MAP UNITS AND SYMBOLS

MAP UNITS

Qs YOUNGER ALLUVIUM (Quaternary)

Qso OLDER ALLUVIUM (Quaternary)

QTs SEDIMENTARY ROCKS (Quaternary and (or) Tertiary)

Tf FANGLOMERATE (Tertiary)

Tsc CONGLOMERATE AND SANDSTONE (Tertiary)

Tbu UPPER BASALT FLOWS (Tertiary)

Tdf DEBRIS FLOWS (Tertiary)

Tif FELSIC DIKES AND PLUGS (Tertiary)

Tia INTERMEDIATE DIKES AND PLUGS (Tertiary)

Tim MAFIC DIKES AND PLUGS (Tertiary)

Td DACITIC INTRUSIVE AND EXTRUSIVE ROCKS (Tertiary)

RHYOLITIC ROCKS OF SAN DOMINGO WASH

Trs RHYOLITE FLOWS, DOMES, SILLS, AND DIKES (Tertiary)

Tts RHYOLITIC PYROCLASTIC ROCKS (Tertiary)

Tbl LOWER BASALT FLOWS (Tertiary)

Ts SANDSTONE AND CONGLOMERATE (Tertiary)

Kg GRANITE (Cretaceous)

Kgd GRANODIORITE (Cretaceous)

Kd DIORITE (Cretaceous)

Xs SCHIST (Precambrian X)

Xg BIOTITE QUARTZ MONZONITE TO MONZOGRANITE (Precambrian X)

Xsg SCHIST AND GNEISS (Precambrian X)

Xam AMPHIBOLITE (Precambrian X)

MAP SYMBOLS

GEOLOGIC CONTACT--Solid where crossed on a traverse; dashed where extended between traverses; dotted where buried.

FAULT--showing dip. Solid where crossed on a traverse; dashed where extended between traverses; dotted where buried. Bar and ball on downthrown block.

LOW-ANGLE FAULT--showing dip. Hachures on upper plate. Solid where crossed on a traverse; dashed where extended between traverses; dotted where buried.

