UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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CATALOG OF EARTHQUAKES ALONG THE SAN ANDREAS FAULT SYSTEM IN CENTRAL CALIFORNIA APRIL - JUNE 1972*

by

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Open-file Report
1972
93-361

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature

*Work performed in cooperation with the Division of Reactor Development and Technology, Atomic Energy Commission

INTRODUCTION

Numerous small earthquakes occur each day in the coast ranges of Central California. The detailed study of these earthquakes provides a tool for gaining insight into the tectonic and physical processes responsible for the generation of damaging earthquakes. This catalog contains the fundamental parameters for earthquakes located within and adjacent to the seismograph network operated by the National Center for Earthquake Research (NCER), U. S. Geological Survey, during the period April - June, 1972.

The motivation for these detailed studies has been described by Pakiser and others (1969) and by Eaton and others (1970). Similar catalogs of earthquakes for the years 1969, 1970 and 1971 have been prepared by Lee and others (1972 b, c, d). A catalog for the first quarter of 1972 has been prepared by Wesson and others (1972). The basic data contained in these catalogs provide a foundation for further studies.

This catalog contains data on 910 earthquakes in Central California. A substantial portion of the earthquakes reported in this catalog represents a continuation of the sequence of earthquakes in the Bear Valley area which began in February, 1972 (Wesson and others, 1972). Arrival times at 126 seismograph stations were used to locate the earthquakes listed in this catalog. Of these, 101 are telemetered stations operated by NCER. Readings from the remaining 25 stations were obtained through the courtesy of the Seismographic Stations, University of California, Berkeley (UCB); the Earthquake Mechanism Laboratory, National Oceanic and Atmospheric Administration,

San Francisco (EML); and the California Department of Water Resources, Sacramento.

The Seismographic Stations of the University of California, Berkeley, have for many years published a bulletin describing earthquakes in Northern California and the surrounding area, and readings at UCB Stations from more distant events. The purpose of the present catalog is not to replace the UCB Bulletin, but rather to supplement it, by describing the seismicity of a portion of central California in much greater detail.

INSTRUMENTATION

The telemetered seismograph system used may be illustrated by block diagram (Figure 1). The equipment at each station includes a vertical component, 1 Hz seismometer (usually Mark Products, Model L-4C), a package containing a preamplifier and voltage-controlled oscillator (usually Develco, Model 6202), and batteries. The frequency-modulated tone produced at each station is carried by wire (occasionally by radio) to a terminal where it is combined with tones from up to 7 other stations. The resulting multiplexed signal is then transmitted by voice-grade telephone circuits to the NCER office in Menlo Park, California. There the eight channels of data on each telephone line are separated and demodulated by discriminators (usually Develco, Model 6203), and recorded on 16 mm film using a Develocorder (Teledyne, Geotech, Model RF-400). Each Develocorder records seismic signals from up to 16 stations. In addition, 2 timing signals (WWVB on 2 traces, and a chronometer) are recorded simultaneously with the seismic signals.

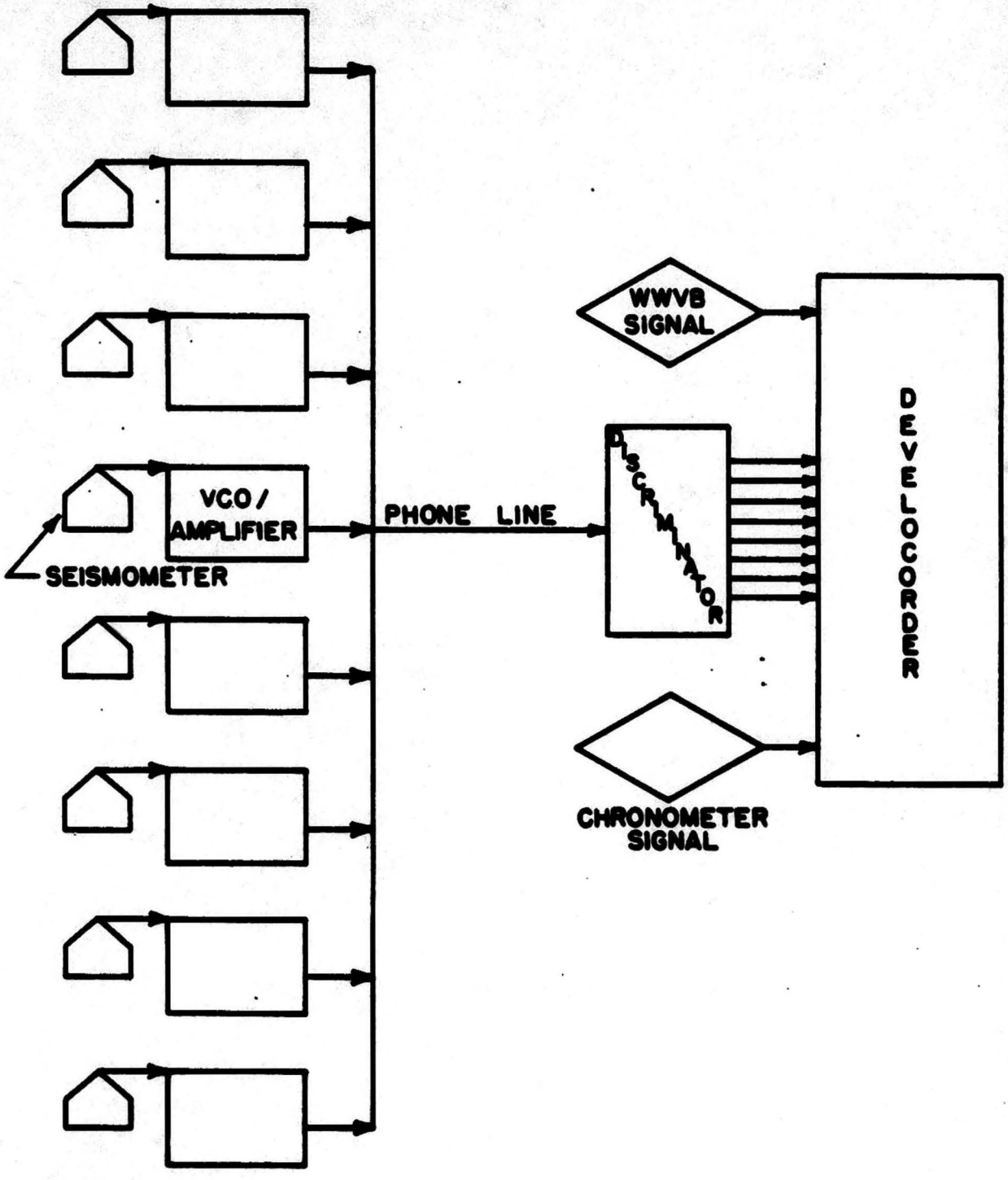

Figure 1. Block diagram of the NCER telemetered seismograph system.

Figure 2 illustrates the overall response of the seismic system for a typical station. Magnification for individual stations is adjusted according to the background noise level in steps of 6 decibels. As a result, the response for an individual station may differ from that of the typical station by a factor of 2, 4, 8, or 16. Precise calibrations indicate that most stations are operated at magnifications of about 100,000 at 1 Hz.

All stations used in the present study are listed in Table 1. Station locations are plotted on Figure 3, except for 13 stations which are located outside the map boundaries.

DATA PROCESSING AND ANALYSIS

The telemetered seismic data recorded on 16 mm film are processed manually to yield information on first P-arrivals, directions of first motions, maximum amplitudes, and signal durations. These data are then processed by computer to give origin time, hypocenter location, magnitude, and fault plane solution of the earthquakes using the HYPO71 computer program (Lee and Lahr, 1972). Each roll of film contains about 24 hours recording and is processed in the following steps: (1) scanning, (2) timing, (3) preparing punched cards, (4) batch processing by computer program HYPO71, (5) correcting errors, (6) adding data from other sources, (7) rerunning HYPO71, (8) analyzing poor solutions, and (9) eliminating explosions.

In the routine data processing, local events with signal duration of 10 seconds or more are always timed. This corresponds to a cutoff at about magnitude 1 for events within the NCER network. Some smaller

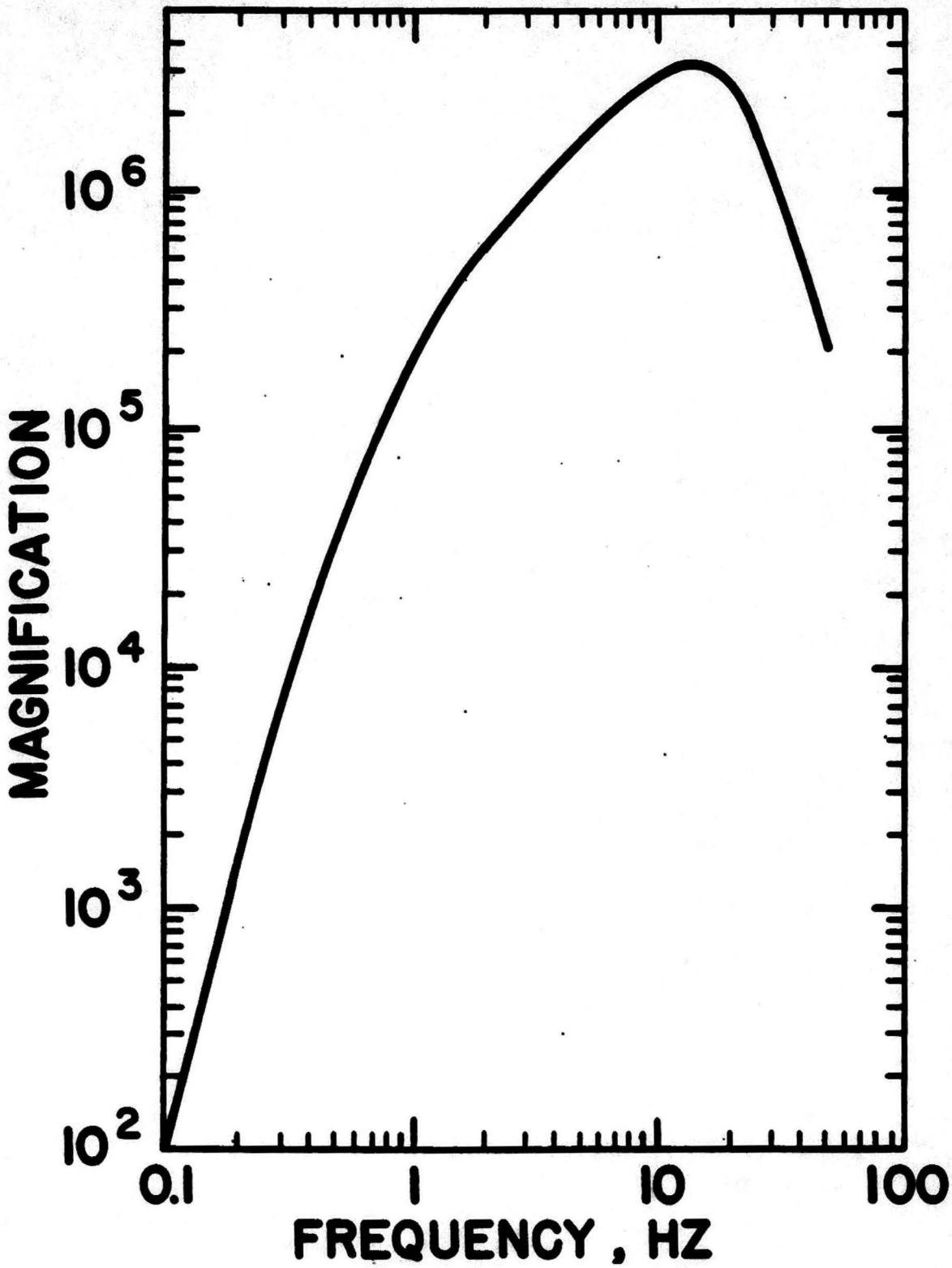

Figure 2. System response of a typical NCER telemetered seismograph station. This magnification curve is obtained for a typical system (L-4C seismometer, Develco VCO/Amplifier, Develco Discriminator, and Geotech Develocorder) with electronic gains adjusted to produce a 10 mm peak-to-peak record amplitude when a 10 μv rms, 5 Hz, calibration signal is introduced in place of the seismometer.

TABLE I. STATION DATA*

TABLE 1A. NCER TELEMETERED STATIONS

CODE	LAT N	LONG W	ELV	K	D(E)	D(N)	NOTE **
ABP	37-56.35	122-45.93	140	2	(3.5)	(3.5)	
ALM	37- 9.50	121-50.82	244	1	1.6	1.8	
AND	37- 9.74	121-37.45	244	1	3.0	3.2	
ANG	37-51.68	122-25.77	223	1	2.2	2.2	
ANZ	36-93.08	121-35.45	122	2	4.4	1.4	
ARN	37-20.96	121-31.96	628	1	3.9	4.2	
BBR	38-15.65	122-32.99	137	1	2.2	2.2	
BCR	37- 9.62	122- 1.57	660	2	3.7	4.7	
BEN	36-30.60	121- 4.93	448	2	3.4	3.8	
BGH	37-20.52	122-20.34	158	2	3.8	3.8	
BGM	36-35.48	121- 1.92	1217	1	(3.5)	(3.5)	
BOL	37-48.97	122- 3.72	610	1	4.6	5.0	
BRO	38- 0.48	120-24.92	387	1	(3.5)	(3.5)	
BTN	36-18.90	120-55.75	381	2	2.1	2.1	
BVL	36-34.51	121-11.34	510	2	3.1	0.6	
BWR	37-55.45	122- 6.40	221	1	5.1	5.1	
CAL	37-27.07	121-47.95	265	1	4.9	4.3	
CAN	37- 1.52	121-29.02	332	1	3.6	5.0	
CAR	38-19.28	122-47.73	98	1	2.2	2.2	
CAS	35-55.90	120-20.22	1189	1	5.2	5.2	
CBO	37- 6.71	121-41.33	192	1	2.2	2.7	
CCR	37-47.30	121-57.00	185	1	7.1	7.1	
CDR	38-22.19	122-27.70	620	1	2.2	2.2	
CHR	36-57.46	121-35.01	241	1	2.1	3.6	
CMR	36-42.55	121-20.60	305	2	4.8	0.7	
CNS	37-56.33	120-31.76	373	1	(3.5)	(3.5)	
CUE	37-15.46	121-40.35	366	1	5.9	6.8	
COP	37-58.36	120-37.02	336	1	(3.5)	(3.5)	
CRH	38- 1.12	120-30.57	475	1	(3.5)	(3.5)	
CYH	37-13.54	122- 5.62	38	1	2.5	3.2	
DIL	36-50.12	121-38.64	204	2	3.2	2.2	
DUO	37-43.80	121-50.12	198	1	6.8	6.8	
DUR	38- 1.78	122- 0.05	168	1	5.4	5.4	
EGR	37- 2.11	122- 6.25	442	2	1.7	1.7	
EKH	36-39.88	121-10.45	347	1	1.6	4.0	
EMM	36-39.68	121- 5.76	488	1	0.8	2.2	
EUC	37- 3.04	121-48.56	438	2	3.0	3.8	
FAR	37-41.40	123- 0.00	107	2	1.3	1.3	
FEL	36-59.00	121-24.09	323	1	(3.5)	(3.5)	
FRP	36-45.22	121-29.43	705	2	2.2	0.8	
FWL	38- 1.17	120-35.00	880	1	(3.5)	(3.5)	
GDM	35-49.86	120-21.17	433	1	3.3	3.4	
GHS	37- 5.75	121-26.83	778	1	2.3	4.4	
GVR	38-16.84	122-12.89	257	1	5.2	5.2	
HER	36-22.38	120-49.13	750	1	4.3	0.8	
HMR	38- 9.28	121-48.02	65	1	6.3	6.3	
JHC	36-32.82	121-23.93	207	2	0.9	0.9	
JOL	36- 5.02	121-10.15	336	2	2.1	1.1	
LNS	38- 9.15	122-42.75	120	1	1.9	1.9	
LOR	36-14.79	121- 2.98	308	2	0.1	0.1	
LRV	36-25.46	121- 1.08	995	2	5.5	2.1	
LTR	36-53.07	121-18.49	183	1	3.0	4.5	
LTW	37-21.22	122-12.25	270	2	3.8	3.4	
MCR	37-53.17	120-30.40	362	1	(3.5)	(3.5)	
MGA	37-38.22	122-28.43	201	2	2.4	2.4	
MHR	37-21.57	121-45.38	518	1	5.3	6.2	
MIL	37-46.88	122-10.55	90	1	(3.5)	(3.5)	
MIX	38-24.68	122- 3.44	177	1	(3.5)	(3.5)	
MNR	37-35.68	121-38.22	500	1	4.6	4.6	
MOD	37-27.01	122-11.00	21	1	3.8	2.6	
MON	36-36.03	121-55.06	192	2	1.1	1.1	
MUP	36-12.91	120-47.69	784	2	1.8	1.9	
MOH	37-48.68	121-48.15	792	1	6.6	6.6	
MWS	38-33.03	122-43.37	134	1	3.3	3.3	
OBF	37-54.00	120-34.04	176	1	(3.5)	(3.5)	
OCR	36-55.03	121-30.46	98	1	3.0	4.4	
PAL	37-37.88	121-57.37	463	1	4.3	4.1	
PCL	37- 3.13	121-17.40	152	1	2.2	3.6	
PES	37-11.94	122-20.90	84	2	3.2	2.5	
PKP	35-52.91	120-24.81	469	1	4.3	5.3	

TABLE 1A. NCER TELEMETERED STATIONS (CONTINUED)

CODE	LAT N	LONG W	ELV	K	D(E)	D(N)	NOTE **
PKM	36-51.38	121-24.37	122	1	4.6	6.5	
PNR	36-57.19	121-41.70	94	2	3.7	5.5	
PNC	36-33.73	121-30.18	305	2	1.8	1.6	
PTV	36- 6.90	120-43.27	506	2	1.9	1.9	
QSA	36-50.82	121-12.76	536	1	3.1	4.0	
RUS	37-34.75	121-54.33	331	1	4.8	4.8	
SAL	37-36.56	122-25.40	335	2	2.2	2.2	
SAN	37-12.74	122-10.06	202	2	(3.5)	(3.5)	
SBCC	34-56.48	120-10.32	610	2	(3.5)	(3.5)	
SBCD	34-22.12	119-20.63	213	2	(3.5)	(3.5)	
SBLC	34-29.79	119-42.81	1190	2	(3.5)	(3.5)	
SBLG	34- 6.97	119- 3.85	419	2	(3.5)	(3.5)	
SBLP	34-33.62	120-24.03	134	2	(3.5)	(3.5)	
SBSC	33-59.68	119-37.99	457	2	(3.5)	(3.5)	
SBSM	34- 2.25	120-20.99	172	2	(3.5)	(3.5)	
SBSN	33-14.78	119-30.40	259	2	(3.5)	(3.5)	
SFT	37-24.31	122-10.55	143	1	4.0	4.0	
SHS	36-24.83	121-15.22	192	2	0.5	0.1	
SNR	38-31.28	122-34.43	328	1	2.0	2.0	
SJG	36-47.88	121-34.43	171	2	3.0	1.5	
SPT	38-10.96	122-27.28	88	1	2.2	2.2	
SRS	36-40.11	121-31.13	399	2	1.4	0.5	
STJ	37-20.03	122- 9.48	122	1	6.1	4.1	
STN	37-24.27	120-24.29	366	1	(3.5)	(3.5)	
STV	37-17.07	122- 7.42	357	2	3.0	3.0	
SVC	37-17.11	121-46.35	128	1	5.4	4.8	
TAV	35-56.73	120-28.45	552	1	4.3	5.6	
TMN	38-23.15	122-40.83	105	1	2.7	2.7	
WDS	37-25.08	122-16.33	280	2	3.3	2.5	
WWW	38-27.42	122-53.26	50	1	1.6	1.6	
WKR	35-48.87	120-30.67	903	2	4.2	4.4	

** THIS COLUMN INDICATES THE OPERATION PERIOD. IF IT IS BLANK THEN THIS STATION HAS BEEN OPERATED CONTINUOUSLY DURING THE SECOND QUARTER 1972.

