Figure 2a (to FER-186). Faults in the northwestern San Bernardino Mountains study area, based on available mapping by others. Annotations are selected data from the work of others and air photo interpretation by Bryant (this report)(for symbol explanations refer to figure 3).

MAP EXPLANATION

Faults mapped by Dibblee (1974-), dashed where indefinite, dotted where concealed or inferred, queried where doubtful.

Faults mapped by Meisling (1984), dashed where poorly located, queried where inferred, dotted where concealed; sawteeth on upper plate of thrust fault.

Faults mapped by Miller (1975-77), dashed where approximately located, dotted where concealed; sawteeth on upper plate of thrust fault; ball & bar indicate direction scarp faces.

Locality referred to in text.

Key to faulted and unfaulted deposits

□ - deposit offset H- Holocene ; L- late Pleistocene

○ - deposit not offset Q- Quaternary b- bedrock

Location of 65-foot long trench excavated in Mid-Pleistocene Old River Gravel deposits by Meisling (1984). No evidence of faulting reported in 55°N-dipping deposits (See fig. 9).

Fold data in gray based on Meisling (1984)

Scarp height in late Pleistocene alluvium about 70 m (Meisling, 1984)

Buttress unconformity between late Pleistocene(?) alluvium and granitic basement - no evidence of fault contact. Granite has moderately developed shear fabric - probably secondary shears related to Bowen Ranch fault. Trend of shears ranges from N75°W to N60°E, dips from vertical to 55°NW. Bail (A & 3 cambs) deskewed over shears and is not offset. S/C 9-86

Location of Loveless Canyon trench excavated by Meisling (1984). No evidence of faulting reported in late(?) Holocene fluvial deposits.

Fault mapped on earlier version of Dibblee's Lake Arrowhead 15' qd. - fault not shown on 1974 version

Meisling (1984) reported 4m-high SW-facing scarp in late Pleistocene alluvium

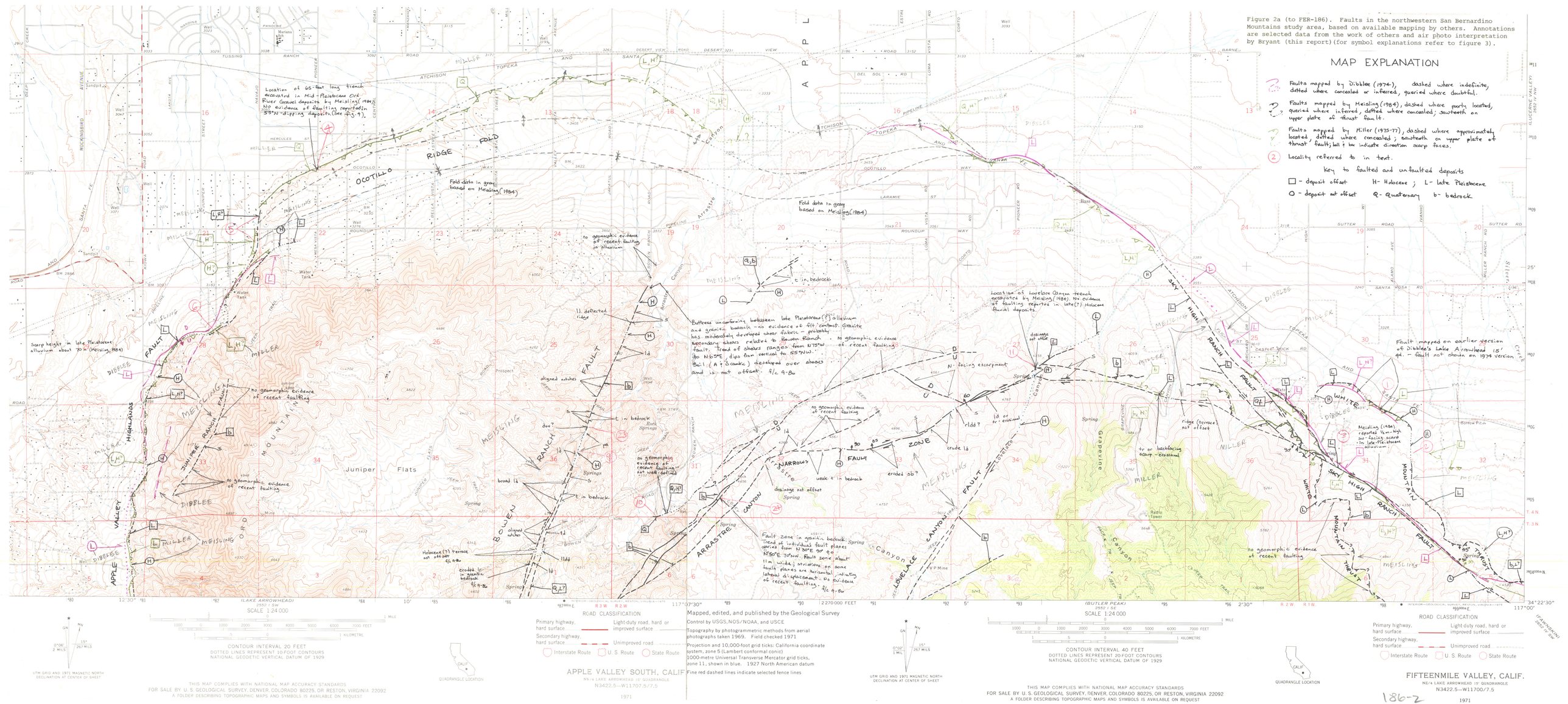
Fault zone in granitic bedrock. Trend of individual fault planes varies from N30°E for 40 m, N60°E 70°NW. Fault zone about 11 m wide; striations on some fault planes are horizontal, indicating lateral displacement - no evidence of recent faulting. S/C 9-86

Holocene(?) terrace not offset S/C 9-86

eroded lc in granitic bedrock S/C 9-86

no geomorphic evidence of recent faulting

Figure 2b (to FER-186). Faults in the northwestern San Bernardino Mountains study area, based on available mapping by others. Annotations are selected data from the work of others and air photo interpretation by Bryant (this report)(for symbol explanations refer to figure 3).



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