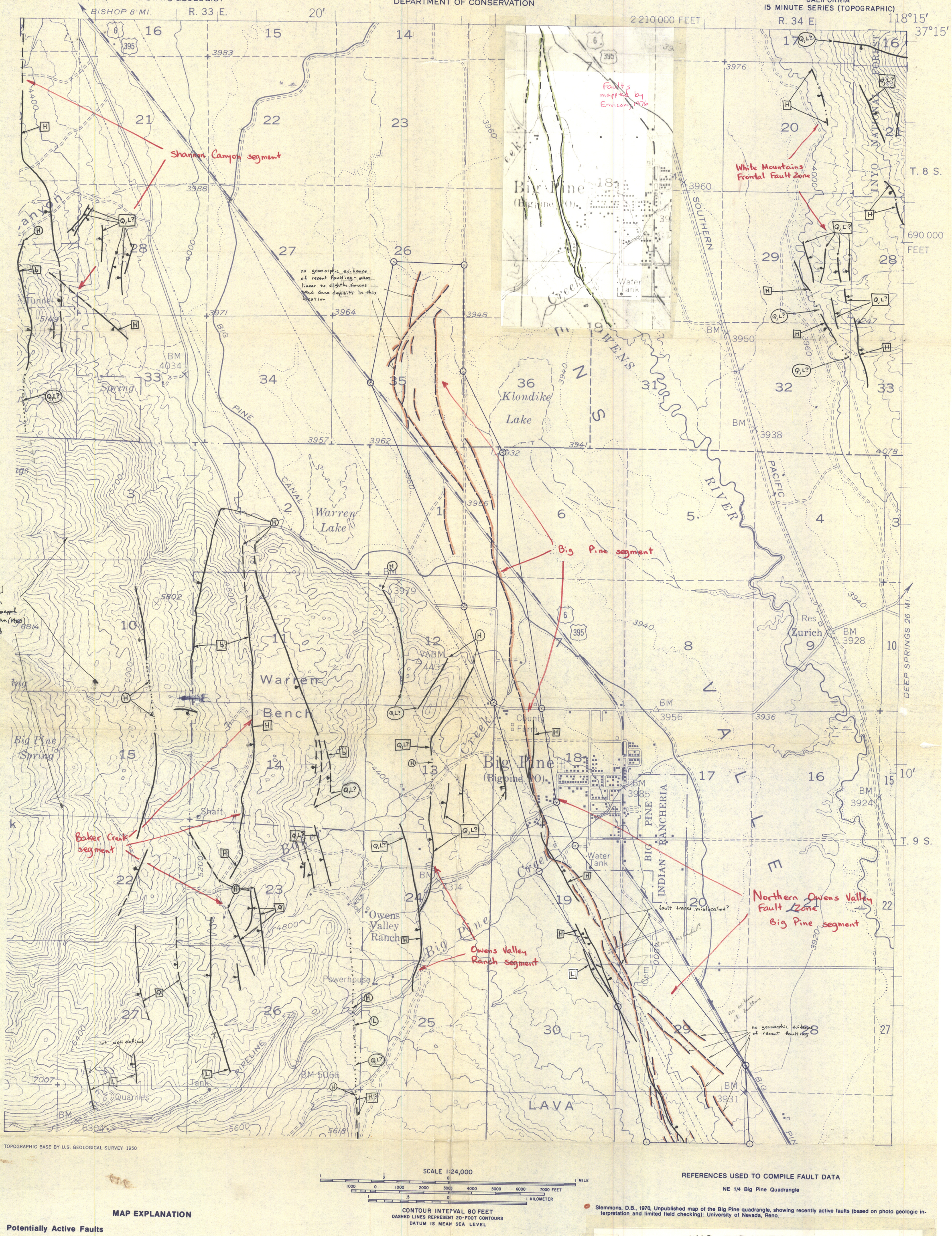
CALIFORNIA DIVISION OF MINES AND GEOLOGY
THOMAS E. GAY, JR., ACTING STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

NE 1/4 BIG PINE QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)



TOPOGRAPHIC BASE BY U.S. GEOLOGICAL SURVEY 1950

SCALE 1:24,000

CONTOUR INTERVAL 80 FEET
DASHED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

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

NE 1/4 BIG PINE QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

T. E. Gay Jr. Acting State Geologist

159-3

REFERENCES USED TO COMPILE FAULT DATA

NE 1/4 Big Pine Quadrangle

Slemmons, D.B., 1970, Unpublished map of the Big Pine quadrangle, showing recently active faults (based on photo geologic interpretation and limited field checking): University of Nevada, Reno.

MAP EXPLANATION

Faults mapped by Bateman (1965), dashed where approximately located, dotted where concealed. Ball & bar on downthrown side.

Faults mapped by Envicom (1976), dashed where approximately located, dotted where concealed or inferred.

well defined — Annotation by Bryant (this report), based on air photo interpretation.

Key to faulted & unfaulted deposits mapped by Bateman (1965)

□ - indicates deposit offset

O - indicates deposit not offset

Age of deposits

H - Holocene Q - Quaternary

L - Late Pleistocene b - bedrock - generally Mesozoic

Figure 2a (to FER-159). Special Studies Zones Map (1976) of NE1/4 Big Pine quadrangle, showing faults based on mapping by Slemmons, et al. (1970). Faults mapped by Bateman (1965) and Envicom (1976) are also shown.