TABLE 1B. STATIONS OPERATED BY OTHER INSTITUTIONS

CODE	LAT N	LONG W	ELV	K	D(E)	D(N)
BKS	37-52.60	122-14.10	276	1	2.4	2.4
BRK	37-52.48	122-15.60	81	1	2.4	2.4
FMC	40-48.10	123-99.10	610	1	(3.5)	(3.5)
FRI	36-59.50	119-42.50	119	1	(3.5)	(3.5)
GCC	37- 1.80	121-59.80	122	2	1.7	1.7
JAS	37-56.80	120-26.30	497	1	(3.5)	(3.5)
LLA	36-37.00	120-56.60	475	1	1.5	2.1
MHC	37-20.50	121-38.50	1282	1	4.5	5.0
MIN	40-20.70	121-36.30	1495	1	(3.5)	(3.5)
ORV	39-33.33	121-30.00	362	1	(3.5)	(3.5)
PCC	37-30.00	122-22.90	91	2	3.7	3.7
PRI	36- 8.50	120-39.90	1187	1	4.0	4.0
PRS	36-19.90	121-22.20	363	2	1.1	1.1
SAO	36-45.90	121-26.70	350	2	2.7	1.0
SAC	37-34.95	122-25.03	207	2	2.2	2.2
SPR	37-47.20	122-23.37	6	1	1.9	1.9
SLD	37- 4.48	121-13.23	443	1	2.3	5.2
STC	36-38.10	121-14.00	259	2	5.5	1.9
MOH	39-24.10	120- 9.98	1804	1	(3.5)	(3.5)
CBC	36-55.80	121-39.63	219	2	4.4	3.2
CAC	37-14.50	122- 7.87	607	2	4.0	4.4
MCC	36-58.88	121-43.35	159	2	4.0	4.2
MDC	37-52.90	121-54.85	1173	1	4.8	4.8
ULC	38- 2.38	122-47.98	30	2	2.6	2.4
SMC	38-40.22	122-38.03	1200	1	(3.5)	(3.5)

* LAT and LONG are latitude and longitude in degrees and minutes. ELV is elevation in meters. D(E) and D(N) are given in kilometers. See text (p. 10) for explanation of K, D(E), and D(N).

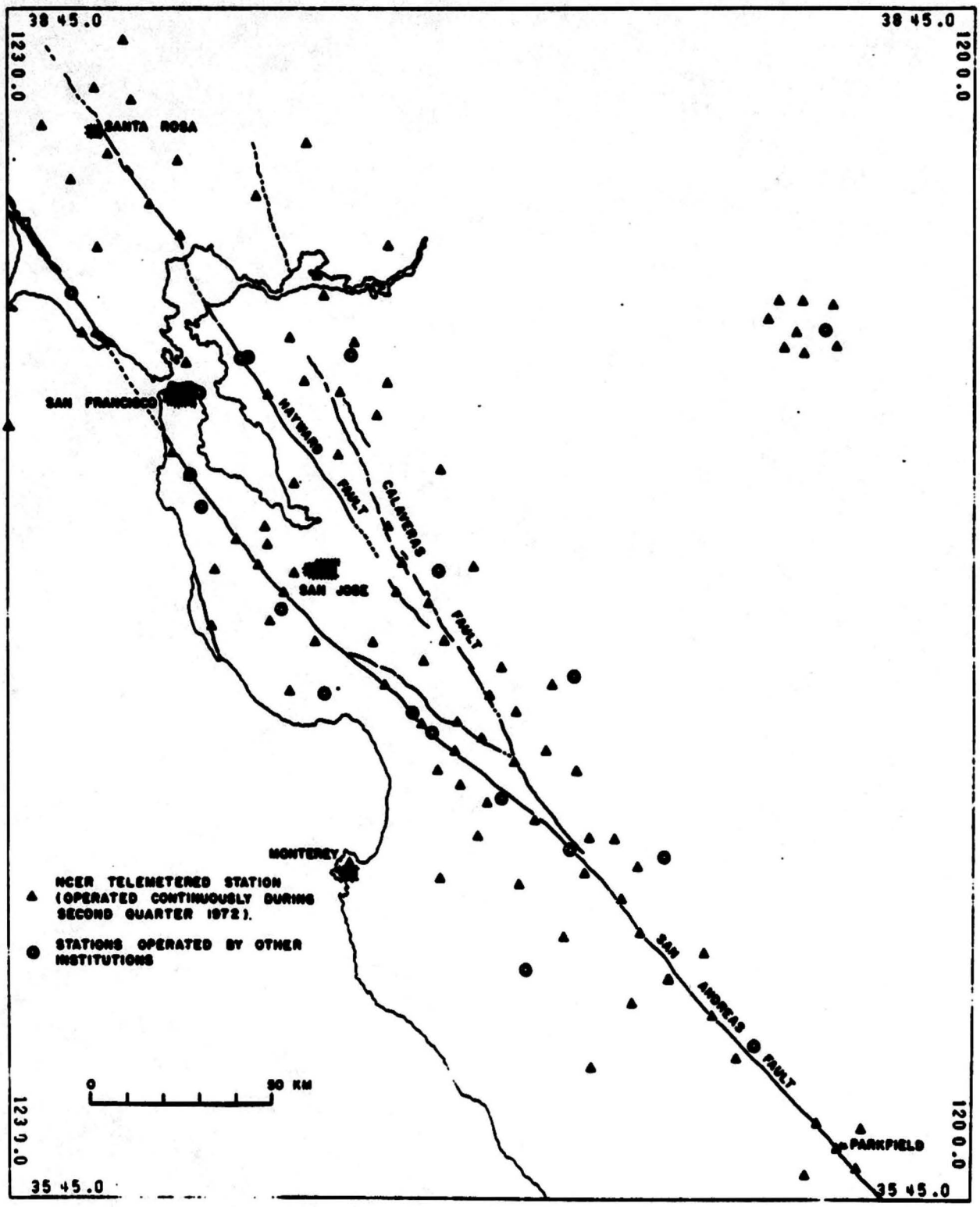

Figure 3. Map showing principal seismograph stations used in locating earthquakes.

events for which 6 clear first arrivals can be obtained are also timed. The magnitude cutoff for events outside, but near the NCER network, is somewhat larger than 1. The catalog of earthquakes reported here contains all hypocenter solutions obtained. Because the station coverage is not uniform and because some events outside the network are reported, the cutoff for small magnitudes is not uniform over the entire area reported.

Location of earthquakes was based mainly on first P-arrivals. When an adequate location could not be obtained using P-arrivals alone, S-arrivals were used to supplement the P-arrivals whenever possible. The HYPO71 computer program uses Geiger's method (Geiger, 1912) to determine hypocenters by minimizing the residuals between observed and calculated arrivals in a least-squares sense. Traveltimes from a trial hypocenter to the stations and their partial derivatives are computed on the assumption of a horizontal multilayer model by a technique introduced by Eaton (1969).

The crustal velocity model used was derived mostly from analysis of explosion data by Wesson and others (in preparation). It is specified by:

Layer	Depth (km)	P-velocity (km/sec)	S-velocity (km/sec)
1	0 to D	4.0	2.2
2	D to 15	5.9	3.3
3	15 to 25	6.8	3.8
4	below 25	8.05	4.5

The variable boundary between the first and second layer (depth D) is determined for each station from time-term analysis of explosion data whenever they are available. The variable first layer in the crustal model is an approximation to the sedimentary layer above the Pg refractor. To permit sharp changes in sediment thickness across the San Andreas fault, two D values for each station were determined: one for sources east of the fault, and the other for sources west of the fault. The set of D values to be used in the program is determined by the location relative to the fault of the station with the earliest P-arrival time. For example, if the earliest P-arrival occurs at a station west of the fault, then the set of D values appropriate to the sources on the west side, D(W), of the fault is selected. Table 1 shows values of D in kilometers at each station for sources east [D(E)] and west [D(W)] of the San Andreas fault as well as the location of the stations relative to the fault (K=1 for east, and K=2 for west). An assumed value for D of 3.5 km (about the median of the calculated values) is given in parentheses if a value could not be determined from the explosion data.

The method used for estimating the Richter magnitude of the earthquakes has been described by Lee and others (1972a). In brief, the magnitude of an earthquake is based on the average of magnitudes estimated at various stations. Station magnitude (M) is derived from its recorded signal duration [τ] according to:

$$M = -0.87 + 2.00 \log (\tau) + 0.0035\ \Delta \qquad [1]$$

where Δ is the epicentral distance in kilometers. The signal duration is defined as the duration time in seconds from the onset of the first

P-arrival to the point where the trace amplitude (peak-to-peak) falls below 1 cm as it appears on the Geotech film viewer.

For earthquakes with Richter magnitudes of 3.5 and below, equation [1] gives a good estimate of the magnitude; however, for Richter magnitudes above 3.5, the relationship between signal duration and magnitude is still under investigation.

Therefore, for earthquakes with magnitude greater than 3.5, we calculated the local magnitude following Richter (1942) using records obtained from the UCB Wood-Anderson seismographs at Berkeley and Mount Hamilton. The earthquakes for which the Richter magnitude has been determined from Wood-Anderson records are so indicated in the catalog.

A substantial effort has been made to identify explosions so as to eliminate them from the catalog. Explosions can be identified on the basis of several criteria: location at a known quarry or blasting site, shallow focal depth, time of day, focal mechanism or through correspondence with quarry operators. During the second quarter of 1972 146 blasts were identified and eliminated from the catalog.

DISCUSSION OF CATALOG

The parameters for the earthquakes listed in the Appendix include the origin time, location of hypocenter (epicenter and focal depth), magnitude, and number of stations used in the location. In addition, five other parameters are listed so that an evaluation of the quality of the hypocenter solution may be made. These parameters are: (1) the largest azimuthal separation between stations, GAP, (2) epicentral

distance to the nearest station, DMIN, (3) root-mean-square error of the time residuals, RMS, (4) standard error of the epicenter, ERH, and (5) standard error of the focal depth, ERZ. Based on these parameters, the general reliability of each earthquake solution is graded as either excellent (A), good (B), fair (C), or poor (D). Exact rules of quality classification are given in the Appendix.

A brief discussion on the accuracy of hypocenter determinations has been given by Lee and others (1971). To obtain a reliable epicenter, GAP should be less than 180°; to obtain a reliable focal depth, DMIN should be less than the focal depth. In addition, systematic errors arise from uncertainties in the crustal velocity model. These errors cannot be determined except through controlled experiments, e.g., known explosions in the focal region. Because we present all hypocenter solutions of earthquakes in the region we studied, their quality varies. Although standard errors of epicenter and focal depth (ERH and ERZ) are given, they must be interpreted with caution, especially for quality C and D solutions. Hypocenter solutions for known blasts distributed through the San Francisco Bay region indicate that the true positions are within the standard error limits of the solutions, provided that the conditions GAP <180° and DMIN is within a few kilometers are met. For example, comparison of locations determined for well-recorded quarry blasts (solution quality A) with the known coordinates indicate a typical error of about 1 km. As suggested by known blasts, a general statement on the accuracy of our hypocenter solutions is as follows:

Solution Quality	Approximate accuracy in Epicenter	Focal Depth
A (excellent)	1 km	2 km
B (good)	2.5 km	5 km
C (fair)	5 km	>5 km
D (poor)	> 5 km	>5 km

Epicenters given in the Appendix are plotted according to magnitude in Figure 4.

The dashed lines in Figure 4 indicate the boundaries of the NCER seismograph network as it existed during the second quarter of 1972. We feel that the hypocenters listed in the Appendix represent a nearly complete set of earthquakes above magnitude 1 within these boundaries and that these earthquakes are generally well located. Earthquakes outside the dashed boundaries in Figure 4 tend to be less well located, depending on their distance from the network and their relationship to its geometry. Further, the minimum magnitude event that we can detect and locate increases with increasing distance from the network. For earthquakes outside the network, which yielded unsatisfactory locations on the basis of P-first-arrivals alone, S-arrivals were included whenever possible.

We believe that the precision of the earthquake locations (or the relative locations) is better than the absolute accuracy of the earthquake locations. Despite our attempts to model the laterally inhomogeneous nature of the velocity structure within the earth's crust using the variable-thickness surface layer, we suspect that the locations within certain parts of the area included in the boundaries of the network

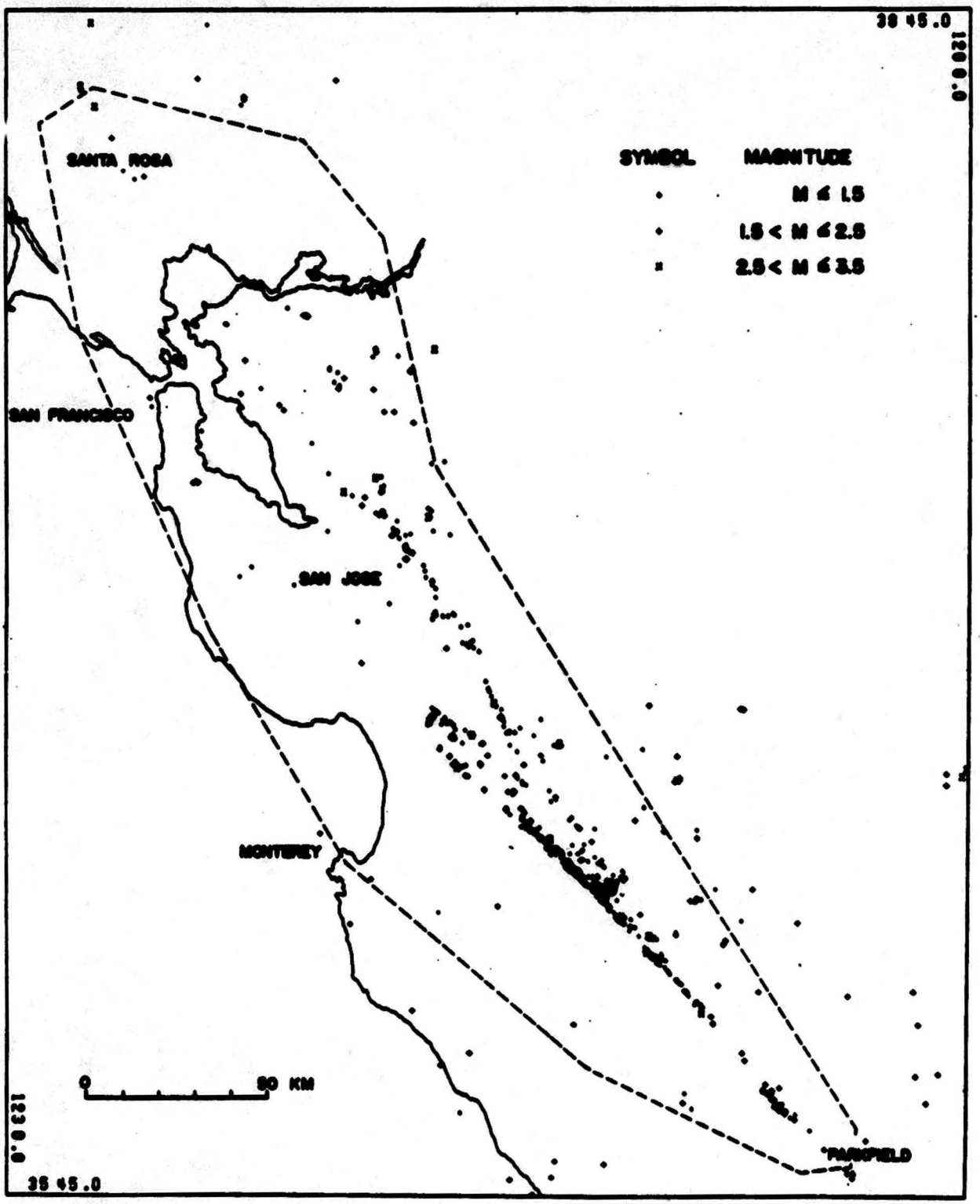

Figure 4. Map showing earthquake epicenters reported in the Appendix. Earthquakes in the region enclosed by the dashed line are generally well recorded and located.

may be systematically biased by as much as 2-3 km (Mayer-Rosa, in preparation).

Some of the earthquakes listed in this catalog are multiple events, that is, earthquakes from a given source region which occur in such rapid succession that the seismographs are still recording arrivals from one earthquake when the first arrivals from a following earthquake begin to appear. Depending on the size of the individual events and their separation in time, it may be possible to accurately time and locate the later event(s). Sometimes, however, this is not possible.

The contents of the Appendix, and the data set from which it was derived, may be obtained in forms amenable to computer input (punch cards or magnetic tape) by contacting the authors. Copies of Figure 4 at a scale of 1:500,000 are also available.

ACKNOWLEDGMENTS

Some of the arrival times used in this study were obtained through the courtesy of the Seismograph Stations, University of California, Berkeley, the Earthquake Mechanism Laboratory, San Francisco, and the California Department of Water Resources, Sacramento. We thank Drs. B. A. Bolt and Don Tocher, Directors of the first two institutions, and Mr. Paul Morrison of the last institution, for their cooperation. Messrs. Roy Miller of UCB and Mike Blackford of EML and their staffs offered generous help with their data and records. We are indebted to many quarry operators for helping us to eliminate blasts from the earthquake catalog.

We are grateful to Wayne Jackson, John Van Schaack, Ron Kadarabek, and their associates for operating the NCER seismograph stations and telemetry network. We thank Sharon Kirkman, Evelyn Matamoros and William Kilsworth for their help in various phases of data processing and R. A. Page, Jr. and D. P. Hill for their comments on the manuscript.

We are most deeply indebted to J. P. Eaton and W. H. K. Lee of NCER for their development of the techniques and computer programs which have made the preparation of this catalog a routine production.

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APPENDIX: CATALOG OF EARTHQUAKES (January - March, 1972)

Earthquakes along the San Andreas fault system in central California for January - March, 1972 are listed chronologically in this Appendix. The following data are given for each event:

(1) Origin time in Greenwich Civil Time (GCT): date, hour (HR), minute (MN), and second (SEC). To convert to Pacific Standard Time (PST) subtract eight hours.

(2) Epicenter in degrees and minutes of north latitude (LAT N) and west longitude (LONG W).

(3) DEPTH, depth of focus in kilometers. If '*' follows the DEPTH, it means that the focal depth is restricted.

(4) MAG, local magnitude of the earthquake. If "R" follows the magnitude, it indicates the Richter magnitude calculated from Wood-Anderson seismograph records.

(5) NO, number of stations used in locating earthquake.

(6) GAP, largest azimuthal separation in degrees between stations.

(7) DMIN, epicentral distance in kilometers to the nearest station.

(8) RMS, root-mean-square error of the time residuals:

$$RMS = \sqrt{\sum_{i} R_i^2 / NO}$$

where R_i is the observed seismic-wave arrival time minus the computed time at the i^{th} station.

(9) ERH, standard error of the epicenter in kilometers:

$$ERH = \sqrt{SDX^2 + SDY^2}$$

where SDX and SDY are the standard errors in latitude and longitude, respectively, of the epicenter.

(10) ERZ, standard error of the depth in kilometers.

(11) Q, solution quality of the hypocenter. This measure is intended to indicate the general reliability of each solution.

Q	Epicenter	Focal Depth
A	excellent	good
B	good	fair
C	fair	poor
D	poor	poor

Q is based on both the nature of the station distribution with respect to the earthquake and the statistical measure of the solution. These two factors are each rated independently according to the following schemes:

Station Distribution

	NO	GAP	DMIN
A	≥ 6	$\leq 90°$	$\leq$ DEPTH or 5 km
B	≥ 6	$\leq 135°$	$\leq$ 2 X DEPTH or 10 km
C	≥ 6	$\leq 180°$	$\leq$ 50 km
D	Others		

Statistical Measures

	RMS (sec)	ERH (km)	ERZ (km)
A	< 0.15	< 1.0	< 2.0
B	< 0.30	< 2.5	< 5.0
C	< 0.50	< 5.0	
D	Others		

Q is taken as the average of the ratings from the two schemes, i.e., an A and a C yield a B, and two B's yield a B. When the two ratings are only one level apart the lower one is used, i.e., an A and a B yield a B.

(12) QUADRANGLE, for earthquakes between 35° 37.5' and 38° 52.5' N. latitude and 120° 00.0' and 123° 45.0' W. longitude, QUADRANGLE indicates the name of the U.S. Geological Survey 7.5 quadrangle (or quadrant of 15' quadrangle), on which the epicenter is located. For earthquakes offshore or outside the designated area, the entry is starred and indicates the general geographic area in which the epicenter is located, for example, "*** MONTEREY BAY ***".

