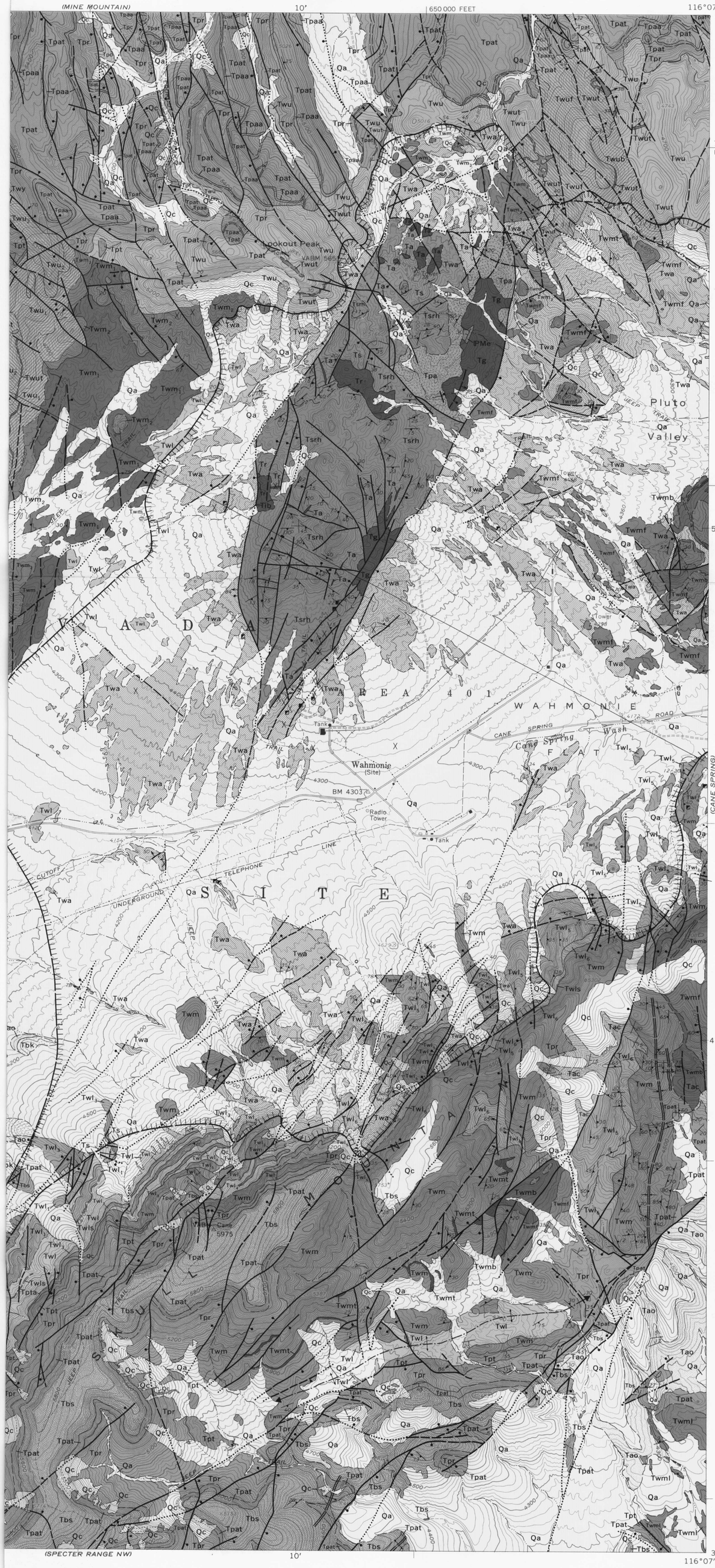
PREPARED IN COOPERATION WITH
U.S. ATOMIC ENERGY COMMISSION

