UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LANDERS QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 EMERSON LAKE 15' QUADRANGLE

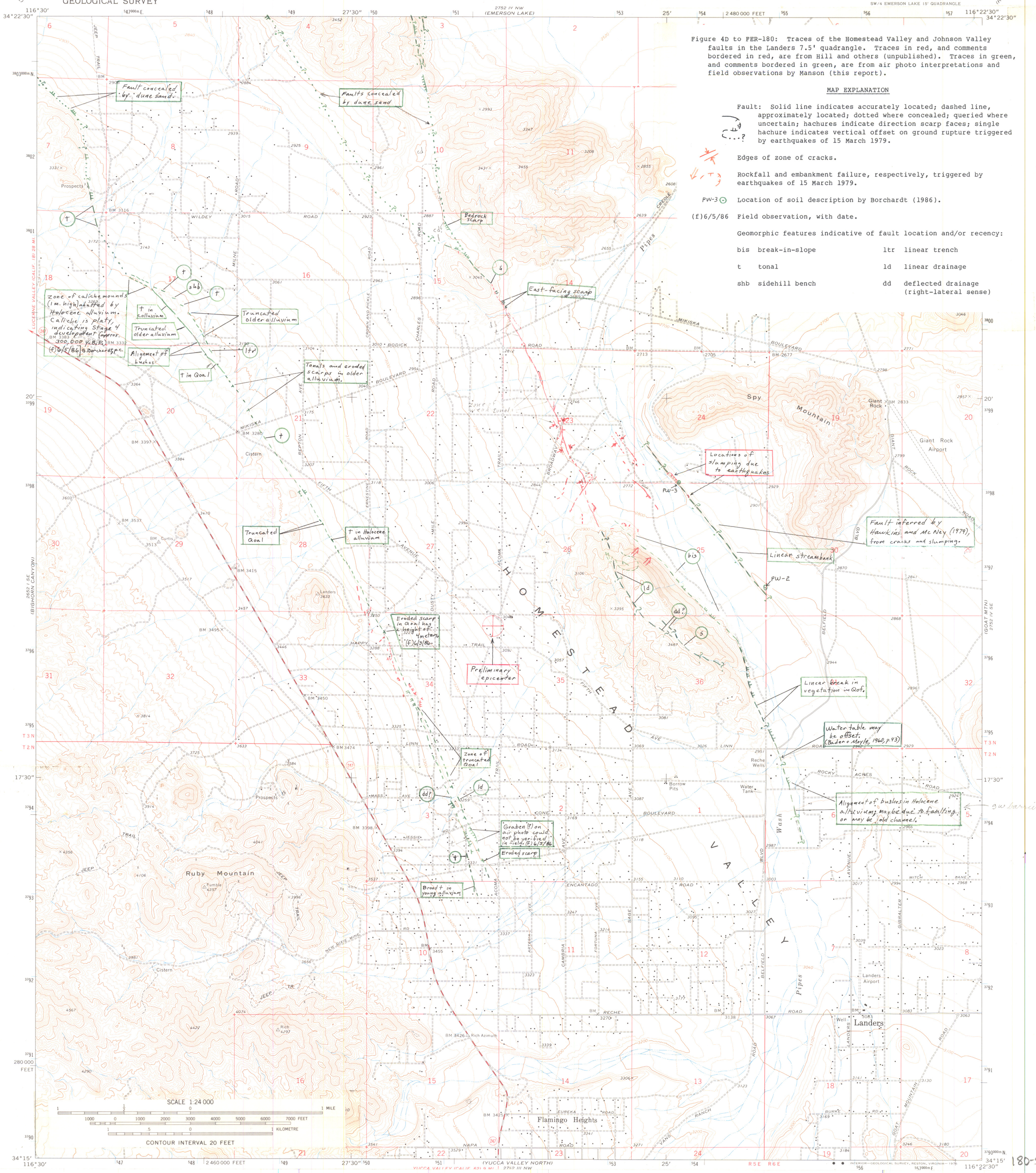

Figure 4D to FER-180: Traces of the Homestead Valley and Johnson Valley faults in the Landers 7.5' quadrangle. Traces in red, and comments bordered in red, are from Hill and others (unpublished). Traces in green, and comments bordered in green, are from air photo interpretations and field observations by Manson (this report).

MAP EXPLANATION

Fault: Solid line indicates accurately located; dashed line, approximately located; dotted where concealed; queried where uncertain; hachures indicate direction scarp faces; single hachure indicates vertical offset on ground rupture triggered by earthquakes of 15 March 1979.

Edges of zone of cracks.

Rockfall and embankment failure, respectively, triggered by earthquakes of 15 March 1979.

PW-3 Location of soil description by Borchardt (1986).

(f)6/5/86 Field observation, with date.

Geomorphic features indicative of fault location and/or recency:

bis	break-in-slope	ltr	linear trench
t	tonal	ld	linear drainage
shb	sidehill bench	dd	deflected drainage (right-lateral sense)

180-5