CENTRAL CALIFORNIA EARTHQUAKES--SECOND QUARTER 1972

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR 1	4	37	34.5	36-49.4	120- 3.4	10.2	2.4	13	135	36.3	0.20	2.0	2.8	C	BIOLA
1	5	43	30.8	36-47.7	120- 3.4	3.4	2.4	11	140	38.0	0.16	1.2	1.2	C	BIOLA
1	6	9	15.8	36-49.0	120- 0.6	4.4	2.9	18	143	33.2	0.18	1.2	1.2	C	BIOLA
1	11	34	52.4	36-12.4	120-47.1	4.9	2.0	9	145	1.2	0.15	1.1	0.9	C	MONARCH PEAK
1	18	56	15.0	35-58.8	120-35.1	1.1	1.6	6	139	10.7	0.06	0.8	0.6	B	STOCKDALE MTN
1	20	1	27.3	37-50.2	121-57.1	6.5	0.9	7	113	5.4	0.05	0.4	0.3	B	DIABLO
1	22	45	42.0	36-31.3	121- 5.7	14.5	0.6	6	150	2.2	0.01	0.2	0.3	B	SAN BENITO
1	23	37	9.8	36-37.7	121-16.5	4.0	1.1	10	54	3.8	0.07	0.4	0.3	A	PAICINES
2	1	7	36.9	36-39.7	121-19.3	3.9	1.1	10	109	5.7	0.12	0.6	0.6	B	PAICINES
2	2	4	29.3	36-34.0	121-12.0	6.6	2.2	19	67	1.4	0.10	0.3	0.8	A	BICKMORE CANYON
2	2	6	20.7	36-33.9	121-11.9	6.7	2.1	18	67	1.4	0.10	0.4	0.8	A	BICKMORE CANYON
2	2	17	57.8	37-26.1	121-46.1	6.2	1.1	11	81	3.3	0.13	0.7	1.4	A	CALAVERAS RESERVOIR
2	4	29	37.9	36-31.3	121- 6.6	8.4	1.1	9	85	3.3	0.09	0.6	1.2	A	SAN BENITO
2	5	32	57.6	36-35.3	121-13.8	6.3	2.7	28	66	4.0	0.14	0.4	0.5	A	BICKMORE CANYON
2	5	34	8.5	36-35.4	121-13.9	7.7	2.4	21	66	4.1	0.12	0.4	1.0	A	BICKMORE CANYON
2	5	38	37.1	36-35.5	121-14.0	6.9	1.9	15	65	4.4	0.10	0.4	1.0	A	BICKMORE CANYON
2	5	45	52.4	36-35.4	121-13.7	7.2	2.2	21	65	3.8	0.14	0.5	1.1	A	BICKMORE CANYON
2	5	52	7.2	36-35.4	121-13.9	7.3	2.1	20	66	4.2	0.10	0.3	0.8	A	BICKMORE CANYON
2	5	53	4.0	36-35.4	121-13.7	6.4	1.6	15	66	3.9	0.08	0.3	0.8	A	BICKMORE CANYON
2	6	0	2.0	36-31.2	121- 8.6	7.0	0.5	6	119	6.2	0.07	0.8	1.9	B	BICKMORE CANYON
2	6	42	22.7	36-35.2	121-13.7	6.6	1.8	16	66	3.7	0.08	0.3	0.8	A	BICKMORE CANYON
2	6	48	2.1	36-50.1	119-59.7	5.2	2.7	17	141	30.9	0.30	2.1	1.8	C	***NW OF FRESNO***
2	16	27	39.6	36-35.4	121-13.8	5.8	0.8	8	71	4.1	0.04	0.3	0.5	A	BICKMORE CANYON
2	16	40	2.7	36-31.3	121- 7.1	8.3	0.8	7	88	4.0	0.07	0.6	1.4	A	SAN BENITO
2	17	37	1.0	36-27.2	121- 4.3	5.3	1.6	14	96	5.8	0.08	0.4	1.0	B	NE 1/4 GREENFIELD
2	18	46	52.6	36-31.2	121- 7.4	9.4	0.9	9	86	4.4	0.07	0.5	1.1	A	SAN BENITO
3	1	26	56.7	36-33.2	121-11.4	7.6	0.6	7	96	2.4	0.07	0.7	1.1	B	BICKMORE CANYON
3	3	15	4.8	36- 1.4	120-37.5	5.8	2.5	19	126	12.8	0.21	1.2	2.0	C	SW 1/4 PRIEST VALLEY
3	3	47	22.7	35-58.2	120-34.1	2.4	1.8	9	138	8.9	0.08	0.7	0.4	B	STOCKDALE MTN
3	8	23	33.6	36-30.5	121- 6.6	8.1	0.5	8	92	3.1	0.08	0.6	1.4	B	SAN BENITO
3	9	43	2.3	36-36.4	121-10.9	9.4	1.2	9	62	3.6	0.11	0.9	1.8	A	BICKMORE CANYON
3	11	26	15.0	36-37.8	121-16.1	4.6	1.2	12	54	3.3	0.09	0.4	1.0	A	PAICINES
3	12	49	30.6	36-30.6	121- 6.8	8.0	0.7	8	92	3.4	0.05	0.4	0.8	B	SAN BENITO
3	13	48	19.3	36-59.4	121-39.4	5.0	0.8	7	88	5.3	0.07	0.6	0.6	B	WATSONVILLE EAST
3	15	51	59.1	37-20.9	121-45.5	5.8	1.2	8	108	1.2	0.12	0.9	0.7	B	SAN JOSE EAST
3	16	28	34.8	36-32.7	121-10.6	7.1	2.2	16	66	3.6	0.08	0.3	0.8	A	BICKMORE CANYON
3	19	45	26.1	36-31.9	121- 5.3	8.2	1.0	8	86	2.7	0.11	0.8	1.5	A	SAN BENITO
3	21	51	23.1	36-36.1	121-14.0	4.0	1.3	9	74	3.8	0.06	0.3	0.4	A	BICKMORE CANYON
3	22	18	58.8	36-59.8	120-58.8	3.8	2.0	11	237	27.5	0.15	2.1	1.0	C	ORTIGALITA PEAK NW
4	3	51	32.8	36-33.8	121- 9.9	8.0	1.3	8	66	2.5	0.09	0.6	1.4	A	BICKMORE CANYON
4	4	20	26.3	35-59.4	120-52.4	11.7	1.9	15	171	19.0	0.15	1.0	1.1	C	WUNPOST
4	13	10	48.2	36-35.9	121- 8.0	9.0	1.8	12	68	5.5	0.13	0.7	1.3	A	BICKMORE CANYON
4	14	39	55.6	36-31.6	121- 5.6	8.8	1.0	8	85	2.5	0.09	0.7	1.4	A	SAN BENITO
4	15	19	55.0	37-46.9	122-15.4	7.1	2.0	18	67	7.1	0.11	0.4	1.1	A	OAKLAND WEST
4	15	46	20.9	36-30.8	121- 8.2	9.1	1.3	9	91	5.5	0.07	0.4	1.0	B	BICKMORE CANYON

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR	4	16	33	10.7	36-31.1	121- 7.1	9.9	1.1	7	95	4.0	0.08	0.8	1.8	B SAN BENITO
	4	20	12	22.2	36-31.7	121- 5.9	9.4	1.5	10	81	2.9	0.10	0.6	1.1	A SAN BENITO
	4	20	39	17.2	36-37.7	121-16.2	4.7	1.6	14	54	3.4	0.09	0.4	0.8	A PAICINES
	4	21	8	38.0	37-19.2	122-15.4	6.2	1.5	11	77	5.9	0.11	0.6	0.7	A LA HONDA
	4	21	9	59.8	36-31.3	121- 6.7	9.0	1.2	8	85	3.4	0.08	0.6	1.4	A SAN BENITO
	5	2	5	45.2	36-38.1	121-17.8	9.1	2.4	32	54	5.7	0.13	0.3	0.7	A PAICINES
	5	4	53	40.5	37-25.7	121-43.4	0.0	1.0	9	95	7.1	0.10	0.5	0.5	B MT DAY
	5	7	17	3.3	36-31.9	121- 4.9	9.6	0.9	6	159	2.4	0.12	1.7	2.8	C SAN BENITO
	5	7	35	36.3	36-30.2	121- 4.6	14.1	0.2	6	274	0.8	0.04	1.0	0.7	C SAN BENITO
	5	9	24	18.1	36-36.0	121-14.5	5.7	0.8	8	122	3.9	0.04	0.3	0.6	B BICKMORE CANYON
	5	10	21	1.3	36-32.7	121-10.8	7.2	2.1	20	66	3.4	0.08	0.3	0.7	A BICKMORE CANYON
	5	10	40	17.5	36-32.9	121-10.7	8.1	2.2	21	65	3.1	0.10	0.3	0.7	A BICKMORE CANYON
	5	20	40	43.6	36-56.1	121-34.9	6.0	1.3	9	74	2.5	0.06	0.4	0.7	A CHITTENDEN
	6	2	12	59.8	36-32.3	121- 9.3	3.4	1.8	11	77	5.2	0.09	0.5	0.4	B BICKMORE CANYON
	6	2	26	20.7	36-31.2	121- 7.1	9.5	1.3	10	60	3.9	0.07	0.4	0.9	A SAN BENITO
	6	2	49	5.0	36-36.6	121-14.8	3.7	1.0	9	61	3.1	0.05	0.3	0.3	A BICKMORE CANYON
	6	12	47	43.4	36-41.2	121-19.1	9.8	1.1	12	68	3.3	0.10	0.5	1.2	A PAICINES
	6	12	57	45.9	36-31.3	121- 7.1	9.4	1.9	15	61	4.0	0.08	0.4	0.6	A SAN BENITO
	6	17	38	32.3	36-31.2	121- 7.2	8.8	1.4	10	87	4.1	0.07	0.4	1.0	A SAN BENITO
	6	19	20	2.6	36-24.7	120-58.5	13.2	3.0	26	119	4.1	0.14	0.6	0.4	B NW 1/4 HERNANDEZ VALLE
	6	19	23	1.2	36-24.4	120-57.4	15.1	0.9	7	123	5.8	0.07	0.9	1.1	B NW 1/4 HERNANDEZ VALLE
	6	19	31	28.9	36-24.8	120-58.8	13.0	2.8	25	72	3.6	0.14	0.6	0.4	A NW 1/4 HERNANDEZ VALLE
	6	21	21	52.8	36-30.5	121- 6.4	8.5	1.2	9	92	2.8	0.09	0.6	1.1	B SAN BENITO
	6	22	55	25.4	37- 7.9	121-30.6	7.5	1.4	15	120	6.9	0.14	0.7	1.5	B MT SIZER
	7	6	20	1.9	36-28.7	121- 6.1	5.9	1.7	16	82	4.3	0.11	0.4	1.2	A NE 1/4 GREENFIELD
	7	8	7	24.5	36-33.4	121-11.0	5.0	3.4	31	65	2.1	0.16	0.4	0.6	B BICKMORE CANYON
	7	8	15	48.1	36-40.8	120-49.7	4.9	1.1	8	304	12.4	0.10	2.0	1.2	C NE 1/4 PANOCHE VALLEY
	7	8	44	7.4	36-33.3	121-10.8	3.7	2.8	30	65	2.3	0.16	0.5	0.4	B BICKMORE CANYON
	7	8	47	45.5	36-33.3	121-11.0	4.8	3.0	28	65	2.3	0.17	0.5	0.8	B BICKMORE CANYON
	7	8	58	51.1	36-33.7	121-10.9	3.0	2.0	19	64	1.7	0.12	0.4	0.4	A BICKMORE CANYON
	7	9	54	24.6	36-42.4	121-13.5	6.1	0.9	8	109	6.5	0.04	0.3	1.1	B CHERRY PEAK
	7	14	11	40.5	37-20.1	121-40.7	7.1	1.0	10	76	7.4	0.09	0.5	2.0	B LICK OBSERVATORY
	7	16	57	33.4	36-35.4	121-13.8	5.4	1.3	10	68	4.0	0.04	0.2	0.5	A BICKMORE CANYON
	7	17	26	2.4	37-34.2	121-50.1	6.4	3.1	44	75	12.6	0.17	0.4	0.5	B LA COSTA VALLEY
	7	18	43	22.3	36-48.9	121-32.5	4.9	1.4	17	47	3.5	0.15	0.6	0.8	B SAN JUAN BAUTISTA
	7	18	49	44.0	37-34.1	121-50.0	6.6	2.0	21	75	12.9	0.16	0.6	0.7	B LA COSTA VALLEY
	7	21	45	33.0	36-31.4	121- 6.5	8.8	0.6	6	83	3.4	0.08	0.9	1.9	A SAN BENITO
	7	22	50	42.0	36-31.5	121- 6.2	13.1	0.5	6	130	3.0	0.09	1.3	2.7	B SAN BENITO
	7	23	37	19.7	36-24.3	120-58.6	11.9	2.3	19	116	4.3	0.14	0.6	0.7	B NW 1/4 HERNANDEZ VALLE
	8	7	26	35.3	36-28.3	121- 5.1	4.1	1.0	13	92	4.4	0.09	0.4	1.4	B NE 1/4 GREENFIELD
	8	11	57	57.1	36-13.5	120-48.9	7.5	3.1	28	95	2.1	0.24	1.0	0.9	B MONARCH PEAK
	8	12	38	0.9	36-57.3	121-25.9	5.2	0.6	10	76	4.1	0.09	0.5	1.5	A SAN FELIPE
	8	13	26	7.4	36-21.5	120-58.3	7.4	0.7	8	102	6.1	0.10	0.7	1.5	B SW 1/4 HERNANDEZ VALLE
	8	14	35	35.6	36-14.2	120-49.0	4.4	1.1	7	142	3.1	0.11	1.1	2.0	C MONARCH PEAK
	8	14	44	46.4	36-34.8	121-13.0	5.6	1.3	9	67	2.6	0.07	0.4	0.8	A BICKMORE CANYON

CENTRAL CALIFORNIA EARTHQUAKES--SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR	8	15	49	0.4	36-38.5	121-17.4	4.1	1.4	16	58	5.2	0.14	0.5	1.6	B	PAICINES
	8	15	57	23.6	36-41.6	121-21.6	4.3	2.2	26	57	2.3	0.15	0.4	0.6	B	PAICINES
	8	19	57	58.1	36-55.1	121-35.3	6.2	1.6	15	72	3.7	0.10	0.4	0.8	A	CHITTENDEN
	8	22	51	4.6	37-36.7	121-37.1	13.8	1.0	6	202	2.5	0.05	0.9	1.0	C	CEDAR MTN
	9	0	5	12.6	36-36.0	121-14.0	4.1	0.6	7	73	3.8	0.03	0.3	0.6	A	BICKMORE CANYON
	9	1	26	40.1	35-59.3	120-35.1	2.4	2.0	9	128	11.1	0.11	0.9	0.6	B	STOCKDALE MTN
	9	3	2	43.8	36-31.0	121- 7.8	10.1	0.6	6	127	4.9	0.05	0.6	1.3	B	BICKMORE CANYON
	9	4	56	55.9	36- 6.9	120-41.4	6.8	1.6	7	102	2.9	0.04	0.4	0.4	B	SW 1/4 PRIEST VALLEY
	9	6	42	40.7	36-33.2	121-10.6	3.5	1.4	10	68	2.6	0.06	0.3	0.4	A	BICKMORE CANYON
	9	13	18	8.2	37-26.0	121-46.4	6.4	1.6	18	80	3.0	0.14	0.6	1.3	A	CALAVERAS RESERVOIR
	9	22	53	41.2	36-38.1	121-15.9	5.1	1.2	11	56	2.8	0.07	0.4	0.8	A	PAICINES
	9	23	51	11.4	36-38.0	121-15.9	5.0	1.0	11	55	2.8	0.07	0.4	0.7	A	PAICINES
	10	8	3	21.8	36-41.4	121-21.3	4.4	2.0	18	59	2.3	0.13	0.4	0.6	A	PAICINES
	10	10	51	56.4	37-47.8	122-11.5	7.6	1.4	14	63	2.2	0.09	0.4	0.7	A	OAKLAND EAST
	10	14	44	55.9	35-58.7	120-35.0	1.2	1.5	7	139	10.5	0.07	0.8	0.6	B	STOCKDALE MTN
	10	17	26	34.6	36-36.3	121-14.5	4.5	1.2	9	61	3.4	0.08	0.5	1.2	A	BICKMORE CANYON
	10	19	33	21.4	36-27.4	121- 4.3	3.8	1.3	11	97	5.9	0.07	0.4	0.5	B	NE 1/4 GREENFIELD
	11	2	19	26.4	36-31.4	121- 5.8	7.2	1.2	9	84	2.4	0.10	0.6	1.2	A	SAN BENITO
	11	4	1	20.8	36-42.3	121-20.8	1.9	2.1	25	62	0.6	0.18	0.6	0.4	B	PAICINES
	11	8	39	19.1	36-42.0	121-21.0	2.7	2.1	22	61	1.1	0.15	0.5	0.4	B	PAICINES
	11	10	33	35.0	36-35.3	121-13.8	5.9	1.7	14	66	3.9	0.08	0.3	0.8	A	BICKMORE CANYON
	11	10	35	59.0	37-29.6	121-40.1	1.0	0.7	7	129	11.6	0.19	1.4	1.2	C	MT DAY
	11	15	16	25.8	36-34.8	121-12.3	2.5	1.0	7	69	1.5	0.07	0.5	0.5	A	BICKMORE CANYON
	11	16	6	11.0	37-47.7	121-57.1	6.6	1.5	10	108	0.7	0.15	0.8	0.6	B	DIABLO
	11	17	24	5.8	36-35.4	121-13.6	5.0	1.1	8	132	3.7	0.04	0.3	0.8	B	BICKMORE CANYON
	11	17	26	23.2	36-37.9	121-15.8	6.9	1.0	8	95	2.7	0.03	0.2	0.4	B	PAICINES
	11	17	42	33.9	36-31.1	121- 6.8	10.1	0.8	7	101	3.5	0.04	0.4	0.8	B	SAN BENITO
	11	19	26	38.9	36-30.1	121- 7.8	2.0	0.6	7	98	4.9	0.08	0.5	0.4	B	BICKMORE CANYON
	12	1	52	24.3	36-26.6	121- 3.4	4.8	1.8	14	101	4.0	0.07	0.3	0.8	B	NE 1/4 GREENFIELD
	12	2	14	37.5	36-54.0	121-29.8	3.9	1.5	16	71	2.2	0.09	0.3	0.4	A	SAN FELIPE
	12	2	33	24.4	36-34.9	121-12.2	2.8	0.9	8	87	1.5	0.07	0.4	0.4	A	BICKMORE CANYON
	12	5	15	4.9	36- 6.9	121-32.0	10.1	1.6	11	231	33.0	0.12	1.6	1.1	C	LOPEZ POINT
	12	7	4	14.6	36-53.9	121-30.2	3.5	1.0	10	82	2.1	0.07	0.4	0.7	A	CHITTENDEN
	12	7	28	50.2	36-16.2	120-51.9	3.5	1.4	10	113	7.6	0.20	1.1	6.2	C	SE 1/4 HERNANDEZ VALLEY
	12	8	18	53.4	36-54.0	121-29.9	3.2	1.1	13	77	2.0	0.13	0.5	0.6	A	SAN FELIPE
	12	9	30	27.6	36-34.9	121-13.2	6.3	1.7	16	67	2.9	0.09	0.3	0.8	A	BICKMORE CANYON
	12	9	40	2.4	36-30.9	121- 6.3	10.4	0.5	6	126	2.8	0.07	1.4	2.2	B	SAN BENITO
	12	14	27	29.4	37-33.7	122-23.8	6.4	1.8	13	136	2.9	0.14	0.8	0.7	B	MONTARA MTN
	12	15	35	11.0	36-39.6	120-49.7	6.3	1.5	9	254	11.3	0.11	2.3	4.2	C	NE 1/4 PANOCHE VALLEY
	13	2	10	6.4	36-26.1	121- 2.1	0.1	1.6	10	107	2.0	0.14	0.7	0.7	B	NE 1/4 GREENFIELD
	13	4	12	34.7	37- 9.6	121-31.7	10.0	0.8	10	120	8.5	0.08	0.5	1.5	B	MT SIZER
	13	4	49	57.7	36-37.3	121-11.9	10.1	1.1	9	88	3.4	0.15	1.4	2.4	B	BICKMORE CANYON
	13	15	50	10.4	36-44.1	121-22.6	6.1	2.3	21	55	4.2	0.16	0.5	0.8	B	MT HARLAN
	13	16	19	4.9	36-31.6	121- 6.3	9.5	1.1	7	121	3.1	0.12	1.0	2.0	B	SAN BENITO
	13	17	20	33.0	36- 2.2	120-37.1	4.9	1.5	7	154	12.2	0.22	4.2	2.8	C	SE 1/4 PRIEST VALLEY

