PLATE 1

# Geology of the Sierra Estrella, Arizona

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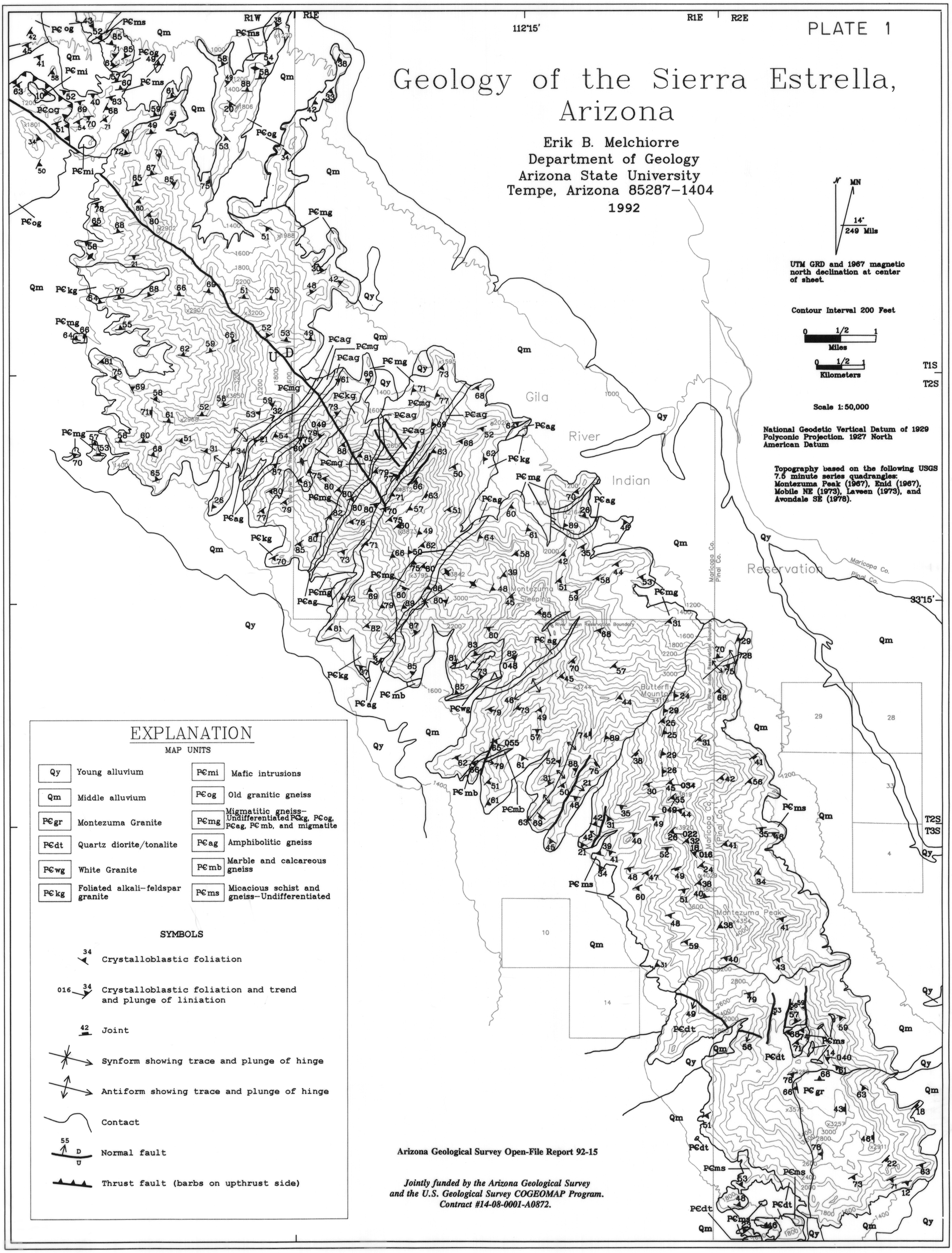
1992




N MN
14°
249 Mils

UTM GRD and 1967 magnetic north declination at center of sheet.

Contour Interval 200 Feet

0 1/2 1 Miles

0 1/2 1 Kilometers

Scale 1:50,000

National Geodetic Vertical Datum of 1929
Polyconic Projection. 1927 North American Datum

Topography based on the following USGS 7.5 minute series quadrangles: Montezuma Peak (1967), Enid (1967), Mobile NE (1973), Laveen (1973), and Avondale SE (1978).

## EXPLANATION

MAP UNITS

| | | | |
|---|---|---|---|
| Qy | Young alluvium | P€mi | Mafic intrusions |
| Qm | Middle alluvium | P€og | Old granitic gneiss |
| P€gr | Montezuma Granite | P€mg | Migmatitic gneiss–Undifferentiated P€kg, P€og, P€ag, P€mb, and migmatite |
| P€dt | Quartz diorite/tonalite | P€ag | Amphibolitic gneiss |
| P€wg | White Granite | P€mb | Marble and calcareous gneiss |
| P€kg | Foliated alkali-feldspar granite | P€ms | Micacious schist and gneiss–Undifferentiated |

SYMBOLS

- 34 — Crystalloblastic foliation
- 016 34 — Crystalloblastic foliation and trend and plunge of liniation
- 42 — Joint
- Synform showing trace and plunge of hinge
- Antiform showing trace and plunge of hinge
- Contact
- 55 D U — Normal fault
- Thrust fault (barbs on upthrust side)

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