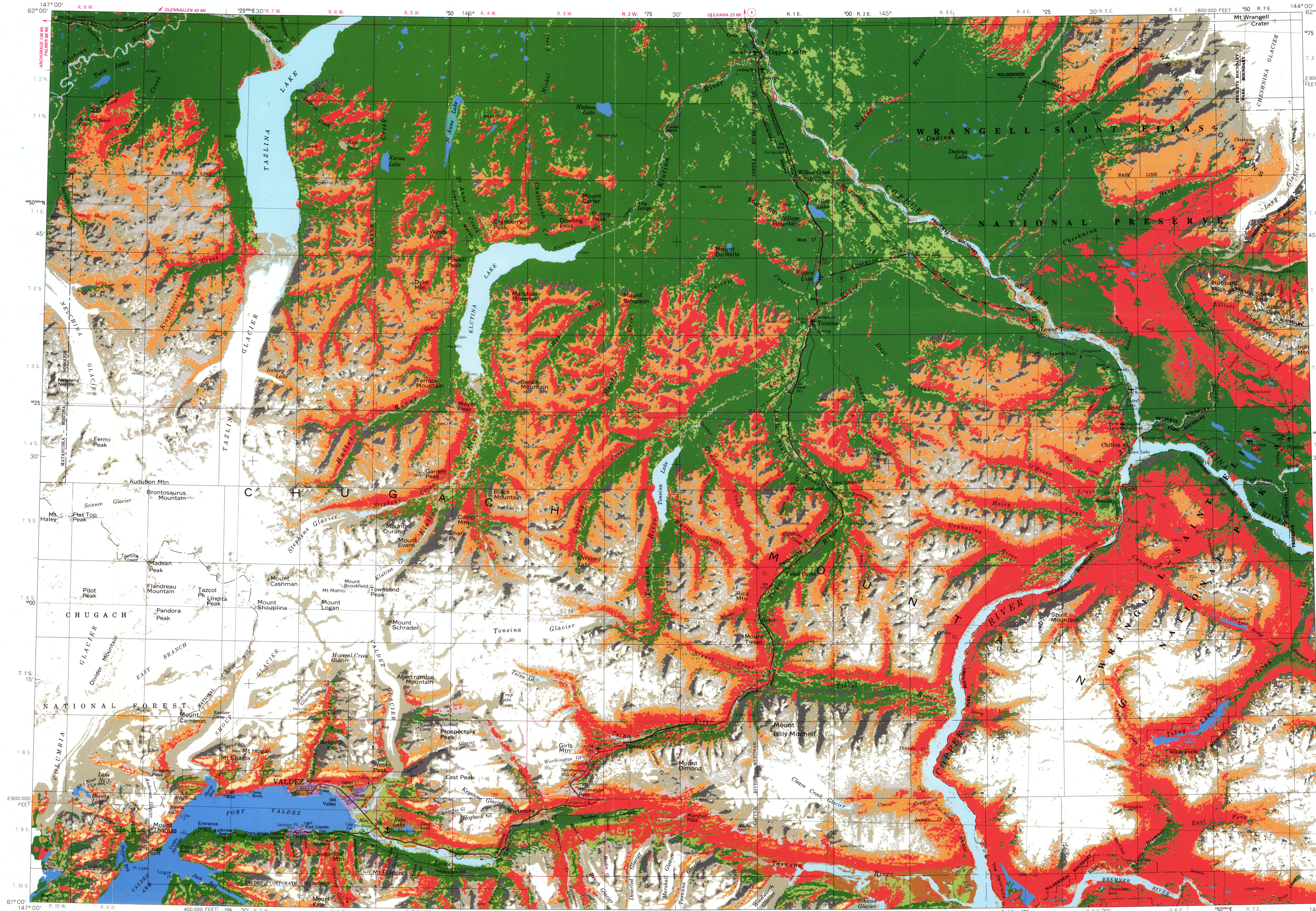
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

ALASKA
VEGETATION AND LAND COVER SERIES
MAP L–209

VALDEZ, 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 Dyrness, 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).