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR 13	17	38	32.0	36-36.0	121-13.9	3.9	0.6	9	72	3.9	0.05	0.3	0.3	A	BICKMORE CANYON
13	18	57	46.8	36-43.5	121-21.8	6.4	1.5	8	87	2.5	0.10	0.9	1.3	A	PAICINES
13	21	12	23.3	36-43.8	121-22.1	5.5	1.3	8	85	3.3	0.09	0.7	1.2	A	PAICINES
14	5	55	43.0	36-53.1	120-59.9	1.1	1.2	9	254	20.0	0.11	1.8	2.2	C	ORTIGALITA PEAK NW
14	7	16	7.3	37-13.5	121-35.2	2.0	0.4	7	107	7.7	0.09	0.7	0.6	B	MT SIZER
14	10	46	49.1	36-29.2	121- 5.9	3.5	2.0	15	77	3.3	0.13	0.6	0.6	A	NE 1/4 GREENFIELD
14	11	45	27.0	35-48.4	120-20.8	4.1	1.7	6	269	2.7	0.12	3.6	0.8	D	CHOLAME VALLEY
14	15	49	24.1	36-29.8	121- 6.9	3.1	1.2	8	101	3.8	0.11	0.8	0.9	B	NE 1/4 GREENFIELD
15	1	54	34.3	36-31.4	121- 6.6	8.6	0.8	9	83	3.4	0.09	0.6	1.3	A	SAN BENITO
15	3	53	21.1	36-57.2	121-35.9	5.5	1.6	23	54	1.5	0.07	0.2	0.3	A	CHITTENDEN
15	8	28	29.7	35-48.0	121-16.8	8.7	1.8	16	239	33.1	0.18	2.4	1.0	C	BURRO MTN
15	16	27	16.3	36-35.4	121- 7.3	7.5	0.7	7	73	6.3	0.09	0.8	2.5	B	SAN BENITO
15	21	54	2.8	37-12.4	121-53.3	7.8	1.3	9	81	6.5	0.07	0.6	1.3	A	LOS GATOS
16	0	41	29.4	36-45.5	121-16.1	7.3	0.9	8	95	8.7	0.08	0.6	1.7	B	TRES PINOS
16	13	5	37.9	36-33.4	121-10.7	4.2	0.7	7	84	2.3	0.03	0.2	0.4	A	BICKMORE CANYON
16	13	28	18.4	36-33.3	121-10.7	3.9	0.4	7	85	2.4	0.01	0.1	0.1	A	BICKMORE CANYON
16	15	57	42.3	36-30.5	121- 6.9	7.6	1.1	7	93	3.5	0.09	0.8	1.7	B	SAN BENITO
16	17	19	56.8	36-47.7	121-21.7	7.5	0.7	6	152	9.6	0.06	0.9	2.4	C	TRES PINOS
16	21	59	10.5	36-33.0	121- 8.6	10.4	0.7	8	72	5.0	0.07	0.5	1.3	A	BICKMORE CANYON
17	1	23	32.8	36-34.4	121-12.0	3.7	1.4	13	65	1.1	0.07	0.3	0.3	A	BICKMORE CANYON
17	3	3	29.8	36-31.9	121- 6.9	8.5	0.6	8	73	4.3	0.10	0.8	1.7	A	SAN BENITO
17	5	46	28.6	36-32.3	121- 8.8	9.6	0.6	7	98	5.5	0.05	0.5	1.1	B	BICKMORE CANYON
17	8	48	25.0	37-28.5	121-48.4	5.8	1.6	19	86	2.7	0.14	0.5	0.6	A	CALAVERAS RESERVOIR
17	9	30	18.9	36-34.7	121-13.4	8.0	0.9	11	69	3.0	0.09	0.5	1.0	A	BICKMORE CANYON
17	11	1	42.6	36-31.8	121- 6.1	12.1	0.9	10	79	3.2	0.05	0.3	0.8	A	SAN BENITO
17	23	22	7.1	36-32.8	121-10.7	7.2	2.3	20	65	3.3	0.10	0.3	0.8	A	BICKMORE CANYON
18	3	43	34.9	37-45.2	122- 8.1	4.0	2.3	30	44	4.7	0.17	0.5	0.4	B	OAKLAND EAST
18	4	0	42.8	37-33.5	122-23.4	6.2	1.9	18	135	3.5	0.13	0.7	0.5	B	MONTARA MTN
18	8	41	18.6	36-50.5	121-33.5	2.9	0.6	6	70	5.0	0.07	0.6	0.6	A	SAN JUAN BAUTISTA
18	10	11	38.0	36-55.2	121-20.2	4.8	1.0	13	115	4.7	0.10	0.5	0.5	B	THREE SISTERS
18	16	32	47.7	36-35.7	121-13.8	4.2	1.2	10	65	4.2	0.03	0.2	0.5	A	BICKMORE CANYON
18	18	51	35.0	36-51.3	121-18.5	5.0	0.8	10	102	3.2	0.10	0.5	1.2	B	TRES PINOS
18	20	28	15.3	37-50.9	121-58.7	10.0	0.9	9	95	6.8	0.07	0.5	1.0	B	DIABLO
18	20	43	27.4	36-33.6	121-11.8	6.5	1.6	13	68	1.8	0.08	0.3	0.7	A	BICKMORE CANYON
19	0	17	23.4	35-45.3	121-20.3	6.4	2.3	18	246	39.6	0.16	2.7	1.5	D	BURRO MTN
19	0	21	24.4	36-17.2	120-45.8	8.4	2.0	10	163	8.5	0.09	0.8	1.1	B	SE 1/4 HERNANDEZ VALLEY
19	4	17	12.5	37-25.9	121-46.2	6.1	1.6	26	81	3.4	0.14	0.5	0.7	A	CALAVERAS RESERVOIR
19	5	41	4.3	37-25.6	121-44.4	3.1	0.7	6	177	5.9	0.02	0.2	0.1	B	MT DAY
19	7	39	11.4	36-13.9	120-48.8	6.5	2.4	15	138	2.5	0.21	1.1	1.7	C	MONARCH PEAK
19	8	48	43.4	36-38.7	121-10.8	9.7	0.5	7	76	2.3	0.14	1.5	2.5	B	CHERRY PEAK
19	13	6	30.7	35-59.9	120-36.1	1.4	1.6	12	143	12.9	0.10	0.8	0.6	B	STOCKDALE MTN
19	15	4	45.4	36-31.2	121- 7.0	9.6	1.5	8	86	3.8	0.09	0.8	1.9	A	SAN BENITO
20	1	37	31.8	37-11.7	121-34.0	3.5	1.1	11	126	6.3	0.08	0.4	0.3	B	MT SIZER
20	7	24	34.3	36-35.4	121-14.1	6.4	1.2	10	95	4.5	0.12	0.7	2.5	B	BICKMORE CANYON
20	12	7	26.9	36-31.5	121- 5.5	5.4	1.1	7	86	2.2	0.13	1.1	1.4	B	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES--SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR 20	15	42	54.0	36-34.6	121-13.6	13.1	0.9	7	103	3.4	0.11	1.1	3.4	B	BICKMORE CANYON
20	21	39	4.9	36-52.0	120-53.4	5.7	1.6	14	243	29.0	0.19	2.4	12.6	D	SW 1/4 ORTIGALITA PEAK
20	21	56	17.5	36-29.0	121- 5.8	1.1	0.7	6	109	3.5	0.07	0.7	0.6	B	NE 1/4 GREENFIELD
20	22	15	23.4	36-31.5	121- 9.1	8.6	1.4	11	59	6.4	0.06	0.3	0.7	A	BICKMORE CANYON
20	22	37	48.9	36-33.8	121-10.9	3.5	1.5	9	66	1.5	0.06	0.3	0.3	A	BICKMORE CANYON
21	2	10	46.0	36-31.7	121- 9.3	8.3	0.6	8	82	6.1	0.07	0.5	1.4	A	BICKMORE CANYON
21	5	8	26.1	37-13.3	121-36.4	4.5	0.4	7	169	6.8	0.07	0.6	0.4	B	MT SIZER
21	6	53	14.4	36-31.6	121- 6.0	9.5	1.0	9	81	2.9	0.10	0.7	1.3	A	SAN BENITO
21	6	55	56.2	36-31.6	121- 6.1	9.9	0.4	8	81	3.0	0.11	0.8	1.7	A	SAN BENITO
21	8	51	1.9	36-31.5	121- 6.1	9.7	0.8	9	82	2.8	0.07	0.5	1.0	A	SAN BENITO
21	9	22	22.4	36-31.4	121- 7.7	3.8	1.7	10	85	4.9	0.08	0.5	0.5	A	BICKMORE CANYON
21	10	38	6.9	36-30.6	121- 7.6	3.3	0.4	7	93	4.6	0.12	1.0	1.0	B	BICKMORE CANYON
21	12	38	39.5	36-29.1	121- 5.9	1.1	1.0	10	99	3.4	0.11	0.6	0.7	B	NE 1/4 GREENFIELD
21	13	49	28.9	36-32.7	121- 8.3	3.6	1.8	15	72	5.6	0.16	0.7	0.7	B	BICKMORE CANYON
21	15	34	25.9	36- 0.9	120-36.0	5.9	1.6	9	149	13.7	0.14	1.5	6.9	C	SE 1/4 PRIEST VALLEY
21	16	2	8.4	37-23.8	121-44.5	4.3	1.1	9	83	4.3	0.11	0.6	0.3	A	MT DAY
21	23	15	10.0	36-31.4	121- 6.2	10.3	2.2	15	79	2.9	0.10	0.5	0.9	A	SAN BENITO
22	15	29	49.8	36-55.8	121-24.8	8.3	2.0	24	79	6.0	0.10	0.3	0.7	A	SAN FELIPE
22	16	10	44.8	37-32.0	121-49.0	4.3	1.9	16	133	9.3	0.17	0.7	0.5	B	LA COSTA VALLEY
22	16	29	14.7	36-55.3	121-31.7	2.9	1.6	13	67	2.0	0.09	0.4	0.2	A	CHITTENDEN
22	16	29	29.1	36-55.7	121-25.1	3.5	1.0	8	84	6.3	0.10	0.6	0.9	B	SAN FELIPE
22	18	2	54.8	36-31.6	121- 7.6	4.1	0.8	7	110	5.0	0.07	0.6	1.7	B	BICKMORE CANYON
22	18	7	26.4	36-34.3	121-12.0	3.8	0.9	11	74	1.0	0.04	0.2	0.2	A	BICKMORE CANYON
22	18	30	21.9	37-29.1	121-48.7	5.5	2.2	33	70	4.0	0.17	0.5	0.5	B	CALAVERAS RESERVOIR
22	20	55	46.1	36-32.9	121- 5.6	11.5	0.9	8	102	4.5	0.10	0.9	2.0	B	SAN BENITO
23	0	14	2.1	36-29.5	121- 6.4	3.3	1.6	12	62	3.5	0.12	0.5	0.6	A	NE 1/4 GREENFIELD
23	2	11	37.4	37-32.4	121-48.7	3.9	1.1	11	74	10.0	0.17	0.9	0.9	B	LA COSTA VALLEY
23	2	37	23.3	36-55.3	121-31.9	4.8	2.5	33	51	2.1	0.14	0.3	0.4	A	CHITTENDEN
23	4	54	51.7	36-55.3	121-31.7	2.9	1.6	17	50	2.0	0.11	0.3	0.2	A	CHITTENDEN
23	5	14	0.2	35-58.5	120-50.8	14.1	0.3	7	255	18.6	0.13	3.4	1.3	D	WUNPOST
23	5	14	1.1	36- 0.7	120-36.7	2.7	2.3	9	146	14.4	0.15	1.6	1.3	C	SE 1/4 PRIEST VALLEY
23	5	51	56.8	36-46.6	121-25.0	5.1	1.4	11	83	2.9	0.23	1.2	2.1	B	HOLLISTER
23	6	41	39.3	36-48.2	121-22.4	8.9	1.3	12	55	6.6	0.14	0.7	1.7	A	TRES PINOS
23	9	58	32.3	37-42.6	121-43.0	4.8	1.7	8	185	10.7	0.09	0.8	0.5	C	ALTAMONT
23	10	21	27.1	36-27.1	121- 4.3	8.6	2.2	19	96	5.7	0.14	0.6	1.0	B	NE 1/4 GREENFIELD
23	10	59	44.0	36-40.9	121-20.6	4.3	1.5	11	88	3.0	0.13	0.7	0.7	A	PAICINES
23	11	49	3.3	37-48.7	121-57.8	12.2	1.1	8	72	2.8	0.04	0.4	0.8	A	DIABLO
23	13	35	44.5	36-14.6	120-49.9	5.2	1.7	8	130	4.6	0.13	1.1	2.8	B	MONARCH PEAK
24	5	15	29.2	37-28.5	121-49.3	4.3	0.6	8	85	3.3	0.09	0.6	0.3	A	CALAVERAS RESERVOIR
24	8	18	55.6	37-19.1	121-40.6	3.7	0.5	9	87	4.0	0.22	1.2	0.7	B	LICK OBSERVATORY
24	13	48	57.4	36-19.9	120-55.7	9.2	1.3	9	103	1.8	0.15	1.1	1.8	B	SW 1/4 HERNANDEZ VALLEY
24	15	50	7.5	36-35.2	121-13.5	5.8	2.0	27	66	3.5	0.13	0.4	0.5	A	BICKMORE CANYON
24	19	5	1.8	36-46.9	121-29.5	4.8	1.8	18	42	3.1	0.15	0.5	0.7	B	HOLLISTER
24	23	54	29.7	35-58.9	120-34.2	2.7	2.9	11	140	9.5	0.13	1.1	0.6	C	STOCKDALE MTN
25	0	4	23.1	35-58.6	120-34.7	1.8	2.1	7	158	10.0	0.11	1.4	1.0	C	STOCKDALE MTN

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR 25	3	32	57.2	37-53.3	121-50.0	6.8	1.7	10	157	6.9	0.15	1.0	1.0	C	ANTIOCH SOUTH
25	9	59	13.0	36-37.6	121-17.1	6.6	0.7	8	103	4.7	0.08	0.6	1.4	B	PAICINES
25	10	35	31.8	36-36.3	121-11.4	7.4	1.8	14	55	3.3	0.11	0.5	1.0	A	BICKMORE CANYON
25	12	21	10.3	36-31.0	121- 6.6	8.9	0.9	8	87	3.2	0.09	0.7	1.7	A	SAN BENITO
25	14	25	33.0	36- 5.0	121-37.4	8.9	2.2	15	245	35.7	0.09	1.0	0.6	C	LOPEZ POINT
25	14	37	53.5	36-33.0	121- 6.5	10.2	0.9	10	88	5.3	0.11	0.6	1.8	A	SAN BENITO
25	16	6	53.6	36-23.5	120-44.9	9.6	2.1	14	222	6.6	0.12	1.1	1.1	C	NW 1/4 NEW IDRIA
25	16	58	39.9	36-23.7	120-44.7	9.3	2.0	11	223	7.0	0.12	1.4	1.5	C	NW 1/4 NEW IDRIA
25	17	21	15.9	36-31.2	121- 7.3	9.1	0.9	8	86	4.2	0.08	0.6	1.4	A	SAN BENITO
25	19	10	15.4	36-24.1	120-44.4	9.1	2.0	10	227	7.7	0.14	2.1	1.7	C	NW 1/4 NEW IDRIA
26	3	29	5.3	36-36.3	121-11.2	10.0	0.7	8	61	3.3	0.16	1.5	2.9	B	BICKMORE CANYON
26	3	37	17.9	36-41.5	121-12.2	10.3	0.6	6	112	4.0	0.03	0.4	0.9	B	CHERRY PEAK
26	4	54	36.0	36-33.4	121-10.8	3.6	1.1	10	84	2.2	0.04	0.3	0.2	A	BICKMORE CANYON
26	7	16	28.7	36-33.2	121- 3.4	10.4	0.6	9	99	5.0	0.07	0.5	0.9	B	SAN BENITO
26	9	31	42.7	36-20.9	120-55.5	9.4	1.0	7	119	3.8	0.10	1.0	1.6	B	SW 1/4 HERNANDEZ VALLEY
26	14	52	50.6	36-33.2	121- 3.3	9.7	0.8	8	101	5.1	0.07	0.6	1.1	B	SAN BENITO
27	0	37	41.3	36-49.0	121-23.4	8.5	1.4	14	77	4.6	0.07	0.3	0.8	A	HOLLISTER
27	3	22	9.0	36-31.7	121- 9.0	5.1	1.0	8	109	6.2	0.10	0.7	1.7	B	BICKMORE CANYON
27	3	36	4.9	36-57.7	121-19.0	4.4	0.8	9	134	7.9	0.10	0.7	4.4	B	THREE SISTERS
27	6	49	16.6	35-47.6	121-24.5	2.9	2.2	18	245	38.8	0.16	2.5	0.7	D	VILLA CREEK
27	7	13	42.8	36-27.1	120-41.5	6.3	1.5	7	279	14.3	0.04	2.4	6.4	D	NW 1/4 NEW IDRIA
27	11	57	46.4	36-20.3	120-56.6	6.6	1.4	10	91	2.8	0.13	0.8	1.5	B	SW 1/4 HERNANDEZ VALLEY
27	17	15	44.4	38-19.4	122-35.6	7.6	1.1	7	76	7.9	0.06	0.5	1.6	B	GLEN ELLEN
27	20	15	41.1	36-34.2	121-12.1	5.2	1.0	10	70	1.2	0.05	0.3	0.4	A	BICKMORE CANYON
27	22	3	16.5	36-31.5	121- 6.1	9.9	1.1	10	82	2.9	0.11	0.7	1.3	A	SAN BENITO
27	22	27	27.6	36-31.6	121- 6.2	9.0	1.2	11	81	3.1	0.12	0.6	1.2	A	SAN BENITO
28	2	50	45.8	36-42.3	121- 1.2	2.9	1.6	14	186	8.3	0.10	0.7	0.4	C	PANOCHE PASS
28	4	11	15.5	36- 1.3	120-35.9	5.1	2.0	14	152	14.0	0.15	1.3	0.8	C	SE 1/4 PRIEST VALLEY
28	4	42	49.1	36-37.3	121-15.2	1.9	0.9	8	96	7.8	0.08	0.6	0.5	B	MT JOHNSON
28	4	58	35.7	36-30.1	120-51.0	11.4	2.1	26	198	14.6	0.18	1.0	0.7	C	SE 1/4 PANOCHE VALLEY
28	5	52	53.5	36-58.9	121-38.5	2.9	0.7	10	107	5.7	0.07	0.5	0.4	B	WATSONVILLE EAST
28	6	2	43.6	38-46.7	122-45.1		2.9	12	286	15.8	0.30	9.3		D	THE GEYSERS
28	15	57	16.9	37-46.4	122-32.5	5.1	2.1	16	182	13.9	0.28	1.8	1.0	C	POINT BONITA
29	1	36	30.6	36-30.6	121- 6.6	9.2	1.3	9	91	3.1	0.06	0.4	0.9	B	SAN BENITO
29	8	18	51.7	36-32.1	121- 8.9	3.8	0.6	7	95	5.7	0.09	0.7	0.7	B	BICKMORE CANYON
29	9	5	27.8	37-44.2	121-46.6	6.8	1.7	16	157	5.2	0.17	0.7	0.8	C	LIVERMORE
29	10	2	17.4	36-40.3	121-19.9	4.3	1.5	9	102	4.2	0.09	0.6	0.6	B	PAICINES
29	14	31	29.5	36-37.7	121-16.7	5.8	1.4	14	54	4.0	0.10	0.4	1.2	A	PAICINES
29	16	39	57.0	37- 9.2	121-33.6	5.3	0.7	9	109	5.7	0.09	0.6	0.7	B	MT SIZER
29	20	19	17.3	36-35.3	121-12.8	2.3	0.9	8	66	2.6	0.08	0.5	0.5	A	BICKMORE CANYON
30	4	18	3.3	35-33.9	120-46.9	8.8	2.3	10	187	36.9	0.14	2.0	1.7	C	***S# OF PASO ROBLES***
30	7	21	39.1	36-31.7	121- 8.9	5.2	1.2	7	109	6.3	0.06	0.5	1.3	B	BICKMORE CANYON
30	8	51	52.7	36-31.7	121- 8.8	4.3	0.6	7	109	6.4	0.05	0.4	1.2	B	BICKMORE CANYON
30	12	43	43.3	36-40.3	122- 0.2	5.2	2.1	30	211	11.0	0.11	0.6	0.5	C	***OFFSHORE - MONTEREY BAY***
30	12	53	0.6	36-50.9	121-30.3	6.4	1.3	17	60	7.5	0.16	0.7	1.8	B	SAN JUAN BAUTISTA

