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

T67rm no. 438

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

COMPILATION OF PHOTOGEOLOGY AND SURFACE GEOLOGY
COLORADO PLATEAU AREA UNITED STATES

TRACE ELEMENTS MEMORANDUM REPORT TM 438

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EXPLANATION

SEDIMENTARY ROCKS

CRETACEOUS — Lower and Upper
- **Kbd** — Burro Canyon formation and Dakota sandstone, undifferentiated (In places may be overlain by Mancos shale (Upper Cretaceous))

JURASSIC — Upper
- **Jmu / Jml** — Morrison formation. Upper part, Jmu, equivalent to Brushy Basin shale member; lower part, Jml, includes the Salt Wash sandstone member

JURASSIC — Middle
- **Jsr / Je / Jc** — San Rafael group undifferentiated; Entrada sandstone, Je; Carmel formation, Jc

JURASSIC (?)
- **Jn** — Navajo sandstone
- **Jk** — Kayenta formation
- **Jw** — Wingate sandstone

IGNEOUS ROCKS

TERTIARY
- **Ti** — Intrusive rocks

Contact
(Can be accurately located within 30 feet horizontally)

Contact
(Can be approximately located within 30 to 200 feet horizontally)

Contact
(Cannot be located accurately; probable error greater than 200 feet)

Probable or doubtful contact

Probable or doubtful fault

High-angle fault
(U, upthrown side; D, downthrown side)

Strike and dip of beds
(Based on photo-interpretation)

Dip component

Strike of approximately vertical joint system
(Based on photo-interpretation)

Uninterpretable linear feature on photograph
(May be geologically significant)

Secondary road

Trail

Telephone line

Surveyed line

Reservation boundary, National or State

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BASE MAP COMPILED BY SOIL CONSERVATION SERVICE
U. S. DEPT. OF AGRICULTURE

JUNE 1952

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

VERDURE QUADRANGLE

TRUE NORTH 15°

PHOTOGEOLOGIC MAP
VERDURE-4
SAN JUAN COUNTY, UTAH

PHOTOGEOLOGY BY R.J HACKMAN
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH

SCALE 1:24,000
0 — 1 MILE

Stratigraphic column modified from U. S. Geol. Surv. Bull. 841, U. S. Geol. Survey Prof. Paper 180 and U. S. Geol. Survey unpublished report.

Utah (Verdure 4 quad.). Geol. 1:24,000. 1952.
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