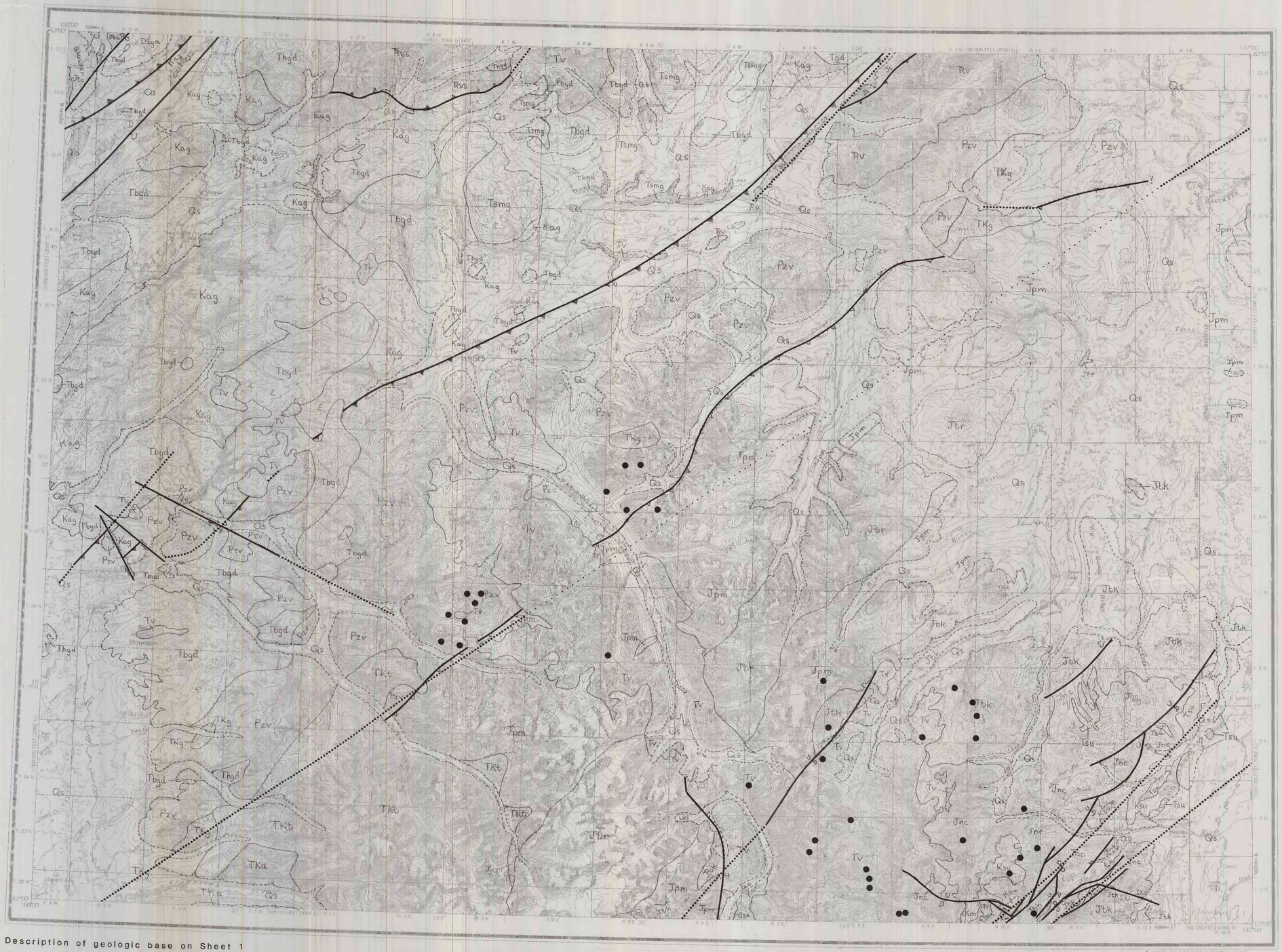
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT
78-558D
Folio of the Talkeetna Mountains Quadrangle, Alaska
SHEET 2 OF 2

STEELE AND LE COMPTE--INTERPRETATION OF LANDSAT IMAGERY



Description of geologic base on Sheet 1

EXPLANATION OF IMAGERY INTERPRETATION

- Fault (Csejtey and others, 1978)
- Conjectured fault extension
- Lineaments possibly related to faults
- Iron-oxide colored area

SCALE 1:250000

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

MAP SHOWING INTERPRETATION OF LANDSAT IMAGERY OF THE TALKEETNA MOUNTAINS QUADRANGLE, ALASKA

BY

WM. CLINTON STEELE AND JAMES R. LE COMPTE

1978

Table 1.--*Table of Landsat imagery used in analyses of the Talkeetna Mountains quadrangle.*

[Computer compatible tapes were processed by Pat S. Chavez, Jr., Teresa C. Grow, and Lynda Sowers, U.S. Geological Survey, Flagstaff, Ariz. Imagery is available from EROS Data Center, Sioux Falls, South Dakota 57198 (specify Public Affairs Office (PAO) number when ordering). For description of these types of enhancement see Albert and Steele (1978a, b). Example of imagery is shown in Figure 2.]