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
APR 30	15	6	43.6	36-25.5	121- 2.3	9.9	1.0	11	89	1.9	0.08	0.5	1.0	A	NE 1/4 GREENFIELD
30	15	23	21.2	37-18.0	121-39.4	4.1	1.3	17	67	4.8	0.11	0.4	0.2	A	LICK OBSERVATORY
30	16	26	40.5	36-37.4	121-15.2	4.4	1.1	8	95	2.2	0.05	0.4	0.7	B	MT JOHNSON
30	17	37	17.1	36-34.6	121-12.6	8.3	2.7	24	66	1.8	0.19	0.6	1.3	B	BICKMORE CANYON
30	17	54	6.5	36-34.6	121-12.9	6.2	1.2	9	77	2.4	0.04	0.2	0.4	A	BICKMORE CANYON
30	19	10	55.9	36-34.4	121-12.6	6.9	1.4	10	73	1.9	0.04	0.2	0.4	A	BICKMORE CANYON
30	19	29	11.3	36-54.0	121-15.4	5.9	3.4	41	60	4.9	0.17	0.5	0.7	B	THREE SISTERS
30	20	56	46.3	37- 6.2	121-52.6	11.8	1.5	15	75	6.6	0.11	0.5	0.8	A	LAUREL
MAY 1	0	24	25.8	36-34.5	121-12.8	6.1	1.0	9	71	2.1	0.03	0.2	0.4	A	BICKMORE CANYON
1	5	12	28.8	36-57.5	121-37.1	4.7	1.9	21	76	3.1	0.11	0.4	0.4	A	CHITTENDEN
1	6	31	23.4	36-31.4	121- 8.4	0.9	1.2	8	85	5.9	0.08	0.5	0.7	B	BICKMORE CANYON
1	6	48	24.4	37-15.1	121-47.4	5.6	1.5	13	61	4.0	0.06	0.3	0.3	A	SAN JOSE EAST
1	7	30	53.8	36-17.3	120-52.6	2.8	1.5	8	109	5.6	0.13	0.9	6.6	C	SW 1/4 HERNANDEZ VALLEY
1	7	57	26.9	36-57.9	121-36.9	7.3	0.4	8	82	3.0	0.02	0.1	0.2	A	CHITTENDEN
1	9	7	32.1	37-17.4	121-38.7	3.0	1.1	9	116	4.4	0.11	0.5	0.4	B	LICK OBSERVATORY
1	10	17	46.4	36-56.0	121-33.1	5.2	0.7	8	72	3.9	0.04	0.3	0.5	A	CHITTENDEN
1	11	5	22.5	36-55.0	121-35.8	5.8	1.6	16	76	3.6	0.09	0.3	0.7	A	CHITTENDEN
1	11	6	30.1	36-55.0	121-35.7	5.6	1.5	17	75	3.5	0.07	0.3	0.5	A	CHITTENDEN
1	11	51	28.6	36-16.0	120-51.5	3.3	1.0	8	118	8.1	0.14	1.0	6.7	C	SE 1/4 HERNANDEZ VALLEY
1	13	39	24.3	36-34.1	121-12.3	6.6	0.7	8	113	1.6	0.07	0.5	0.8	B	BICKMORE CANYON
1	16	53	45.1	37-47.6	121-50.5	6.6	2.0	13	82	4.0	0.11	0.5	0.5	A	TASSAJARA
1	20	6	38.9	37- 3.4	121-29.3	7.2	0.7	10	86	3.5	0.12	0.7	1.3	A	GILROY HOT SPRINGS
1	20	43	6.0	36- 5.8	120-40.9	7.0	1.6	10	115	3.8	0.12	0.9	1.2	B	SW 1/4 PRIEST VALLEY
1	21	51	6.4	36-32.3	121- 6.4	11.8	3.3	34	74	4.3	0.15	0.5	0.4	A	SAN BENITO
1	21	53	31.8	36-32.1	121- 6.5	9.7	1.6	10	75	4.0	0.10	0.6	1.3	A	SAN BENITO
1	21	59	31.7	36-32.2	121- 6.5	9.6	1.1	9	77	4.1	0.11	0.7	1.5	A	SAN BENITO
1	23	3	20.6	36-32.1	121- 6.3	10.1	1.1	9	77	3.8	0.09	0.6	1.3	A	SAN BENITO
1	23	4	2.8	36-32.0	121- 6.4	10.1	0.9	9	78	3.9	0.06	0.4	0.9	A	SAN BENITO
1	23	42	11.4	36-32.1	121- 6.4	10.9	1.4	9	85	4.0	0.11	0.9	1.9	A	SAN BENITO
2	2	43	24.3	36- 3.4	120- 9.3	9.8	2.0	7	275	21.5	0.13	7.8	6.1	D	AVENAL
2	3	7	57.5	36-36.1	121-10.0	10.2	1.1	8	59	3.6	0.10	0.9	2.0	A	BICKMORE CANYON
2	3	55	53.4	36-32.1	121- 6.7	9.8	1.9	13	74	4.2	0.09	0.5	0.7	A	SAN BENITO
2	9	54	5.1	37-33.4	122-24.3	9.3	1.6	14	179	2.6	0.11	0.8	0.7	B	MONTARA MTN
2	11	13	9.8	36-34.1	121-12.0	5.5	2.2	22	67	1.3	0.13	0.4	0.6	A	BICKMORE CANYON
2	11	32	9.6	36-34.0	121-11.9	5.5	2.3	22	66	1.2	0.14	0.4	0.6	A	BICKMORE CANYON
2	12	0	30.7	36-34.3	121-12.1	4.8	1.6	15	66	1.2	0.10	0.4	0.8	A	BICKMORE CANYON
2	12	26	41.4	36-34.0	121-11.9	5.0	1.4	15	66	1.2	0.08	0.3	0.6	A	BICKMORE CANYON
2	12	27	9.8	36-34.1	121-12.0	5.5	2.6	26	66	1.2	0.15	0.4	0.7	B	BICKMORE CANYON
2	15	45	33.2	36-32.4	121- 6.4	10.2	0.7	8	88	4.3	0.12	1.0	2.3	B	SAN BENITO
2	16	15	42.8	37-20.9	121-41.0	7.6	1.2	14	81	3.7	0.16	0.7	1.4	B	LICK OBSERVATORY
2	16	48	53.6	36-32.0	121- 6.5	10.7	1.3	10	78	3.9	0.08	0.5	1.1	A	SAN BENITO
2	17	14	45.6	36-56.9	121-40.1	9.8	1.1	15	113	2.1	0.05	0.3	0.5	B	WATSONVILLE EAST
2	20	33	24.6	37-26.2	121-39.2	6.0	0.7	10	215	10.6	0.12	0.9	4.0	C	MT DAY
2	20	39	58.4	36- 0.9	120-36.1	5.0	2.3	12	137	13.9	0.23	2.1	1.4	C	SE 1/4 PRIEST VALLEY
2	22	9	28.3	36-32.1	121- 6.9	8.4	1.8	16	72	4.5	0.08	0.3	0.8	A	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 2	22	10	19.9	36-53.7	121-15.0	2.4	0.9	7	166	5.3	0.08	0.9	0.7	B	THREE SISTERS
2	23	41	19.9	36-35.4	121-13.9	5.5	1.1	9	69	4.2	0.07	0.4	0.9	A	BICKMORE CANYON
3	0	52	22.0	37- 0.1	121-27.8	5.0	2.6	39	62	3.3	0.14	0.3	0.4	A	GILROY HOT SPRINGS
3	0	55	38.9	36-59.7	121-27.4	3.3	1.1	15	63	4.2	0.11	0.4	0.3	A	SAN FELIPE
3	0	58	7.0	36-59.6	121-27.3	3.5	0.8	13	63	4.3	0.10	0.4	0.5	A	SAN FELIPE
3	1	59	9.2	36-50.8	121-34.7	4.9	2.1	28	62	4.3	0.20	0.6	0.7	B	SAN JUAN BAUTISTA
3	2	15	26.5	37-28.3	121-39.9	4.8	1.5	14	129	12.1	0.16	0.8	0.6	C	MT DAY
3	2	32	28.7	36-55.5	121-32.3	5.3	0.8	9	71	2.9	0.07	0.5	0.9	A	CHITTENDEN
3	6	47	56.5	36-32.6	121-10.7	7.3	1.3	13	69	3.7	0.07	0.3	0.7	A	BICKMORE CANYON
3	7	2	59.1	36-32.5	121-10.5	7.4	1.1	9	68.	3.9	0.05	0.3	0.7	A	BICKMORE CANYON
3	7	31	0.3	36-31.4	121- 6.6	8.4	1.0	9	84	3.4	0.08	0.5	1.0	A	SAN BENITO
3	8	14	15.3	36-31.9	121- 6.4	10.2	0.9	9	79	3.8	0.08	0.5	1.1	A	SAN BENITO
3	11	27	52.6	36-37.3	121-13.4	8.7	0.7	7	87	1.8	0.12	1.4	1.9	B	BICKMORE CANYON
3	14	11	34.4	36-45.2	121-17.0	6.4	1.2	13	86	7.3	0.14	0.6	0.8	B	TRES PINOS
3	16	14	21.6	36-32.3	121- 6.2	8.7	0.7	7	91	4.1	0.09	0.8	1.7	B	SAN BENITO
3	16	33	4.5	36-32.1	121- 6.7	9.6	1.5	13	78	4.3	0.10	0.5	0.7	A	SAN BENITO
3	20	13	1.6	35-49.3	120-22.2	4.8	2.0	7	213	1.9	0.09	1.2	0.6	C	CHOLAME VALLEY
3	23	22	33.3	36-34.3	121-12.0	4.9	2.1	23	66	1.0	0.13	0.4	0.6	A	BICKMORE CANYON
3	23	37	18.9	36-34.1	121-12.1	4.1	1.6	11	67	1.3	0.07	0.4	0.6	A	BICKMORE CANYON
4	1	42	23.4	36-53.7	121-15.6	2.7	1.7	21	156	4.4	0.12	0.4	0.3	B	THREE SISTERS
4	1	43	19.1	36-32.8	121- 4.9	11.2	1.5	12	96	4.2	0.14	0.9	1.5	B	SAN BENITO
4	3	55	38.4	36-50.7	121-32.9	7.4	0.5	9	74	5.7	0.12	1.0	2.5	B	SAN JUAN BAUTISTA
4	5	42	30.0	36-34.3	121-12.2	4.6	2.3	26	66	1.3	0.14	0.4	0.5	A	BICKMORE CANYON
4	7	8	44.0	36-39.6	121-19.0	4.4	1.7	21	62	6.0	0.15	0.5	0.6	B	PAICINES
4	17	25	0.8	37- 8.4	121-36.7	6.8	1.8	12	134	2.7	0.07	0.5	0.7	B	MT SIZER
4	21	48	46.9	36-54.8	121-35.6	6.0	1.8	22	76	3.2	0.13	0.4	0.5	A	CHITTENDEN
5	1	41	8.7	35-42.4	121- 5.6	11.0	2.0	7	272	42.4	0.07	2.3	1.1	C	PEBBLESTONE SHUT-IN
5	2	30	7.5	36-16.2	120-38.3	12.8	2.3	18	187	15.3	0.12	0.9	0.5	C	SW 1/4 NEW IDRIA
5	4	8	33.4	36-37.9	121-16.5	0.7	1.3	11	99	3.8	0.14	0.8	0.8	B	PAICINES
5	4	20	25.9	36-24.6	120-57.6	13.1	0.7	9	124	5.4	0.08	0.8	1.4	B	NW 1/4 HERNANDEZ VALLEY
5	4	34	1.0	36-24.2	120-57.9	12.8	0.6	9	119	5.3	0.09	1.0	1.6	B	NW 1/4 HERNANDEZ VALLEY
5	4	45	21.2	35-50.0	121- 7.0	12.6	1.8	7	240	28.1	0.05	1.3	0.6	C	BRYSON
5	6	16	54.8	36-32.0	121- 6.5	9.9	2.0	15	75	4.0	0.08	0.4	0.5	A	SAN BENITO
5	6	42	14.2	36-31.1	121- 8.2	8.3	0.4	8	88	5.5	0.05	0.4	1.0	A	BICKMORE CANYON
5	7	20	7.4	36-32.1	121- 6.4	9.3	0.6	9	77	4.0	0.10	0.6	1.4	A	SAN BENITO
5	9	5	28.9	36-55.0	121-35.8	5.8	1.4	15	79	3.6	0.07	0.3	0.6	A	CHITTENDEN
5	11	44	37.7	36-36.7	121-14.9	5.6	2.1	23	60	2.9	0.16	0.5	1.1	B	BICKMORE CANYON
5	12	20	16.8	36-36.6	121-14.8	4.1	1.5	13	60	3.1	0.09	0.4	0.9	A	BICKMORE CANYON
5	12	51	17.3	36-36.5	121-14.8	2.8	0.4	8	120	3.2	0.05	0.4	0.3	B	BICKMORE CANYON
5	13	36	46.3	36-55.1	121-35.8	5.9	1.2	11	89	3.7	0.06	0.4	0.7	A	CHITTENDEN
5	15	1	58.1	36-33.8	121-11.7	5.9	0.9	9	78	1.3	0.04	0.3	0.4	A	BICKMORE CANYON
5	16	7	32.6	36-31.1	121- 7.0	9.3	0.8	8	87	3.8	0.08	0.6	1.5	A	SAN BENITO
5	17	20	43.2	36-31.9	121- 6.2	8.4	0.7	9	78	3.5	0.08	0.5	1.1	A	SAN BENITO
5	19	15	16.6	36-33.9	121-12.1	6.9	0.6	7	116	1.6	0.02	0.2	0.3	B	BICKMORE CANYON
5	20	24	28.4	37-41.3	122-22.7*	5.0	1.3	7	133	10.1	0.09	1.6	8.3	C	SAN FRANCISCO SOUTH

*Possible blast

CENTRAL CALIFORNIA EARTHQUAKES--SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 5	20	39	31.6	36-34.9	121-13.0	5.3	2.9	37	66	2.6	0.14	0.4	0.5	A	BICKMORE CANYON
5	20	46	37.8	36-35.7	121-14.1	6.3	2.1	21	64	4.6	0.15	0.5	1.2	A	BICKMORE CANYON
5	21	17	58.9	36-34.9	121-13.2	5.9	0.8	7	86	2.8	0.01	0.1	0.1	A	BICKMORE CANYON
6	0	15	18.8	37-52.7	121-45.8	10.9	1.2	12	233	8.1	0.17	2.0	1.1	C	ANTIOCH SOUTH
6	1	23	31.2	36-31.2	121- 8.3	9.0	0.8	9	87	5.7	0.08	0.6	1.3	A	BICKMORE CANYON
6	2	7	29.1	36-42.8	121-13.1	16.4	0.6	7	116	6.6	0.03	0.4	0.7	B	CHERRY PEAK
6	2	12	40.0	37-25.6	121-36.0	3.9	1.2	11	156	10.5	0.20	1.2	1.1	C	EYLAR MTN
6	5	5	60.0	36-31.1	121- 7.4	8.1	1.6	12	59	4.4	0.10	0.5	1.0	A	SAN BENITO
6	6	13	49.6	37-39.4	122- 2.0	4.6	1.0	12	120	7.4	0.12	0.7	0.6	B	HAYWARD
6	12	15	46.4	36-12.9	120-48.9	9.0	2.9	30	101	1.9	0.26	1.0	0.9	B	MONARCH PEAK
6	14	55	31.4	36-36.0	121-14.0	3.5	1.7	16	63	4.8	0.12	0.5	0.5	A	BICKMORE CANYON
6	18	25	46.9	36-32.9	121-10.9	6.4	1.8	14	66	3.1	0.08	0.3	0.7	A	BICKMORE CANYON
6	18	54	28.5	37-13.5	121-38.6	5.1	1.3	8	94	4.5	0.10	0.6	0.5	B	MORGAN HILL
6	18	58	49.0	37-14.0	121-38.7	0.9	0.7	7	93	3.6	0.08	0.6	0.9	B	MORGAN HILL
7	1	33	38.9	36-31.6	121- 6.0	11.2	2.0	13	81	2.9	0.09	0.5	0.9	A	SAN BENITO
7	4	13	17.5	36-32.2	121- 6.3	11.4	1.0	9	102	4.0	0.06	0.5	0.8	B	SAN BENITO
7	6	40	3.3	36-31.7	121- 6.2	10.6	0.5	9	80	3.2	0.10	0.7	1.3	A	SAN BENITO
7	10	22	38.6	36-53.6	121-15.9	4.6	1.4	15	152	4.0	0.13	0.6	0.7	B	THREE SISTERS
7	10	55	22.8	36-32.1	121- 6.4	10.4	0.4	9	77	4.0	0.09	0.6	1.2	A	SAN BENITO
7	15	23	26.8	36-30.4	121- 6.6	4.2	1.1	8	93	3.0	0.11	0.7	1.8	B	SAN BENITO
7	15	27	50.0	36-30.3	121- 6.8	4.0	0.9	8	95	3.4	0.10	0.7	0.7	B	SAN BENITO
7	16	58	5.1	36-58.0	121-26.6	5.9	1.6	20	62	4.2	0.09	0.3	0.9	A	SAN FELIPE
7	17	12	47.2	36-53.1	121-37.9	7.4	1.8	23	73	3.6	0.12	0.4	0.7	A	WATSONVILLE EAST
7	18	26	25.8	37-13.6	121-38.9	4.1	1.7	16	84	4.1	0.15	0.6	0.4	A	MORGAN HILL
7	18	37	16.2	36-43.9	121-25.3	6.1	2.3	29	53	4.3	0.15	0.4	0.5	B	MT HARLAN
7	18	58	36.7	36-34.9	121-12.7	4.7	0.6	7	113	2.2	0.01	0.1	0.2	B	BICKMORE CANYON
7	19	0	16.8	36-58.1	121-26.4	7.1	1.9	22	63	3.9	0.11	0.4	0.9	A	SAN FELIPE
7	19	33	51.5	36-44.1	121-25.4	4.5	1.7	16	52	3.8	0.16	0.6	0.8	B	MT HARLAN
7	23	10	12.2	36-43.9	121-25.2	4.5	1.5	15	53	4.3	0.11	0.4	1.0	A	MT HARLAN
8	4	18	53.1	37-23.9	121-44.4	6.0	2.0	27	84	4.5	0.14	0.4	0.6	A	MT DAY
8	5	41	59.4	35-58.3	120-34.6	2.8	2.1	11	155	9.6	0.14	1.3	0.6	C	STOCKDALE MTN
8	7	48	19.5	36-32.6	121- 7.8	9.3	1.2	10	75	6.2	0.11	0.6	1.4	A	BICKMORE CANYON
8	17	12	29.3	36-30.0	121- 6.7	3.1	1.5	10	66	3.4	0.12	0.7	0.7	A	SAN BENITO
8	23	5	6.0	36-46.9	121-24.1	7.0	0.8	8	119	4.3	0.10	0.8	1.3	B	HOLLISTER
8	23	18	51.3	37-13.7	121-38.9	3.9	0.9	9	84	3.8	0.14	1.0	1.8	B	MORGAN HILL
9	3	16	14.5	36-43.9	121-25.4	5.6	2.1	32	53	4.3	0.18	0.5	0.7	B	MT HARLAN
9	4	26	59.7	36-31.3	121- 6.8	8.4	0.9	9	84	3.6	0.06	0.4	0.9	A	SAN BENITO
9	4	36	27.6	36-32.1	121- 6.4	11.8	0.6	9	77	4.0	0.09	0.6	1.6	A	SAN BENITO
9	10	31	31.1	36-31.5	121- 6.3	10.1	1.1	14	78	3.1	0.14	0.6	1.3	A	SAN BENITO
9	13	0	23.9	36-31.5	121- 6.0	11.3	1.1	10	82	2.8	0.07	0.5	1.0	A	SAN BENITO
9	22	31	15.1	36-50.2	121-34.6	6.0	3.1	36	53	4.4	0.17	0.5	0.5	B	SAN JUAN BAUTISTA
10	0	6	34.2	37-28.3	121-40.2	5.4	2.5	34	126	11.7	0.18	0.5	0.6	C	MT DAY
10	1	21	10.0	36-50.3	121-34.2	5.6	2.1	27	52	4.5	0.20	0.6	0.9	B	SAN JUAN BAUTISTA
10	2	24	59.7	36-32.7	121-10.4	10.4	0.9	7	92	3.5	0.17	1.6	3.7	B	BICKMORE CANYON
10	15	58	28.4	36-36.6	121-14.9	4.3	1.7	16	60	3.1	0.08	0.3	0.7	A	BICKMORE CANYON

