



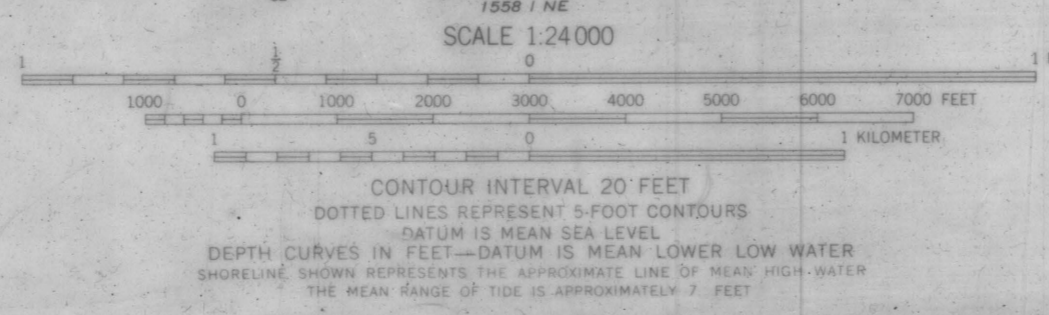
EXPLANATION

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 quadrangles, 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 down slope movement.  
Queried where uncertain
- Alluvial deposit
- Alluvial terrace deposit  
Queried where uncertain
- Colluvial deposit and/or small alluvial fan deposit
- Artificial fill
- Marshland deposit
- Bedrock  
Queried where identification uncertain
- Quarry or gravel pit

U.S. GEOLOGICAL SURVEY  
MENLO PARK  
JUN 21 1985  
LIBRARY

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by planetable surveys 1947  
Revised from aerial photographs taken 1958. Field check 1959  
Hydrography compiled from USC&GS chart 5531 (1956)  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on California coordinate system, zone 3  
1000-meter Universal Transverse Mercator grid ticks,  
zone 18, shown in blue  
Dashed and thin lines indicate approximate locations  
Red tint indicates areas in which only landmark buildings are shown  
Unchecked elevations are shown in brown



ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
○ Slate Route

NEWARK, CALIF.  
SE-4 HAYWARD 15 QUADRANGLE  
N3730—W12200/7.5

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

by  
Tor H. Nilsen  
1975

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

