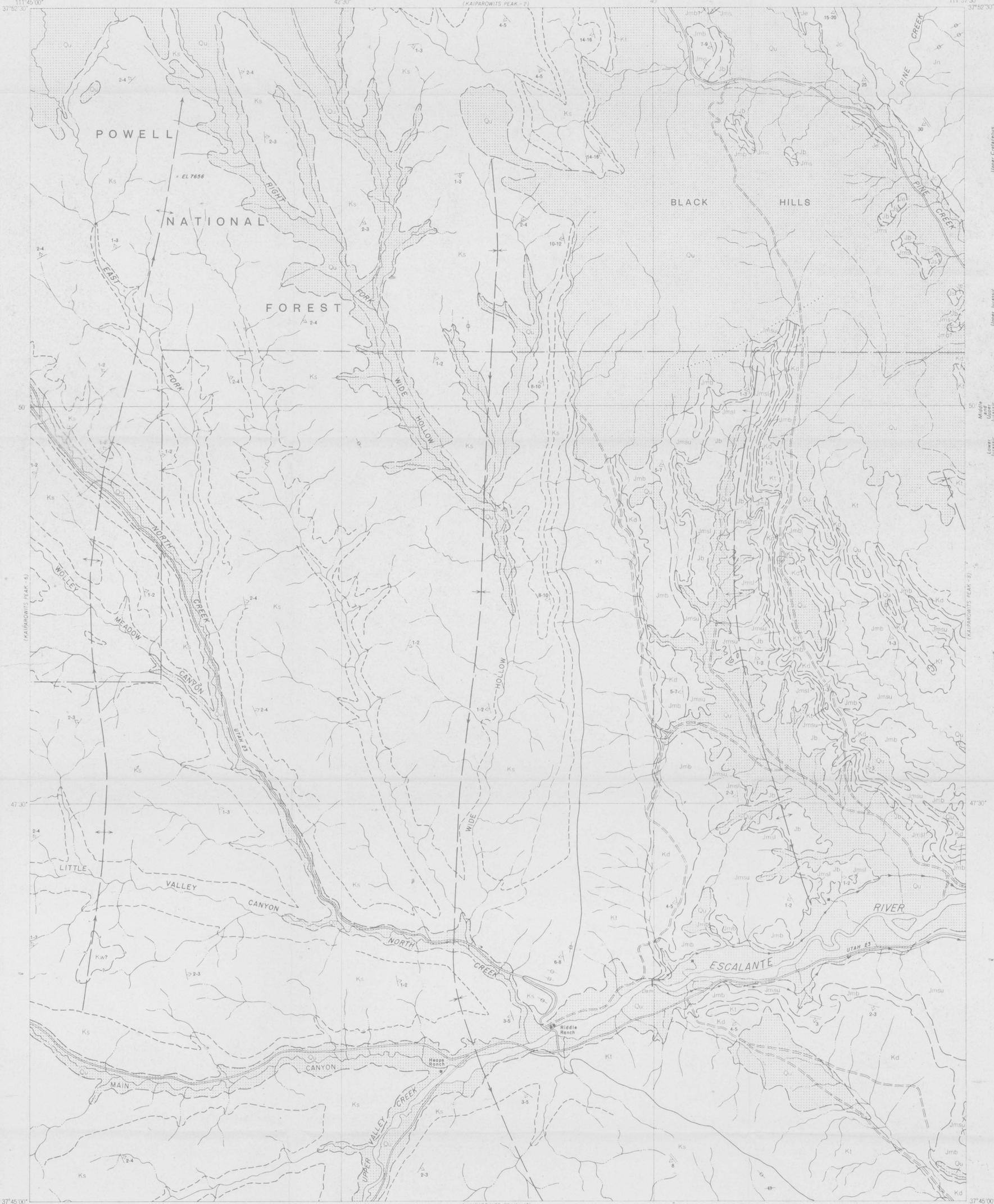


(300)
 767mm

DEPARTMENT OF THE INTERIOR
 UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
 U. S. ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, KAIPAROWITS PEAK - 7
 UTAH - GARFIELD COUNTY
 TRACE ELEMENTS MEMORANDUM REPORT 859



EXPLANATION

- Undifferentiated sand, residual mantle, slope wash (including volcanic material) and alluvium
 - Wahweap sandstone
 - Straight Cliffs sandstone
 - Tropic shale
 - Dakota sandstone
 - Morrison formation
 - Brushy Basin shale member, Jmb; Salt Wash sandstone member, Jms; upper unit, Jmsu; lower unit, Jmsl
 - Bluff(?) sandstone
 - Sumnerville formation
 - Entrada sandstone
 - Carmel formation
 - Navajo sandstone
- Contact
 Can be located within 30 feet horizontally.
- Contact
 Can be located within 30 to 200 feet horizontally.
- Contact
 Cannot be located accurately; probable error greater than 200 feet horizontally.
- Probable contact
- Resistant bed within a formation
 May be traceable only locally.
- Anticline
 Showing crest line and direction of plunge
 Approximately located.
- Syncline
 Showing trough line and direction of plunge
 Approximately located.
- Strike and dip of beds
 Computed by photogrammetric methods.
- Approximate strike and dip of beds
 Based on photointerpretation.
- Strike of approximately vertical joints
 Based on photointerpretation.
- Linear feature uninterpretable on photograph
 May be geologically significant.
- Irrigation ditch
- National forest boundary
- Primary road
- Secondary road
- Trail

PHOTOGEOLOGY BY J. S. DETTERMAN
 SCALE 1:24,000
 MARCH 1955

Roads as classified in this map series are as follows:
 Primary roads are maintained and graded; traversable by two-wheel-drive vehicles; secondary roads are traversable possibly by two-wheel-drive vehicles; trails are not traversable by four-wheel-drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

Stratigraphic column for this area modified from U.S. Geol. Survey Prof. Paper 164, 1931 and L. C. Craighead's field data. Geographic and geologic field data from U.S. Forest Service map, Powell National Forest, Utah, 1960, U.S. Geol. Survey Prof. Paper 164, 1931.

This map has been compiled mainly from photogeologic data but has not been checked in the field; hence it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

KAIPAROWITS PEAK QUADRANGLE

Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in June 1948.

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