



FRIP Funds Initiative – Approved Projects – September 2016 Call for Proposals

- (1) **Planning for Woodland Caribou Recovery: a decision support tool for forestry operations and restoration** (Hinton Wood Products); Term of project – April 2017 – March 2018 , Theme – Applied Research

The objective of this project is to create tools for land-use managers to evaluate impacts of planned forestry operations on caribou by: 1) integrating spatial models of caribou habitat and movement into a user friendly GIS tool for this use; and 2) describe forest stand characteristics and silviculture systems best suited for promoting caribou habitat restoration.

- (2) **Forestry Futures Alliance** (Millar Western Forest Products); Term of project November 2016 – July 2018, Theme – Public Awareness and Outreach

The objective of this project is to collaborate with industry and community stakeholders in the delivery of programs that will enhance management of Alberta's forest resources by creating a well-informed body of future forest stewards and land-use decision makers. To provide forest education programs aimed at enhancing awareness of forest ecosystems, sustainable forest management practices, and the full range of diverse and rewarding forest sector career paths. Aboriginal youth and their communities are a key priority for each Alliance partner.

- (3) **Understanding public perceptions in an effort to enhance public outreach for, and advance the implementation of, ecosystem-based management** (Sundre Forest Products); Term of project –: January 2017 – March 2018 , Theme – Public Awareness and Outreach

The objective of this project is to provide a series of four one-day local dialogue sessions designed to fully explore and summarize any gaps between the acceptance of the theory, and the applications of ecosystem-based management (EBM). Project outputs include local summaries of pinch points and root causes, infographs, and a summary report highlighting solicited advice and input as a way forward.

- (4) **Sustaining Forests from Restoration to Conservation** (Canadian Forest Products); Term of project – January 2017 – December 2017; Theme – Public Awareness and Outreach.

The objective of this project is to support the 11th North American Forest Ecology workshop. The workshop will provide an opportunity for Alberta foresters and others to learn about the results from ecological research and its application in other regions.



(5) Town of Hinton Beaver Boardwalk Communication and Education Materials

Refresh (Hinton Wood Products); Term of project –January 2017 – June 2017,
Theme – Public Awareness and Outreach

The objective of this project is to renew and elevate the educational components of the boardwalk. Primarily through new signage, education opportunities, and online presence.

(6) Application of Grizzly Bear Research Results to Forest Management Activities in Alberta – a practical guide for forest managers and planners (Canadian Forest Products); Term of project –April 2017 - March 2018, Theme – Applied Research

The objective of this project is to create a guidebook that will provide information to forest managers and the public about our current state of knowledge on grizzly bears based on the past 18 years of research. A PowerPoint version would also be created for use within government agencies (FMB, AEP, Public Lands, etc.) and with environmental and other stakeholder groups.

(7) Communication, Public Outreach, and Planning for LuSEE (Weyerhaeuser Company Ltd.); Term of project –January 2017 – January 2019, Theme – Public Awareness and Outreach

The objective of this project is to provide communication and public outreach regarding LuSEE (the Land-use Social, Environmental and Economic decision support system).

(8) Nesting Migratory Birds in Alberta: Beneficial Management Practices and Risk Management Tool for the Forest Sector (West Fraser Mills); Term of project – December 2016 – October 2018, Theme – Applied Research

The objective of this project is development and validation of an incidental take risk management GIS tool that will help forest companies and managers develop and/or improve their practices for migratory birds. It will facilitate protection to migratory birds while they are breeding in Alberta.

(9) GrizzTracker (Daishowa-Marubeni International); Term of project – January 2017 – January 2019 , Theme – Public Awareness and Outreach

The objective of this project is to complete beta testing of the GrizzTracker, a novel Alberta-developed tool to standardize Grizzly Bear sightings reports. Deliverables would include a SmartPhone Application and dedicated project website. This project works toward engaging stakeholders and public in integrated wildlife science and forest landscape management. (engaging citizen science).



- (10) **Assessing Variable Retention harvesting as an ecosystem-based forest management tool for biodiversity, forest productivity and carbon sequestration** (Daishowa-Marubeni International); Term of project – January 2017 – December 2018 , Theme – Applied Research

The objective of this project is to provide quantitative understanding of forest regeneration, deadwood dynamics and biodiversity of bryophytes at ~15 years post-harvest.

- (11) **Regionally Analyzing the Impacts of Non-Fibre Values on Timber Management** (Tolko Industries); Term of project – January 2017 – March 2018, Theme – Inventory and Planning

The objective of this project is to explore and evaluate approaches that can be utilized to help address the complexity that results from managing non-fibre values at a larger regional scale.

- (12) **Mountain Forest Management for Water** (Spray Lake Sawmills); Term of project – January 2017 – December 2019, Theme – Applied Research

The objective of this project is to determine how headwater basin forest cover controls streamflow generation in the Bow River headwaters. Significant efforts will be placed towards public engagement.

- (13) **Southern Alberta Silviculture Adaptation Project - implementing silviculture strategies to adapt to climate uncertainty** (Canadian Forest Products); Term of project – January 2017 – August 2020, Theme – Applied Research

The objective of this project is to build on an existing watershed study in the Star Creek watershed through a series of experimental planting of 7 different species on each of combinations of site/ aspect / harvest system for longer term monitoring. To provide examples of how to integrate climate change adaptation into silviculture planning and implementation.

- (14) **Site index determination using remote sensing** (Canadian Forest Products); Term of project – April 2017 – March 2019, Theme – Applied Research

The objective of this project is to develop and test models for estimating site index from remotely sensed data including depth to water and flow accumulation from wet areas mapping, topographic data from LiDAR derived digital elevation models and dominant height from LiDAR point cloud data.



- (15) **Effect of harvesting and site preparation methods on reforestation performance** (West Fraser Mills); Term of project – April 2017 – December 2018, Theme– Applied Research
- The objective of this project is to measure a trial to evaluate the long-term effects of harvesting site preparation methods on lodgepole pine regeneration, and analysis of data to produce reforestation decision support tools. Expected results quantifying and explaining beneficial impacts of site treatments will be published in scientific literature and incorporated into decision support tools to plan reforestation practices and link them to long-term sustained yield.
- (16) **Developing and Enhancing the Mixedwood Growth Model (MGM) for forest management planning** (Alberta Plywood); Term of project – April 2017 – March 2020, Theme – Applied Research
- The objective of this project is to improve Mixedwood Growth Model (MGM) utility through development of a new version of MGM.
- (17) **Partners in Boreal Education** (Canadian Forest Products); Term of project – January 2017 – December 2019, Theme – Public Awareness
- The objective of this project is to deliver a science extension and education program to forest practitioners, citizens and students who live and work in forest communities of northern Alberta.
- (18) **The Meadows Trail and Infrastructure Enhancement** (Sundre Forest Products); Term of project – December 2016 – October 2018, Theme – Operational implementation of forest resource improvements
- The objective of this project is to inventory existing ATV trails in the project area and identify a better trail system to mitigate negative impacts of ATV use in more sensitive areas.
- (19) **The Effects of Spot Herbicide Treatments, Radial Brushing and Aspen Thinning On Spruce Growth and Stand Dynamics** (Blue Ridge Lumber); Term of project – June 2017 – March 2018, Theme – Applied Research
- The objective of this project is to re-measure and analyze established data in specific areas of radial brushing experiments and microclimatic measurements. Two manuscripts, two extension notes and a presentation at the FGROW spring 2018 meeting will be produced from data collected.