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY	10	18	12	28.8	35-57.8	121-33.8	9.4	1.2	6	285	37.9	0.03	1.9	0.5	C	***OFFSHORE - CAPE SAN MARTIN***
	10	19	49	36.3	38-30.4	122-43.3	5.0	2.6	9	108	5.0	0.11	1.5	6.0	C	MARK WEST SPRINGS
	10	20	31	6.3	36-48.4	120-53.5	5.4	3.3	41	151	21.5	0.18	0.8	0.7	C	SW 1/4 ORTIGALITA PEAK
	10	20	35	1.6	37-36.4	121-39.6	8.0	0.9	8	152	2.4	0.16	1.6	1.9	C	MENDENHALL SPRINGS
	10	20	37	16.8	36-48.1	120-53.8	5.0	2.1	36	149	21.0	0.21	0.9	0.8	C	SW 1/4 ORTIGALITA PEAK
	10	20	44	44.1	36-31.9	120-39.4	9.2	1.8	8	269	22.8	0.14	4.4	3.0	D	TUMEY HILLS
	11	3	28	20.8	36-57.9	121-26.4	5.5	1.5	24	66	4.0	0.11	0.3	1.1	A	SAN FELIPE
	11	6	5	59.2	36-31.5	121- 6.0	9.5	0.6	8	82	2.7	0.08	0.6	1.2	A	SAN BENITO
	11	6	10	40.5	36-31.7	121- 5.9	9.6	0.5	9	81	3.0	0.10	0.7	1.3	A	SAN BENITO
	11	8	18	10.0	36-27.6	121- 4.4	1.1	1.4	11	97	5.5	0.09	0.4	0.4	B	NE 1/4 GREENFIELD
	11	11	17	21.1	36-57.9	121-26.3	6.0	1.6	18	69	4.0	0.13	0.5	1.4	A	SAN FELIPE
	11	11	21	56.5	36-14.6	120-49.7	2.3	1.3	8	133	4.3	0.15	1.1	8.3	C	MONARCH PEAK
	11	12	5	42.7	36-31.6	121- 7.7	3.7	0.7	7	111	5.0	0.06	0.5	0.5	B	BICKMORE CANYON
	11	18	17	40.4	36- 0.2	120-36.0	3.9	1.7	11	145	13.0	0.14	1.3	1.4	C	SE 1/4 PRIEST VALLEY
	11	19	59	35.1	37-29.2	121-39.5	4.8*	1.5	7	202	12.1	0.17	2.3	1.2	C	MT DAY
	11	20	20	51.1	36-31.6	121- 5.6	8.2	1.9	20	84	2.5	0.13	0.5	0.9	A	SAN BENITO
	11	20	24	48.1	38-32.7	122-45.7	3.0	1.5	7	213	3.5	0.08	1.1	0.6	C	HEALDSBURG
	11	21	36	39.2	36-59.1	120-41.1	5.0	2.1	34	92	46.9	0.14	0.6	0.9	B	DOS PALOS
	11	21	38	30.6	36-59.2	120-41.7	7.8	1.9	23	180	46.7	0.23	1.4	1.3	C	DOS PALOS
	11	23	22	7.6	36-34.2	121-12.0	4.5	1.5	14	66	1.1	0.08	0.3	0.6	A	BICKMORE CANYON
	12	9	5	25.3	36-31.5	121- 6.0	9.5	0.8	9	81	2.8	0.08	0.5	1.1	A	SAN BENITO
	12	15	29	15.2	36-31.1	121- 7.2	9.0	1.8	18	59.	4.1	0.09	0.4	0.8	A	SAN BENITO
	12	18	4	59.1	38-30.3	122-43.2	3.6	2.5	9	107	5.0	0.09	0.8	7.5	C	MARK WEST SPRINGS
	12	19	59	11.5	36-31.6	121- 5.4	8.5	0.9	9	86	2.2	0.11	0.7	1.4	A	SAN BENITO
	12	20	44	25.9	36-14.7	120-49.6	2.9	0.8	7	136	4.4	0.14	1.3	5.6	C	MONARCH PEAK
	12	22	29	14.9	36-27.6	121- 3.9	0.4	1.3	9	100	5.6	0.11	0.6	0.6	B	NE 1/4 GREENFIELD
	13	4	3	19.5	36-27.5	121- 3.1	2.2	1.0	9	105	4.8	0.14	0.9	1.0	B	NE 1/4 GREENFIELD
	13	5	24	44.4	36-27.7	121- 3.8	0.6	1.0	9	101	5.5	0.12	0.7	0.7	B	NE 1/4 GREENFIELD
	13	8	6	4.4	36-27.6	121- 4.2	2.1	1.1	9	98	5.6	0.10	0.6	0.6	B	NE 1/4 GREENFIELD
	13	11	12	6.3	36-31.7	121- 9.3	7.4	1.2	10	60	6.1	0.07	0.4	1.0	A	BICKMORE CANYON
	13	11	52	27.0	36-34.8	121-12.8	4.1	0.9	9	76	2.2	0.09	0.5	0.9	A	BICKMORE CANYON
	13	14	42	28.0	38-33.5	122-45.9	4.5	2.8	10	238	3.7	0.11	1.4	0.9	C	HEALDSBURG
	13	21	8	27.4	36-32.5	121- 5.1	10.1	2.7	22	84	3.6	0.24	0.9	1.3	B	SAN BENITO
	13	21	9	39.6	36-31.8	121- 5.4	9.3	1.5	12	85	2.5	0.11	0.6	1.1	A	SAN BENITO
	13	21	32	42.3	36-31.6	121- 5.5	7.3	1.7	16	86	2.3	0.10	0.4	0.9	A	SAN BENITO
	13	21	50	57.5	36-31.7	121- 5.3	9.4	1.4	11	87	2.3	0.10	0.6	1.0	A	SAN BENITO
	13	21	55	29.6	36-31.8	121- 5.4	8.1	1.2	12	85	2.5	0.09	0.5	0.9	A	SAN BENITO
	13	22	4	53.8	36-31.8	121- 5.5	10.4	2.5	21	84	2.6	0.14	0.6	0.7	A	SAN BENITO
	13	22	7	21.8	36-31.6	121- 5.1	8.3	0.8	8	119	2.2	0.18	1.5	2.4	B	SAN BENITO
	13	22	9	27.6	36-31.9	121- 5.2	7.0	1.7	12	87	2.6	0.14	0.7	1.3	A	SAN BENITO
	13	22	13	11.6	36-31.7	121- 5.5	8.5	1.3	11	84	2.6	0.08	0.5	0.8	A	SAN BENITO
	13	22	14	25.5	36-31.8	121- 5.4	7.9	0.9	8	122	2.6	0.10	0.8	1.3	B	SAN BENITO
	13	22	20	53.8	36-31.8	121- 5.3	9.2	1.4	12	86	2.5	0.10	0.5	1.0	A	SAN BENITO
	13	22	31	21.5	36-31.7	121- 5.6	8.1	1.1	10	84	2.6	0.06	0.4	0.7	A	SAN BENITO
	14	2	26	50.5	36-31.8	121- 6.0	7.0	0.5	7	91	3.1	0.07	0.7	1.7	B	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 14	2	33	55.8	36-19.4	120-55.2	6.8	1.4	7	97	1.2	0.03	0.2	0.4	B	SW 1/4 HERNANDEZ VALLEY
14	2	57	37.1	36-29.4	121- 6.5	3.0	1.1	8	147	3.6	0.12	1.0	0.9	B	NE 1/4 GREENFIELD
14	3	10	59.4	36-31.5	121- 5.6	8.0	1.4	11	85	2.3	0.04	0.2	0.5	A	SAN BENITO
14	3	25	12.5	38-19.8	122-33.8	11.4	1.7	8	83	7.8	0.09	0.6	1.3	A	GLEN ELLEN
14	3	25	39.4	36-40.6	121-20.8	4.1	1.0	7	88	3.7	0.13	1.3	2.5	B	PAICINES
14	4	13	1.8	36-40.6	120-55.8	4.5	2.2	26	145	6.7	0.16	0.8	0.6	C	NW 1/4 PANOCHE VALLEY
14	5	45	57.8	36-39.7	121-19.1	5.1	2.4	25	62	5.6	0.15	0.4	0.7	B	PAICINES
14	6	12	30.7	36-18.0	120-53.6	1.1	2.1	13	98	3.7	0.12	0.6	0.6	B	SW 1/4 HERNANDEZ VALLEY
14	7	27	42.0	36-32.4	121- 8.2	3.3	1.3	11	77	6.2	0.17	0.9	1.1	B	BICKMORE CANYON
14	8	16	21.4	36-32.4	121- 8.1	3.5	1.4	10	76	6.1	0.20	1.1	1.5	B	BICKMORE CANYON
14	10	32	58.5	36-28.0	121- 0.3	4.2	1.6	12	130	4.9	0.07	0.4	1.3	B	NE 1/4 GREENFIELD
14	11	54	36.5	36-31.8	121- 5.4	8.1	0.8	8	85	2.5	0.04	0.3	0.5	A	SAN BENITO
14	12	29	18.7	36-16.1	120-51.7	3.0	1.2	8	116	8.0	0.14	1.0	7.8	C	SE 1/4 HERNANDEZ VALLEY
14	13	3	7.4	36-31.7	121- 5.4	8.3	0.7	7	86	2.5	0.03	0.3	0.5	A	SAN BENITO
14	15	26	52.2	36-35.9	121-14.6	11.1	1.9	17	65	5.5	0.19	0.8	2.0	B	BICKMORE CANYON
14	16	3	10.0	36-35.1	121-14.3	9.4	1.4	11	69	4.6	0.10	0.5	1.5	A	BICKMORE CANYON
14	17	59	41.2	36-31.7	121- 5.6	8.3	1.4	11	84	2.6	0.06	0.3	0.7	A	SAN BENITO
14	18	10	23.2	35-58.6	120-34.9	1.5	1.6	7	139	10.3	0.10	1.2	0.9	C	STOCKDALE MTN
14	19	17	46.2	36-31.6	121- 5.7	8.6	1.4	10	84	2.5	0.09	0.5	1.0	A	SAN BENITO
14	19	59	45.6	36-31.6	121- 5.6	7.6	1.1	8	84	2.4	0.07	0.5	1.0	A	SAN BENITO
15	1	22	37.5	36-46.6	121-23.8	5.7	2.4	29	52	4.5	0.14	0.4	0.8	A	HOLLISTER
15	1	35	14.3	36-46.2	121-24.2	6.7	1.4	11	77	3.8	0.13	0.7	1.2	A	HOLLISTER
15	3	32	59.7	36-41.3	121-22.6	5.1	1.3	12	65	3.8	0.14	0.6	1.4	A	MT HARLAN
15	7	25	53.4	36-31.6	121- 5.5	7.7	1.2	9	85	2.4	0.06	0.4	0.8	A	SAN BENITO
15	10	40	15.3	36-53.5	121-37.8	7.3	0.6	7	128	3.5	0.08	0.8	1.5	B	WATSONVILLE EAST
15	14	38	40.9	36-31.5	121- 5.6	7.7	0.6	7	94	2.3	0.06	0.7	1.3	B	SAN BENITO
15	17	15	9.1	36-31.3	121- 8.3	6.4	1.4	12	80	5.8	0.11	0.5	1.7	A	BICKMORE CANYON
15	19	34	27.8	36-33.9	121-11.8	10.6	0.6	8	77	1.2	0.11	0.9	2.9	B	BICKMORE CANYON
15	22	42	35.4	36-36.3	121- 7.4	20.1	1.0	17	86	6.7	0.16	0.8	0.9	B	SAN BENITO
15	23	16	51.3	36-35.5	121- 7.3	19.4	1.0	10	103	6.3	0.12	1.2	1.4	B	SAN BENITO
16	4	3	26.3	36-58.6	121-38.2	7.8	0.5	7	100	5.2	0.05	0.4	0.8	B	WATSONVILLE EAST
16	4	46	37.1	36-52.1	121-28.9	2.2	1.7	22	59	5.8	0.13	0.4	0.3	B	HOLLISTER
16	7	35	0.9	36-32.3	121- 6.9	7.8	0.5	7	95	4.8	0.03	0.2	0.6	B	SAN BENITO
16	9	25	39.7	36-32.1	121- 6.9	8.6	1.6	13	77	4.4	0.09	0.4	0.9	A	SAN BENITO
16	9	41	2.1	36-25.3	120-53.7	0.1	1.1	8	160	8.7	0.10	0.7	0.6	B	NW 1/4 HERNANDEZ VALLEY
16	10	48	6.5	37-17.9	122- 5.2	5.8	1.3	16	91	3.7	0.16	0.7	0.6	B	CUPERTINO
16	11	0	53.7	36-41.1	121- 8.8	7.4	1.4	11	139	3.3	0.08	0.5	0.7	B	CHERRY PEAK
16	11	41	54.3	37-31.3	121-52.0	4.3*	1.6	13	83	9.8	0.11	0.6	0.5	B	LA COSTA VALLEY
16	13	8	10.5	36-27.5	121- 4.5	5.8	0.9	10	112	5.7	0.10	0.6	1.3	B	NE 1/4 GREENFIELD
16	17	0	32.1	37-58.7	122- 2.9	13.2	2.3	21	72	7.1	0.23	0.8	0.8	B	WALNUT CREEK
17	0	34	50.7	36-31.7	121- 5.6	7.9	0.9	9	84	2.6	0.07	0.4	0.8	A	SAN BENITO
17	5	20	10.8	36-37.9	121-17.1	6.0	1.9	18	54	10.1	0.14	0.5	0.8	B	PAICINES
17	12	51	0.1	36-21.7	120-57.2	3.2	1.0	7	123	5.6	0.06	0.5	2.8	B	SW 1/4 HERNANDEZ VALLEY
17	13	1	5.5	36-21.1	120-57.1	3.4	0.9	7	115	4.5	0.10	0.7	3.2	B	SW 1/4 HERNANDEZ VALLEY
17	18	30	51.6	38-25.6	122-39.9	8.6	2.0	7	84	4.7	0.07	0.6	1.3	A	SANTA ROSA

