UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 698
PLATE I

MAP SHOWING GENERALIZED GEOLOGY AND SAMPLE LOCATIONS IN THE GRANITIC AND GNEISSIC ROCKS, CENTRAL AND SOUTHERN COAST RANGES, CALIFORNIA

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 30 35 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

SAMPLE LOCALITIES

139A — Modal analysis

1104

CP-2-1 — Compton (1966)

P-135 — Pearson (unpub. data)

Other

Santa Lucia Range

Chemical analysis

Sample or other information

Dredged sample (Cordell Bank)

Note: Areas relatively well sampled and described in text are shown by solid colors. Areas for which fewer data were collected are shown by line patterns.

TAYLOR RANCH
Area described in text

Note: Dot-enclosed area in northern Santa Lucia Range is the Ventana Cone area studied in detail by Wiebe (1970). That in southern Santa Lucia Range is the Junipero Serra area studied in detail by Compton (1966).

LOGAN

LOGAN QUARRY

SJB-2

SJB-1

Hornblende quartz gabbro of Logan

Anorthositic gabbro of Logan

NYLAND QUARRY

BODEGA HEAD

Mussel Point

Bodega Head

Bodega Harbor

Horseshoe Bay

Bodega Rock

POINT REYES

CORDELL BANK

Granitic basement rocks dredged from sea floor

FARALLON ISLANDS

Sugar-Loaf Island

Fisherman's Bay

Meiggs Bay

West End

East Landing

Southeast Farallon Island

Seal Rock

MONTARA MOUNTAIN

SANTA LUCIA RANGE

GABILAN RANGE

BEN LOMOND

VARIAN RANCH

STOCKDALE MOUNTAIN

TAYLOR RANCH

GOLD HILL

Anorthositic gabbro of Gold Hill

Hornblende quartz gabbro of Gold Hill

Gold Hill

Marble

Cholame Ranch

ADELAIDA

RED HILLS

LA PANZA RANGE

BARRETT RIDGE

Alaskite

Quartzite

SAN JUAN CREEK

CENTRAL COAST RANGES

SOUTHERN COAST RANGES

SAN ANDREAS FAULT

SAN GREGORIO FAULT

HOSGRI FAULT

RINCONADA FAULT

SAN SIMEON-HOSGRI FAULT

RED HILLS FAULT

CARIZZO PLAIN

SALINIAN BLOCK

FRANCISCAN ASSEMBLAGE

HUNTER LIGGETT MILITARY RESERVATION

PACIFIC OCEAN

SAN FRANCISCO

Base from U.S. Geological Survey
Santa Rosa, 1944; San Francisco, 1956;
San Jose, 1945; Santa Cruz, 1956;
San Luis Obispo, 1956; Bakersfield, 1944

Geology largely from Koenig (1963), Jennings and Burnett (1961), Rogers (1966), Jennings and Strand (1959), and Jennings (1959)

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