CALIFORNIA DIVISION OF MINES AND GEOLOGY
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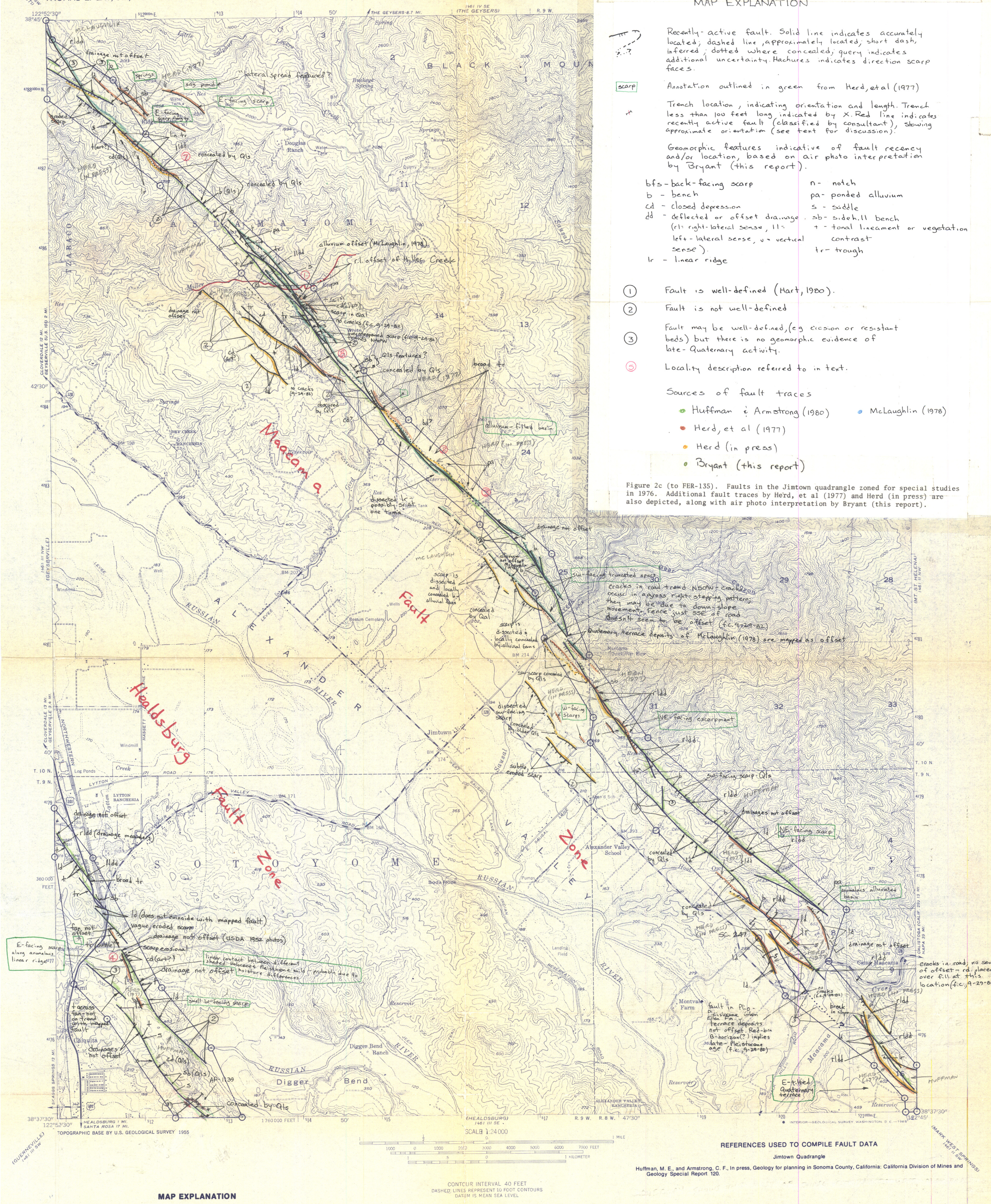
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

JIMTOWN QUADRANGLE
CALIFORNIA—SONOMA CO.

Fig. 2c



MAP EXPLANATION

Recently-active fault. Solid line indicates accurately located; dashed line, approximately located; short dash, inferred; dotted where concealed; query indicates additional uncertainty. Hachures indicates direction scarp faces.

scarp — Annotation outlined in green from Herd, et al (1977)

Trench location, indicating orientation and length. Trench less than 100 feet long indicated by X. Red line indicates recently active fault (classified by consultant), showing approximate orientation (see text for discussion).

Geomorphic features indicative of fault recency and/or location, based on air photo interpretation by Bryant (this report).

- bfs - back-facing scarp
- b - bench
- cd - closed depression
- dd - deflected or offset drainage (rl = right-lateral sense, ll = left-lateral sense, v = vertical sense).
- lr - linear ridge
- n - notch
- pa - ponded alluvium
- s - saddle
- sb - sidehill bench
- t - tonal lineament or vegetation contrast
- tr - trough

(1) Fault is well-defined (Hart, 1980).

(2) Fault is not well-defined

(3) Fault may be well-defined, (eg erosion or resistant beds) but there is no geomorphic evidence of late-Quaternary activity.

(5) Locality description referred to in text.

Sources of fault traces

- Huffman & Armstrong (1980)
- McLaughlin (1978)
- Herd, et al (1977)
- Herd (in press)
- Bryant (this report)

Figure 2c (to FER-135). Faults in the Jimtown quadrangle zoned for special studies in 1976. Additional fault traces by Herd, et al (1977) and Herd (in press) are also depicted, along with air photo interpretation by Bryant (this report).

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DASHED LINES REPRESENT 10 FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

REFERENCES USED TO COMPILE FAULT DATA

Jimtown Quadrangle

Huffman, M. E., and Armstrong, C. F., In press, Geology for planning in Sonoma County, California: California Division of Mines and Geology Special Report 120.

MAP EXPLANATION

Potentially Active Faults

1906 C — Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES

Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code

JIMTOWN QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

T. E. Gay Jr. Acting State Geologist

IMPORTANT - PLEASE NOTE

1) *This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.*
2) Faults shown are the basis for establishing the boundaries of the special studies zones.
3) The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
4) Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.

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