PLATE I

GEOLOGIC MAP OF THE BOUSE HILLS, WEST-CENTRAL ARIZONA

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ARIZONA GEOLOGICAL SURVEY OPEN-FILE REPORT 90-9

SCALE 1:24,000

MAP UNITS

Sedimentary and Volcanic Rocks

Qs	SURFICIAL DEPOSITS (QUATERNARY)	
QPc	CALICHE-CEMENTED TALUS BRECCIA (PLIOCENE OR QUATERNARY)	
Tm	MAFIC VOLCANIC ROCKS	(MIOCENE)
Tslt	SILTSTONE AND SANDSTONE	(MIOCENE)
Tct	CONGLOMERATE AND TALUS BRECCIA	(MIOCENE)
Thb	HORNBLENDE-BIOTITE TUFF	(MIOCENE)
Thbw	WELDED HORNBLENDE-BIOTITE TUFF	(MIOCENE)
Tuf	UPPER FELSIC VOLCANIC UNIT	(MIOCENE)
Tuft	TUFFACEOUS UPPER FELSIC VOLCANIC UNIT	(MIOCENE)
Ti	INTERMEDIATE TO MAFIC VOLCANIC ROCKS	(MIOCENE)
Tis	SEDIMENTARY ROCKS ASSOCIATED WITH MAP UNIT Ti	(MIOCENE)
Tmf	MEDIAL FELSIC VOLCANIC UNIT	(MIOCENE)
Tfp	FELDSPAR PORPHYRY	(MIOCENE)
Tta	TUFF AND ANDESITE	(MIOCENE)
Tab	ANDESITE TO BASALT	(LATE OLIGOCENE TO EARLY MIOCENE)
Tlc	LITHIC AND CRYSTAL TUFF	(LATE OLIGOCENE TO EARLY MIOCENE)
Tx	BRECCIA	(LATE OLIGOCENE TO EARLY MIOCENE)
Tt	TUFFS	(LATE OLIGOCENE TO EARLY MIOCENE)
Tl	LACUSTRINE ROCKS	(LATE OLIGOCENE TO EARLY MIOCENE)
Tba	BASAL ARKOSE	(LATE OLIGOCENE TO EARLY MIOCENE)
Tvu	VOLCANIC AND SEDIMENTARY ROCKS, UNDIVIDED	(LATE OLIGOCENE TO EARLY MIOCENE)

Intrusive and Metamorphic Rocks

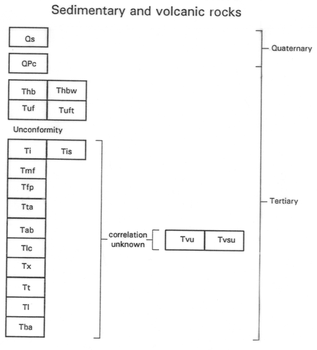
Tdm	MAFIC DIKES (MIOCENE)
Tds	SILICIC DIKES (MIOCENE)
Tg	GRANITOID ROCKS (MIOCENE)
Tdi	INTERMEDIATE DIKES (TERTIARY)
TXg	GRANITOID ROCKS (TERTIARY TO PROTEROZOIC)
TXgd	GRANODIORITE TO DIORITE (TERTIARY TO PROTEROZOIC)
TXc	CRYSTALLINE ROCKS (TERTIARY TO PROTEROZOIC)
XYg	GRANITOID ROCKS OF THE NORTHWESTERN GRANITE WASH MOUNTAINS (PROTEROZOIC X or Y)
Xs	SCHIST (PROTEROZOIC X)

MAP SYMBOLS

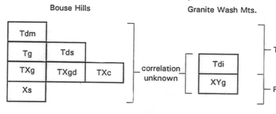
- INTRUSIVE OR SEDIMENTARY CONTACT -- Dashed where approximately located.
- INTRA-UNIT CONTACT OR MARKER BED
- 45 055 FAULT -- Showing dip of fault surface and trend of striations within fault surface. Dashed where approximately located, dotted where concealed.
- 25 NORMAL FAULT -- Bar and ball on downthrown side; dotted where concealed.
- 6 LOW-ANGLE FAULT -- Showing dip of fault surface; hachures on hanging-wall block.
- 28 STRIKE AND DIP OF BEDDING
- HORIZONTAL BEDDING
- 30 064 STRIKE AND DIP OF FOLIATION AND TREND OF LINEATION -- Flow or flattening foliation in volcanic rocks, crystalloblastic foliation or gneissic layering in crystalline rocks.
- 35 STRIKE AND DIP OF SPACED FRACTURES
- STRIKE OF VERTICAL SPACED FRACTURES
- CRUSHED ROCK
- CALCITE AND MANGANESE-OXIDE VEIN
- Mn MANGANESE DEPOSIT

