DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT 79-375

Contact
dashed where gradational or approximately located

Fault
dashed where inferred; dotted where concealed; double parallel arrows indicate strike-slip movement

anticline syncline
Axis of fold

30 inclined
vertical
70 overturned
Strike and dip of strata

inclined
Strike and dip of foliation

Abandoned test hole drilled for oil or gas
sandstone bed
conglomerate bed

Geology by
Thomas W. Dibblee 1974; and with Tor H. Nilsen, 1976, and Earl E. Brabb, 1978, on San Juan Grade and San Juan Canyon and northward to San Andreas fault. In part modified from Allen, J.A., 1946, Geology of the San Juan Bautista quadrangle, California: California Division of Mines Bulletin 133; and Castro, M.J., 1967, Geology and oil potential of area west of San Juan Bautista, California: in 1967 Guidebook Gabilan Range and adjacent San Andreas fault: Pacific Section AAPG-SEPM P. 81-86 (north part)

Qg / Qls / Qal
Surficial deposits
Qg; sand and gravel of major stream channels
Qal; alluvium
Qls; landslide debris [1]

Qoa
Older alluvium

UNCONFORMITY

Qa
Aromas Sand
Eolian Sand

QTs
Santa Clara Formation
Valley sand and gravel

Te
Etchegoin Formation
Marine sandstone and claystone

Tvd
Dacitic volcanic rocks
Lava flows and flow-breccias; minor sedimentary and volcaniclastic rocks

Tz
Zayante Sandstone
Nonmarine greenish to red arkosic sandstone, claystone and conglomerate of granitic schist and marble detritus; minor claystone, and local marine sandstone and siltstone

Tvq
Vaqueros Sandstone
[Pinecate Formation of Allen, (1946)]
Marine arkosic sandstone

Tsl
San Lorenzo Formation
[San Juan Bautista Formation of Allen, (1946), part]
Marine siltstone and claystone, minor sandstone

Tbu
Unnamed Formation
Marine micaceous clay shale; a few thin sandstone beds

UNCONFORMITY

gr / gb
Granitic rocks
gr; primarily granodiorite, quartz diorite
gb; anorthositic gabbro

ml / ms
Metasedimentary rocks (pendant remnants within granitic rocks)
ml; marble
ms; mica schist, some hornblende schist

QUATERNARY: Holocene; Pleistocene
TERTIARY: Pliocene; Miocene?; Oligocene?; Eocene?
MESOZOIC; MESOZOIC OR OLDER

SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

SAN JUAN BAUTISTA, CALIF.
SE/4 SAN JUAN BAUTISTA 15' QUADRANGLE

PRELIMINARY GEOLOGIC MAP OF THE SAN JUAN BAUTISTA QUADRANGLE, SAN BENITO AND MONTEREY COUNTIES, CALIFORNIA

By Thomas W. Dibblee, Jr., Tor H. Nilsen, and Earl E. Brabb

1979