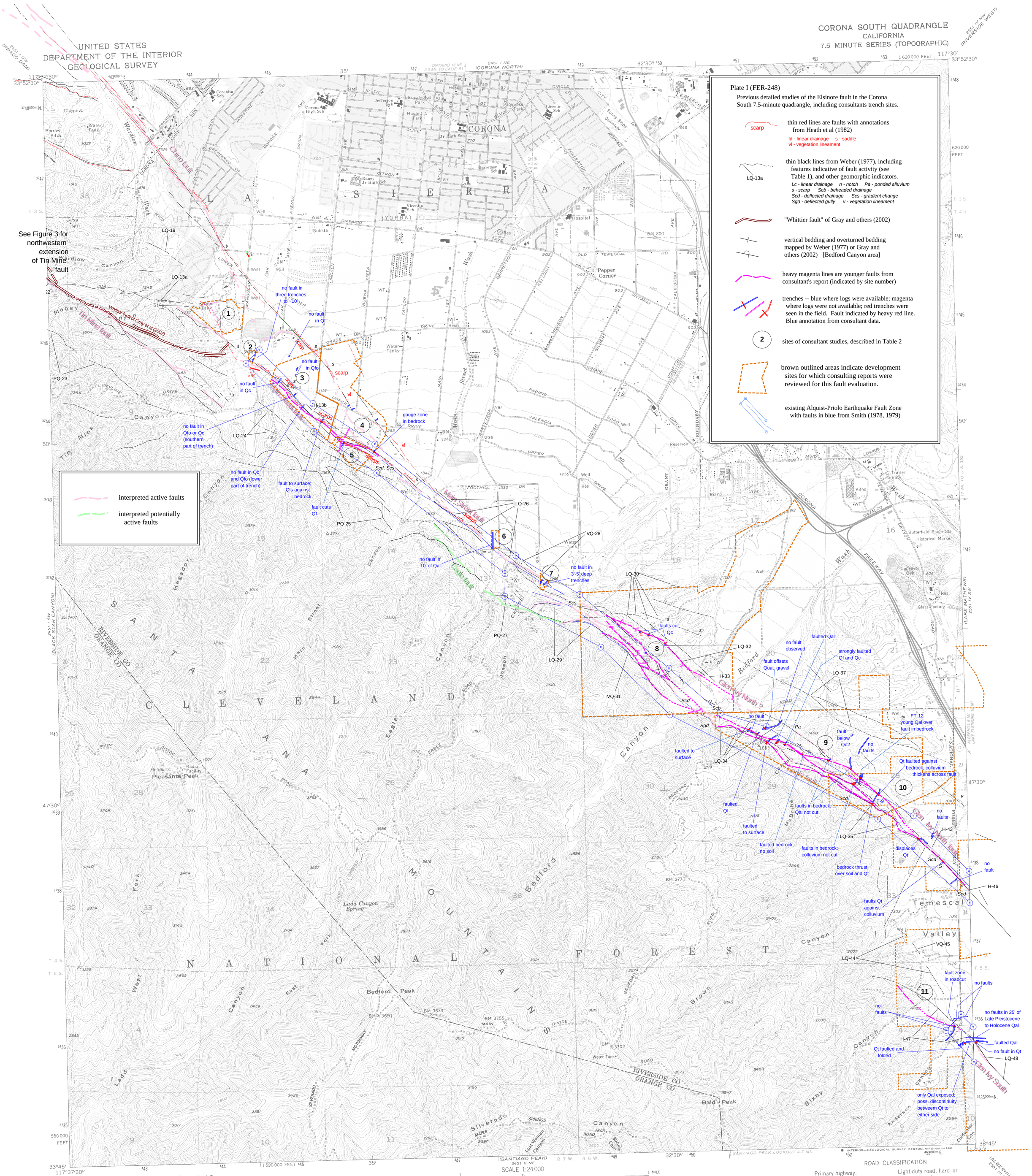
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CORONA SOUTH QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
Plate I (FER-248)
Previous detailed studies of the Elsinore fault in the Corona South 7.5-minute quadrangle, including consultants trench sites.
scarp
thin red lines are faults with annotations from Heath et al (1982)
ld - linear drainage s - saddle
vl - vegetation lineament
LQ-13a
thin black lines from Weber (1977), including features indicative of fault activity (see Table 1), and other geomorphic indicators.
