

Archived Maps and Photography of the Western Arctic

Debbie Dean, Geophysical Institute, University of Alaska Fairbanks, Fairbanks, P.O. Box 757320, Fairbanks, Alaska, USA, 99775-7320, ddean@gi.alaska.edu; Rose Watabe, Geophysical Institute, University of Alaska Fairbanks, Fairbanks, P.O. Box 757320, Fairbanks, Alaska, USA, 99775-7320; Judy Martsolf, Geophysical Institute, University of Alaska Fairbanks, Fairbanks, P.O. Box 757320, Fairbanks, Alaska, USA, 99775-7320

An archive of maps, photography and satellite imagery; primarily of the Alaskan region, have been collected in support of Arctic Research at the Map Office and GeoData Center, University of Alaska Fairbanks. The map collection consist of USGS topographic maps, geologic maps, trail maps, navigation charts and historic maps, with some prints dating back to the early 1900's. The photographic collection includes natural color, color infrared and black/white aerial photography from a range of altitudes, including those acquired by the U.S. Navy and Army in the late 1940's. Most of the aerial photography is vertical, but some trimetrogon and oblique prints are available. The collection of satellite imagery from Landsat (1972-1990) and weather satellite (back to 1974) in photographic format are unique and cover much of the Western Arctic region. Other data sets include photographs from the North America Glacier collection (Ice and Climate Project), All-Sky Camera, and topical historical photographs specific to events such as earthquakes, auroras and Poker Flat rocket launches. Also available are the proceedings from meetings of the American Association for the Advancement of Science (AAAS) Arctic Division and the Global Change Conferences. The data from this archive provide a record of arctic processes and environmental change, such as glacial advance and retreat, geomorphic change at volcanoes, river migration, and coastline erosion and aggradation. The facilities are open to the public for browsing and purchase, and the office offers photographic reproduction services. For further information see:

<http://www.gi.alaska.edu/services/MapOffice/index.html>,
<http://www.gi.alaska.edu/services/geodata/>.