DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS
FIELD STUDIES MAP MF-516

Base by U.S. Geological Survey, 1957

SCALE 1:48 000

1 0 1 2 3 Miles
1000 500 0 1000 2000 3000 4000 Meters

APPROXIMATE MEAN DECLINATION, 1970

QUADRANGLE LOCATION

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C.-1959
MR 5419

PRELIMINARY LITHOLOGIC MAP, COLYEAR SPRINGS QUADRANGLE, CALIFORNIA

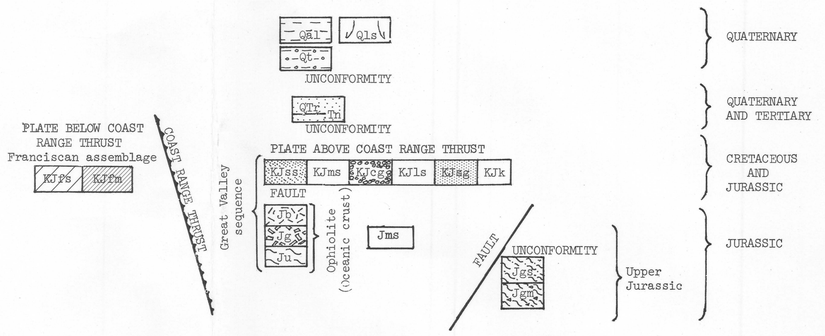
by

Edgar H. Bailey and David L. Jones

1973

☆ GPO 791-684

CORRELATION OF MAP UNITS



62
CONTACT, SHOWING DIP
Dashed where inferred

FAULT
Dashed where inferred; dotted where concealed.
Arrows show direction of relative movement

THRUST FAULT
Sawteeth on upper plate

MINOR ANTICLINE, OVERTURNED

23 Inclined — Horizontal
BEARING AND PLUNGE OF MINOR FOLD AXIS
May be combined with foliation symbols

17
BEARING AND PLUNGE OF GLAUCOPHANE PRISMS

43 Inclined — Horizontal — 90 Vertical — 85 Overturned
STRIKE AND DIP OF BEDS

75 Inclined — Horizontal — 90 Vertical
STRIKE AND DIP OF FOLIATION

85
SANDSTONE DIKE, SHOWING DIP

SHEARED ROCK

QUARRY

CAVED ADIT

DESCRIPTION OF MAP UNITS

Qal ALLUVIAL DEPOSITS Chiefly unconsolidated stream and river deposits of gravel and sand

Qls LANDSLIDE DEPOSITS

Qt TERRACE DEPOSITS Chiefly unconsolidated boulder gravel and sand

QTr RED BLUFF (PLEISTOCENE) AND TEHAMA (PLIOCENE) FORMATIONS, UNDIFFERENTIATED Chiefly poorly consolidated sandstone, conglomerate, and siltstone

Tn-v NOMLAKI TUFF MEMBER OF TEHAMA FORMATION (PLIOCENE) White to pink pumiceous dacitic tuff

GREAT VALLEY SEQUENCE

KJss SANDSTONE Fine- to coarse-grained, in beds 6 inches to 4 feet or more thick; minor interbedded mudstone, siltstone, and grit. Forms prominent topographic ridges

KJms MUDSTONE Dark-gray, mainly hackly fractured, with minor tan siltstone and sandstone. Limestone nodules, lenses, and thin beds locally abundant. Forms valleys

KJcg CONGLOMERATE Contains minor sandstone and siltstone; clasts range from small pebbles to boulders in beds 2 feet to 20 feet or more thick. Forms topographic ridges

KJls LIMESTONE Mottled brown and white, gray-weathering, recrystallized, fossiliferous

KJsg SANDSTONE, MUDSTONE, AND GRIT Rhythmically interbedded beds 1 foot to 6 feet thick; carbonaceous debris locally abundant. Beds have no prominent topographic expression

KJk KERATOPHYRE Small intrusive bodies in and near Cold Fork fault zone

OPHIOLITE AT BASE OF GREAT VALLEY SEQUENCE

Jb BASALT Fragmental, pillowed, or massive

Jg GABBRO Fine- to medium-grained

Ju ULTRAMAFIC ROCKS Chiefly serpentinized harzburgite; minor pyroxenite

Jms METASEDIMENTARY ROCKS Includes metagraywacke and phyllite, structurally incorporated with ophiolite

FRANCISCAN ASSEMBLAGE

KJfs SOUTH FORK MOUNTAIN SCHIST Fine-grained foliated metasedimentary rock (textural zone III of blueschist facies) containing abundant quartz veins

KJfm METAVOLCANIC ROCK Blueschist including metatuff and massive metabasalt. Includes Chinquapin Metabasalt Member of South Fork Mountain Schist

GALICE(?) FORMATION

Jgs METASEDIMENTARY ROCKS, PHYLLITE, AND MINOR METAGRAYWACKE

Jgm METAVOLCANIC ROCKS Mainly fragmental andesite(?)

For sale by U. S. Geological Survey, price $.50