PREPARED IN COOPERATION WITH
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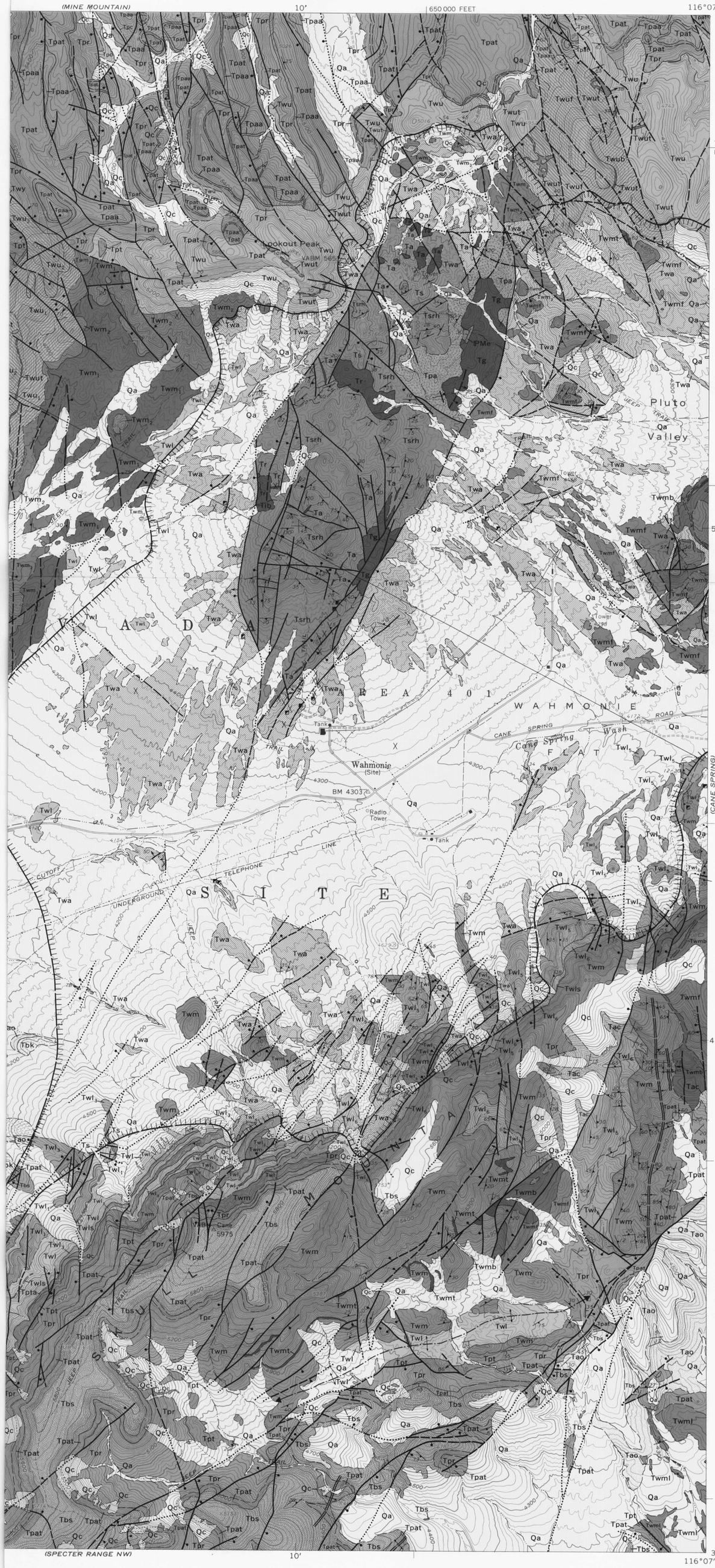
GEOLOGIC QUADRANGLE MAP
GQ-387



SCALE 1:24 000

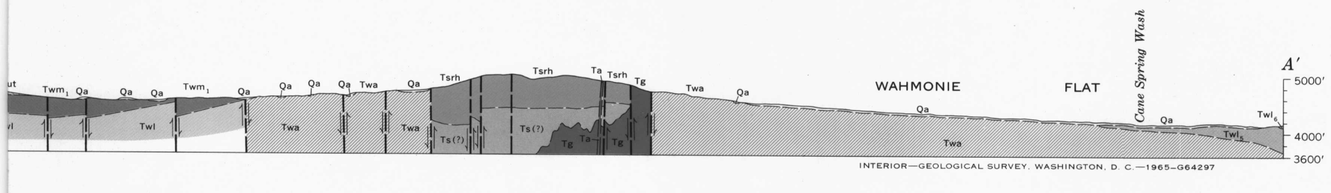
0 1 MILE

.5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

NEVADA
QUADRANGLE LOCATION

Geology mapped in 1962



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G64297

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$_{4-1}$, 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, Twm — 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

MISSISSIPPIAN TO PENNSYLVANIAN

CARBONIFEROUS

Lower Pennsylvanian

PMe — Eleana(?) Formation

INTRUSIVE ROCKS

TERTIARY

Tg — Granodiorite

Ta — Andesite

Tr — Rhyolite

Tib — Intrusive breccia

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

X — Prospect pit

Approximate outer edge of zone of hydrothermal alteration

D-01A

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