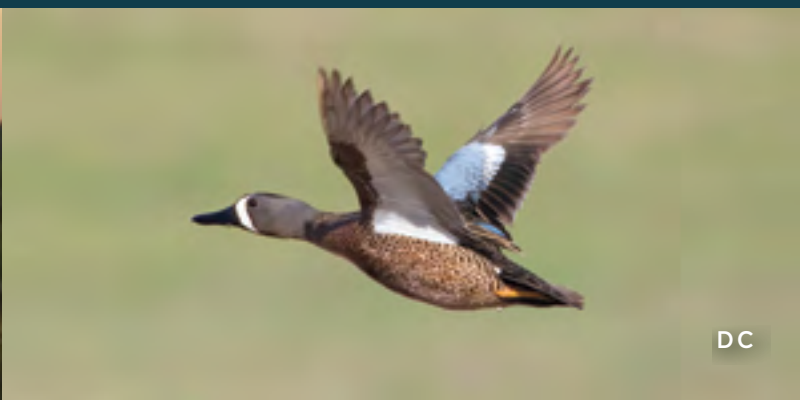


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Husky Group of Companies	Landquest Services Ltd.	Monsanto Canada
Husky Oil Operations Ltd.	Landwest Resource Services Ltd.	Montana (State of)
Impact 2000 Inc.	Lane Land Services Ltd.	Montane Resources Ltd.
Imperial Oil Charitable Foundation	Little Saskatchewan River Conservation District	Moose Mountain Buffalo Ranch
Imperial Oil Resources Ltd.	Lockhorn Exploration Ltd.	Mor-West Ventures Inc.
Indian and Northern Affairs Canada	Logistex Land Services Ltd.	Mountain Equipment Co-op
Inglewood Bird Sanctuary	Longstaff Land Surveying Ltd.	MSL Land Services Ltd.
Inland Cement Ltd.	Loose Foot Computing Limited	Murphy Oil Company, Ltd.
Institute for Wetland and Waterfowl Research	Lower Souris River Watershed Committee Inc.	NAL Oil & Gas Trust
Integrated Geophysical Consultants Ltd.	Lucas Bowker & White	NAL Resources Limited
Integrity Land Inc.	Luscar Ltd.	National Fish and Wildlife Foundation
Inter Pipeline Fund	LXL Consulting Ltd.	Native Plant Society of Saskatchewan
Interlake Grasslands Society	Majestic Land Services Ltd.	Natural Sciences and Engineering Research Council of Canada
International Association of Fish & Wildlife Agencies	Mamba Production Partnership	Nature Alberta
Invermay (Rural Municipality of)	Manawan Drainage District	Nature Canada
IPSCO Inc.	Mancal Corporation	Nature Conservancy of Canada
Irene W. and C.B. Pennington Foundation	Manitoba Agriculture, Food and Rural Initiatives	Nature Saskatchewan
Izaak Walton Killam Memorial Scholarship	Manitoba Conservation	Navigo Energy Partnership
Jacqui Shumiatcher S.O.M., LL.D.	Manitoba Finance	Newell County
Jaffer Real Estate Limited Partnership III Inc.	Manitoba Forage Council	Newport Petroleum Corporation
James L. Baillie Memorial Fund	Manitoba Habitat Heritage Corporation	Nexen Inc.
James Richardson International	Manitoba Hydro	Nicholson Land Service Ltd.
JED Oil Inc.	Manitoba Transportation and Government Services	Niven & Associates Inc.
Kanover Ltd.	Manitoba Water Stewardship	Norcana Resource Services (1991) Ltd.
Kelkyd Holdings Ltd.	Manitoba Wildlife Federation Habitat Foundation	Nordic Pressure Services Inc.
Kellross No. 247 (Rural Municipality of)	Manitok Exploration Inc.	North West Upgrading Inc.
Keyera Energy Facilities Limited	Maverick Land Consultants Inc.	Northpoint Development L.P.
KeyWest Energy Corporation	Maxi Services Ltd.	Northrock Resources Ltd. (Canada)
Kinder Morgan, Inc.	McNally Land Services Ltd.	NWT Resources, Wildlife and Economic Development
Kinsmen Club of Yorkton	MEC Operating Company	OH Ranch Ltd.
Krang Energy Inc.	Medicine Hat (City of)	Oil-Expo Investments Ltd.
L. Griffin Management Inc.	Meewasin Valley Authority	Olds College
Lac La Biche Feed Mill & Farm Supply Ltd.	Meighen Haddad & Co.	Omera Resources Limited
Lacombe County	Melcor Developments Ltd.	Omers Energy Inc.
Lakeland (County of)	Melfort (City of)	Oregon (State of)
Lakeland Industry & Community Association	MGV Energy Inc.	Outlook Energy Corporation
Lamco Gas Co-op Ltd.	Millennium Bureau of Canada	OutSource Seismic Consultants Inc.
Lamont County	Minburn County	Pan Canadian Petroleum Limited
Lamont Gas Co-op Ltd.	Minco Gas Co-op Ltd.	Pangea Land Ltd.
Land Solutions Inc.	Ministry of Sustainable Resource Management	Paramount Energy Trust
Land Stewardship Centre of Canada		Park Paving Ltd.