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 18	15	44	6.8	36-34.9	121-13.6	6.2	1.2	9	68	3.5	0.03	0.2	0.6	A	BICKMORE CANYON
18	23	27	58.3	37-16.1	121-38.7	7.4	1.0	7	123	2.7	0.07	0.6	1.1	B	LICK OBSERVATORY
18	23	54	10.7	37-58.9	122- 3.2	12.7	2.4	25	71	7.1	0.27	0.9	0.8	B	WALNUT CREEK
19	0	6	22.1	36-38.6	121-12.9	13.2	0.9	7	114	1.8	0.13	1.9	2.8	B	CHERRY PEAK
19	0	36	7.0	37-58.8	122- 3.6	13.0	1.6	13	69	7.5	0.20	1.1	1.0	B	WALNUT CREEK
19	1	51	35.7	36-31.6	121- 5.3	8.9	0.7	7	124	2.1	0.14	1.6	2.7	B	SAN BENITO
19	1	56	9.1	36-11.2	120- 8.8	5.1	2.1	9	276	33.1	0.17	4.7	0.9	D	GUIJARRAL HILLS
19	4	22	47.0	37-58.7	122- 3.2	12.7	2.0	21	71	7.3	0.21	0.8	0.7	B	WALNUT CREEK
19	11	43	44.1	36-31.8	121- 7.4	4.4	1.1	7	106	4.8	0.07	0.6	1.7	B	SAN BENITO
19	15	2	27.6	36-32.9	121- 5.3	12.9	0.6	6	116	4.3	0.03	0.6	1.3	B	SAN BENITO
19	19	57	49.6	36-32.7	121- 4.6	8.3	0.9	8	116	3.9	0.15	1.3	2.7	B	SAN BENITO
19	20	25	36.6	36- 1.7	120-34.5	8.5	2.3	11	179	13.0	0.12	1.4	2.3	C	SE 1/4 PRIEST VALLEY
19	21	25	46.8	37-52.0	122-14.6	8.2	1.7	19	59	1.7	0.11	0.4	0.7	A	OAKLAND EAST
19	22	1	50.4	36-48.7	120-52.9	5.7	1.8	16	227	25.4	0.17	1.7	6.7	D	SW 1/4 ORTIGALITA PEAK
20	1	41	48.2	36-34.7	121-13.4	8.3	1.9	20	69	3.2	0.13	0.4	0.9	A	BICKMORE CANYON
20	5	11	56.1	36-56.3	121-22.8	6.9	1.1	10	95	5.3	0.09	0.6	1.6	B	SAN FELIPE
20	8	12	14.1	36-49.1	121-33.0	5.9	1.7	17	59	3.1	0.14	0.7	0.8	A	SAN JUAN BAUTISTA
20	12	9	15.6	35-57.7	120-33.5	3.8	1.6	7	141	7.9	0.16	2.0	1.0	C	STOCKDALE MTN
20	12	49	53.4	37-44.4	122- 7.3	4.4	1.8	16	79	6.6	0.14	0.8	0.8	B	HAYWARD
20	14	25	58.1	36-35.0	121-13.0	4.5	2.0	13	86	2.6	0.15	0.7	1.4	B	BICKMORE CANYON
20	22	40	14.6	36-31.3	121- 7.4	8.5	0.9	8	86	4.4	0.08	0.6	1.4	A	SAN BENITO
21	3	45	18.3	36-32.4	121-10.1	4.3	2.0	16	64	4.3	0.11	0.4	1.2	A	BICKMORE CANYON
21	4	12	46.4	36-32.4	121- 9.6	4.9	0.9	7	98	4.8	0.03	0.3	0.6	B	BICKMORE CANYON
21	4	38	52.0	36-50.8	121-35.4	6.1	2.4	27	66	4.3	0.16	0.5	0.5	B	SAN JUAN BAUTISTA
21	14	27	24.4	36-54.7	121-35.1	6.0	2.3	27	74	3.1	0.13	0.4	0.4	A	CHITTENDEN
21	18	58	38.0	36-21.4	120-58.1	11.8	1.6	14	93	8.8	0.17	0.9	1.3	B	SW 1/4 HERNANDEZ VALLEY
22	1	31	36.6	36-33.0	121- 4.5	12.2	1.3	10	86	4.5	0.13	0.9	1.7	A	SAN BENITO
22	1	58	2.7	38- 2.5	121-53.6	12.6	2.1	15	130	9.6	0.15	0.9	0.9	B	HONKER BAY
22	3	8	44.2	36-31.4	121- 7.4	8.7	1.6	12	59	4.6	0.08	0.4	0.8	A	SAN BENITO
22	4	33	48.5	36-31.4	121- 7.5	8.9	1.8	16	59	4.7	0.09	0.4	0.8	A	BICKMORE CANYON
22	4	38	3.1	36-31.5	121- 7.4	9.4	0.6	8	84	4.6	0.09	0.7	1.7	A	SAN BENITO
22	5	34	51.0	36-53.7	121-16.4	0.1	1.0	11	146	3.3	0.10	0.6	0.8	B	THREE SISTERS
22	10	20	43.6	36-31.2	121- 6.7	6.9	0.4	8	85	3.4	0.12	0.9	2.0	A	SAN BENITO
22	11	44	9.4	37-24.1	121-44.3	10.4	1.4	16	85	4.9	0.15	0.7	1.2	A	MT DAY
22	12	35	52.0	36-31.1	121- 8.1	8.8	1.4	11	88	5.4	0.06	0.3	0.7	A	BICKMORE CANYON
22	13	1	55.6	36-46.9	121-17.3	6.4	1.0	11	102	8.9	0.21	1.2	3.9	B	TRES PINOS
22	15	26	53.5	37-26.2	121-59.0	14.1	1.2	16	78	14.9	0.11	0.5	0.5	B	MILPITAS
22	17	49	24.9	35-53.6	120-18.5	7.3	2.3	7	241	4.9	0.06	1.2	1.0	C	THE DARK HOLE
22	20	29	13.9	36-31.8	121- 5.4	8.6	1.1	8	110	2.6	0.11	0.9	2.0	B	SAN BENITO
23	0	32	45.1	36-31.7	121- 5.4	9.1	2.1	15	86	2.3	0.11	0.5	0.8	A	SAN BENITO
23	1	36	14.6	36-31.6	121- 5.2	8.5	1.2	9	88	2.1	0.11	0.7	1.3	A	SAN BENITO
23	2	0	13.0	36-31.8	121- 5.0	8.9	1.4	9	101	2.3	0.11	0.8	1.3	B	SAN BENITO
23	2	2	43.8	36-31.5	121- 5.1	8.8	1.0	9	89	1.9	0.10	0.7	1.2	A	SAN BENITO
23	2	44	6.7	36-27.3	121- 2.1	7.6	1.0	9	112	3.7	0.07	0.5	0.9	B	NE 1/4 GREENFIELD
23	4	1	24.9	36-31.5	121- 5.1	8.6	0.7	8	89	1.9	0.10	0.7	1.3	A	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 23	4	22	8.6	36-21.2	120-57.5	12.6	1.8	8	93	5.0	0.10	0.9	1.7	B	SW 1/4 HERNANDEZ VALLEY
23	4	35	1.4	37-34.4	121-49.1	5.1	1.3	11	87	13.7	0.12	0.6	0.6	B	LA COSTA VALLEY
23	6	5	30.5	36-31.7	121- 5.3	8.4	1.2	10	87	2.2	0.09	0.6	1.1	A	SAN BENITO
23	6	9	39.4	36-31.7	121- 5.5	8.4	2.0	15	85	2.5	0.08	0.4	0.7	A	SAN BENITO
23	7	14	22.1	36-31.0	121- 8.0	8.5	0.8	8	88	5.2	0.08	0.6	1.4	A	BICKMORE CANYON
23	8	32	27.1	36-21.1	120-56.2	2.4	0.7	6	120	4.2	0.13	1.4	1.5	B	SW 1/4 HERNANDEZ VALLEY
23	11	29	37.6	35-47.8	120-21.0	5.0	2.0	6	273	3.8	0.05	1.4	0.4	C	CHOLAME VALLEY
23	12	17	49.4	36-31.6	121- 5.6	8.7	2.0	14	84	2.5	0.09	0.4	0.8	A	SAN BENITO
23	12	45	22.1	38-34.6	122-23.8	13.0	1.6	8	250	19.5	0.05	1.2	0.6	C	ST HELENA
23	13	19	4.6	37-20.7	122-13.2	9.2	1.0	7	105	1.7	0.07	0.7	1.1	B	MINDEGO HILL
23	14	30	49.7	36-57.6	121-37.1	4.3	1.8	15	74	3.1	0.10	0.4	0.4	A	CHITTENDEN
23	14	37	10.1	36-57.6	121-37.2	4.5	2.0	19	75	3.2	0.12	0.4	0.5	A	CHITTENDEN
23	16	50	38.1	36-27.5	121- 4.3	1.3	1.1	10	97	5.7	0.12	0.6	0.6	B	NE 1/4 GREENFIELD
24	5	2	57.5	36-15.7	120-51.4	5.1	1.2	7	117	7.6	0.14	1.1	4.6	B	SE 1/4 HERNANDEZ VALLEY
24	8	59	46.0	36-31.5	121- 5.1	9.8	0.8	8	89	1.9	0.11	0.8	1.7	A	SAN BENITO
24	16	39	35.1	36-20.6	120-57.1	9.3	2.3	17	88	3.7	0.35	1.5	3.9	B	SW 1/4 HERNANDEZ VALLEY
24	17	52	47.7	36-32.1	121- 7.3	0.3	1.7	11	79	5.0	0.10	0.5	0.6	A	SAN BENITO
24	18	53	14.7	36-57.3	121-36.9	4.7	1.7	16	77	2.8	0.08	0.3	0.4	A	CHITTENDEN
24	19	18	41.3	36-57.2	121-36.8	3.7	1.1	11	78	2.7	0.10	0.5	0.9	A	CHITTENDEN
24	19	18	54.4	36-57.1	121-36.6	4.3	1.1	12	79	2.5	0.10	0.5	0.5	A	CHITTENDEN
24	21	51	31.1	36-38.1	121-15.6	5.9	1.5	9	62	8.4	0.10	0.6	1.9	B	PAICINES
25	4	44	20.5	36-41.4	121-21.8	4.2	1.7	16	62	2.8	0.14	0.5	1.1	A	PAICINES
25	10	8	4.3	36-53.8	121-15.4	4.8	0.8	9	160	4.8	0.11	0.8	0.8	B	THREE SISTERS
25	13	44	5.7	37-26.6	121-46.7	6.8	1.5	14	100	2.1	0.14	0.7	1.2	B	CALAVERAS RESERVOIR
25	16	9	32.2	36-57.4	121-39.6	9.3	1.1	8	89	3.2	0.05	0.4	0.8	A	WATSONVILLE EAST
25	17	25	56.8	36-24.9	120-53.7	0.6	1.6	9	156	8.3	0.13	0.8	0.7	B	NW 1/4 HERNANDEZ VALLEY
25	19	23	45.5	35-48.8	120-20.9	4.1	1.3	6	266	2.0	0.11	3.0	0.7	D	CHOLAME VALLEY
25	19	37	19.8	36-34.7	121-12.4	4.0	1.4	9	70	1.6	0.09	0.6	0.5	A	BICKMORE CANYON
25	23	7	3.2	36-11.4	120-46.8	5.1	2.0	6	159	3.2	0.03	0.4	0.6	B	MONARCH PEAK
25	23	37	57.7	36-16.2	120-51.7	6.2	1.9	7	116	7.8	0.15	1.3	4.7	B	SE 1/4 HERNANDEZ VALLEY
26	7	21	47.6	37-22.9	121-43.2	2.4	1.6	11	85	4.1	0.12	0.6	0.4	A	MT DAY
26	12	15	19.6	36-31.7	121- 7.0	9.6	0.6	8	81	4.2	0.10	0.7	2.0	A	SAN BENITO
26	14	54	19.1	35-58.7	120-34.9	1.9	1.7	9	139	10.3	0.08	0.8	0.6	B	STOCKDALE MTN
26	16	47	21.9	36-32.9	121-10.9	6.7	1.2	10	70	3.1	0.07	0.4	0.8	A	BICKMORE CANYON
26	21	13	40.2	36-31.6	121- 8.6	3.2	2.1	17	57	6.4	0.14	0.6	0.6	B	BICKMORE CANYON
26	22	15	54.8	36-22.0	120-56.4	5.1	1.2	7	103	9.5	0.08	0.8	0.7	B	SW 1/4 HERNANDEZ VALLEY
26	23	28	29.4	36-31.7	121- 7.0	8.8	0.8	9	82	4.2	0.11	0.8	1.5	A	SAN BENITO
27	2	26	26.4	37-57.5	122-18.4	4.8	1.5	10	90	11.0	0.10	1.3	1.5	C	RICHMOND
27	2	30	16.6	36-45.9	121-16.1	8.4	1.7	19	94	9.1	0.09	0.3	1.1	B	TRES PINOS
27	2	32	58.5	36-49.1	121-23.6	7.9	1.9	24	39	4.3	0.12	0.4	1.0	A	HOLLISTER
27	2	59	13.2	37-57.5	122-18.0	9.3	1.4	9	91	10.0	0.17	1.0	4.2	B	RICHMOND
27	6	1	16.9	35-50.5	121-16.2	9.5	2.2	11	245	28.4	0.10	2.1	1.0	C	BURRO MTN
27	6	25	56.8	36-30.7	121- 6.6	8.6	1.6	11	61	3.1	0.09	0.5	1.0	A	SAN BENITO
27	7	24	6.7	36-32.8	121- 5.4	11.3	0.9	7	104	4.3	0.09	1.0	2.3	B	SAN BENITO
27	13	5	1.4	37- 1.9	121-28.7	5.5	0.9	11	61	0.9	0.15	0.8	0.8	B	GILROY HOT SPRINGS

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
MAY 27	14	51	20.4	38-33.7	122-46.0	3.7	1.4	7	246	4.0	0.05	1.5	3.4	C	HEALDSBURG
27	18	51	52.2	36-13.3	121-42.7	10.0	1.6	9	258	38.3	0.06	1.3	0.6	C	PARTINGTON RIDGE
28	5	1	2.3	36-57.5	121-39.5	9.7	0.9	11	77	2.9	0.07	0.5	0.8	A	WATSONVILLE EAST
28	6	11	40.7	36-40.3	121-20.2	4.9	0.7	7	102	4.1	0.04	0.4	0.8	B	PAICINES
28	10	35	7.3	36-31.5	121- 5.6	12.9	0.7	7	96	2.3	0.07	1.1	2.0	B	SAN BENITO
28	13	22	38.6	36-26.1	121- 1.9	0.1	1.3	7	108	1.7	0.09	0.7	0.6	B	NE 1/4 GREENFIELD
28	13	43	3.8	36-21.5	120-58.2	9.4	1.9	16	94	6.1	0.19	0.9	1.7	B	SW 1/4 HERNANDEZ VALLEY
28	14	47	37.6	36-21.8	120-56.3	5.7	0.9	6	131	5.4	0.09	1.1	6.0	C	SW 1/4 HERNANDEZ VALLEY
28	18	8	31.3	35-59.3	120- 7.4	5.0	1.6	6	306	20.3	0.18	7.6	0.6	D	KETTLEMAN PLAIN
28	19	45	32.0	36-42.5	121-22.6	3.8	1.3	10	77	2.9	0.15	0.8	0.7	A	MT HARLAN
28	20	0	24.2	36-31.3	121- 7.8	4.1	1.2	9	86	5.0	0.17	0.9	3.2	B	BICKMORE CANYON
28	21	0	22.4	36-30.5	120-49.8	10.0	1.9	11	218	15.0	0.17	1.7	4.7	C	SE 1/4 PANOCHE VALLEY
29	3	55	59.0	36-32.1	121- 7.7	11.6	2.0	14	64	5.4	0.08	0.4	0.8	A	BICKMORE CANYON
29	6	7	38.8	36-53.7	121-15.9	4.8	1.2	14	153	4.0	0.13	0.6	0.7	B	THREE SISTERS
29	9	25	33.4	36-27.2	121- 4.0	5.2	1.2	11	98	5.4	0.07	0.4	1.1	B	NE 1/4 GREENFIELD
29	9	40	33.8	36-15.6	120-51.3	3.2	1.4	7	118	7.3	0.11	0.8	5.5	C	SE 1/4 HERNANDEZ VALLEY
29	10	20	41.9	36-57.2	121-40.1	10.2	1.4	13	59	2.4	0.08	0.4	0.7	A	WATSONVILLE EAST
29	12	27	50.2	36-30.0	120-50.0	8.4	1.4	8	234	14.2	0.15	3.5	15.4	D	SE 1/4 PANOCHE VALLEY
29	14	14	25.9	36-31.6	121- 8.4	4.2	0.9	8	83	6.1	0.14	0.9	3.0	B	BICKMORE CANYON
29	15	49	1.4	36- 0.9	120-52.1	14.5	1.2	7	161	16.9	0.07	0.8	0.6	B	PANCHO RICO VALLEY
29	16	13	38.0	36-31.5	121- 6.1	16.3	0.8	7	129	2.8	0.16	2.2	3.9	B	SAN BENITO
29	17	39	35.8	37-22.9	121-43.6	6.5	1.4	9	83	3.6	0.16	0.9	2.0	B	MT DAY
29	17	55	19.4	36-30.9	121- 6.6	8.7	0.6	7	88	3.1	0.09	0.8	1.9	A	SAN BENITO
29	22	48	5.6	37-18.6	121-39.4	4.6	1.8	19	65	5.9	0.13	0.5	0.3	B	LICK OBSERVATORY
30	1	9	47.7	36-43.9	121-25.3	5.7	1.3	12	66	4.3	0.15	0.7	1.4	A	MT HARLAN
30	2	19	25.8	37-27.7	121-46.0	4.8	0.7	7	83	3.1	0.12	1.0	0.7	A	CALAVERAS RESERVOIR
30	2	54	46.4	37-32.5	121-48.8	6.0	3.0	31	67	10.1	0.18	0.5	0.6	B	LA COSTA VALLEY
30	7	0	23.4	36-57.3	121-39.9	10.2	0.9	9	95	2.7	0.09	0.7	1.2	B	WATSONVILLE EAST
30	7	19	12.1	36-32.9	121- 5.7	12.3	1.0	8	101	4.6	0.08	0.8	1.9	B	SAN BENITO
30	10	19	56.8	36-31.1	121- 7.6	9.6	1.3	11	59	4.7	0.07	0.4	0.9	A	BICKMORE CANYON
30	12	0	29.7	36-22.3	120-58.8	9.4	0.6	6	119	6.7	0.08	1.0	2.3	B	SW 1/4 HERNANDEZ VALLEY
30	12	20	2.5	36-32.0	121- 7.6	12.0	2.0	14	66	5.3	0.07	0.3	0.6	A	BICKMORE CANYON
30	14	56	10.4	36-35.7	121-13.1	1.8	1.4	7	121	3.5	0.04	0.3	0.3	B	BICKMORE CANYON
30	16	18	45.6	36-29.3	121- 6.4	1.7	0.6	7	106	3.6	0.08	0.6	0.4	B	NE 1/4 GREENFIELD
30	17	21	42.4	37-25.1	121-45.6	4.1	1.4	9	82	5.1	0.13	0.7	0.4	B	CALAVERAS RESERVOIR
30	18	44	6.0	36-33.6	121-11.8	6.1	0.6	7	120	1.8	0.04	0.3	0.5	B	BICKMORE CANYON
31	2	0	37.2	36-31.9	120-46.3	12.3	1.3	7	267	18.1	0.12	7.3	12.7	D	SE 1/4 PANOCHE VALLEY
31	2	37	5.0	36-56.9	121-37.6	6.3	0.8	8	123	3.6	0.03	0.2	0.4	B	WATSONVILLE EAST
31	5	32	36.8	36-53.9	121-15.8	4.9	0.9	11	156	4.3	0.12	0.8	1.6	B	THREE SISTERS
31	9	34	30.0	36-21.6	120-57.9	7.3	0.9	10	103	5.9	0.12	0.7	1.4	B	SW 1/4 HERNANDEZ VALLEY
31	15	9	52.7	36-31.5	121- 6.2	9.4	1.0	9	82	3.0	0.08	0.5	1.1	A	SAN BENITO
31	18	58	46.8	36-31.1	121- 7.8	9.8	1.3	9	87	5.0	0.07	0.4	1.0	A	BICKMORE CANYON
JUN 1	7	55	45.5	36-21.7	120-57.9	8.7	0.5	6	119	6.0	0.10	1.1	2.5	B	SW 1/4 HERNANDEZ VALLEY
1	11	4	1.0	36-57.3	121-39.9	9.2	0.5	12	92	2.7	0.06	0.4	0.6	B	WATSONVILLE EAST
1	11	44	0.7	36-31.5	121- 6.6	11.2	1.1	10	83	3.6	0.08	0.5	1.0	A	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 1	13	2	28.4	36-57.3	121-39.9	9.4	1.0	12	96	2.6	0.06	0.4	0.7	B	WATSONVILLE EAST
1	15	3	5.6	36-39.7	121-18.[illegible]	3.1	1.6	16	64	5.9	0.14	0.7	0.7	B	PAICINES
1	21	35	29.6	36-39.5	121-[illegible].0	4.2	[illegible].7	19	61	6.2	0.16	0.6	1.0	B	PAICINES
1	23	35	3.4	36-40.3	121-19.5	3.7	1.3	10	72	4.4	0.16	0.9	0.9	B	PAICINES
1	23	35	57.3	36- 3.7	12J- 5.1	5.2	2.1	8	277	27.0	0.18	5.9	1.3	D	LA CIMA
2	1	45	34.7	36-33.5	121- 3.0	13.5	1.2	8	104	4.2	0.10	1.2	0.8	B	SAN BENITO
2	3	21	8.3	36-37.2	121-39.7	10.0	1.1	10	93	2.5	0.06	0.5	0.8	B	WATSONVILLE EAST
2	3	45	48.7	36-57.3	121-39.7	9.7	1.0	12	87	2.6	0.05	0.4	0.6	A	WATSONVILLE EAST
2	5	11	25.5	36-37.6	121-11.3	5.8	1.3	9	87	4.4	0.07	0.4	0.8	A	CHERRY PEAK
2	7	16	31.9	36-46.6	121-25.1	5.3	1.7	23	49	2.8	0.16	0.5	0.9	B	HOLLISTER
2	8	35	21.2	36-22.0	120-59.0	6.8	1.1	12	96	7.1	0.13	0.7	1.7	B	SW 1/4 HERNANDEZ VALLEY
2	13	50	49.6	36-49.2	121-23.5	9.0	1.3	19	39	4.3	0.10	0.4	1.0	A	HOLLISTER
2	22	46	54.4	37-32.3	121-48.8	5.9	1.4	11	73	9.7	0.06	0.3	0.5	B	LA COSTA VALLEY
3	4	23	7.7	36-59.2	121-26.4	8.0	1.3	17	64	3.4	0.12	0.5	1.0	A	SAN FELIPE
3	8	19	53.2	36-39.5	121-17.1	5.7	2.9	29	67	5.3	0.12	0.3	0.5	A	PAICINES
3	13	19	24.2	37-26.1	121-45.9	6.8	0.6	8	92	3.5	0.14	1.0	1.8	B	CALAVERAS RESERVOIR
3	14	48	31.0	36-39.6	121-17.2	5.1	1.8	15	68	5.6	0.13	0.5	1.4	B	PAICINES
3	17	23	48.9	36-48.4	120-53.0	5.3	2.1	25	156	21.7	0.19	1.3	0.9	C	SW 1/4 ORTIGALITA PEAK
3	19	53	13.8	36-37.3	121-14.9	8.4	2.0	12	56	7.3	0.10	0.5	1.2	A	BICKMORE CANYON
3	21	32	52.4	36-29.3	121- 6.4	1.0	1.5	10	106	3.6	0.14	0.8	0.9	B	NE 1/4 GREENFIELD
4	1	3	35.9	36-39.5	121-17.1	5.7	2.8	29	67	5.3	0.11	0.3	0.5	A	PAICINES
4	1	4	36.1	36-50.7	121-30.2	6.4	1.9	16	61	8.1	0.09	0.4	1.3	B	SAN JUAN BAUTISTA
4	1	53	40.6	36-22.2	120-59.2	8.6	2.6	19	74	6.7	0.18	0.8	1.2	B	SW 1/4 HERNANDEZ VALLEY
4	4	40	7.6	36-41.1	121-11.6	10.0	1.6	11	113	2.9	0.07	0.4	0.9	B	CHERRY PEAK
4	4	44	52.9	36-41.2	121-12.0	8.7	1.0	10	111	3.3	0.13	0.8	1.6	B	CHERRY PEAK
4	7	53	21.8	36-29.2	121-26.9	7.9	1.9	16	138	8.3	0.10	0.5	1.2	B	PALO ESCRITO PEAK
4	15	17	44.6	36-35.1	121-13.6	5.8	2.2	22	67	3.5	0.11	0.4	0.5	A	BICKMORE CANYON
4	18	39	37.4	36-31.5	121- 5.7	9.1	1.1	7	107	2.4	0.12	1.2	3.9	B	SAN BENITO
4	21	21	1.6	36-11.3	121-12.6	5.0	1.8	16	144	12.2	0.23	1.1	3.5	C	THOMPSON CANYON
4	21	44	40.4	36-37.9	121-11.0	7.3	1.2	8	97	3.8	0.09	0.9	1.3	B	CHERRY PEAK
5	3	14	15.6	36-31.5	121- 5.0	9.4	0.8	8	114	1.9	0.09	0.9	1.5	B	SAN BENITO
5	3	34	41.8	36-31.6	121- 5.3	9.2	1.5	11	87	2.2	0.08	0.5	0.9	A	SAN BENITO
5	4	39	50.6	36-34.2	121-12.5	6.5	0.6	7	115	1.8	0.06	0.5	0.9	B	BICKMORE CANYON
5	7	32	35.2	36-38.0	121-16.7	4.1	1.8	21	55	4.0	0.11	0.4	0.5	A	PAICINES
5	8	16	24.8	36-22.1	120-58.8	7.2	0.9	9	98	7.0	0.10	0.7	1.6	B	SW 1/4 HERNANDEZ VALLEY
5	9	28	55.2	36-34.2	121-12.3	6.1	1.2	9	72	1.6	0.03	0.2	0.3	A	BICKMORE CANYON
5	9	30	1.2	36-34.3	121-12.5	6.3	0.6	8	81	1.7	0.07	0.5	0.9	A	BICKMORE CANYON
5	9	55	13.7	36-33.7	121- 3.9	11.0	1.4	12	86	4.9	0.15	1.0	1.6	A	SAN BENITO
5	11	47	38.6	36-26.0	121- 1.3	10.8	1.2	10	112	1.1	0.08	0.6	1.0	B	NE 1/4 GREENFIELD
5	12	57	36.0	37-13.3	121-37.3	4.6	1.2	13	93	6.0	0.11	0.5	0.4	B	MT SIZER
5	13	6	47.1	36-53.9	121-29.8	8.3	0.6	9	131	2.3	0.06	0.5	0.9	B	SAN FELIPE
5	17	38	8.1	36-50.9	121-30.1	9.6	1.3	13	61	7.7	0.15	0.8	1.8	A	SAN JUAN BAUTISTA
5	23	18	35.3	37-23.4	121-44.3	4.4	2.4	34	82	3.7	0.21	0.5	0.4	B	MT DAY
6	1	8	26.7	36-51.3	121-35.0	9.0	0.6	8	95	3.5	0.08	0.9	1.4	B	SAN JUAN BAUTISTA
6	2	11	36.1	36-56.6	121-25.8	6.3	0.8	11	75	5.2	0.12	0.6	1.8	A	SAN FELIPE

