

Flora-Fauna Group

Potential synergies

- Shrub expansion (Frost, Goetz, Prugh)
 - Areas are complementary (non-overlapping)
 - Should coordinate/standardize methodology
- Vegetation structure: Boelman/Goetz
- Goetz lichen maps useful to Boelman caribou modeling
- Gamon work with Landsat may be useful to Boelman
- Boelman/Eitel team will explore use of Worldview-3 DEM to map canopy height, could be broadly useful
- SnowModel development by Prugh team could be useful to others
- Brinkman maps of hunter access will be useful for Boelman, Boelman maps of animal use may be useful to Brinkman

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Field measurements and remote sensing

- ✧ Extensive use of existing long-term veg plot data
- ✧ Repository/inventory list of available data could be useful
- ✧ Boelman will use LandTrendr, may be useful for others

Primary data gaps and needs?

- ✧ Maps of salmon runs (Brinkman/Boelman)
- ✧ Insect outbreak maps (Boelman/Goetz)
- ✧ Snow property time series (icing, depth)
- ✧ Domain-wide high resolution veg structure

Airborne hopes and dreams

- ✧ Lidar along forest-tundra ecotone
- ✧ Radar/microwave for snow properties, especially in areas with SNOTEL/ weather stations
- ✧ Hyperspectral and/or thermal for plant stress

Modeling

- ✧ Flora-focused studies could include browser/grazer feedbacks