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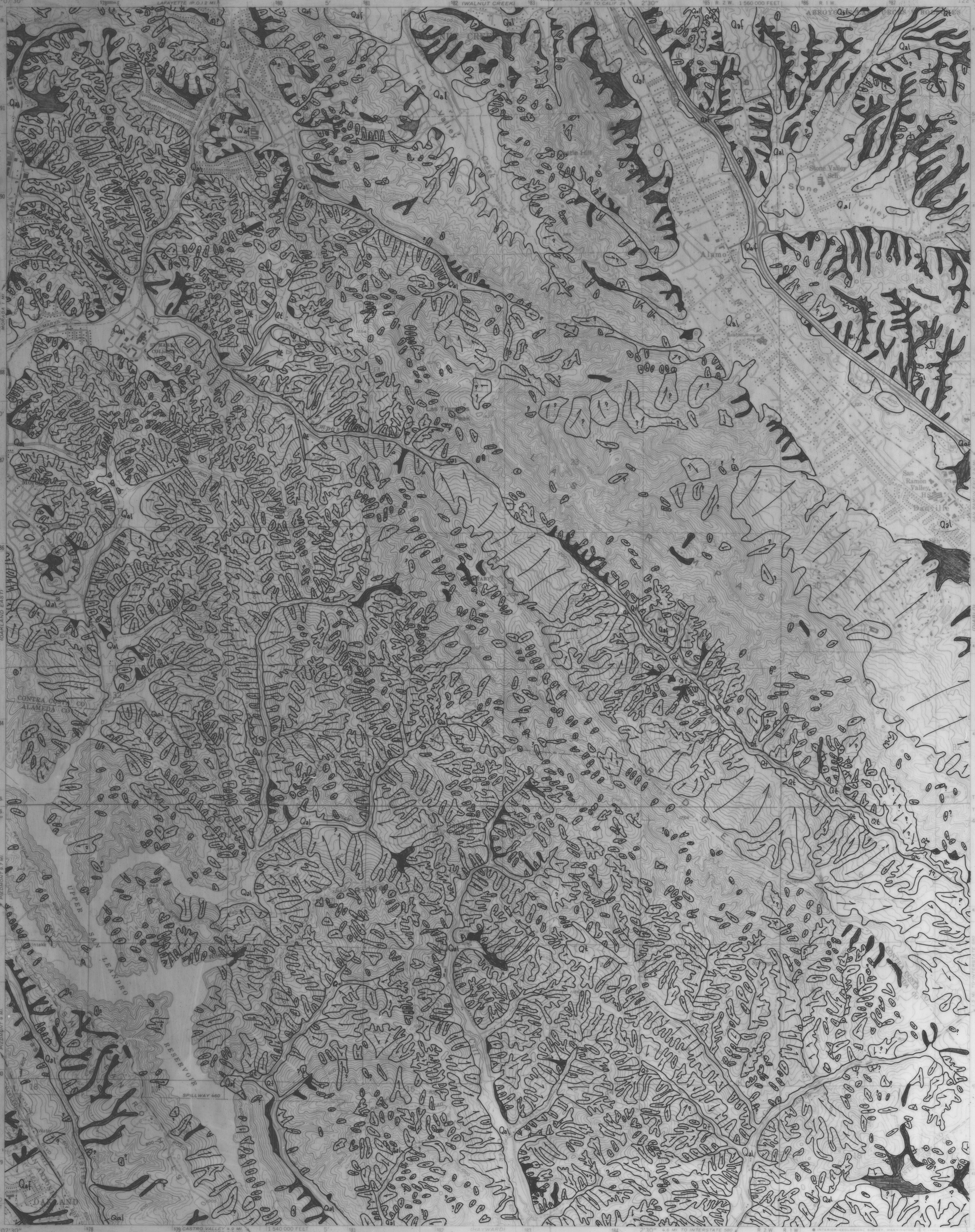
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

LAS TRAMPAS RIDGE QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 CONCORD 15' QUADRANGLE



EXPLANATION

Note: see U.S. Geological Survey Misc. Field Studies Map MF-493 (Preliminary photointerpretation map of landslide and other surficial deposits of the Concord 15 minute quadrangle and the Oakland West, Richmond and part of the San Quentin 7½-minute quadrangles, Contra Costa and Alameda 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.

Qal
Alluvial deposit

Qt
Alluvial terrace deposit
Queried where uncertain

Colluvial deposit and/or small alluvial fan deposit

Qaf
Artificial fill

Bedrock
Queried where uncertain

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1958. Field check 1959

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 10, shown in blue

Dotted land lines established by private survey

Data shown in purple compiled from aerial photographs taken 1968. This information not field checked

Purple tint indicates extension of urban areas

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

1 MILE
1 KILOMETER
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20 FOOT CONTOURS

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

QUADRANGLE LOCATION

LAS TRAMPAS RIDGE, CALIF.
SE/4 CONCORD 15 QUADRANGLE
N3745—W12200/7.5
1959
PHOTOREVISED 1968
AMS 1559 I SE—SERIES V895

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

PRELIMINARY PHOTOINTERPRETATION MAP OF LANDSLIDE AND OTHER SURFICIAL DEPOSITS OF THE LAS TRAMPAS RIDGE 7½' QUADRANGLE, CONTRA COSTA AND ALAMEDA COUNTIES, 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

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