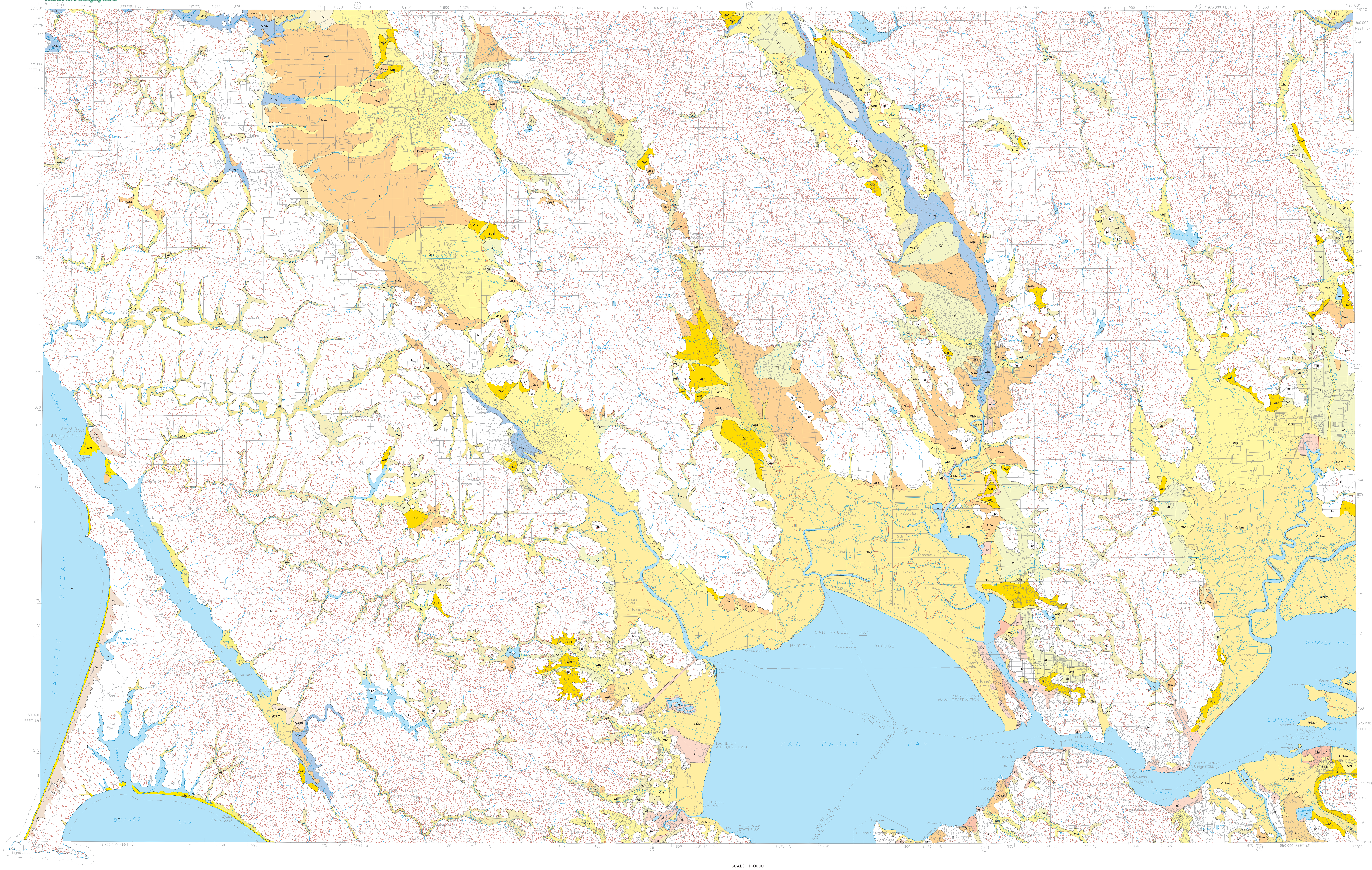
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PLOT DERIVED FROM
OPEN-FILE REPORT 98-460
SHEET 1 OF 2



Magnetic declination is 16.5 degrees east of north

EXPLANATION

GEOLOGIC UNITS

af Artificial fill

Qhbm/af Estuarine deposits with areas of artificial fill

Qhbm Estuarine deposits

Qhay Latest Holocene alluvial deposits

Qhay/Qhb Latest Holocene flood plain and basin deposits

Qhs Holocene dune and beach sand

Qhb Holocene basin deposits

Qht Holocene terrace deposits

Qhf Holocene fan deposits

Qha Holocene alluvium, undifferentiated

Qs Late Pleistocene to Holocene dune sands

Qb Late Pleistocene to Holocene basin deposits

Qt Late Pleistocene to Holocene terrace deposits

Qf Late Pleistocene to Holocene fan deposits

Qa Late Pleistocene to Holocene alluvium, undifferentiated

Qpt Late Pleistocene terrace deposits

Qpf Late Pleistocene fan deposits

Qpa Late Pleistocene alluvium, undifferentiated

Qpmt Late Pleistocene marine terrace deposits

Qoa Early to middle Pleistocene alluvium

Qomt Early to middle Pleistocene marine terrace deposits

br Pre-Quaternary deposits and bedrock. Includes Quaternary landslides

Notes:

1. See accompanying text for descriptions of units, methodology and references.

2. All contacts should be considered approximate. This map was prepared by interpretation of aerial photographs and topographic maps, compilation of previous geologic and soil mapping,(See accompanying text for sources.) and limited field checking. Many areas were not field checked. Information on this map is not sufficient to serve as a substitute for geologic site investigation.

SCALE 1:100000

1 .5 0 1 2 3 4 5 6 7 MILE

1 .5 0 1 2 3 4 5 6 7 KILOMETER

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 THOUSAND FEET

CONTOUR INTERVAL 50 METERS

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, product, or firm names is for discriptive purposes only and does not imply endorcement by the U.S. Government.
This database, identified as "Quaternary Geology, Napa, California 1:100,000 Quadrangle: A Digital Database", has been approved for release and publication by the Director of the USGS. Although this database has been subject to rigorous review and is substantilly complete, pursuant to further analysis and review. Furthermore, it is released on the condition that neither the USGS nor the United States Government may be held liable for any damages resulting from its authorized or unauthorized use.

**U.S. Department of the Interior
United States Geological Survey**

**Plot derived from
Openfile Report 98-XX**

Base scanned from U.S. Geological Survey 1:100,000 Napa California topographic maps, 1978 editions.

Universal Transverse Mercator projection, zone 10

This map is a plot derived from data contained in the digital database Open-File Report 98-XX, "Quaternary Geology, Napa, California 1:100,000 Quadrangle: A Digital Database". A PostScript plot file of this map is included in the Open-File Report, but the Open-File Report does not contain a paper copy of this map. The Open-File Report consists of the digital data and a pamphlet explaining the database and indicating how to obtain the data from which this map was prepared as well as the PostScript plot file of the map. The pamphlet also explains how those without computers can obtain a plot of this map from a private vendor.

QUATERNARY GEOLOGIC MAP, NAPA, CALIFORNIA, 1:100,000 QUADRANGLE: A DIGITAL DATABASE

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