

ABoVE Office Planning

The ABoVE Office is compiling a list of programs, projects and research sites which have relevance to arctic and boreal research (from such organizations as NSF, Natural Resources Canada, etc.). Currently the office has identified over 400 programs and projects, many of which have associated research sites in the potential ABoVE study domain.

The ABoVE Office is also in the process of creating a database of geospatial datasets which will be helpful to the SDT as they continue to draft the ABoVE Concise Experiment Plan (ACEP). A gallery of our geospatial holdings are available at <http://above.nasa.gov/geospatial.html?>.

Datasets currently being compiled include:

Dataset Categories	Datasets Available
Fire History	Alaska Fire Area History (1942-2012) Canada Fire Area History (1950s-2012)
Insect Damage/Forest Health	Alaska Insect Forest Damage (1989-2011)
Permafrost Conditions	Alaska Pingos Alaska Borehole Temperatures Alaska and Canada Ice Wedge Locations and Ice Zones Alaska and Canada Permafrost Distribution, Depth and Zones Brown et al 2002 Permafrost and Ground Ice NW Territories Permafrost Distribution
Soil Carbon	Northern Circumpolar Soil Carbon Database Mishra Soil Carbon Map of Alaska
Peatlands Map	Alberta Wetlands Inventory Alaska Wetlands Map
Ecoregions	Bailey's Ecoregions across Alaska and Canada EPA/CEC Ecoregions across Alaska and Canada Unified Ecoregions of Alaska
Land Holdings	Canada Aboriginal Lands USA Federal Lands Alaska Native Allotments Alaska Land Management Land Ownership Canada LCC Boundaries
Landcover	US National Landcover Database EODS Canada Landcover
Soil Datasets	USA Soil Survey (Contains soil data for all of North America)
Elevation	GTOPO30 for Alaska and Canada NED 2 arc second elevation for Alaska
Transportation	Roads World Airports (airports within Alaska and Canada)
Climate Projections	SNAP Datasets (Projected and Historical monthly temperature and precipitation for 3 emissions scenarios (B1, A1B and A2))
Field Sites	Locations of ongoing research sites throughout Alaska and Canada
Ancillary Datasets	NW Territories Lakes, and Rivers Highways, Cities, Roads MODIS-derived Water Mask Bedrock geology (Alaska)