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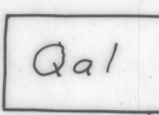
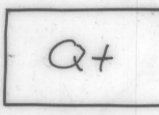
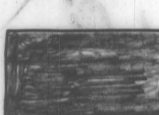
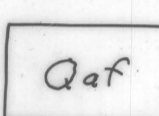
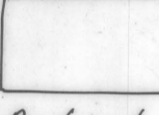

U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
75-277-40

NILES QUADRANGLE
CALIFORNIA-ALAMEDA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 1/4 LIVERMORE 19 QUADRANGLE
6 MI. TO INTERSTATE 580
1:500,000 FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

Note: see U.S. Geological Survey
Misc. Field Studies Map MF-519
(Preliminary photointerpretation
map of landslide and other
surficial deposits of the
Livermore and part of the
Hayward 15-minute quadrangle,
Alameda and Contra Costa
Counties, California, by
Tor H. Nilsen, 1973) for a more
detailed explanation of map
symbols.

-  Landslide deposit
Arrows indicate general
direction of downslope
movement. Queried where
uncertain.
-  Alluvial deposit
-  Alluvial terrace deposit
Queried where uncertain
-  Colluvial deposit and/or
small alluvial fan deposit
-  Artificial fill
-  Bedrock
Queried where
identification uncertain
-  Quarry or gravel pit



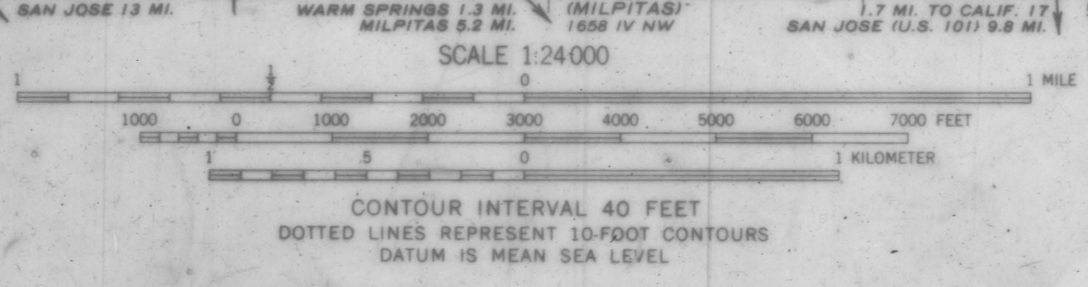
U.S. GEOLOGICAL SURVEY
MENLO PARK
JUN 21 1965
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Mapped, edited, and published by the Geological Survey with
cooperation by the California Department of Water Resources
Control by USGS, USC&GS, and Alameda County

Topography from aerial photographs by photogrammetric methods
and by plane-table surveys 1953. Aerial photographs taken 1948
Revised from aerial photographs taken 1960. Field check 1961

Polycyclic projection, 1927 North American datum
10,000-foot grid based on California coordinate system, zone 3
1,000-meter Universal Transverse Mercator grid ticks,
zone 10, shown in blue

Dashed land lines indicate approximate locations
Land lines are unsurveyed in part of T. 3 and 4 S.-R. 1 W.
Red tint indicates areas in which only landmark buildings are shown
Fine red dashed lines indicate selected fence lines
A portion of this map lies within a subsidence area



ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———

○ State Route ○ Interstate Route



NILES, CALIF.
SW 1/4 LIVERMORE 19 QUADRANGLE
N3730-W12152.5/7.5

1961
PHOTOGRAPHED 1956
AMS 1659 III SW-SERIES V885

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER, COLORADO 80225 OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs
taken 1968. This information not field checked
Purple tint indicates extension of urban areas

PRELIMINARY PHOTOINTERPRETATION MAP OF LANDSLIDE AND OTHER SURFICIAL DEPOSITS OF THE
NILES 7 1/2' QUADRANGLE, ALAMEDA COUNTY, CALIFORNIA

by
Tor H. Nilsen
1975

THIS MAP IS PRELIMINARY AND
HAS NOT BEEN EDITED OR REVIEWED
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AND NOMENCLATURE

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