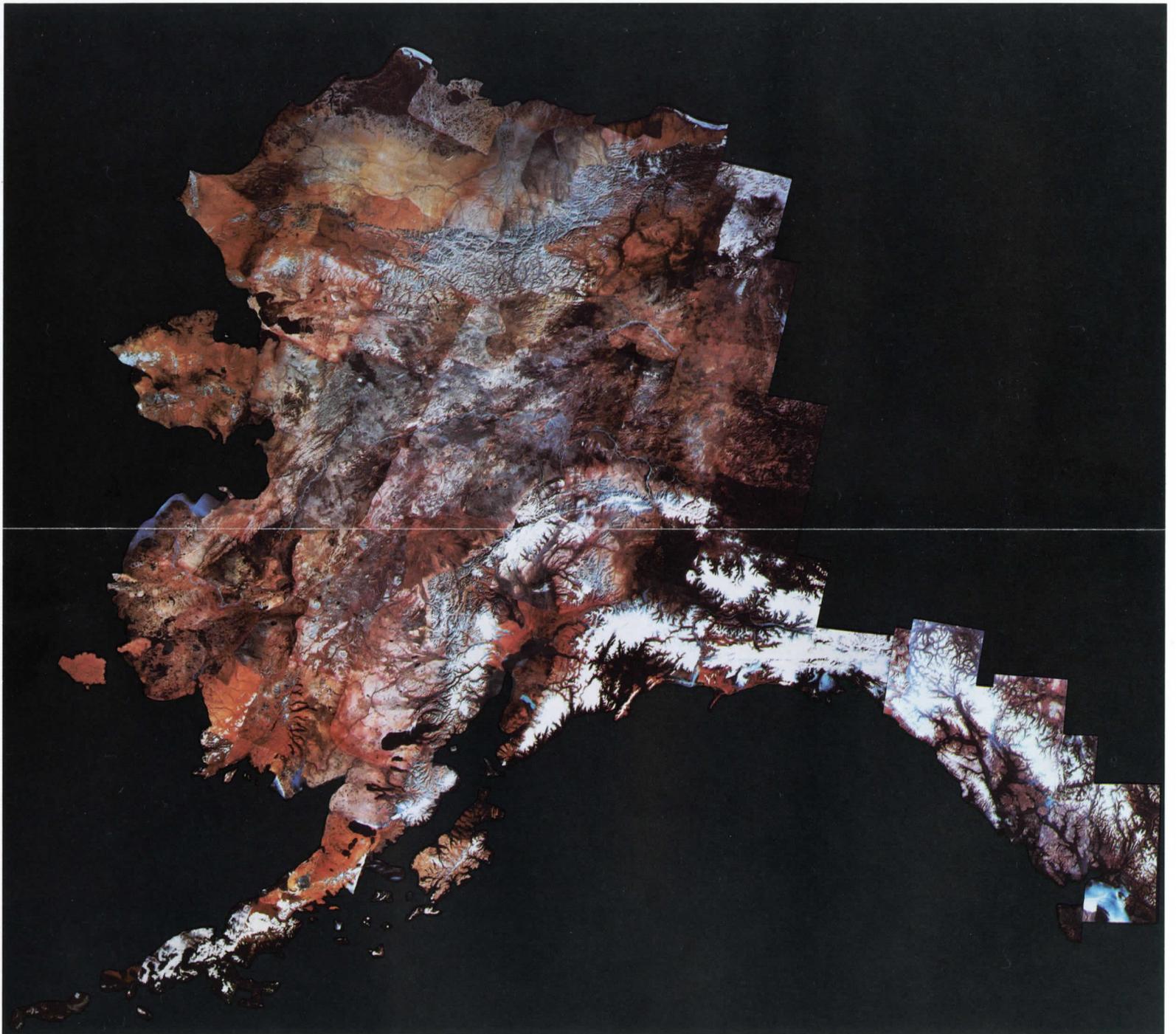


Alaska Landsat mosaic index

National Mapping Program

Alaska From Space

Department of the Interior
U.S. Geological Survey
National Cartographic
Information Center (NCIC)



Alaska Landsat Mosaic

A special series of Landsat (satellite) pictures of Alaska is available from the U.S. Geological Survey. This series is proving of interest to the general public and to users such as scientists or others investigating minerals, geological features, environment, or other facets of the 49th State.

A useful feature of this series is that the pictures—or, more properly, the satellite images—are available for most of Alaska and for six selected portions of the State. In preparing the series, the Western Mapping Center, U.S. Geological Survey, pieced together 143 individual satellite images to provide false-color mosaics covering most of the State.

How Landsat Mosaics Are Obtained

Space-age technology is helping cartographers, geologists, land planners, and specialists in many disciplines to gain a new perspective on the Earth. Data on the world's resources and features are now being gathered by satellite, providing accurate,

small-scale images of areas that are difficult to photograph and map by most other means.

Whereas aerial photographs can capture only a small piece of a State, satellite imagery offers users a large-area perspective of land features such as mountain ranges and major geological features.

