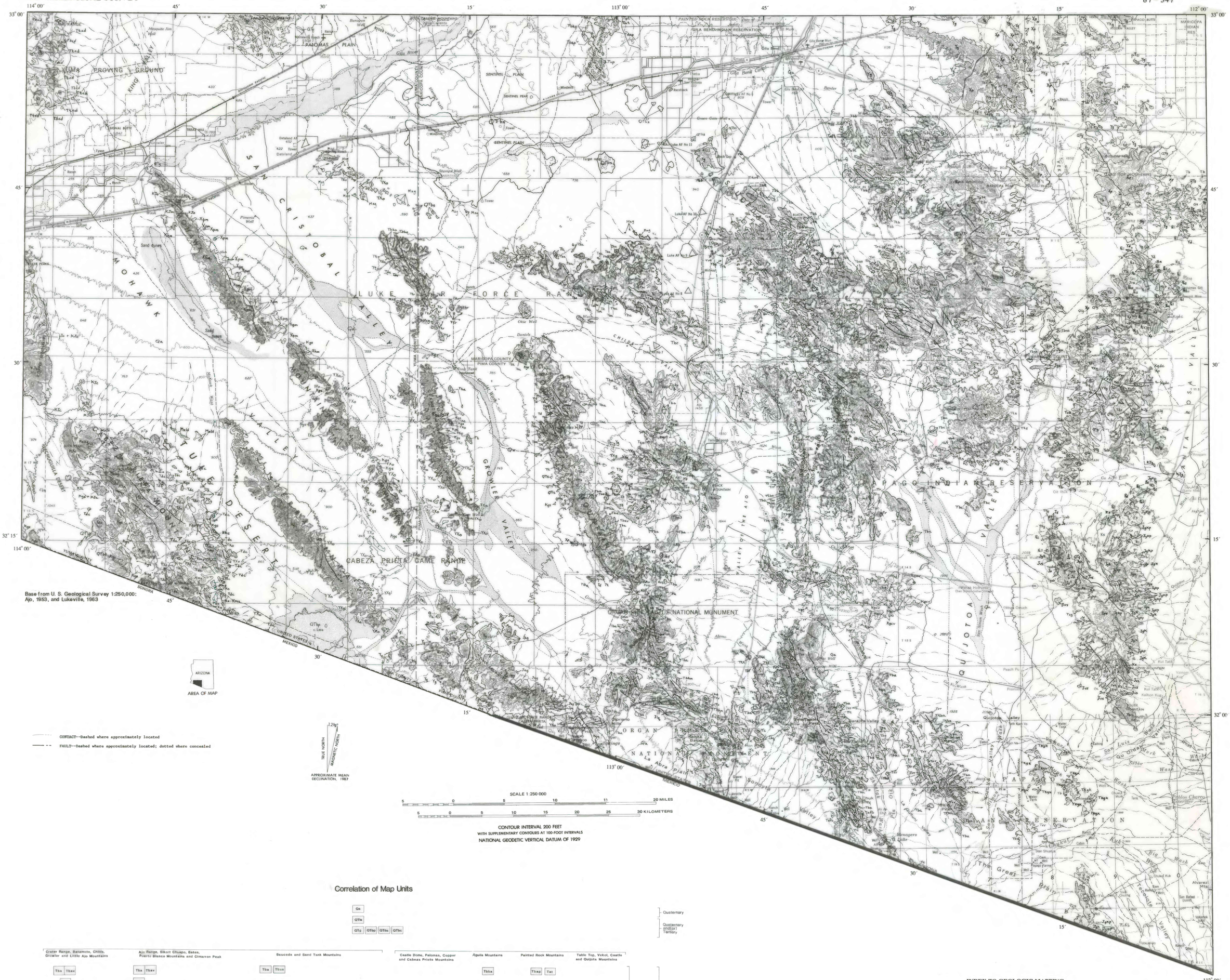
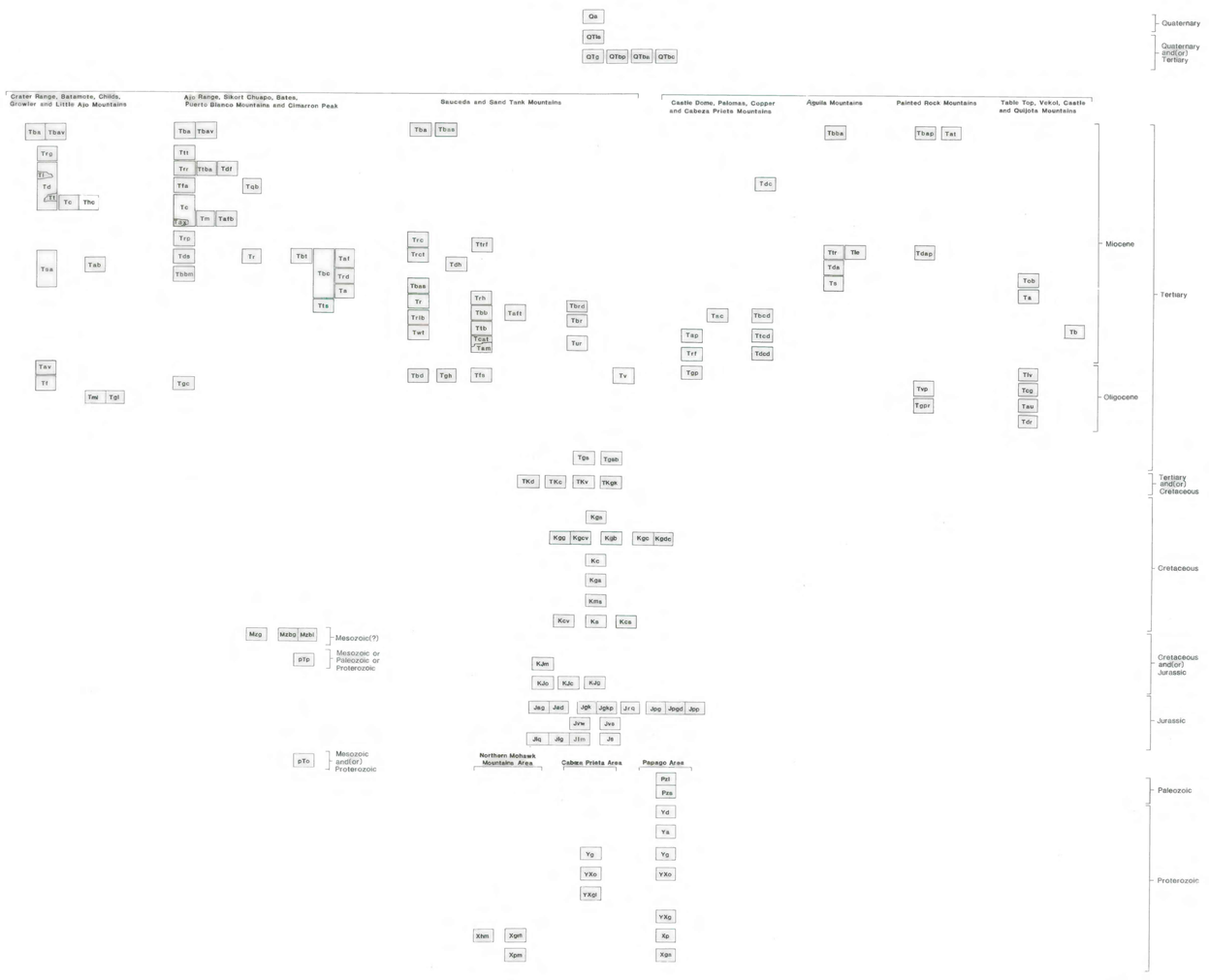
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

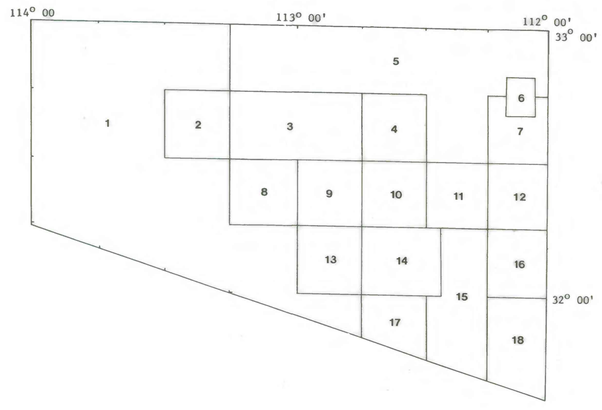
OPEN-FILE REPORT
87–347



Correlation of Map Units



INDEX TO GEOLOGIC MAPPING



1 Unpublished geologic mapping by G.B. Haxel, M.J. Grubensky, Paul Theobald, Gary Raines, and Marion Barton, mapped in 1970–1982.

2 Tucker, W.C., 1980, The geology of the Aguila Mountain Quadrangle, Yuma, Maricopa, and Pima Counties, Arizona: Arizona Geological Society Digest, v. 12, p. 111–122.

3 Gray, Floyd, Miller, R.J., and Klein, Douglas, 1984, Reconnaissance geologic and aeromagnetic map of the Crater Range, Maricopa County, southwestern Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1729, scale 1:2,500, 2 sheets.

4 Gray, Floyd, Miller, R.J., and Soll, Lottie, 1985, Reconnaissance geologic map and aeromagnetic map of the Hat Mountain Quadrangle, Maricopa County, Arizona: U.S. Geological Survey Open-File Report 85-138, scale 1:62,500.

5 Unpublished geologic mapping by Floyd Gray, R.J. Miller, Lottie Soll, Michael Coska, G.B. Haxel and M.J. Grubensky, mapped in 1980–1983.

6 Carpenter E.H., 1947, The geology and ore deposits of the Vekol Mountains Pinal County, Arizona: Stanford, Calif., Stanford University, Ph.D. dissertation.

7 Docker, R.D., and Keith, W.J., 1977, Reconnaissance geologic map of the Vekol Mountains quadrangle, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-931, scale 1:62,500.

8 Gray, Floyd, Miller R.J., Peterson, D.W., May, D.J., Tosdal, R.M., and Kahle, Katherine, 1982, Geology of the Growler Mountains, Pima and Maricopa Counties, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1681.

9a Gilluly, James, 1946, The Ajo mining district, Arizona: U.S. Geological Survey Professional Paper 209, 112 p.

9b Cox, D.P., and Ohta, Eijun, 1984, Maps showing rock types, hydrothermal alteration, and distribution of fluid inclusions in the Cornelia Pluton, Ajo mining district, Pima County, Arizona: U.S. Geological Survey Open-File Report 84-388, scale 1:62,500.

10 Unpublished geologic map of the Sikort Chuapo Mountains quadrangle by D.W. Peterson, R.J. Miller, R.A. LeVeque, Tom Young, and D.J. May, mapped in 1979–1980.

11 Unpublished geologic map of the Cimarraron Peak quadrangle by

12 Briskey, J.A., Haxel, G.B, Peterson J.A., and Theodore, T.G., 1978, Reconnaissance geologic map of the Gu Achi Quadrangle, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-965, scale 1:62,000.

13 Miller, R.J., Peterson, D.W., Tosdal, R.M., and May, D.J., Gray, Floyd, 1989, Reconnaissance geologic map of the Kino Peak 15' quadrangle, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map, scale 1:62,500 [in press].

14 Tosdal, R.M., Peterson, D.W., May, D.J., LeVeque, R.A., and Miller, R.J., 1986, Reconnaissance geologic map of the Mount Ajo and part of the Pisinimo Quadrangle, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map, MF-1820, scale 1:62,500.

15 Unpublished geologic mapping by D.W. Peterson, R.J. Miller, R.A. LeVeque, Tom Young and D.J. May, mapped in 1979–1980.

16 Rytuba, J.J., Till, A. R., Blair, Will, and Haxel, G.B., 1978, Reconnaissance geologic map of the Quigotoa Mountains Quadrangle, Pima County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-937, scale 1:62,500.

17 Unpublished geologic map of the Diaz Peak quadrangle, Pima County, Arizona by D.J. May, D.W. Peterson, R.A. LeVeque, and R.M. Tosdal, scale 1:62,500.

18 Unpublished geologic mapping by G.B. Haxel, M.J. Grubensky, mapped in 1977–1979.

PRELIMINARY GEOLOGIC MAP OF THE AJO AND LUKEVILLE 1° BY 2° QUADRANGLES, ARIZONA

BY

Floyd Gray, Robert J. Miller, Michael J. Grubensky, Richard M. Tosdal, Gordon B. Haxel, Donald W. Peterson, Daniel J. May, and Leon T. Silver

1988

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.