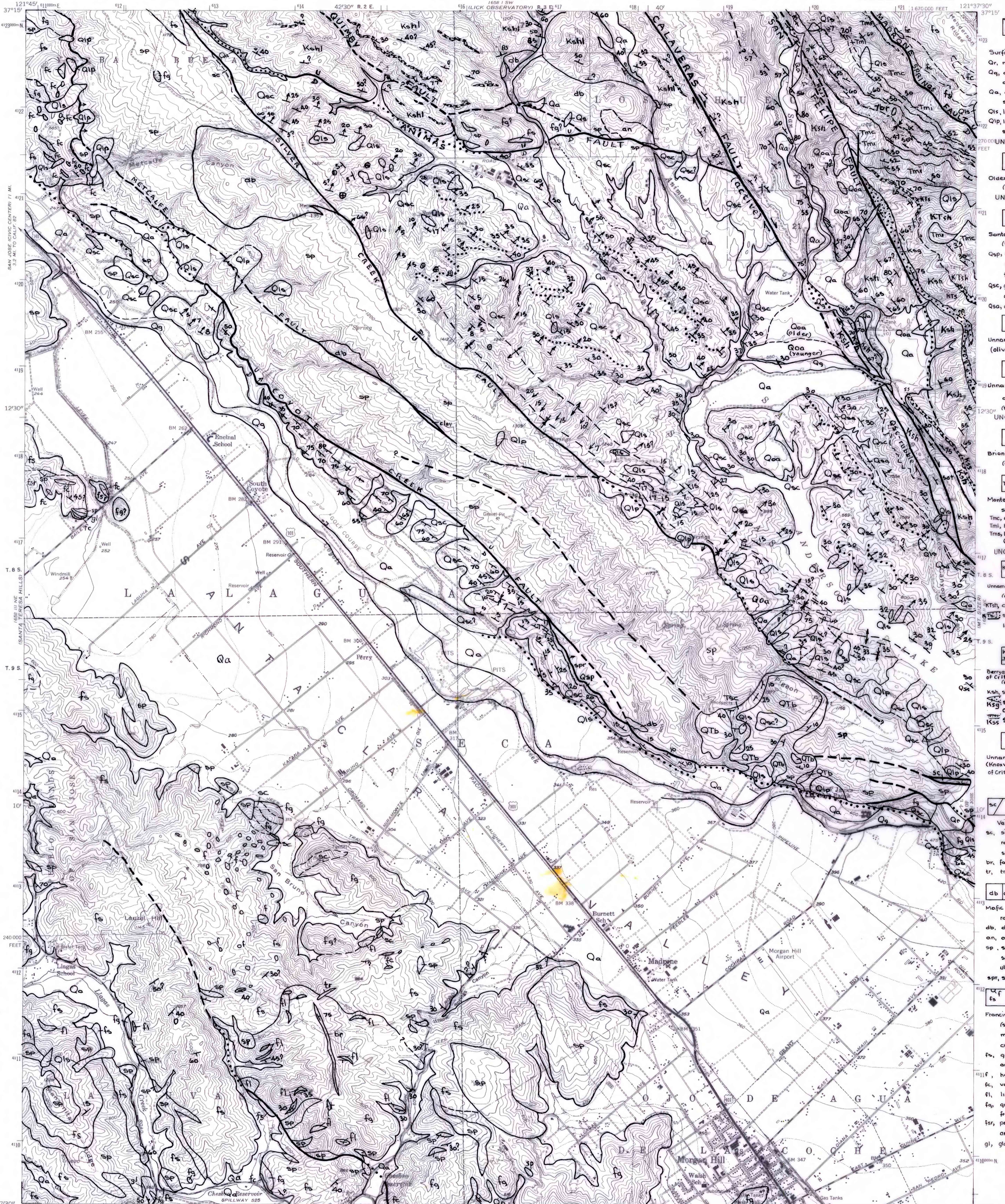


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF CALIFORNIA  
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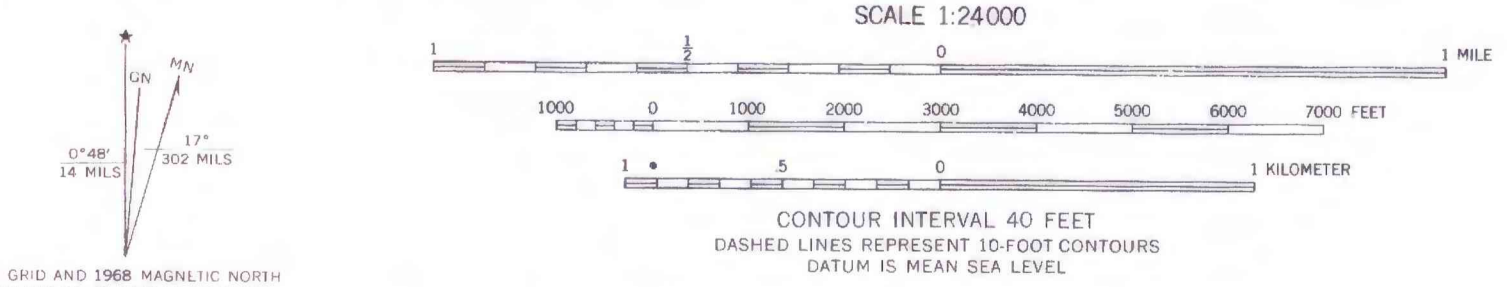
MORGAN HILL QUADRANGLE  
CALIFORNIA—SANTA CLARA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NW4 MORGAN HILL 15' QUADRANGLE



contact  
dashed where gradational or approximately located  
Fault  
dashed where inferred; dotted where concealed;  
upthrown block  
downthrown block, relatively;  
single arrow indicates observed dip of fault;  
double parallel arrows indicate lateral movement  
Horizontal  
inclined vertical  
overturned  
Strike and dip of bedding  
anticline  
syncline  
Axis of fold  
(end arrow indicates direction of plunge)  
Mollusc Fossil localities

- Surficial deposits
- Qr, man-made rock fill
- Qg, gravel and sand of stream channels
- Qa, alluvium-gravel sand and clay
- Qls, landslide debris
- Qlp, landslide of serpentine debris
- UNCONFORMITY
- Qoa
- Older alluvium (dissected)
- UNCONFORMITY
- Qsp
- Santa Clara Formation (terrestrial)
- Qsc, conglomerate or breccia of serpentine detritus
- Qsc, gravel, sand and clay
- Qsa, clay
- QTb
- Unnamed basalt (olivine basalt lava)
- Tsc
- Unnamed sandstone and conglomerate (terrestrial)
- UNCONFORMITY
- Tsr
- Briones sandstone (marine)
- Tmc
- Monterey (Claremont) shale (marine)
- Tms, clay shale
- Tms, brittle siliceous shale
- Tms, basal sandstone (fine grained)
- UNCONFORMITY
- Ksh
- Unnamed formation (marine)
- Kts, clay shale
- Kss, sandstone locally pebbly
