



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. The classification system was developed 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, 1982).

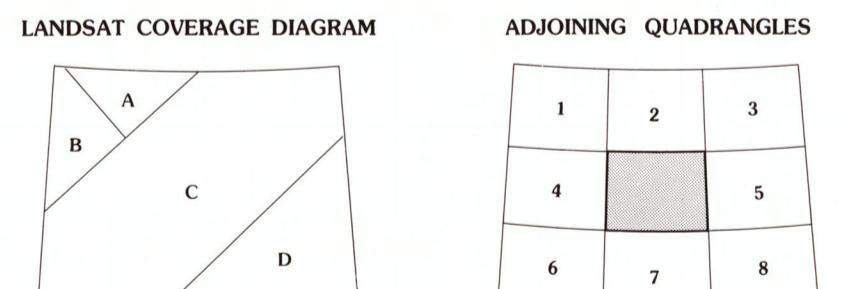
The vegetation and land cover classifications were performed at the Earth Resources Observation Systems (EROS) Data Center, the EROS Alaska Field Office, and the Geographic Investigations Section, Western Mapping Center, using Landsat digital data, digital elevation models (DEM), and ancillary data. 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 94, 28 p.

Viereck, L. A., and Dyrness, C. T., 1982, 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

	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	



Date acquired	Image ID
A July 13, 1979	2163-20531
B August 14, 1976	2570-20462
C August 5, 1981	22387-20445
D August 4, 1981	22386-20391
7 April 1981	6
8 Table Mountain	7

1 Beech Point  
2 Fleam Point  
3 Barrer Island  
4 Saganaviktok  
5 Demarcation Point  
6 Philip Smith Mountains  
7 April 1981  
8 Table Mountain



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MT. MICHELSON, ALASKA  
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MAP L-206