

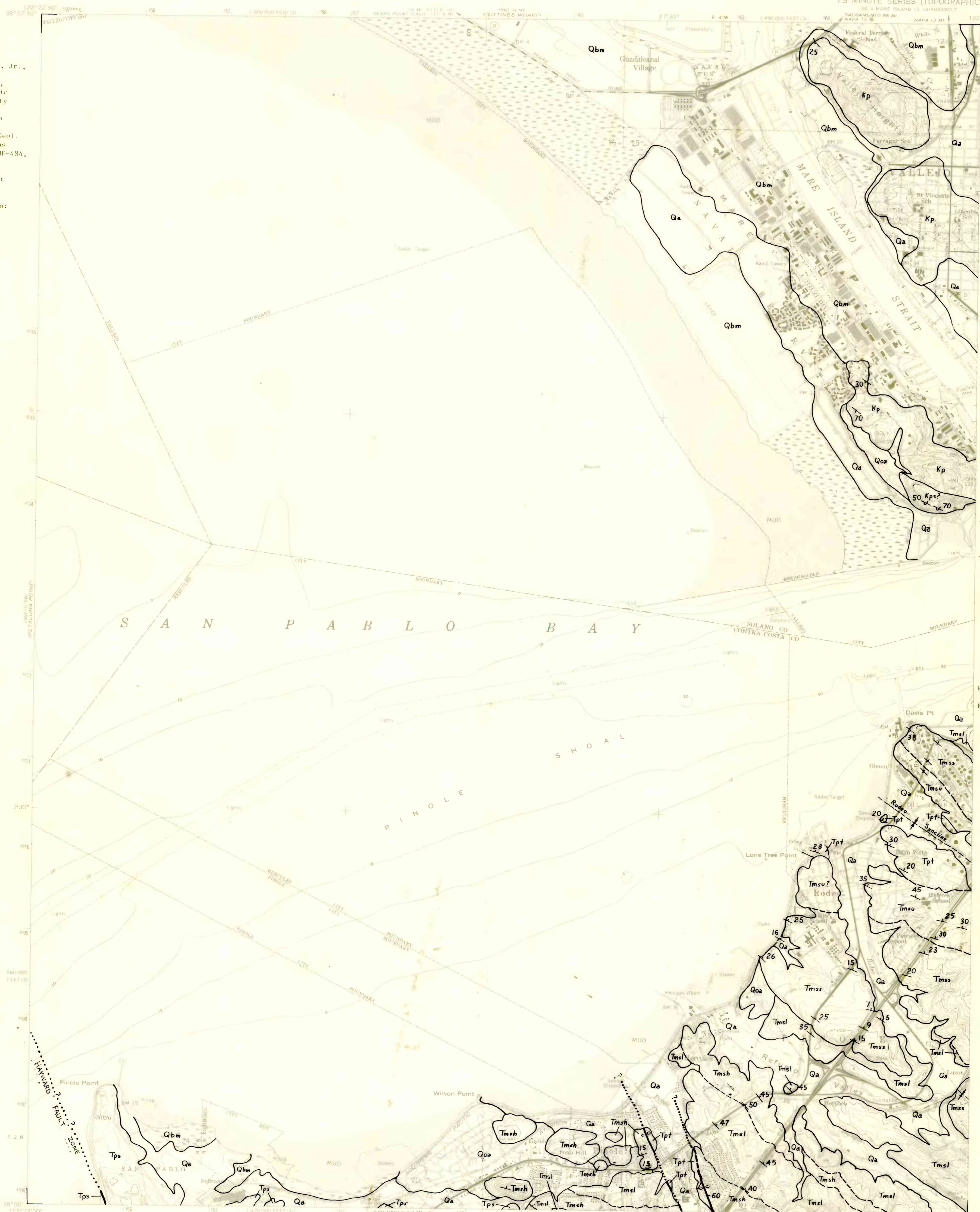
UNITED STATES GEOLOGICAL SURVEY

MARE ISLAND QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

References cited:

Sims, J.D., Fox, K.F., Jr., Bartow, J.A., and Helley, E.J., 1973, Preliminary geologic map of Solano County and parts of Napa, Contra Costa, Marin and Yolo Counties, California: U.S. Geol. Survey Miscellaneous Field Studies Map MF-484, scale 1:62,500.

Weaver, C.E., 1949, Geology of the coast ranges immediately north of the San Francisco Bay region: Geol. Soc. Amer. Memoir 35, 242 p., scale 1:62,500.



Geological Legend

Surficial deposits (Holocene)

- Qaf: man-made fill
- Qbm: bay mud
- Qa: alluvium

Unconformity (Pleistocene)

- Qoa: Older alluvium

Nonmarine sedimentary and volcanic rocks (Pliocene)

- Tps: Orinda Formation, claystone, sandstone, and pebble conglomerate
- Tpt: Pinole Tuff, pumiceous tuff breccia

Marine sedimentary rocks (Miocene)

- Tmsu: sandstone, bluish-gray, massive, locally pebbly
- Tmss: sandstone, buff, massive, arkosic, locally fossiliferous
- Tmsl: siltstone and claystone, light gray, massive, locally sandy
- Tmsh: shale or mudstone, gray-white, silty, siliceous or diatomaceous, massive to shaly

Panoche Formation (Upper Cretaceous)

- Kps: arkosic sandstone, buff, minor shale
- Kp: micaceous shale, minor thin sandstone beds

Contact
dashed where gradational or approximately located

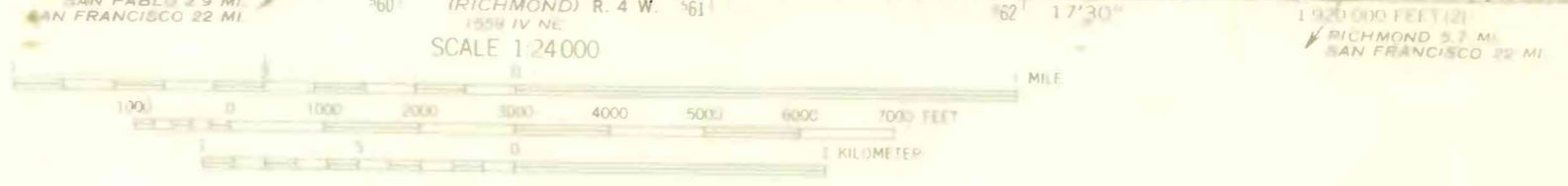
Fault
dashed where inferred; dotted where concealed; queried where existence doubtful; double arrows indicate strike-slip movement; U - upthrown side; D - downthrown side relatively

Structural Symbols

- Anticline: \curvearrowright
- Syncline: \curvearrowleft
- Axis of fold arrow on axis indicates direction of plunge
- Inclined: \diagup 30°
- Inclined (approximate): \diagup 30°
- Vertical: \diagup
- Overtured: \diagup 70°

Strike and dip of strata

Geology mapped and field checked by Thomas W. Dibblee, Jr., 1977, modified from C.E. Weaver, 1949, and J.D. Sims and others, 1973.



PRELIMINARY GEOLOGIC MAP OF THE MARE ISLAND QUADRANGLE, SOLANO AND CONTRA COSTA COUNTIES, CALIFORNIA

by
Thomas W. Dibblee, Jr.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.