Lc - linear drainage n - notch Pa - ponded alluvium
s - scarp Scb - beheaded drainage
Scd - deflected drainage Scs - gradient change
Sgd - deflected gully v - vegetation lineament
"Whittier fault" of Gray and others (2002)
vertical bedding and overturned bedding mapped by Weber (1977) or Gray and others (2002) [Bedford Canyon area]
heavy magenta lines are younger faults from consultant's report (indicated by site number)
trenches -- blue where logs were available; magenta where logs were not available; red trenches were seen in the field. Fault indicated by heavy red line. Blue annotation from consultant data.
2
sites of consultant studies, described in Table 2
brown outlined areas indicate development sites for which consulting reports were reviewed for this fault evaluation.
existing Alquist-Priolo Earthquake Fault Zone with faults in blue from Smith (1978, 1979)
interpreted active faults
interpreted potentially active faults
See Figure 3 for northwestern extension of Tin Mine fault
Chino fault
Whittier fault of Gray et al (2002)
Tin Mine fault
Main Street fault
Glen Ivy North ?
Glen Ivy North fault
Glen Ivy South
Eagle fault
no fault in three trenches to ~10'
no fault in Qf
no fault in Qfo
no fault in Qc
no fault in Qfo or Qc (southern part of trench)
no fault in Qc and Qfo (lower part of trench)
fault to surface; Qls against bedrock
fault cuts Qf
gouge zone in bedrock
no fault in 10' of Qal
no fault in 3'-5' deep trenches
faults cut Qc
fault offsets Quat. gravel
no fault observed
faulted Qal
strongly faulted Qf and Qc
FT-12 young Qal over fault in bedrock
fault below Qc2
no faults
Qt faulted against bedrock; colluvium thickens across fault
faulted to surface
faulted Qf
faulted to surface
faults in bedrock; Qal not cut
faulted bedrock; no soil
faults in bedrock; colluvium not cut
bedrock thrust over soil and Qt
displaces Qt
faults Qt against colluvium
fault zone in roadcut
no faults in 25' of Late Pleistocene to Holocene Qal
faulted Qal
no fault in Qt
Qt faulted and folded
only Qal exposed; poss. discontinuity betweem Qt to either side
CORONA
SIERRA
LA
SANTA ANA MOUNTAINS
NATIONAL FOREST
CLEVELAND
Temescal Valley
Pleasants Peak
Bedford Peak
Bald Peak
RIVERSIDE CO
ORANGE CO
Mapped, edited, and published by the Geological Survey
Control by USGS, NOS/NOAA, and USCE
Topography by photogrammetric methods from aerial photographs taken 1952 and planetable surveys 1933. Field checked 1954
Revised from aerial photographs taken 1966. Field checked 1967
Polyconic projection. 1927 North American Datum
10,000-foot grid based on Califorina coordinate system, zone 6
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue
Red tint indicates areas in which only landmark buildings are shown
There may be private inholdings within the boundaries of the National or State reservations shown on this map
Purple tint indicates areas of urban extensions
UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
To place on the predicted North American Datum 1983 move the projection lines 1 meter north and 83 meters east as shown by dashed corner ticks
SCALE 1:24 000
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST
QUADRANGLE LOCATION
Revisions shown in purple and woodland compiled from aerial photographs taken 1987 and other source data.
Partial check by U.S. Forest Service. Map edited 1988
ROAD CLASSIFICATION
Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
State Route
CORONA SOUTH, CALIF.
33117-G5-TF-024
1967
PHOTOREVISED 1988
DMA 2451 I SE-SERIES V895