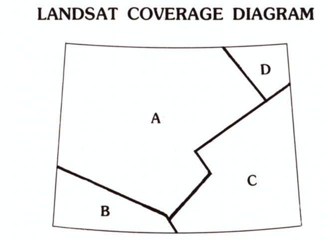
Anderson, J. R., Hardy, E. E., Roach, J. T., and Witmer, R. E., 1976, A land use and land cover classification system for use with remote sensor data, U. S. Geological Survey Professional Paper 964, 28 p.

Viereck, L. A. and Dyrness, 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. Dyrness, 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

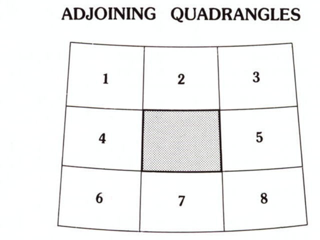
	Square Miles	Square Kilometers	Percent
I Forest			
A. Needleleaf Forest	1937.5	5018.3	28.1
B. Broadleaf Forest	249.7	646.9	3.6
C. Mixed Forest	61.2	158.6	0.9
II Shrubland			
A. Tall and Low Shrubland	985.3	2552.2	14.3
B. Dwarf Shrubland and Related communities	742.6	1923.4	10.8
III Herbaceous vegetation			
A. Dry or moist Herbaceous	14.9	38.8	0.2
B. Wet Herbaceous	45.5	117.8	0.7
C. Aquatic Herbaceous	3.0	7.7	0.0
D. Mosses			
E. Lichens			
IV Agriculture			
V Urban land	4.3	11.2	0.1
VI Barren land			
A. Sparse vegetation	198.7	514.6	2.9
B. Non-vegetated (rock, soil)	845.6	2190.1	12.3
VII Water (open water excluded)			
A. Clear and/or Deep	86.3	223.4	1.3
B. Turbid and/or Shallow	176.6	457.3	2.6
VIII Ice, Snow, and Clouds	1258.5	3259.5	18.3
IX Shadow	265.0	685.6	3.9
Total, land portion of map	6874.7	17805.4	100.0

LANDSAT COVERAGE DIAGRAM



Date acquired	Image ID
A August 21, 1977	29421–95725
B September 7, 1979	30551–20215
C July 10, 1978	21265–19554
D August 21, 1977	29421–95755

ADJOINING QUADRANGLES



1. Talkeetna Mts
2. Gulkana
3. Nabesna
4. Anchorage
5. McCarthy
6. Seward
7. Cordova
8. Bering Glacier

Produced by the United States Geological Survey
in cooperation with the Alaska Department of Natural Resources,
Divison of Geological and Geophysical Surveys

Base from corresponding 1:250 000-scale topographic map dated 1960, revised 1981

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 predicted North American Datum 1983 move the projection lines 58 meters north and 112 meters east

Gray land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management
Red lines represent marked locations

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, Pl 96–487, Dec. 2, 1980 are shown as compiled by the administering agencies

SCALE 1:250 000

5 0 5 10 15 20 25 30 35 40 45 KILOMETERS

5 0 5 10 15 20 25 MILES

NATIONAL GEODETIC VERTICAL DATUM OF 1929
1986 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 26°30′ TO 27°30′ EAST

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ROAD CLASSIFICATION

- Primary highway
- Secondary highway
- Light duty highway
- Unimproved dirt road
- Trails

AREA SCALE 1:250,000

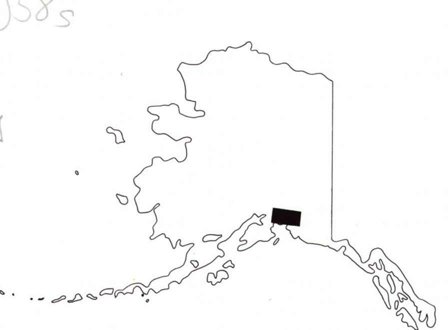
9 sq mi 5,760 a

9 sq km 900 ha

1 sq mi = 2.590 sq km
1 sq mi = 640 acres
1 acre = 0.405 ha

1 sq km = 0.386 sq mi
1 sq km = 100 hectares (ha)
1 ha = 2.47 acres

M(600)58s
250
V233g
1987
c.4



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VALDEZ, ALASKA
1979
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