

Who We Are

- Recognized leader in wetland conservation
- Science-based, solutions-oriented organization
- Registered charity over 150,000 supporters
- 6,200 volunteers
- Active in every province and territory
 - \$75 M Annual Operating Budget







DUCKS UNLIMITED CANADA

Vision

Abundant wetlands and waterfowl – today, tomorrow, and forever

Mission

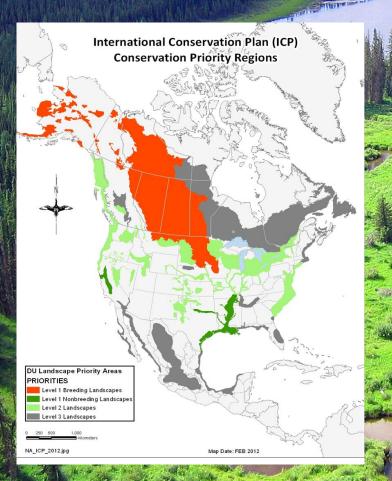
Conserve, Restore and Manage Wetlands and Associated Habitats for North America's waterfowl. These habitats also benefit other wildlife and people







DUCKS UNLIMITED CANADA



Two Main Priority
Conservation Regions:

Canadian Prairies

Boreal Forest







THE BOREAL FOREST

A GLOBAL CONSERVATION
OPPORTUNITY

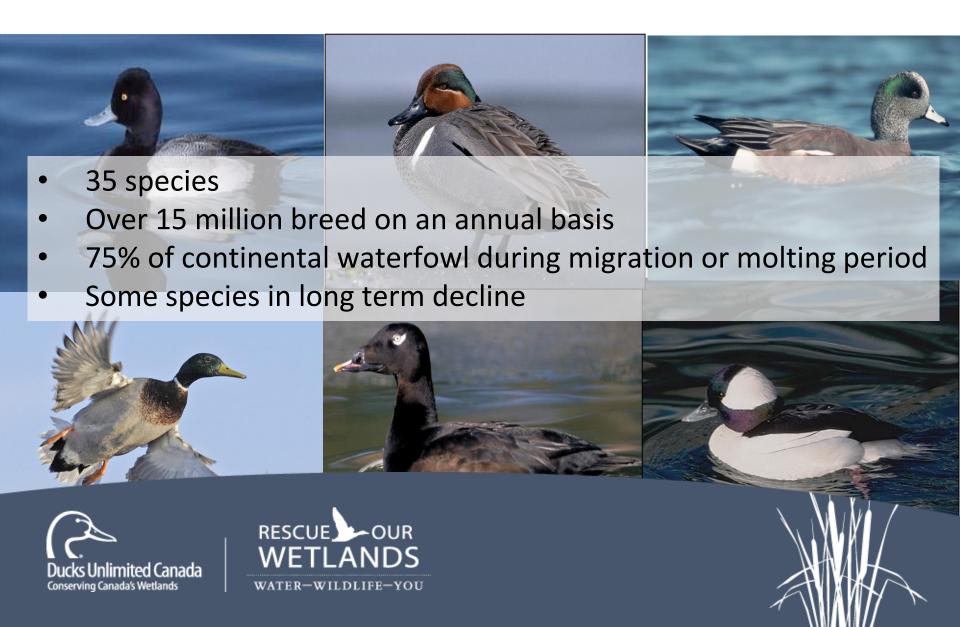




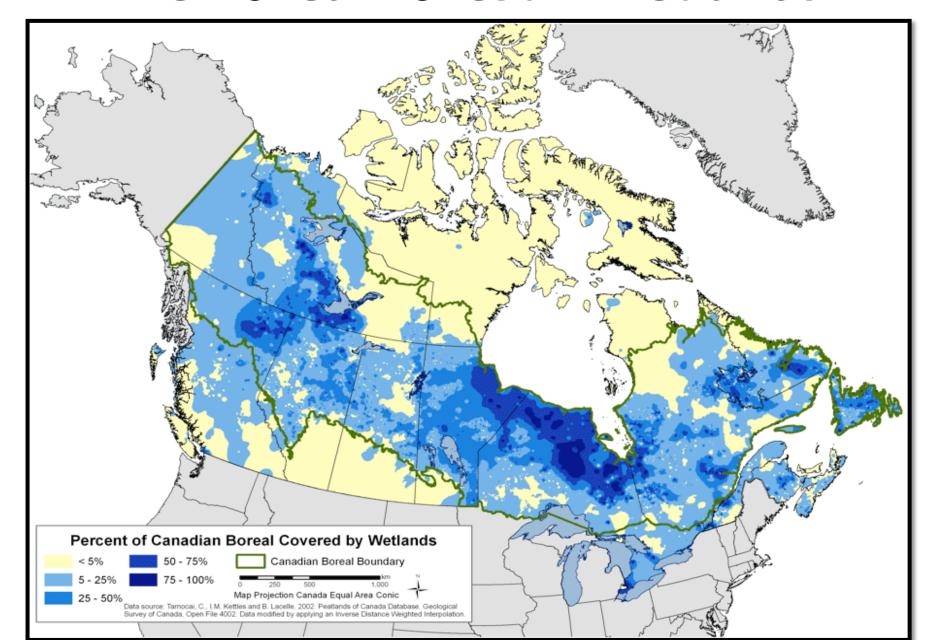




The Boreal Forest – Waterfowl



The Boreal Forest – Wetlands