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Park Ridge Homes Ltd.
 Parkland Conservation Farm
 Parkland County
 Parks Canada
 Parks Canada - Elk Island National Park
 Partners in Habitat Conservation (EID)
 PB Industries Ltd.
 PCL Construction Management Inc.
 Peace Parkland Native Stewardship Program
 Peace Parkland Naturalists
 Pengrowth Corporation
 Penn West Petroleum Ltd.
 Petro Line Upgrade Services Ltd.
 Petro-Canada
 Petrofund Corporation
 Petroland Services Ltd.
 Petrolane Consulting Ltd.
 PEW Charitable Trusts
 Pheasants Forever
 Pickseed Canada Inc.
 Pioneer Land Services Ltd.
 Pioneer Professional Services Group
 Ponoka County
 Poplar Hill Resources Ltd.
 PotashCorp
 Prairie Land & Investment Services Ltd.
 Prairie Land Consultants Inc.
 Prairie Land Service Ltd.
 Prairie Mines and Royalty Ltd.
 Prairie Plantation Inc.
 Prairie Roadbuilders Limited
 Price Waterhouse Coopers
 Prime Seismic Data
 Prime West Energy Inc.
 Priority Printing
 Progress Energy Ltd.
 Progress Land Services Ltd.
 Progressive Exploration Services
 Project Second Life Society
 Prospect Land Services (Alta) Ltd.
 Prospect Oil and Gas Management Ltd.
 Public Works and Government Services Canada

Qualico Developments
 Ranger Land Services Ltd.
 Ravenswood Developments Inc.
 RBC Royal Bank
 Real Resources Inc.
 Red Deer County
 Remington Development Corporation
 Renton Land Services (1983) Ltd.
 Repsol Oil & Gas Canada Inc.
 Resolution Land Services Ltd.
 Richard H. G. Bonnycastle Graduate Fellowship
 Richardson Foundation Inc.
 Richland Petroleum Corporation
 Rife Resources Ltd.
 Rival Energy Ltd.
 Road Runner Land Group Ltd.
 Rocky Mountain Elk Foundation – Canada
 Rocky Mountain Property, Inc.
 Rocky View County
 Rockyview Energy Partnership
 Rockyview Gas Co-op Ltd.
 Roger Hagen Construction Inc.
 Rosevear Land Services Ltd.
 Roy Northern Land Service Ltd.
 Royal Oaks II Joint Venture
 Sabretooth Energy Ltd.
 Samuel Hanen Society for Resource Conservation
 Saskatchewan Agriculture, Food and Rural Revitalization
 Saskatchewan Conservationist
 Saskatchewan Council for Community Development
 Saskatchewan Crop Insurance Corporation
 Saskatchewan Environment
 Saskatchewan Environmental Protection Fund
 Saskatchewan Finance
 Saskatchewan Fish and Wildlife Development Fund
 Saskatchewan Government Relations and Rural Affairs
 Saskatchewan Minerals
 Saskatchewan Stock Growers Association
 Saskatchewan Water Security Agency
 Saskatchewan Wetland Conservation Corporation

Saskatchewan Wildlife Federation
 Saskatoon (City of)
 SaskEnergy Incorporated
 SaskPower
 SaskTel
 SBW Cattle Company Ltd.
 Scott Land and Lease Ltd.
 Seamac Land Services Ltd.
 Search Energy Corp.
 SeCan
 Seisland Surveys Ltd.
 Serrano Energy Ltd.
 Shell Canada Products Ltd.
 Shell Conservation Internship Program
 Shell Environmental Fund
 Shepard Limited Partnership
 Shiningbank Energy Income Fund
 Sierra Vista Energy Ltd.
 Signalta Resources Limited
 Silverado Properties Ltd.
 Sims and Company
 Skana Exploration Ltd.
 Skelton and Company Law Office
 Slave Lake Pulp Corporation
 Soil Conservation Council of Canada
 South Peace Wilderness Society
 Southern Alberta Land Trust Society
 Special Areas Board
 Spur Resources Ltd.
 Spy Hill (Regional Municipality of)
 St. Albert (City of)
 St. Mary River Irrigation District
 St. Paul County
 Standard Land Company Inc.
 Star Oil & Gas
 Starboard Gas Ltd.
 Stettler County
 Strategic Land Services Inc.
 Strathcona County
 Strathmore (Town of)
 Sturgeon County
 Suncor Energy Inc.
 Sundance Forest Industries Inc.



