PLATE 1

Thomas-he-1949

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AREAL GEOLOGY
CHLORIDE DISTRICT

Unedited advance sheet
Subject to correction

ARIZONA
(MOHAVE COUNTY)
CHLORIDE QUADRANGLE

EXPLANATION

SEDIMENTARY ROCKS — QUATERNARY

Qal — SAND AND GRAVEL (detrital, basin deposits)

IGNEOUS ROCKS — QUATERNARY

OLIVINE BASALT (lava, surface flows; grey, black; scoriaceous)

BIG WASH ANDESITE — TERTIARY

Tbw — ANDESITE (light grey, vesicular, surface flows)

KINGMAN SERIES — TERTIARY

Tkr — RHYOLITE TUFF AND BRECCIA (cream to redish brown, stratified beds — some welded)

RHYOLITE DIKE (white, felsitic, strongly silicified)

ITHACA PEAK PORPHYRY — TERTIARY (?)

Tip — GRANITE PORPHYRY (fine to med. grained hypabyssal intrusive)

DIANA GRANITE — PRE-CAMBRIAN CERBAT COMPLEX

Ꞓdq — PORPHYRITIC GRANITE (coarsely porphyritic, plutonic intrusion)

METAMORPHIC AND IGNEOUS ROCKS — PRE-CAMBRIAN CERBAT COMPLEX

Ꞓu — GRANITE, SCHIST, GNEISS, ETC. (abundant gneiss, amphibole and mica schists, pegmatite and aplite dikes. Also contains numerous younger basic dikes)

MINE TAILINGS

VEIN

FAULT
U = UPTHROW SIDE
D = DOWNTHROW SIDE

FAULT CONCEALED BY LATER DEPOSITS

CONTACT

ESTIMATED CONTACT

15° T 23 N STRIKE AND DIP OF STRATIFIED ROCKS

75° STRIKE AND DIP OF SCHISTOSITY OR GNEISSIC BANDING

VERTICAL SCHISTOSITY OR GNEISSIC BANDING

Topography by J. M. Holmes, Lawrence Hankins, Chester Lloyd, and William Knox
Surveyed in 1939

TRUE NORTH
MAGNETIC NORTH
15°
APPROXIMATE MEAN DECLINATION, 1939

Scale $\frac{1}{48000}$

Contour interval 25 feet
Datum is mean sea level

Polyconic projection. 1927 North American datum

GEOLOGY BY B.E. THOMAS
SURVEYED IN 1941

CHLORIDE, ARIZ.

N 3515—W 11400/15