

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
EDMUND G. BROWN, GOVERNOR
HARVEY O. BANKS, DIRECTOR OF WATER RESOURCES

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
75-277-4

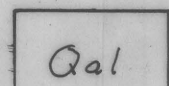
BENICIA QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW-4 CARQUINEZ STRAIT 15' QUADRANGLE

EXPLANATION

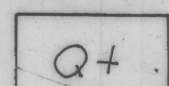
Note: see U.S. Geological Survey Misc. Field Studies Map MF-595 (Preliminary photointerpretation map of landslide and other surficial deposits of the Mare Island and Carquinez Strait 15-minute quadrangles, Contra Costa, Marin, Napa, Solano, and Sonoma Counties, California, by Virgil A. Frizzell, Jr., John D. Sims, Tor H. Nilsen, and John A. Bartow, 1974) for a more detailed explanation of map symbols.



Landslide deposit
Arrows indicate general direction of down slope movement. Queried where uncertain.



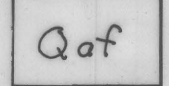
Alluvial deposit



Alluvial terrace deposit
Queried where uncertain



Colluvial deposit and/or small alluvial fan deposit



Artificial fill
Queried where uncertain



Marshland deposit



Bedrock
b? - indicates uncertain identification north of Carquinez Strait



Quarry or gravel pit

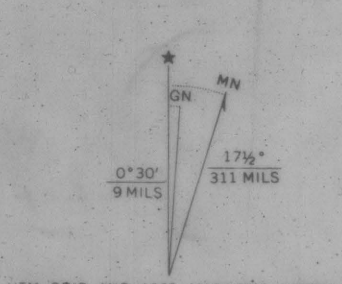
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SERIES J

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Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1948 and 1958
Revised from aerial photographs taken 1958. Field check 1959
Hydrography compiled from USC&GS charts 5525 (1956),
5534, and 5574 (1958)
Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zones 2 and 3
1000-meter Universal Transverse Mercator grid ticks,
zone 10, shown in blue
Red tint indicates areas in which only landmark buildings are shown
Unchecked elevations are shown in brown
Dashed land lines indicate approximate locations



SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF THE TIDE IS APPROXIMATELY 4 FEET

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
Interstate Route ——— State Route ———

BENICIA, CALIF.
SW-4 CARQUINEZ STRAIT 15' QUADRANGLE
N3800—W12207 5/7.5

1959
AM5 1560 II SW-SERIES 9895

PRELIMINARY PHOTOINTERPRETATION MAP OF LANDSLIDE AND OTHER SURFICIAL DEPOSITS OF THE BENICIA 7 1/2' QUADRANGLE, CONTRA COSTA AND SOLANO COUNTIES, CALIFORNIA

by
Tor H. Nilsen, Virgil A. Frizzell, Jr., John D. Sims, and John A. Bartow
1975

THIS MAP IS PRELIMINARY AND
HAS NOT BEEN EDITED OR REVISED
FOR CONFORMITY WITH U.S.
GEOLOGICAL SURVEY STANDARDS
AND NOMENCLATURE