



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Canada



Environment and Climate Change Canada's / Canadian Wildlife Service – Yukon

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Departmental Mandate

- 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;
- forecast daily weather conditions and warnings, and provide detailed meteorological information to all of Canada;
- enforce rules relating to boundary waters; and
- coordinate environmental policies and programs for the federal government.



Ongoing research and monitoring (CWS)

- Migratory birds
 - Breeding bird surveys in the boreal forest (State of Canada's Birds)
 - Yukon – representative of intact forest landscape (good information along roadways), changing populations (stressors, declines)
- Habitat conservation and assessment
- Species at Risk

Other branches at ECCC – STB ([Northern monitoring map](#)), atmosphere (e.g. Passive Air sampling – POPS & CH4), Water Survey, MSC, (ice services, weather, water, air quality)

(Areas of work across ECCC in hydrology, permafrost, ecosystem services, climate change etc.)



Planned research and monitoring Related to ABoVe and POLAR activities

ECCC – Doug Worthey and Chris Derksen (STB – climate research, collaborative work on CO₂ and CH₄ fluxes (Miller C-03)

- could be others ... Anne Walker, Chris Spence (hydrology)



Management related research and monitoring needs, Related to ABoVe and POLAR activities

- Ecosystem services
- Flora and Fauna – transboundary herds (Porcupine Caribou, migratory birds, critical habitat for caribou)
- Reduction in ice coverage (increased shipping and marine transport, environmental emergencies)
- Air (GHG emissions, POPs, CH₄ etc.)
- Information for input into land use planning processes and environmental assessments (major developments e.g. Casino, Eagle, Coffee, Next Generation Hydro)
- Information at Special Management Areas (and Protected Areas)

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Opportunities for engagement, education and outreach

- none specific to our Department in Whitehorse (could look into activities in Ottawa)
- [Alaska Forum on the Environment](#) (Anchorage in February)
- [Arctic Observing Summit](#)
- [ArcticNet](#) (Winnipeg December 2016)



Recommendations for engagement, education and outreach

- Public information sessions in Whitehorse
- School curriculum
- Presentation to the Yukon Federal Table
- Social media (Facebook, Twitter, LinkedIn)
- Lunch and learn sessions via SCOPE or directly at YG or Federal department offices

