

2016-2017 PROJECT PLAN SUMMARY

Project Name:	B1-1-7 Wildlife Contaminants and Toxicology
Type of Project:	Long term
Delivery Agent:	Environment and Climate Change Canada
Project Contact:	Bruce Pauli (ECCC) - bruce.pauli@canada.ca
Budget:	\$ 493,419

Project Description:

This project represents an integration of several projects in the Wildlife Health Component of the Joint Oil Sands Monitoring (JOSM): colonial waterbird egg contaminants monitoring, contaminant dynamics in food webs; wildlife (mammal) contaminants and toxicology; and migratory bird toxicology. The goals of the project are: the identification of gaps in our understanding, the formulation of new science questions, and the development and recommendation of a robust, scientifically-credible and cost-efficient long-term monitoring program to assess oil sands environmental impacts.

Project Objectives:

The overall goal is to determine the most robust and cost-efficient methods to assess exposure and effects of chemicals of concern in sentinel wildlife species to monitor oil sands environmental impacts.

Key Outcomes:

Development of a comprehensive and multi-disciplinary long-term work plan for monitoring wildlife contaminants and toxicology in the oil sands that will: provide an assessment of the exposure and effects of chemicals of concern in sentinel wildlife species in the oil sands region in an integrated fashion, taking into account multiple stressors, and, establish the most appropriate program for wildlife contaminants, toxicology and health assessments in order to provide an integrated long-term monitoring program for potential oil sands environmental impacts using sentinel wildlife species.

Geographic Scope:

Northern Alberta and into the Peace-Athabasca Delta and the NWT and Saskatchewan for comparison purposes.

Associated Data:

Data from this project will be available on the Oil sands Information Portal. Reports include:

- A report on program integration
- Synthesis report on the JOSM wildlife Health component
- A report on a long-term monitoring plan.