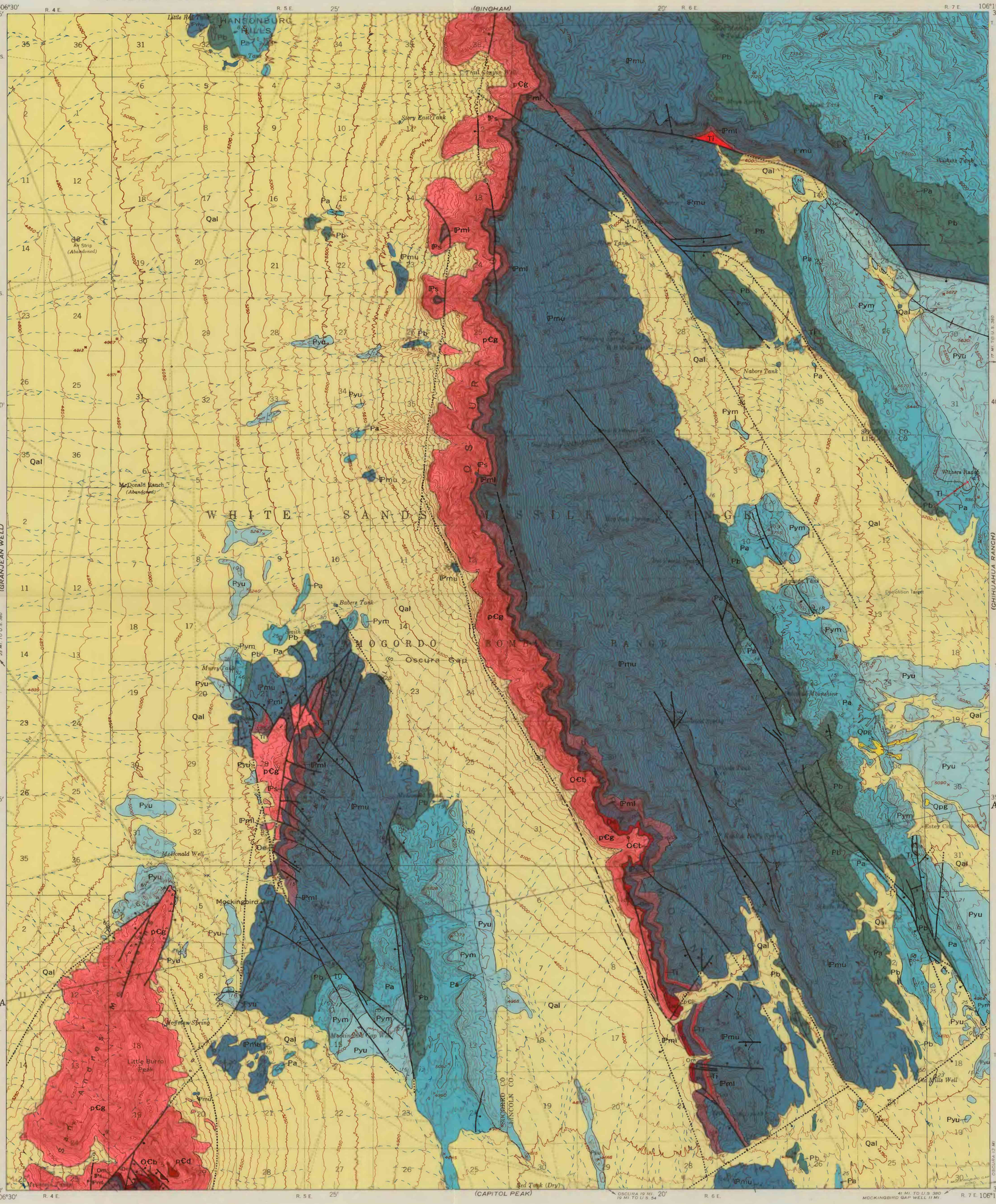


Base by U.S. Geological Survey, 1948

Geology by George O. Bachman, 1960

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

TRUE NORTH
MAGNETIC NORTH
13°
APPROXIMATE MEAN DECLINATION, 1968

EXPLANATION

QUATERNARY

Qal — Alluvium
Stream alluvium, alluvial cover, and some pediment deposits

Qpg — Pediment deposits

TERTIARY(?)

Ti — Dikes and sills of monzonite

PERMIAN

Leonard

Py, Pyu, Pym — Yeso Formation
Pyu, *upper part; includes red to gray sandstone, siltstone, and shale; some interbeds of dolomite and gypsum*
Pym, *Meseta Blanca Sandstone Member; red sandstone*

Wolfcamp

Pa — Abo Formation
Mainly dark-red arkosic conglomerate and sandstone. Lines indicate lenticular beds of limestone

Pb — Bursum Formation
Interbedded red arkosic sandstone, shale, and marine limestone. Lines indicate tongues of marine limestone

Upper Pennsylvanian

IPmu, IPml — Madera Formation
IPmu, *upper member; interbedded sandstone, shale, and limestone. Lines indicate limestone beds mapped locally*
IPml, *lower member; gray marine limestone; minor interbeds of gray shale*

Middle Pennsylvanian

IPs — Sandia Formation
Sandstone, shale, and limestone

PENNSYLVANIAN / **CARBONIFEROUS**

Middle Ordovician

Om — Upham Dolomite Member of the Montoya Dolomite
Gray crystalline dolomite

Lower Ordovician

Oe — El Paso Dolomite
Olive to gray sandy dolomite

Upper Cambrian

OCb — Bliss Sandstone
Dark-brown to gray calcareous sandstone

ORDOVICIAN

PRECAMBRIAN CAMBRIAN

pCd — Diorite

pCg — Granite

Contact, showing dip

Fault
Dashed where approximately located; dotted where concealed. Bar and ball on downthrown side

Lineament or fault observed on aerial photograph
Not observed on ground

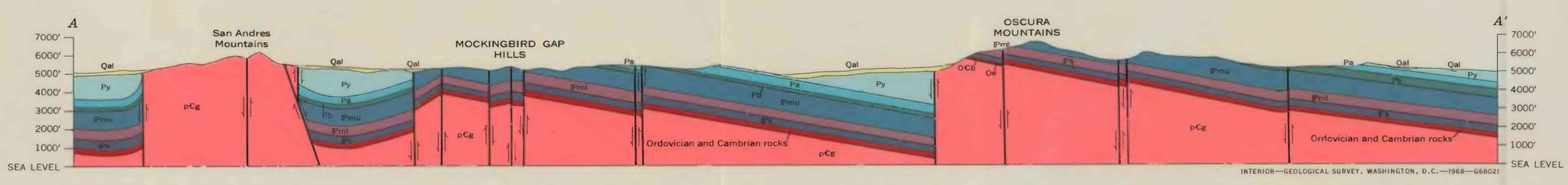
Anticline
Showing trace of axial plane

Syncline
Showing trace of axial plane. Dotted where concealed

10
Strike and dip of beds

58
Strike and dip of major joint system in granite

Zone of brecciation



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1968—G68021

GEOLOGIC MAP AND SECTION OF THE MOCKINGBIRD GAP QUADRANGLE, NEW MEXICO