- Beryssa Formation? of Crittenden 1991 (marine)
- Ksh, shale
- Msg, sandstone and conglomerate
- Kss, sandstone
- Unnamed shale (Knoxville Formation of Crittenden, 1950, marine)
- Vain rocks
- sc, silica-carbonate rock (alteration of serpentine)
- br, fault breccia
- tr, travertine
- db an sp spr
- Mafic and related rocks (intrusive)
- db, diabase
- an, andesitic rock
- sp, serpentine and serpentinized ultramafic rocks
- spr, serpentine rubble
- Franciscan rocks (severely shattered marine eugeosynclinal rocks)
- fs, graywacke sandstone and minor claystone
- flf, hard monolithic fragments, varicolored chert
- fl, limestone
- fg, greenstone (altered from basaltic rocks)
- tsr, pervasively sheared shale and graywacke
- gl, glauconitic rock

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and USCE  
Topography from aerial photographs by multiplex methods and by planetable surveys 1955. Aerial photographs taken 1953  
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  
Revisions shown in purple compiled from aerial photographs taken 1968. This information not field checked  
Purple tint indicates extension of urban areas



ROAD CLASSIFICATION  
Heavy-duty  
Medium-duty  
Light-duty  
Unimproved dirt  
U.S. Route

MORGAN HILL, CALIF.  
NW4 MORGAN HILL 15' QUADRANGLE  
N3707.5-W12137.5/7.5  
1955  
PHOTOGRAPHED 1968  
AMS 1658 II NW—SERIES V695

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 GEOLOGIC MAP OF THE MORGAN HILL QUADRANGLE, SANTA CLARA COUNTY, CALIFORNIA

By Thomas W. Dibblee Jr., 1973

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.