DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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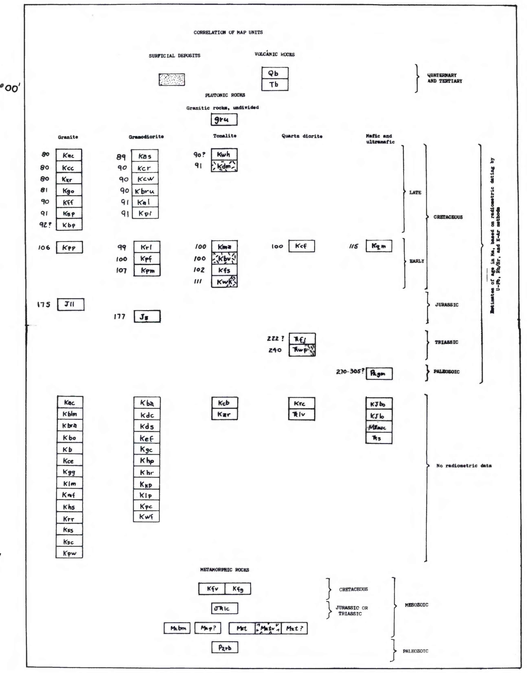

EXPLANATION

CONTACT, dotted where concealed (location of most contacts uncertain, however, for simplification, solid lines used for all "mapped" contacts)

FAULT, dashed where uncertain, dotted where concealed

Limit of area of granitic rocks, undivided in northcentral part of the map area

Metamorphic foliation (commonly reflects original layering)

Granitic foliation (mostly primary)

Shear foliation (Mostly metamorphosed deformed metamorphic and igneous rocks along the Kern Canyon fault zone. Also includes protomylonitic deformation and discrete shear zones in some granitic units)

Dikes (Mostly lamprophyric and probably part of the Independence dike swarm of Moore and Hopson, 1961)

Dark photoluminescents delineated by Duffield and Bacon (1981) in the granite of Isabella Lake (probably dikes of the Independence dike swarm)

Location of field station where an obvious structure noted (commonly model or thin section samples)

Location of thin sections and field notes from the Goodie Mountains (J.L. Berner and J. F. Smith, written comm., 1985)

Marble
Mappable beds of marble in several metasedimentary belts. Particularly common in the main Long Canyon body south of Isabella Lake and in the Fairview belt near the north map margin.

RECONNAISSANCE GEOLOGIC MAP OF THE SOUTHERN SIERRA NEVADA, KERN, TULARE, AND INYO COUNTIES, CALIFORNIA

by

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1990

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