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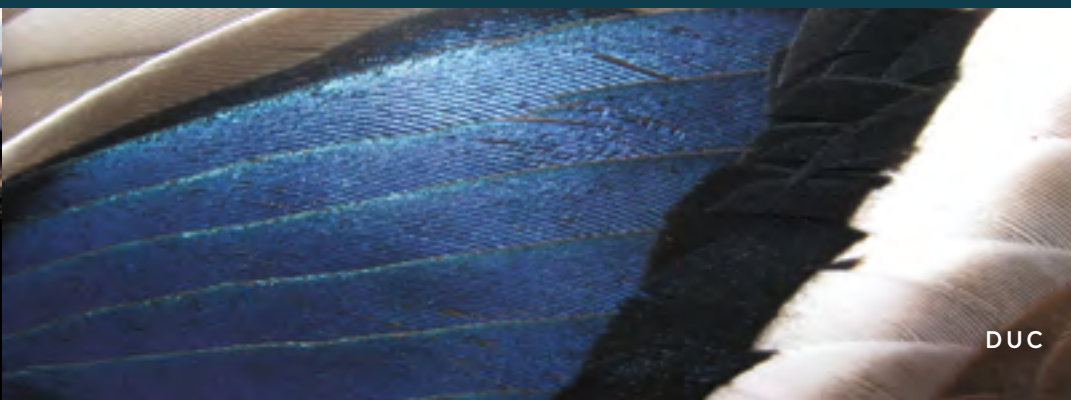
Sundance Land Services Ltd.
 Sunwest Canada Energy Limited
 Sustainable Forest Management Network
 Sylvan Lake (Town of)
 Synergy Land Services Ltd.
 Syngenta Crop Protection Inc.
 Synterra Technologies Ltd.
 Takota Land Ltd.
 Talisman Energy Inc.
 Tappit Resources
 Tasman Exploration Ltd.
 TD Canada Trust
 TD Friends of the Environment Foundation
 Tempest Energy Corporation
 TERA Environmental Consultants
 Terra-Sine Resources Ltd.
 Tervita
 The Calgary Foundation
 The Donner Canadian Foundation
 The Flanagan Foundation
 The J.W. McConnell Family Foundation
 The Kahanoff Foundation
 The Nature Conservancy
 The W. Garfield Weston Foundation
 The Woodcock Foundation
 Thompson & Associates, Inc.
 Thunder Energy Inc.
 TNC Wilson Challenge Fund
 Tofield (Town of)
 Touchdown Land Consultants Ltd.
 Tourism for Tofield Foundation
 Tournament Exploration Ltd.
 TransAlta Corporation
 TransCanada Corporation
 Transfeeder Inc.
 TransGas Limited
 Traverse Landgroup Ltd.
 Trident Exploration Corp.
 Trilogy Energy Corp.
 TriStar Oil & Gas Ltd.
 Triton Energy Corporation
 True Energy Inc.

Tudor Corporation Ltd.
 Tundra Oil and Gas, Limited
 Turtle Mountain Conservation District
 Twin Butte Energy Ltd.
 Two Hills (County of)
 Union Pacific Resources Ltd.
 United Farmers of Alberta
 United Grain Growers
 United States Department of Agriculture – Forest Service
 United States Fish and Wildlife Service
 United States state governments – unspecified
 United States – other
 University of Alberta
 University of Calgary
 University of Lethbridge
 University of Regina
 Univex Land Services
 Upper Assiniboine River Conservation District
 Val Vista Energy Ltd.
 Venturion Natural Resources Limited
 Vermilion Energy Trust
 Vermilion Resources
 Vermilion River (County of)
 Viterra
 Vonda (Town of)
 VSD Developments Corporation
 Vulcan County
 Wainwright (Municipal District of)
 WAM Development Group
 Wave Energy Ltd.
 Wayco Land Services
 Western Feedlots
 Western Irrigation District
 Westfire Energy Ltd.
 Weyerhaeuser
 Wheatland County
 Wheatland Industrial Park Inc.
 Wilburforce Foundation
 Wildlife Habitat Canada
 William H. Donner Foundation
 Winnipeg (City of)

World Wildlife Fund Canada
 Wyoming (State of)
 Yorkton Wildlife Federation
 Yukon Department of Energy, Mines and Resources
 Zahmol Properties Ltd.
 Zapata Energy Corporation
 Zargon Energy Trust
 Zargon Oil & Gas Ltd.

PHOTO CREDITS

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DUC	Ducks Unlimited Canada
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ME	Mara Erickson, North Saskatchewan Watershed Alliance



DUC



DUC

North American
Wetlands
Conservation Act



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



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