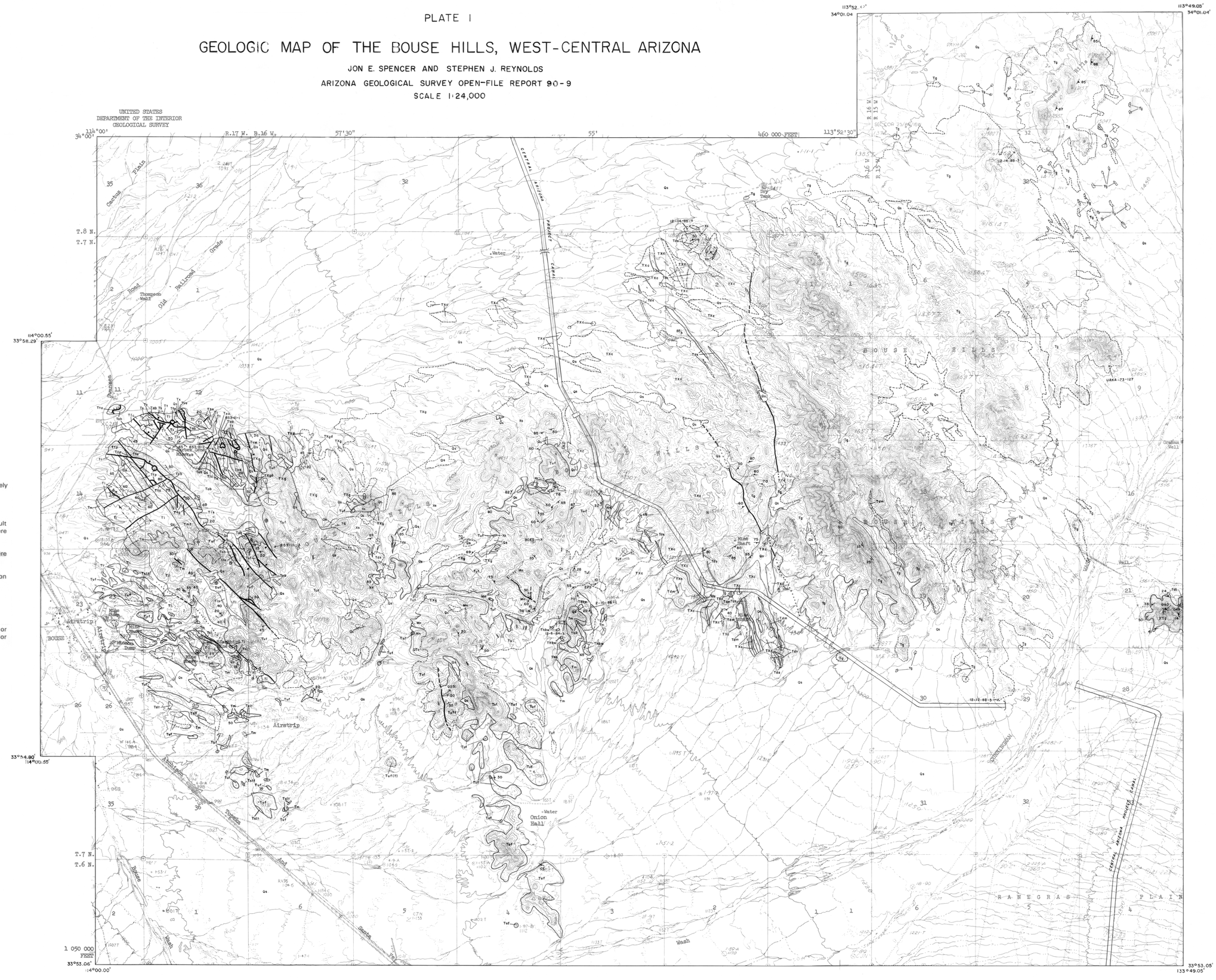
CORRELATION OF MAP UNITS

Sedimentary and volcanic rocks



Intrusive and metamorphic rocks





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TRUE NORTH
MAGNETIC NORTH
14½°
APPROXIMATE MEAN DECLINATION, 1966

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL