

BC OGRIS Project Profile

Project Name:	Boreal Caribou Data Management and Reporting (2015/16)
Project Number:	BCIP-2016-05 (formerly BCIP-2014-03)
Proponent:	Caslys Consulting Ltd.
BC OGRIS Funding Envelope:	Boreal Caribou
Timeframe:	April 1, 2016 to March 31, 2017

Project objectives

The objectives of this project are to:

- Maintain a spatial database for the Research and Effectiveness Monitoring Board (REMB);
- Manage incoming data from GPS-collared animals in north east BC;
- Identify mortality and calving events from the GPS data;
- Manage data arising from ongoing monitoring and recruitment surveys;
- Manage incoming data from other REMB projects; and
- Generate reports on animal locations and movements and other reports as requested.

Project description

Data management and reporting provides the following services to the REMB—receiving, processing and warehousing:

- incoming data from GPS collars; and
- data collected during monitoring and recruitment surveys.

Project approach

The following services are provided under this project:

- Follow workflows for collecting, processing, warehousing and reporting spatial and aspatial data. This includes the supporting backup strategies and export utilities;

- Implement protocols to:
 - Protect data from accidental loss, equipment failure, theft, unauthorized use, etc., and
 - Recover data in a timely and efficient manner;
- Maintain base data;
- Manage incoming GPS data and monitoring information in the spatial database and the Ministry of Forests, Lands and Natural Resource Operations' regional telemetry database;
- Review data weekly and alert the REMB of any patterns in data suggesting an animal mortality or calving event;
- Produce monthly reports and maps of locations/movements of animals;
- Export data annually for submission to the BC Government's SPI database. Export information to DataBC and other systems as requested by the Fund Manager; and,
- Fulfill other data requests as requested by the Fund Manager.

Project deliverables

The deliverables from this project include the following:

- Weekly alerts—communications to the REMB on any potential mortalities that should be investigated based on the GPS signals received.
- Monthly reports and maps—on the movement and location of animals over the month.
- Data extracts—of data for loading into the SPI database, DataBC and other system requested by the Fund Manager.
- Other reports—as requested by the Fund Manager.