

MT. MICHELSON, ALASKA
VEGETATION AND LAND COVER
1:250 000-SCALE

INTRODUCTION

This map is one in a series designed to provide interim vegetation and land cover classification information for the State at a scale of 1:250 000 and includes maps, statistics, and digital data. This map series is part of the USGS national land use and land cover mapping program and is an interim solution for meeting special vegetation and land cover data requirements in Alaska. The classification system was prepared by an interagency working group of Federal and Alaska State agencies, which developed the Alaska Statewide Land Cover Classification System for use with digitally processed Landsat multispectral scanner data. The classification system is a modification of the Level II classification system for use with remotely sensed data (Anderson and others, 1976) and the ground based "Classification System for Vegetation in Alaska, 1982" (Viereck and Dymess, 1980).

The vegetation and land cover classifications were performed at the Earth Resources Observation Systems (EROS) Data Center, the EROS Alaska Field Office, and the Geographic Investigations Section, Western Mapping Center, using Landsat digital data, digital elevation models (DEM), and ancillary data. Field data were collected by USGS and other cooperating Federal and State agencies. Statistical summaries of vegetation and land cover classes, by township and range, are listed on the reverse side of the map. Computer-compatible tapes containing the land cover classification, DEM data, geometrically corrected Landsat data, and spectral cluster data are available through the National Cartographic Information Center (NCIC).

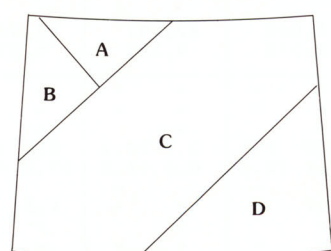
Anderson, J. R., Hardy, E. E., Roach, J. T., and Witmer, R. E., 1976, A land use and land cover classification system for use with remote sensor data, U. S. Geological Survey Professional Paper 964, 28 p.

Viereck, L. A., and Dymess, C. T., 1980, A preliminary classification system for vegetation of Alaska, U. S. Department of Agriculture, Forest Service General Technical Report PNW-106, 38 p. (see also internal revision: Viereck, L. A., C. T. Dymess, and R. A. Batten, 1982, Revision of the preliminary classification for vegetation of Alaska, Institute of Northern Forestry, U. S. Forest Service, Fairbanks, AK, 72 p.)

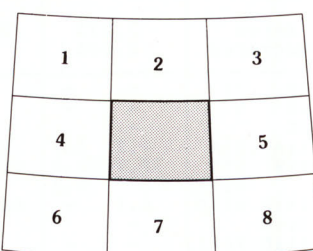
Land cover class, dominant vegetation,
and map surface area

I Forest	Square Miles	Square Kilometers	Percent
A. Needleleaf Forest			
B. Broadleaf Forest			
C. Mixed Forest			
II Shrubland			
A. Tall and Low Shrubland ..	38.5	99.6	0.76
B. Dwarf Shrubland and Related Communities ..	1,717.4	4,447.8	34.00
III Herbaceous Vegetation			
A. Dry or Moist Herbaceous ..	1,414.0	3,661.9	27.99
B. Wet Herbaceous	152.0	393.7	3.01
C. Aquatic Herbaceous			
D. Mosses			
E. Lichens			
IV Agriculture			
V Urban land			
VI Barren land			
A. Sparse Vegetation	680.9	1,763.5	13.48
B. Non-Vegetated (rock, soil),	489.6	1,268.1	9.69
VII Water (open water excluded)			
A. Clear and/or Deep	51.1	132.3	1.01
B. Turbid and/or Shallow ..	4.5	11.7	0.09
VIII Ice, Snow, and Clouds ..	84.3	218.4	1.67
IX Shadow	419.5	1,086.4	8.30
Total, land portion of map	5,051.9	13,083.3	100.0