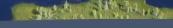
Boreal Wetland Values health and wealth benefits

Ecosystem Services

- Water storage and flood control
- Filters to improve water quality
- Biodiversity values (plants, fish and wildlife)
- Carbon Storage
 - climate change mitigation
- Places to recreate and pursue traditional activities

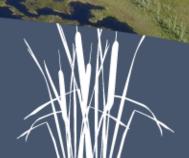
Market Goods

- Timber for various forest products
- Biomass for electrical generation
- Horticulture Peat
- Fish Nursery
- Wild fur









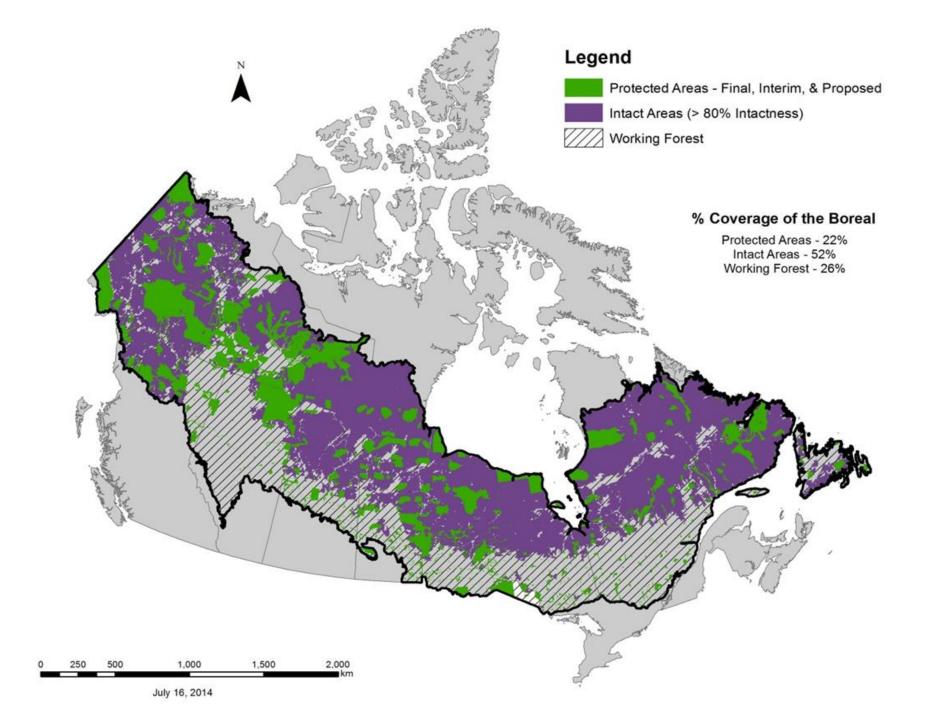
Concerns about Boreal Forest Wetlands

- Limited awareness of boreal wetlands, their extent, function and values
- Increased industrial development wetland loss, potential impact on function, cumulative effects
- Expanding agriculture (conversion of forest cover and wetland drainage)
- Uncertain impacts of climate change









