

- QUATERNARY**
- Holocene
 - Qaf: manmade fill
 - Qbm: bay mud
 - Qa: alluvium
 - Qls: landslide debris
 - Pleistocene
 - Qoa: Older alluvium
 - Tps: Nonmarine sedimentary rocks
 - Tsv, Tst: Weakly indurated, clay, silt, sand, and pebble gravel (locally called Wolfskill or Tehama Formation)
- TERTIARY**
- Miocene
 - Tn, Tms, Tms: Sedimentary rocks
 - Tn: Neroly Formation, nonmarine blue to gray sandstone
 - Tms: marine sandstone (includes Briones and Cierbo Sandstones)
 - Tms: Sobrante Sandstone, pebbly, gray sandstone, marine
 - Eocene
 - Tkm, Tkn: Kreyenhagen Formation
 - Tkm: Markley Sandstone Member, tan, arkosic sandstone
 - Tkn: Nortonville Shale Member, clay shale
 - Paleocene
 - Tms: Meganos (?) Formation
 - Tms: Claystone and siltstone, sandstone locally at base
 - Upper Cretaceous
 - Kps: Panoche Formation (marine)
 - Kps: sandstone, minor shale
 - Kp: shale, micaceous, minor 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
- Anticline
 Syncline
- Axis of fold
 arrow on axis indicates direction of plunge
- Inclined
 Inclined (approximate)
 Vertical
 Overturned
- Strike and dip of strata

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Geology mapped and field checked by T.W. Dibblee, Jr., 1977; modified from C. Weaver, 1949; J. Sims and others, 1973; and H. Someman and J. Switzer, unpublished data 1961-1962.

SCALE 1:24,000

PRELIMINARY GEOLOGIC MAP OF THE PORT CHICAGO QUADRANGLE, SOLANO AND CONTRA COSTA COUNTIES, CALIF.

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