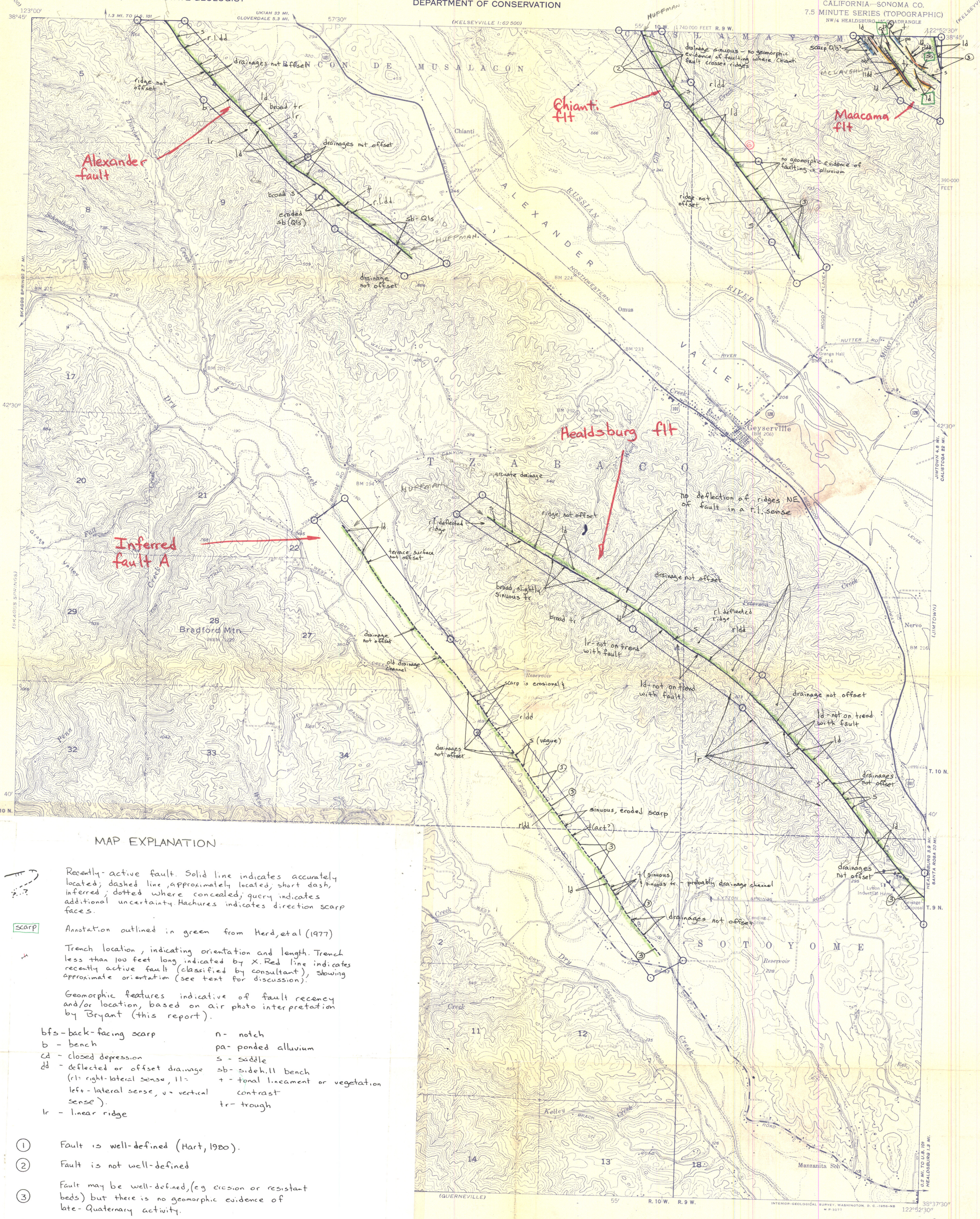
CALIFORNIA DIVISION OF MINES AND GEOLOGY
THOMAS E. GAY, JR., ACTING STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

GEYSERVILLE QUADRANGLE
CALIFORNIA—SONOMA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 HEALDSBURG 15' QUADRANGLE



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
+ - 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)
- Herd, et al (1977)
- Herd (in press)
- Bryant (this report)

Figure 2d (to FER-135). Faults in the Geyserville 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).

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.

SCALE 1:24,000

1 MILE — 0 — 2000 — 3000 — 4000 — 5000 — 6000 — 7000 FEET

1 KILOMETER — .5 — 0

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

REFERENCES USED TO COMPILE FAULT DATA

Geyserville 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.

OVERLAY SHOWS THAT MOST OF THESE FLT TRACES WERE ALSO BASED ON BLAKE ET. AL. & CARDWELL WATER SUPPLY PAPER 1548

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES
Delineated in compliance with
Section 2 of the California Public Resources Code

GEYSERVILLE 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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