

PLATE 3: Detailed Surficial Geologic Map of the Tony Tank - Growler Bend Area, Barry M. Goldwater Air Force Range, Southwestern Arizona

By
Philip A. Pearthree, Andrea K.L. Freeman, and Karen A. Demsey
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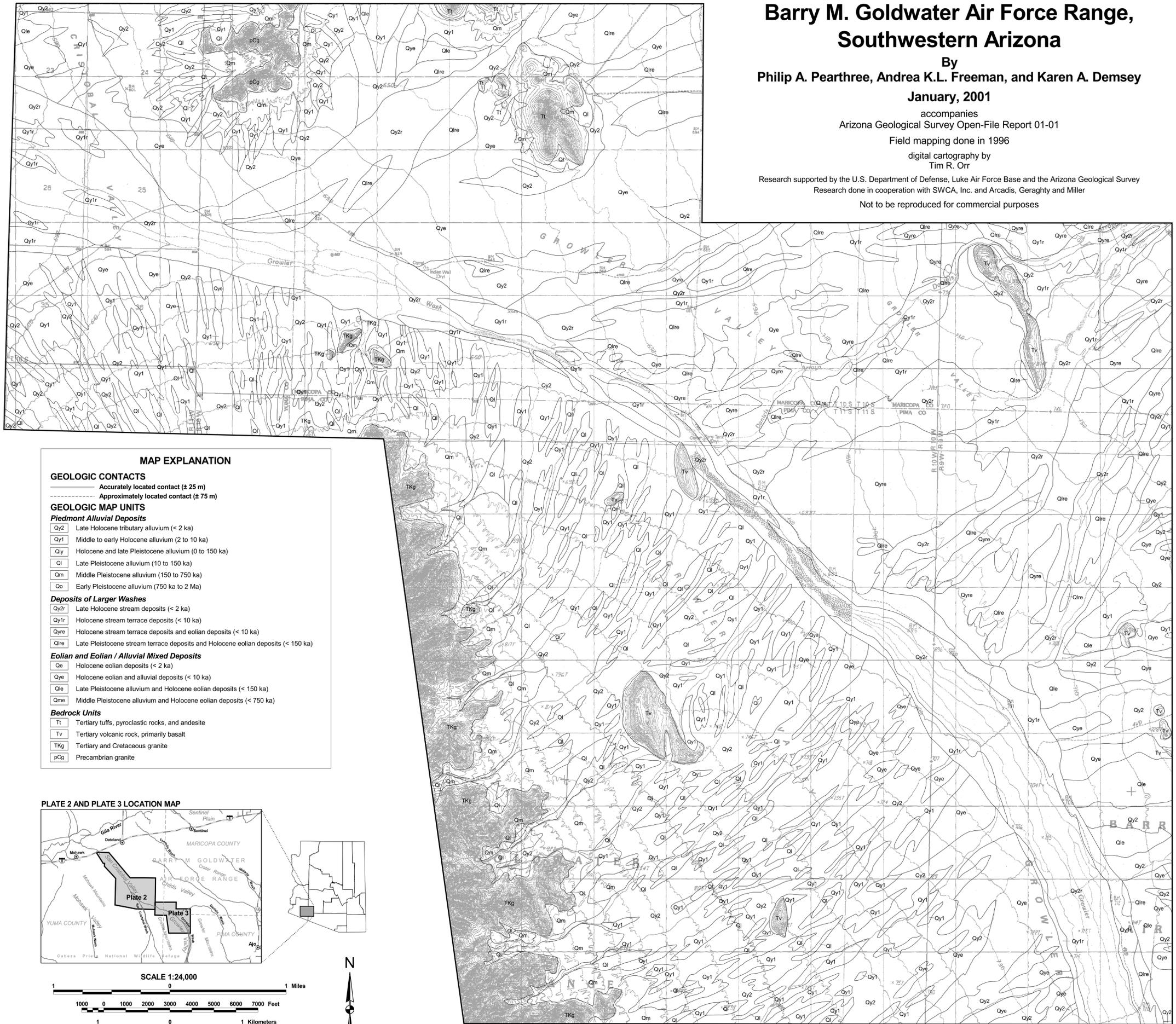
accompanies
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Field mapping done in 1996

digital cartography by
 Tim R. Orr

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MAP EXPLANATION

GEOLOGIC CONTACTS
 ———— Accurately located contact (± 25 m)
 - - - - - Approximately located contact (± 75 m)

GEOLOGIC MAP UNITS

Piedmont Alluvial Deposits

- Qy2 Late Holocene tributary alluvium (< 2 ka)
- Qy1 Middle to early Holocene alluvium (2 to 10 ka)
- Qly Holocene and late Pleistocene alluvium (0 to 150 ka)
- Ql Late Pleistocene alluvium (10 to 150 ka)
- Qm Middle Pleistocene alluvium (150 to 750 ka)
- Qo Early Pleistocene alluvium (750 ka to 2 Ma)

Deposits of Larger Washes

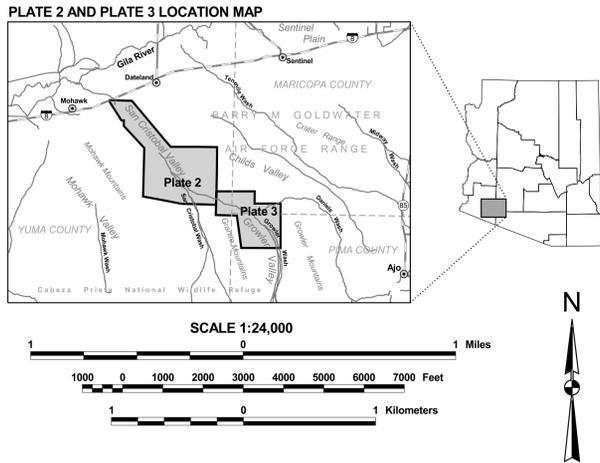
- Qy2r Late Holocene stream deposits (< 2 ka)
- Qy1r Holocene stream terrace deposits (< 10 ka)
- Qyre Holocene stream terrace deposits and eolian deposits (< 150 ka)
- Qlre Late Pleistocene stream terrace deposits and Holocene eolian deposits (< 150 ka)

Eolian and Eolian / Alluvial Mixed Deposits

- Qe Holocene eolian deposits (< 2 ka)
- Qye Holocene eolian and alluvial deposits (< 10 ka)
- Qle Late Pleistocene alluvium and Holocene eolian deposits (< 150 ka)
- Qme Middle Pleistocene alluvium and Holocene eolian deposits (< 750 ka)

Bedrock Units

- Tt Tertiary tuffs, pyroclastic rocks, and andesite
- Tv Tertiary volcanic rock, primarily basalt
- TKg Tertiary and Cretaceous granite
- pCg Precambrian granite



Topographic base from U.S. Geological Survey Aguilas Mountains SE, Granite Mountains North, Okie Well, and West of Growler Peak 7.5' quadrangles, 1990