GEOLOGIC QUADRANGLE MAP
GQ-387

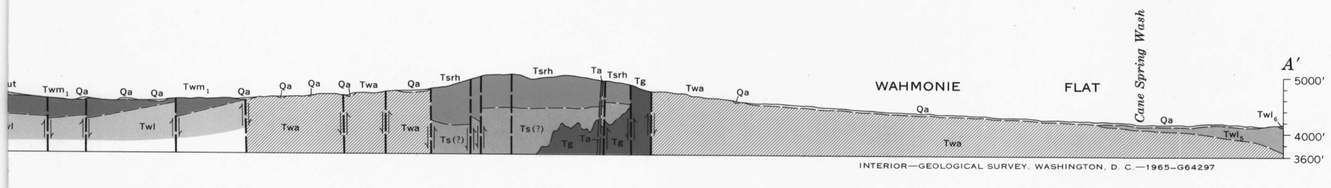


SCALE 1:24 000

0 1 MILE

.5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



Geology mapped in 1962

(CAMP DESERT ROCK)

MOUNTAIN QUADRANGLE, NYE COUNTY, NEVADA

By

. B. Ekren and K. A. Sargent

1965

EXPLANATION

QUATERNARY

Qa — Alluvium

Qc — Colluvium

Tbk — Basalt of Kiwi Mesa

Tsr — Rhyolite of Shoshone Mountain

Tao — Older alluvium

UNCONFORMITY

Tbs — Basalt of Skull Mountain

Tac — Alluvium and colluvium

TERTIARY

Pliocene

Piapi Canyon Formation

Tpat, Tpaa — Tuffs of Ammonia Tanks
Tpaa, *ash-fall and ash-flow tuff*

Tpr — Rainier Mesa Member

Tpc — Tiva Canyon Member

Tpb — Bedded tuff

Tpt, Tpta — Topopah Spring Member
Tpta, *ash-fall tuff*

Twy — Young andesite

Andesites, dacites, latites, and tuffs of Wahmonie Flat

Upper part

Twu, Twut — Northern area
Twut, *ash-fall and reworked tuff*

Twuf, Twut, Twub — Northeastern quarter
Twuf, *layered flow*
Twut, *ash-fall and reworked tuff*
Twub, *flow breccia*

Twu_4, $Twut$, Twu_3, Twu_2, $Twut$, Twu_1 — East of Kiwi Mesa
Twu_{4-1}, *layered flows and flow breccias*
Twut, *ash-fall and reworked tuff*

Middle part

Twm_2, Twm_1 — Northern area
Twm_2, *upper flows*
Twm_1, *lower flows*

Twml, Twm, Twmt — Skull Mountain
Twml, *lithic tuff*
Twmt, *ash-fall and reworked tuff*

Twmf, Twmt, Twmb — Eastern area
Twmf, *flows*
Twmt, *ash-fall and reworked tuff*
Twmb, *flow breccias*

Twa — Hydrothermally altered andesite, dacite, latite, and tuff

Twl_6, Twl_5, Twl, Twl_4, Twl, Twl_3, Twl, Twl_2, Twl, Twls, Twl_1, Twl — Lower part
Twl_{6-1}, *glassy latitic flows and flow breccias*
Twl, *latitic flow breccias*
Twls, *tuffaceous sandstone and conglomerate*

Tsrh, Ts — Breccia flows, rhyodacite, and tuffaceous rocks of Mount Salyer area
Tsrh, *rhodacite*
Ts, *breccia flows, tuffaceous rocks, and sandstone*

Tpa — Tuff of Pavits Spring area

UNCONFORMITY

Lower Pennsylvanian

PMe — Eleana(?) Formation

MISSISSIPPIAN TO PENNSYLVANIAN

CARBONIFEROUS

INTRUSIVE ROCKS

Tg — Granodiorite

Ta — Andesite

Tr — Rhyolite

Tib — Intrusive breccia

TERTIARY

Contact
Dashed where approximately located, gradational, or inferred; dotted where concealed; queried where doubtful

Fault, showing dip
Dashed where approximately located or probable; dotted where concealed; queried where doubtful. Ball and bar on down-thrown side of fault; arrows show relative horizontal movement

Anticline
Anticlinal fold probably resulting from primary deposition on a topographically high area, and later collapse on flanks during cycle of normal faulting

Folds
Folds within a lava flow outlined by flow layering; the folds formed parallel to direction of fluidal movement and probably reflect underlying topography

37 — Strike and dip of beds

60 — Strike and dip of flow layering

Strike of vertical flow layering

75 — Strike and dip of joint

Strike of vertical joint

Vertical shaft

Adit

Prospect pit

Approximate outer edge of zone of hydrothermal alteration

D-01A

For sale by U.S. Geological Survey, price $1.00