Boreal Forest Program

Initiated in 1997

- public land conservation focus on habitat retention
- partnership driven (industry, government, foundations, First Nations, academia, conservation organizations)
- support a balance of sustainable land management practices that conserve wetlands and the protection of habitat through established protected areas programs







OUR GOAL:

To conserve 1 billion acres in the boreal forest

- 500 million acres protected
- 500 million acres sustainable development

Ducks Unlimited Canada is focused on **660 million acres** of habitat most important to waterfowl





DU Canada Activities

Wetland Mapping

- enhanced wetland classification
- by mid 2015 ~ 85 % of Boreal Plains Ecozone mapped

Waterfowl Distribution Mapping

- Waterfowl surveys
- identification of where ducks are most abundant

Research (collaborative)

- wetland hydrology and modelling
- local and landscape-level effects of forest management on wetland birds relative to natural disturbance
- understanding individual and cumulative effects of disturbance on water birds
- ecological goods and services (e.g. carbon)







DU Canada Activities

Conservation tools development

- wetland groupings that infer water movement
- wetland connectivity tool
- preliminary carbon stores mapping
- mapping wetland vertebrate biodiversity (AB)

Policy Initiatives/Programs

- support policies that conserve wetlands (e.g. AB Wetland Policy)
- engagement in programs that protect wetlands (protected areas programs)







DU Canada Activities

Best Management Practices Program

- dedicated program that focuses on BMPs related to water, wetlands and waterfowl habitat
- objective is to identify/develop recommended BMPs with and for use by industry to minimize impact
- BMP examples: Forest Road Wetland Crossings, Waterfowl Incidental take

Partnership Approach

 collaboration with multiple partners to help develop the various products, share knowledge and influence land use







Now is the Time to Focus on Boreal Wetland Conservation

- Increasing understanding of the value of wetlands, potential impacts of development and the need for conservation
- Increasing recognition by government and industry to conserve wetland biodiversity and ecosystem services (link to social license)
- Policies that help protect Water and Wetlands are emerging across Canada (e.g. AB Wetland Policy)







Development and Sharing of BMPs

- Time to collaborate in developing, sharing, evaluating and distributing BMPs that avoid and minimize impact on wetlands
- Our vision a user friendly system that facilitates the exchange of knowledge and BMPs available for use by industry and government
- It is our hope that this workshop will help facilitate knowledge exchange, sharing of existing BMPs and provide guidance for the development of such a system – an "Information Management and Exchange System"







Closing

- Based on attendance it is obvious there is an interest in wetlands and the need for tools to conserve them
- It is our desire that the next two days will be fun, informative and help move us forward to enhanced boreal wetland conservation.
- Thank you for joining us I look forward to being a part of these important discussions







Thank You

External Advisory Committee

- Margaret Donnelly Alberta Pacific Forest Industries Inc.
- Thorsten Hebben Alberta Environment and Parks
- Doug Kulba Alberta Environment and Parks
- Shanon Leggo ATCO Electric Ltd.
- Margaret Marra Shell Canada Ltd.
- Pat Marriott Alberta Energy Regulator
- Doug Turner Saskatchewan Ministry of Environment

Organizers

- Bev Gingras Event Lead
- Kylie McLeod Planning Lead
- Leanne Mingo Registration Coordinator
- Darrell Kovacz Logistics Coordinator
- Julienne Morissette Evaluation Coordinator
- Mark Kornder: Pecha Kucha Coordinator
- Jules Lebeouf Facilitator