STRIKE AND DIP OF BEDDING

Horizontal

Inclined

Overturned

EUTAXITIC FOLIATION IN ASH FLOW TUFF

FLOW FOLIATION IN LAVA FLOWS AND INTRUSIONS

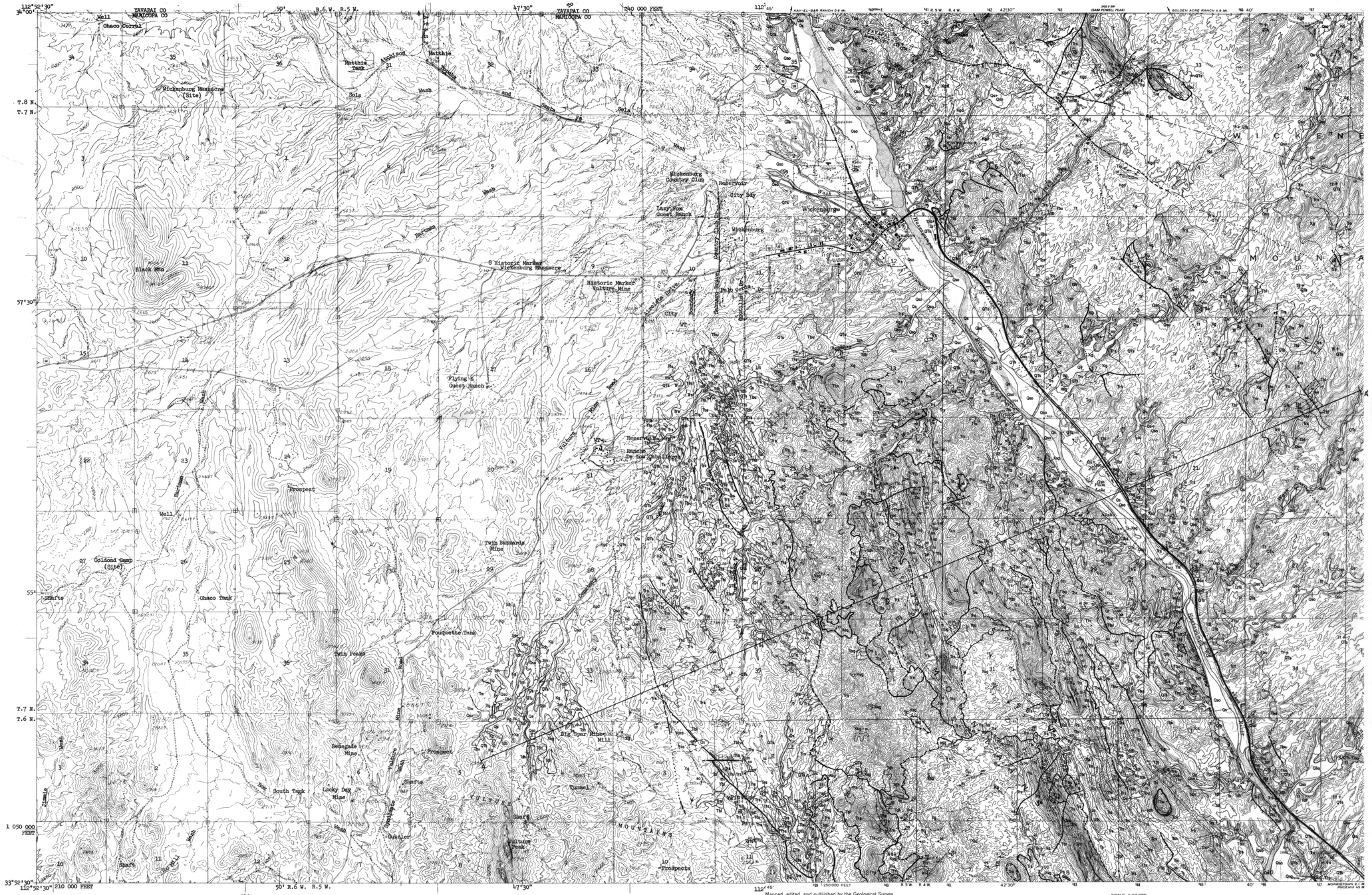
FOLIATION IN METAMORPHIC ROCKS

Inclined, showing bearing and plunge of lineation.

Vertical

Horizontal

A A' LINE OF CROSS SECTION



Mapped by Pacific Area, Geological Survey

This is an unedited copy of an original manuscript including field additions made in 1961

TRUE NORTH
MAGNETIC NORTH
14½°
APPROXIMATE MEAN DECLINATION, 1961

SCALE 1:24000

CONTOUR INTERVAL 40 FEET
DASHED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

WICKENBURG 2 NE., ARIZ.

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue
To place on the predicted North American Datum 1983 move the projection lines 1 meter south and 47 meters east as shown by dashed corner ticks

UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

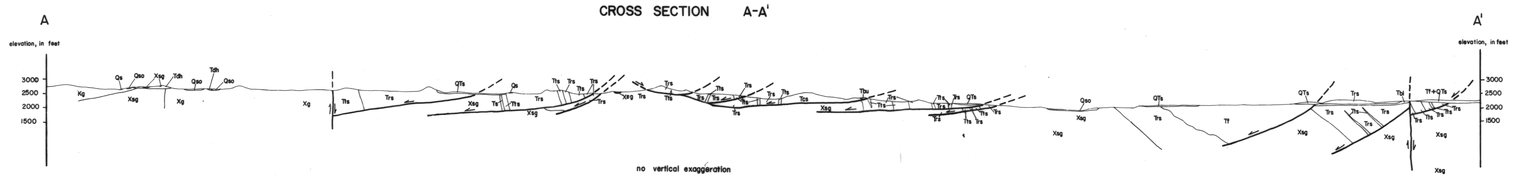
CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ARIZONA
QUADRANGLE LOCATION

GEOLOGIC MAP OF THE NORTHEASTERN VULTURE MOUNTAINS AND VICINITY, CENTRAL ARIZONA.

by Michael J. Grubensky, James A. Stimac, Stephen J. Reynolds, Stephen M. Richard

1987

ARIZONA BUREAU OF GEOLOGY
AND MINERAL TECHNOLOGY
OPEN-FILE REPORT 87-10

CROSS SECTION A-A'