UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1230-A
PLATE 1

EXPLANATION

TERTIARY

Miocene or younger

Ti — Intrusive igneous rocks

Miocene

Tm — Sandstone, claystone, and shale

UNCONFORMITY

Eocene

Te — Sandstone, conglomerate, and siltstone

Tsb — Sierra Blanca Limestone of Nelson (1925)

UNCONFORMITY

CRETACEOUS

Upper Cretaceous

Ks — Sandstone, siltstone, and conglomerate

Contact

Fault

*Ball on downthrown side; arrows show relative horizontal movement*

60 Strike and dip of beds

Crest of anticline

Trough of syncline

x Prospect

R. 29 W. R. 28 W. R. 27 W. R. 26 W.

T. 10 N. T. 9 N. T. 8 N. T. 7 N. T. 6 N.

120°00′ 119°52′30″ 119°45′ 119°37′30″

34°52′30″ 34°45′ 34°37′30″

Bald Mountain El. 4087

San Rafael Mtn El. 6593

Samon Peak El. 6222

Big Pine Mtn

The Pines Camp

Forester

Lookout Tower

HURRICANE DECK SYNCLINE

NACIMIENTO(?) FAULT

MISSION PINE ANTICLINE

BIG PINE FAULT

HILDRETH FAULT

MADULCE SYNCLINE

Wellman Canyon · Water Canyon · Oak Canyon · Bell Canyon · Horse Canyon · Hurricane Canyon · Big Bend Canyon · Leap Canyon · Sweetwater Canyon · Jackson Trail · Hurricane Deck Trail · Manzana Trail · Whites Ledge Canyon · Sulphur Spring Canyon · Fish Creek · Manzana Creek · Forbeers Canyon · Monzana Creek · Cliff Canyon · Logan Canyon · Judell Canyon · Rattlesnake Canyon · Falls Canyon · Big Pine Canyon · Mission Pine Trail · Grassy Cove Creek · West Fork Santa Cruz Creek · East Fork Santa Cruz Creek · Siuslaw River · South Fork Siuslaw River

A — A′

MISSION PINE ANTICLINE · HURRICANE DECK SYNCLINE · NACIMIENTO(?) FAULT · BEND IN SECTION

8000′ 6000′ 4000′ 2000′ 0

Base map compiled from U.S. Geological Survey quadrangle maps.
Primitive area boundary from U.S. Forest Service

Geology mapped by J.G. Vedder, H.D. Gower, H.E. Clifton, D.L. Durham, E.E. Brabb, and T.W. Dibblee, Jr., 1965

# RECONNAISSANCE GEOLOGIC MAP OF THE SAN RAFAEL PRIMITIVE AREA, CALIFORNIA

SCALE 1:96000

2 1 0 2 4 6 MILES

2 1 0 2 4 6 KILOMETERS