Imagery type	Bands and colors used	Scene ID number	Date	Projection	Public Affairs Office (PAO) number	Transparency scale	Print scale
U.S.D.A. Alaska mosaic	7 Black and white	Not applicable		Albers equal area	Not applicable	Not applicable	1:1,000,000
Computer-enhanced imagery							
False-color with linear stretch - east	4 Blue 5 Green 7 Red	1768-20351	8-30-74	Orthographic	E-675-65CT	1:1,071,400	1:250,000
False-color with linear stretch - west	4 Blue 5 Green 7 Red	2244-20435	9-23-75	Orthographic	E-678-64CT	1:1,060,875	1:250,000
False-color with sinusoidal stretch - east	5 Blue 6 Green 7 Red	1768-20351	8-30-74	Orthographic	E-676-65CT	1:1,071,400	1:250,000
False-color with sinusoidal stretch - west	5 Blue 6 Green 7 Red	2244-20435	9-23-75	Orthographic	E-679-64CT	1:1,060,875	1:250,000
Simulated natural color - east	Synthetic blue 4 Green 5 Red	1768-20351	8-30-74	Orthographic	E-677-65CT	1:1,071,400	1:250,000
Simulated natural color - west	Synthetic blue 4 Green 5 Red	2244-20435	9-23-75	Orthographic	E-680-64CT	1:1,060,875	1:250,000
Vertical first derivative - east	6 Black and white	1768-20351	8-30-74	Orthographic	E-330-65BN	1:1,071,400	1:250,000
Vertical first derivative - west	6 Black and white	2244-20435	9-23-75	Orthographic	E-333-64BN	1:1,060,875	1:250,000
Horizontal first derivative - east	6 Black and white	1768-20351	8-30-74	Orthographic	E-331-65BN	1:1,071,400	1:250,000
Horizontal first derivative - west	6 Black and white	2244-20435	9-23-75	Orthographic	E-334-64BN	1:1,060,875	1:250,000
Diagonal first derivative - east	6 Black and white	1768-20351	8-30-74	Orthographic	E-332-65BN	1:1,071,400	1:250,000
Diagonal first derivative - west	6 Black and white	2244-20435	9-23-75	Orthographic	E-335-64BN	1:1,060,875	1:250,000

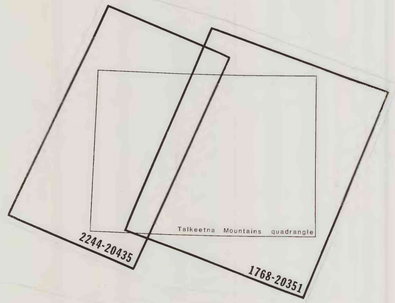


Figure 1.--Map showing location of Landsat imagery used in the analyses of the Talkeetna Mountains quadrangle.

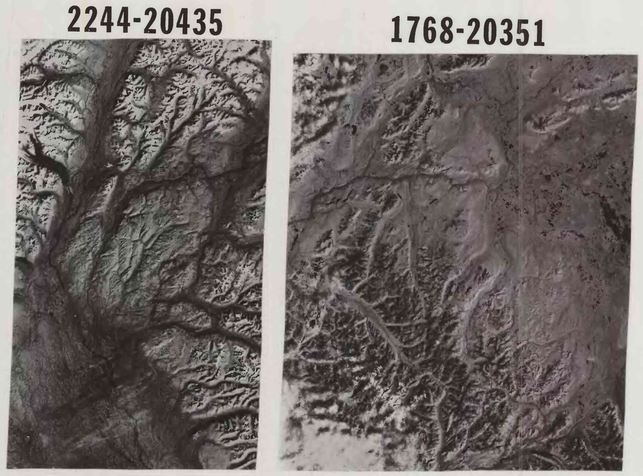


Figure 2.--Example of Landsat imagery used in analyses of the Talkeetna Mountains quadrangle. Band 7.