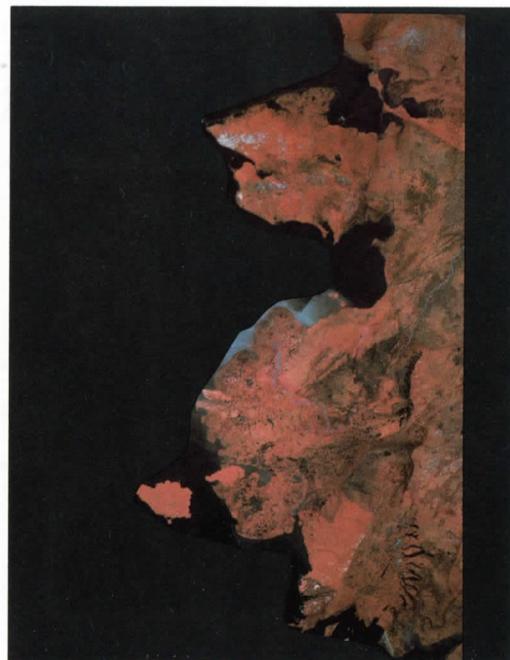
Landsat imagery for the Alaska mosaic is produced from data gathered by a sensing device called a multispectral scanner, which measures reflected light in four wavelengths or "bands" of the spectrum—two visible bands and two infrared bands. The data, which the scanner records in digital format, can be converted to individual black-and-white photographic images representing approximately 115 miles per side. Exposing the black-and-white bands through color filters onto color film produces false-color composites in which healthy vegetation appears as red, clear water as black, sediment-laden water as light blue, and urban areas as blue-gray.

The imagery is available in a choice of formats and prices, based on two photo-reproduction techniques. The first and higher quality product is made from the original mosaic by contact printing.

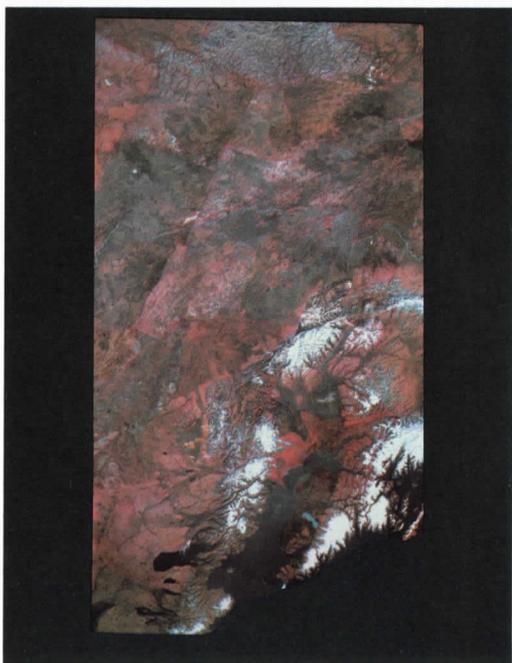
The second method copies and reduces the products made by the first method. These copies are slightly lower in quality and greatly reduced in price.



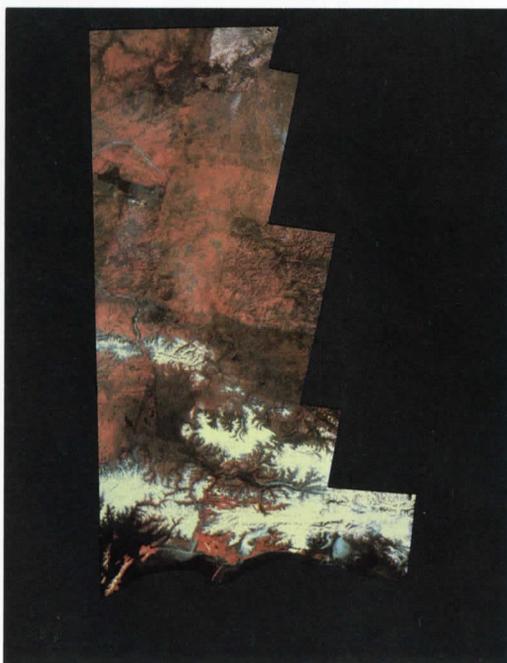
Sheet A



Sheet B



Sheet C



Sheet D

Products You Can Order

The false-color mosaics are available in the following formats:

A. Original Compilation Scale Printing Master

These are high quality first generation contact prints made from the original mosaic image.

1. A single contact mosaic of Alaska, scale 1:2,500,000.
30 × 35-inch print
2. Six separate contact mosaics, each showing partial coverage of the State, scale 1:1,000,000.

Sheet A	53 × 24-inch print
Sheet B	41 × 24-inch print
Sheet C	41 × 24-inch print
Sheet D	41 × 24-inch print
Sheet E	41 × 24-inch print
Sheet F	41 × 24-inch print



Sheet E

B. Reduced Scale Printing Master
These are lesser quality second generation prints that are made from reduced copies of the original mosaic image.

1. A single mosaic of Alaska, scale 1:9,000,000 on the 10-inch products
10 × 10-inch print
10 × 10-inch film (positive)
20 × 20-inch print
30 × 35-inch print
2. Six separate mosaics, each showing partial coverage of the State, scale 1:5,000,000 on the 10-inch products.
10 × 10-inch print
10 × 10-inch film (positive)
20 × 20-inch print
41 × 24-inch print
(except Sheet A, 53 × 24 inch)

C. Slides (35-mm) of Alaska mosaic and of the six mosaics.



Sheet F

How to Obtain More Information

For more information, prices, or to order Landsat mosaics of Alaska, contact:

User Services Section
EROS Data Center
U.S. Geological Survey
Sioux Falls, South Dakota 57198
Telephone: 605-594-6151

or

National Cartographic
Information Center
U.S. Geological Survey
4230 University Drive
Anchorage, Alaska 99508-4664
Telephone: 907-271-4159

or contact the following office:

