CALIFORNIA DEPARTMENT OF CONSERVATION
DIVISION OF MINES AND GEOLOGY

DMG OPEN-FILE REPORT 83-10

SUMMARY REPORT: FAULT EVALUATION PROGRAM, 1981-1982 AREA— NORTHERN COAST RANGES REGION, CALIFORNIA

1983

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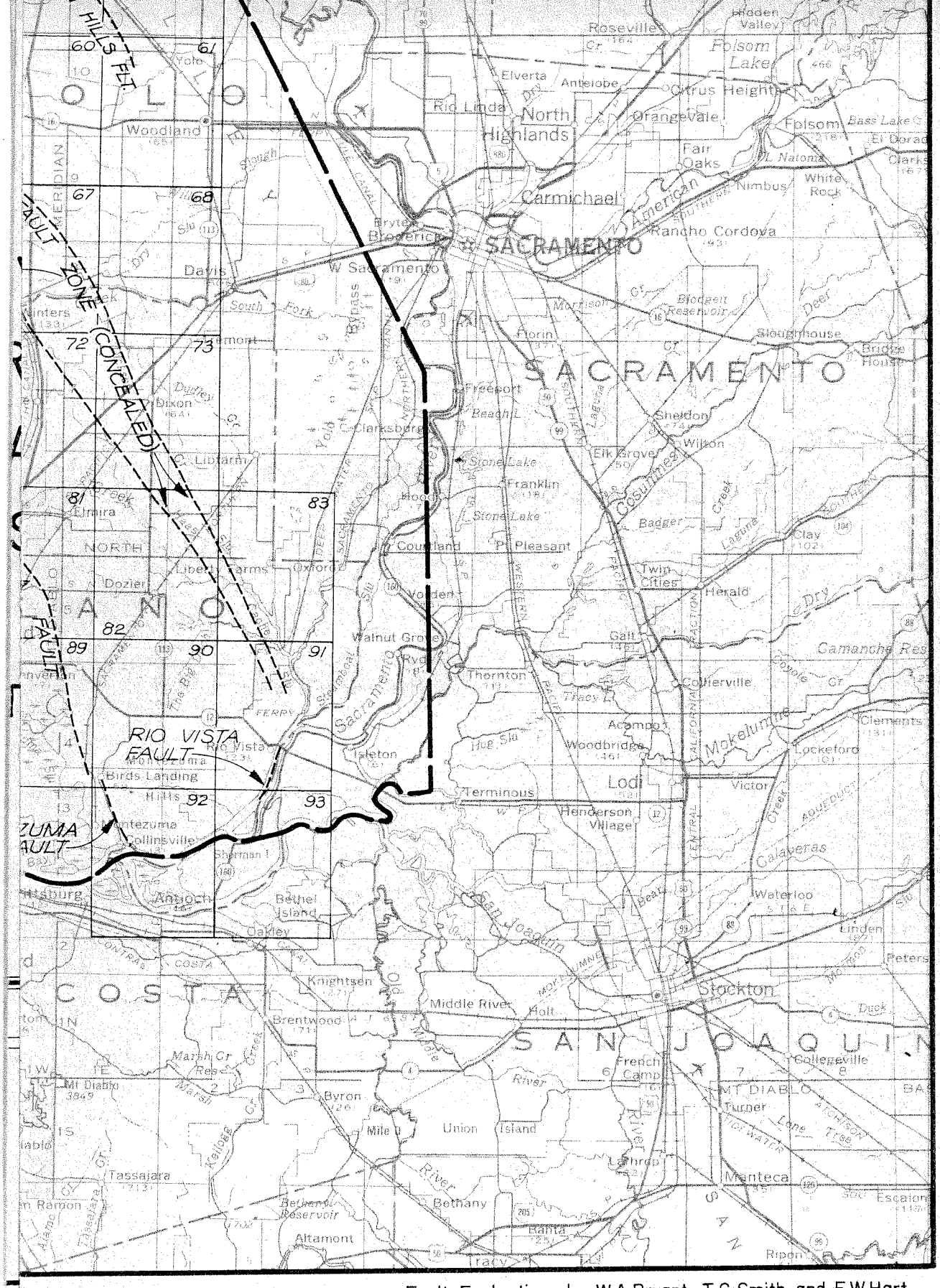
Table 1. Summary of faults evaluated during 1981-1982 in the northern Coast Ranges (cont.)

Fault name (alphabetical by counties)	Fault evaluation report (FER) #; investigator	Description of fault (including evidence for recency and inactivity). Is fault well-defined?	Development pressure	Zoning recommendation; comments.
SOLANO COUNTY (cont.)				
2. Green Valley	126; Bryant	Generally well-defined, right-lateral, strike-slip fault with abundant geomorphic evidence of significant Holocene slip; offset fences indicate historic creep and trenches exposed offset soil of probable Holocene age. Northern projection of fault concealed by landslides. Branches mostly not well-defined and lack Holocene evidence of slip.	mod.	New zone recommended for northern segment; revised zone recommended for southern segment.
3. Midland	133; Bryant	Concealed fault that offsets Oligocene strata, but is not known to offset overlying upper Tertiary units. Considered by some as a source of 1892 Vacaville earthquake which produced ground fissures east of Allendale. Although numerous tonal lineaments and several right-laterally deflected drainages exist in Pleistocene alluvium near Allendale, these features could not be clearly associated with faulting and Holocene features were lacking.	low-mod.	Zoning not recommended.
4. Rio Vista	136; Bryant	Well-defined, linear escarpment in Pleistocene deposits inferred to be a fault, but could be erosional; lacks Holocene evidence of faulting.	low	Zoning not recommended.
5. Vaca-Montezuma Hills zone	136; Bryant	Northwest-trending zone of discontinuous, faults and inferred faults based partly on large-scale geomorphic features (linear scarps and hills, deflected drainages) suggestive of Quaternary faulting; however, some of the features may be erosional. Lacks detailed features indicative of Holocene movement. Most segments poorly defined.	low-mod.	Zoning not recommended.



Fault Evaluations by W.A.Bryant, T.C.Smith and E.W.Hart
Drafted by E.Taylor
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