LANDSAT COVERAGE DIAGRAM

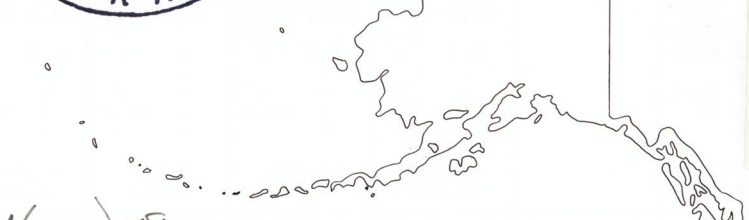


ADJOINING QUADRANGLES

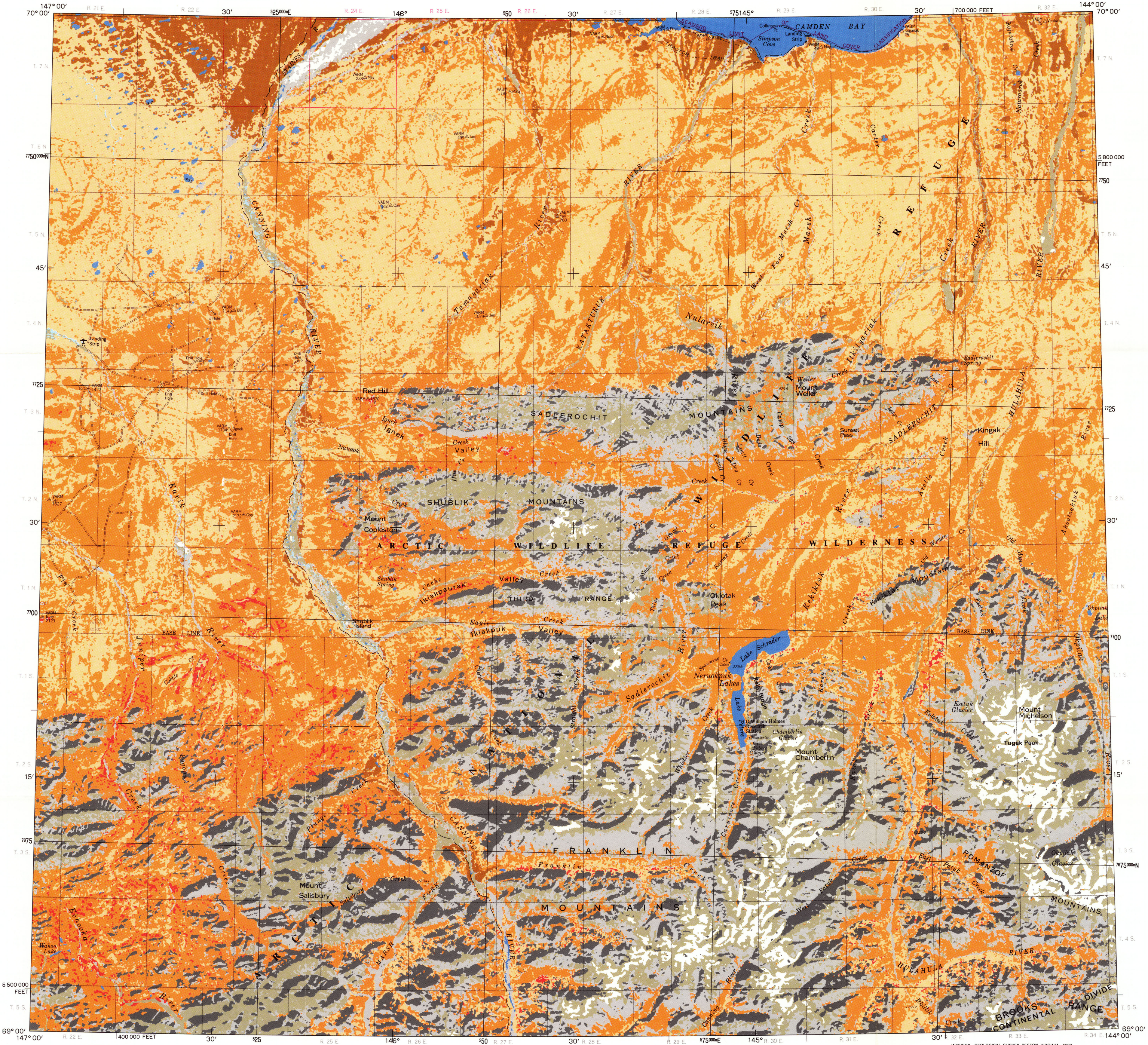


Date acquired	Image ID
A July 13, 1979	21633-20531
B August 14, 1976	2570-20462
C August 5, 1981	22387-20445
D August 4, 1981	22386-20391

- 1 Beechey Point
- 2 Flaxman Island
- 3 Barter Island
- 4 Sagavanirktok
- 5 Denman Point
- 6 Philip Smith Mountains
- 7 Arctic
- 8 Table Mountain

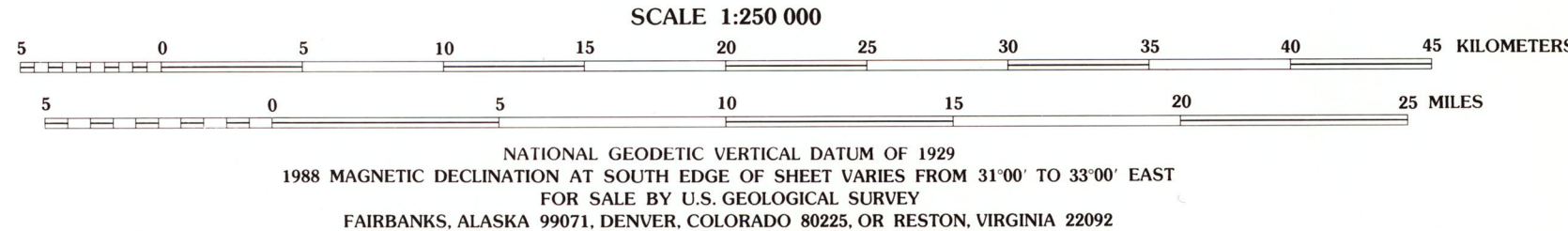


M(200)58s
250
M865g
1988
C.4



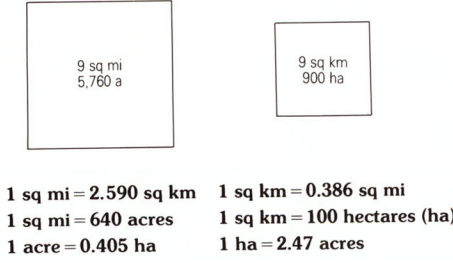
Produced by the United States Geological Survey
in cooperation with the Fish and Wildlife Service and
the Army Cold Regions Research and Engineering Laboratory
Base map from corresponding 1:250,000-scale
topographic map dated 1956, revised 1983
Projection and 25,000-meter grid
Universal Transverse Mercator, zone 6
100,000-foot grid ticks based on Alaska coordinate system, zone 3
1927 North American Datum
To place on the North American Datum 1983,
move the projection lines 27 meters north and 108 meters east
Gray land lines represent unsurveyed and unmarked locations
predetermined by the Bureau of Land Management
Red lines represent marked locations
Folios U-1, U-2, U-12, and U-13, Uniat Meridian
There may be private inholdings within the boundaries
of the National or State reservations shown on this map

Federal reservation boundaries established by the Alaska National
Interest Lands Conservation Act, P.L. 96-487, Dec. 2, 1980 are shown
as compiled by the administering agencies



ROAD CLASSIFICATION
Primary highway
Secondary highway
Light duty highway
Unimproved dirt road
Trails

AREA SCALE 1:250,000



1 sq mi = 2,590 sq km
1 sq km = 0.386 sq mi
1 sq mi = 640 acres
1 sq km = 100 hectares (ha)
1 acre = 0.405 ha
1 ha = 2.47 acres