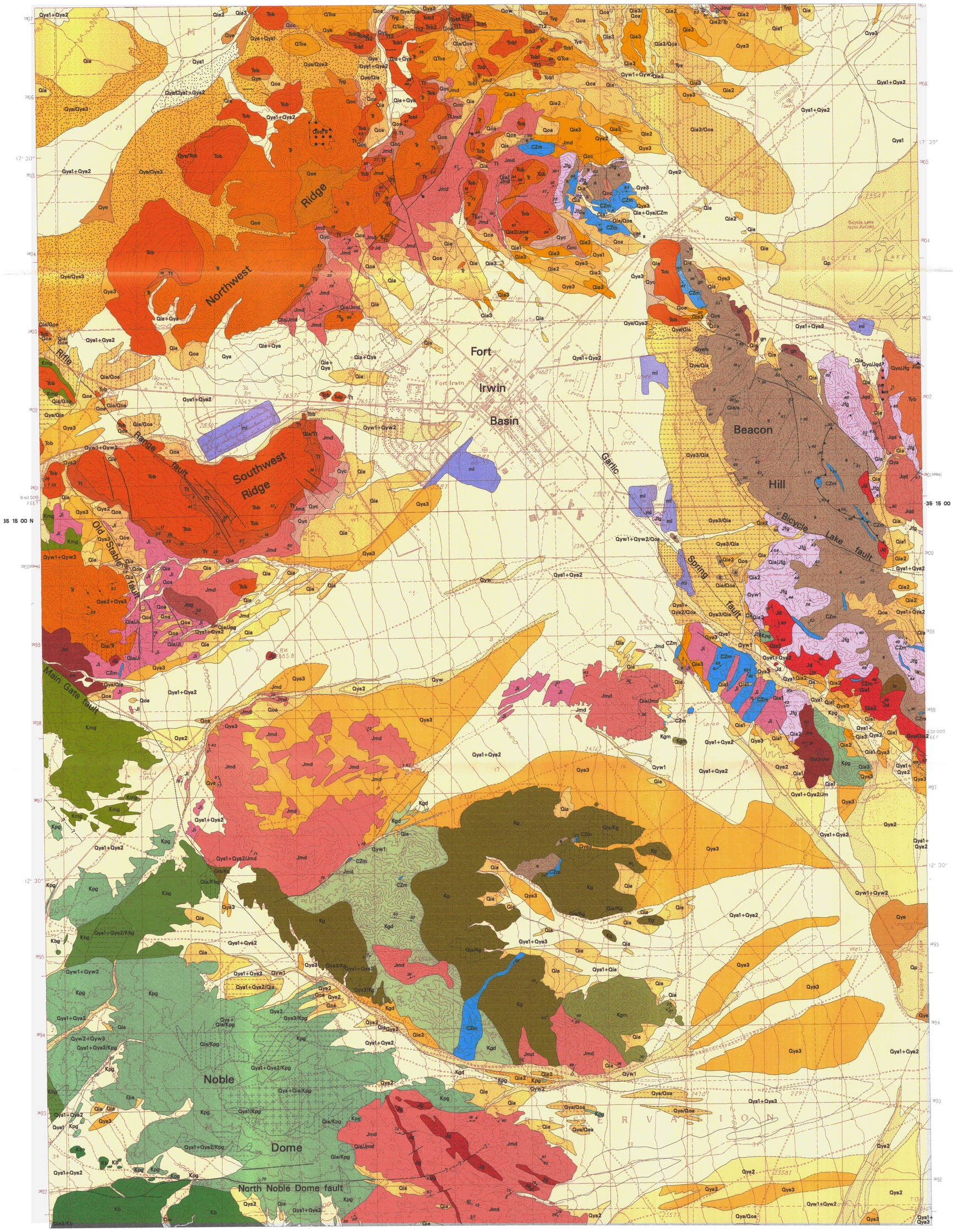
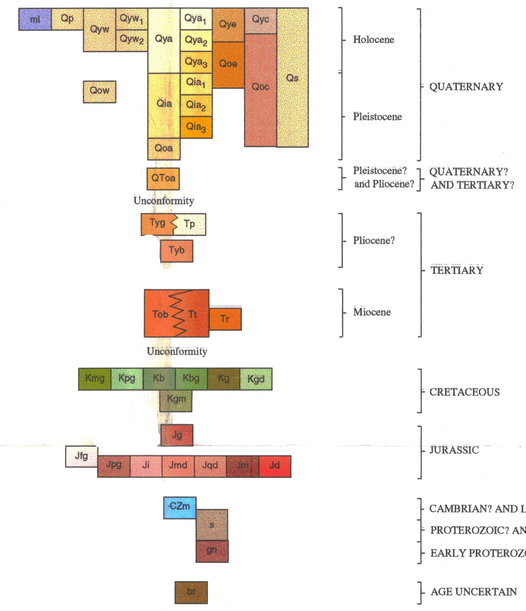
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared under Interagency Agreement between the
U.S. Geological Survey and the
U.S. Army National Training Center, Fort Irwin

OPEN-FILE REPORT 94-173
(Accompanied by summary pamphlet)



CORRELATION OF MAP UNITS



EXPLANATION

Thin veneers of surficial materials

- **Qya over another unit**
- **Qia over another unit**
- **Qoa over another unit**
- **Qye or Qoe over another unit**
- **Qyc or Qoc over another unit**
- **Qyw over another unit**
- **Qya + Qia over another unit**

- **Contact**—Dashed where location uncertain, dotted where covered
- **High-angle fault**—Dashed where location inferred, dotted where concealed; arrows indicate relative sense of separation on mainly stike-slip fault; dip of plane indicated (65)
- **Thrust fault**—Dashed where location inferred, dotted where concealed; barbs on hanging wall

Orientation of bedding

- (12) **Inclined**

Orientation of foliation

- (18) **Inclined**
- **Vertical**

- (27) **Lineation**—Showing trend and plunge
- (19) **Mylonitic lineation**—Showing trend and plunge
- (56) **Striation on fault**—Showing trend and plunge
- (37) **Minor fold axis**—Showing trend and plunge
- **Dessication crack**
- **Dike**—Muscovite pegmatite dike in Beacon Hill; rhyolite dike in ranges northeast of Noble Dome

Base from U.S. Geological Survey,
Fort Irwin, 1986 and Langford Well, 1986
7.5 minute quadrangles
Lambert Conformal Conic projection

APPROXIMATE MEAN DECLINATION, 1994

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 40 FEET

QUADRANGLE LOCATION

Geologic mapping by the authors 1991-1993.
GIS by J.S. Fenton and T.J. Felger
Prepared under Interagency Agreement between the U.S. Geological Survey and the U.S. Army National Training Center, Fort Irwin MIPR DPW-014-93

PRELIMINARY GEOLOGIC MAP OF FORT IRWIN BASIN, NORTH-CENTRAL MOJAVE DESERT, CALIFORNIA

by

James C. Yount, Elizabeth R. Schermer, Tracey J. Felger, David M. Miller, and Kirk A. Stephens

1994

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

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