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 6	2	56	31.9	36- 0.9	120-36.9	3.7	1.6	9	135	14.0	0.13	1.4	1.3	C	SE 1/4 PRIEST VALLEY
6	3	46	26.7	36-37.8	121-16.4	10.5	0.7	7	102	3.6	0.13	1.3	3.2	B	PAICINES
6	8	16	49.7	36-15.5	120-21.7	4.6	2.2	10	223	36.1	0.07	1.5	0.5	C	DOMENGINE RANCH
6	8	19	24.9	36-22.4	120-59.5	10.2	0.8	7	97	6.1	0.13	1.2	2.5	B	SW 1/4 HERNANDEZ VALLEY
6	19	3	16.7	36-27.7	121- 3.8	2.9	2.6	16	101	5.4	0.16	0.7	0.8	B	NE 1/4 GREENFIELD
6	22	44	17.7	35-59.0	120-34.2	5.0	1.1	6	144	9.6	0.05	0.8	0.7	B	STOCKDALE MTN
6	22	45	33.3	36-40.2	121-19.9	4.5	1.5	15	62	4.4	0.14	0.5	0.7	A	PAICINES
7	1	20	4.8	36-52.1	121-18.7	2.9	1.2	12	102	1.8	0.13	0.6	0.4	B	TRES PINOS
7	1	52	53.0	36-52.2	121-19.0	2.4	0.9	11	88	1.8	0.16	0.7	0.4	B	TRES PINOS
7	2	10	17.4	36-30.7	121- 8.4	3.7	0.9	7	146	5.7	0.08	0.7	0.7	B	BICKMORE CANYON
7	3	40	52.4	36-50.8	121-22.1	6.9	1.6	18	56	3.5	0.08	0.3	0.7	A	TRES PINOS
7	5	54	59.1	36-36.2	121-13.6	2.5	2.1	18	61	3.5	0.13	0.4	0.5	A	BICKMORE CANYON
7	6	25	10.3	35-58.8	120-35.2	1.8	1.3	7	139	10.8	0.10	1.1	0.9	C	STOCKDALE MTN
7	8	13	46.3	37-13.7	121-35.5	2.9	0.7	8	105	7.9	0.08	0.5	0.4	B	MT SIZER
7	8	31	11.9	36-36.8	121- 8.7	11.3	0.6	6	84	5.7	0.05	0.6	1.4	A	BICKMORE CANYON
7	20	59	35.3	36-31.5	121- 5.3	8.2	0.9	9	88	2.0	0.11	0.7	1.3	A	SAN BENITO
7	22	12	36.9	37-52.5	121-50.6	6.9	1.5	8	146	6.9	0.10	0.8	0.7	B	ANTIOCH SOUTH
7	22	21	53.6	36- 0.9	120-36.1	2.0	1.4	10	149	13.8	0.12	0.9	0.6	B	SE 1/4 PRIEST VALLEY
8	3	13	7.9	36-34.5	121-12.4	5.2	1.4	9	72	1.5	0.05	0.3	0.5	A	BICKMORE CANYON
8	4	39	41.1	36-53.7	121-24.8	4.6	1.1	12	75	4.3	0.09	0.4	2.7	B	SAN FELIPE
8	10	17	20.9	36-41.1	121-21.7	4.0	1.1	9	88	3.2	0.13	0.9	0.7	A	PAICINES
8	20	21	15.8	36-47.8	121-22.3	12.3	1.1	10	65	7.2	0.10	0.7	1.6	A	TRES PINOS
9	0	17	29.0	36-40.7	121-21.1	4.8	1.0	9	83	3.5	0.13	0.9	1.7	A	PAICINES
9	6	51	9.1	36-23.0	120-59.5	10.5	0.9	7	122	5.1	0.04	0.5	0.8	B	NW 1/4 HERNANDEZ VALLEY
9	9	15	57.4	36-22.2	120-59.0	8.1	1.3	13	98	6.8	0.12	0.6	1.2	B	SW 1/4 HERNANDEZ VALLEY
9	16	15	3.0	36-20.8	120-56.9	7.2	1.4	9	108	3.9	0.11	0.7	1.3	B	SW 1/4 HERNANDEZ VALLEY
9	17	50	48.1	36-16.3	120-52.2	2.3	1.4	8	111	7.2	0.16	1.1	9.6	C	SE 1/4 HERNANDEZ VALLEY
9	18	41	27.0	38-34.3	121-57.6	5.4	2.0	9	259	19.7	0.15	6.9	3.7	D	WINTERS
10	8	45	44.0	36-21.7	120-58.5	9.3	1.0	9	95	6.6	0.11	0.8	1.6	B	SW 1/4 HERNANDEZ VALLEY
10	10	42	43.3	36-56.8	121-35.2	3.6	0.7	8	92	1.3	0.08	0.4	0.3	B	CHITTENDEN
10	15	13	57.2	38-20.7	122-37.7	3.7	0.9	6	74	6.4	0.02	0.2	2.0	B	COTATI
10	18	12	35.2	36-31.2	121- 7.6	9.4	1.7	12	82	4.8	0.13	0.7	1.4	A	BICKMORE CANYON
11	0	34	15.8	36-22.1	120-58.7	6.3	1.1	9	98	7.1	0.10	0.7	1.6	B	SW 1/4 HERNANDEZ VALLEY
11	1	50	44.1	36-31.4	121- 7.3	10.1	0.9	8	84	4.4	0.07	0.5	1.1	A	SAN BENITO
11	11	52	48.0	36-14.2	120-50.2	0.1	0.7	7	117	4.4	0.13	1.0	1.5	B	MONARCH PEAK
11	12	12	24.8	36-31.1	121- 7.5	10.2	1.1	10	87	4.6	0.09	0.5	1.1	A	BICKMORE CANYON
11	13	20	51.6	36-31.9	121- 7.7	4.4	1.3	8	80	5.3	0.10	0.7	2.0	B	BICKMORE CANYON
12	9	10	16.1	38-42.7	122-22.0	12.3	1.5	5	307	29.9	0.02	2.5	0.7	D	WALTERS SPRINGS
12	9	55	54.2	36-39.9	121-19.4	4.1	0.8	10	62	5.3	0.17	0.9	2.8	B	PAICINES
12	10	13	5.7	36-28.3	121-38.0	11.0	1.4	17	163	10.1	0.09	0.5	0.7	B	CARMEL VALLEY
12	13	38	4.3	35-52.2	120-26.1	10.6	2.0	9	107	2.3	0.14	1.3	1.2	B	CHOLAME HILLS
12	14	40	10.0	37-23.4	121-43.9	4.3	0.6	9	84	4.1	0.10	0.7	0.5	A	MT DAY
12	15	24	22.0	36-31.5	121- 5.6	7.4	1.3	13	84	2.3	0.11	0.5	1.0	A	SAN BENITO
12	15	28	21.3	36-31.6	121- 5.9	6.4	1.6	16	82	2.8	0.17	0.7	1.4	B	SAN BENITO
12	15	52	47.1	37- 8.5	121-31.6	10.8	0.3	7	117	8.7	0.07	0.7	1.6	B	MT SIZER

CENTRAL CALIFORNIA EARTHQUAKES--SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 12	17	35	14.4	35-58.8	120-35.6	1.8	1.1	6	163	11.3	0.08	1.2	0.8	C	STOCKDALE MTN
12	17	44	45.3	35-59.3	120-35.4	4.2	1.0	7	147	11.4	0.13	1.7	1.4	C	STOCKDALE MTN
12	17	56	12.3	36-55.4	121-31.9	4.4	2.3	32	52	2.3	0.11	0.3	0.3	A	CHITTENDEN
12	18	5	10.8	36-55.3	121-31.8	2.9	1.9	21	51	2.1	0.09	0.2	0.2	A	CHITTENDEN
12	23	28	42.6	36-54.0	121-15.7	4.9	1.2	16	157	4.4	0.13	0.6	1.6	B	THREE SISTERS
13	20	29	16.9	36-30.6	121- 6.7	8.6	0.7	8	91	3.2	0.08	0.6	1.3	B	SAN BENITO
14	2	26	40.9	36-52.0	121-36.0	5.0	1.8	17	91	2.2	0.14	0.5	0.6	B	SAN JUAN BAUTISTA
14	5	35	37.0	36-38.9	121-18.0	5.9	1.5	8	78	7.7	0.09	0.6	1.7	B	PAICINES
14	7	9	21.0	36-22.0	120-58.3	8.0	1.6	14	98	6.9	0.13	0.6	1.4	B	SW 1/4 HERNANDEZ VALLEY
14	7	9	51.7	37-22.9	121-43.0	5.6	0.7	8	86	4.2	0.11	0.7	2.3	B	MT DAY
14	7	47	55.9	37-45.0	122-32.1	12.8	1.3	9	160	13.7	0.16	1.4	1.2	C	POINT BONITA
14	9	33	12.0	36-39.1	121-18.0	4.8	1.5	9	61	7.6	0.06	0.4	1.3	B	PAICINES
14	11	19	19.2	36-32.4	121- 9.0	10.7	0.4	7	97	5.2	0.06	0.5	1.2	B	BICKMORE CANYON
14	14	37	51.6	36-54.1	121-33.6	6.2	0.7	9	90	3.3	0.08	0.6	1.0	B	CHITTENDEN
14	15	17	9.1	36-31.1	121- 3.6	13.5	0.4	6	216	1.6	0.10	2.5	3.9	D	SAN BENITO
14	15	26	33.3	36-32.0	121- 5.4	9.6	1.1	10	84	2.8	0.17	1.0	2.0	B	SAN BENITO
14	15	47	49.5	36-30.8	121- 6.6	8.7	1.0	8	89	3.1	0.10	0.7	1.6	A	SAN BENITO
14	15	58	19.3	36-39.0	121-17.8	5.2	1.1	7	75	7.7	0.05	0.4	1.3	B	PAICINES
14	21	41	10.5	36-31.1	121- 7.8	10.0	1.7	12	58	5.0	0.08	0.4	0.7	A	BICKMORE CANYON
14	21	56	17.7	36-52.1	121-36.0	4.9	2.0	22	90	2.0	0.18	0.6	0.8	B	SAN JUAN BAUTISTA
14	22	9	5.4	36-31.6	121- 7.7	9.8	0.9	8	83	5.1	0.09	0.7	1.7	A	BICKMORE CANYON
14	23	17	2.3	36-44.2	120-59.6	2.4	1.4	8	220	12.5	0.10	1.6	0.7	C	NW 1/4 PANOCHE VALLEY
14	23	56	33.7	36-34.4	121-12.8	7.7	1.1	9	111	2.2	0.03	0.2	0.3	B	BICKMORE CANYON
15	0	45	52.2	36-19.2	120-54.9	8.2	1.4	6	99	1.3	0.06	0.6	1.1	B	SW 1/4 HERNANDEZ VALLEY
15	2	47	11.5	36-39.3	121-18.1	4.0	1.7	12	79	6.5	0.15	0.8	0.7	B	PAICINES
15	8	13	56.7	36-18.8	120-54.8	6.0	1.1	11	84	1.5	0.14	0.8	1.2	A	SW 1/4 HERNANDEZ VALLEY
15	11	47	13.8	35-57.6	120-31.6	4.4	1.0	6	147	4.9	0.08	0.3	0.2	B	STOCKDALE MTN
15	12	19	21.9	35-57.2	120-32.5	2.9	1.1	6	147	6.1	0.02	0.3	0.2	B	STOCKDALE MTN
15	19	44	58.1	37-34.4	121-49.0	2.7	0.4	7	93	13.7	0.14	0.9	0.8	B	LA COSTA VALLEY
15	21	12	19.4	36-42.1	121-21.9	2.6	1.7	16	60	2.1	0.19	0.8	0.6	B	PAICINES
16	0	9	20.9	36-55.2	121-31.7	3.6	1.8	17	61	1.9	0.12	0.5	0.4	A	CHITTENDEN
16	5	21	57.7	36-43.2	121-24.7	4.7	1.3	14	69	5.9	0.16	0.7	1.6	B	MT HARLAN
16	8	17	23.9	36-37.1	121-16.1	5.6	0.8	9	92	3.6	0.07	0.4	0.9	B	MT JOHNSON
16	8	38	56.1	36-37.4	121-15.3	4.7	0.8	9	156	2.4	0.08	0.6	0.9	B	MT JOHNSON
16	8	46	46.0	36-34.4	121- 3.4	13.8	0.8	8	112	3.4	0.03	0.4	0.3	B	SAN BENITO
16	10	15	38.7	36-38.9	121-17.8	3.8	1.4	8	76	5.9	0.03	0.2	0.2	B	PAICINES
16	11	0	1.3	36-21.2	120-56.4	4.7	0.6	6	114	4.4	0.12	1.4	4.6	B	SW 1/4 HERNANDEZ VALLEY
16	14	9	46.9	36-34.6	121- 3.6	13.3	1.0	9	82	3.5	0.07	0.7	1.2	A	SAN BENITO
16	20	30	11.1	36-33.2	121- 6.5	9.6	2.2	15	68	5.6	0.11	0.5	0.8	A	SAN BENITO
16	20	39	16.6	36-33.1	121- 6.4	9.1	2.1	13	69	5.4	0.12	0.6	1.2	A	SAN BENITO
16	22	32	42.5	36-33.2	121- 6.4	10.0	0.9	7	119	5.6	0.11	1.0	1.9	B	SAN BENITO
17	2	21	49.6	36-24.3	120-57.2	14.3	1.2	8	123	6.2	0.05	0.5	0.4	B	NW 1/4 HERNANDEZ VALLEY
17	3	21	18.9	36-32.3	121- 5.8	5.8	0.5	6	146	3.6	0.03	0.4	0.7	B	SAN BENITO
17	5	0	13.5	36-33.1	121- 5.4	9.2	0.6	7	103	4.8	0.09	0.9	2.1	B	SAN BENITO
17	5	25	14.8	36-33.0	121- 5.5	11.1	1.3	9	76	4.7	0.08	0.6	1.1	A	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN	17	11	20	1.1	36-56.6	121-35.2	4.4	0.9	9	73	1.6	0.08	0.5	0.5	A	CHITTENDEN
	17	13	8	53.0	36-34.8	121-12.3	2.9	1.5	13	64	1.6	0.14	0.6	0.5	A	BICKMORE CANYON
	17	15	52	30.3	38-43.0	122-44.1	4.4	3.0	9	275	18.5	0.10	2.8	2.4	D	MOUNT ST HELENA
	17	18	11	26.2	36-37.2	121-17.0	9.3	1.5	12	115	4.8	0.10	0.6	1.0	B	MT JOHNSON
	17	19	7	24.9	36-29.2	121- 5.9	1.6	2.2	14	92	3.4	0.13	0.6	0.5	B	NE 1/4 GREENFIELD
	17	20	6	51.4	35-58.1	120-33.2	11.0	1.2	9	141	7.6	0.11	1.1	2.0	C	STOCKDALE MTN
	17	23	55	50.1	35-59.9	120-35.3	3.6	1.4	10	146	11.9	0.12	5.8	10.0	D	STOCKDALE MTN
	18	7	54	18.9	37-59.9	122- 6.6	12.9	1.2	12	63	8.3	0.16	0.8	1.0	B	WALNUT CREEK
	18	11	57	37.8	36-21.9	120-57.9	5.2	0.8	6	117	6.4	0.02	0.3	0.8	B	SW 1/4 HERNANDEZ VALLE
	18	14	44	23.5	36-52.0	121- 6.6	0.0	1.0	10	228	9.8	0.08	0.9	0.8	C	RUBY VALLEY
	18	15	22	56.3	36-26.8	120-31.1	12.5	1.9	7	235	28.2	0.19	6.1	4.2	D	NE 1/4 NEW IDRIA
	18	16	42	26.0	36-39.1	121- 9.4	13.8	1.6	11	93	2.1	0.11	0.8	0.7	B	CHERRY PEAK
	18	18	32	45.5	36-14.1	120-48.9	3.0	1.4	7	142	2.9	0.10	0.9	2.3	C	MONARCH PEAK
	18	19	39	2.1	36- 1.0	120-37.7	5.3	0.9	6	166	13.1	0.16	2.7	1.3	C	SW 1/4 PRIEST VALLEY
	19	2	16	52.9	36-26.6	121-54.4	10.0	2.3	18	226	17.5	0.09	1.0	0.5	C	SOBERANES POINT
	19	4	33	56.3	37- 8.7	121-32.6	4.6	1.0	9	157	7.5	0.10	0.8	0.8	B	MT SIZER
	19	4	53	9.5	37- 9.3	121-32.2	4.4	0.6	9	164	7.8	0.12	1.1	1.1	C	MT SIZER
	19	8	46	6.3	36-24.7	121- 0.6	3.1	0.9	8	129	1.6	0.08	0.8	0.5	B	NE 1/4 GREENFIELD
	19	14	40	1.3	37-13.0	121-39.3	4.5	1.5	12	139	4.8	0.10	0.5	0.4	B	MORGAN HILL
	19	14	41	17.5	37-12.8	121-39.3	4.1	1.1	11	136	5.2	0.08	0.4	0.3	B	MORGAN HILL
	19	20	1	4.0	36-31.4	121- 5.3	8.6	2.1	11	88	1.8	0.12	0.7	1.2	A	SAN BENITO
	19	20	5	29.8	36-31.5	121- 5.2	7.7	1.3	10	88	2.0	0.11	0.6	1.1	A	SAN BENITO
	19	20	31	23.0	36-27.5	121- 4.7	0.9	2.1	14	94	5.7	0.10	0.4	0.4	B	NE 1/4 GREENFIELD
	19	20	35	3.0	36-31.5	121- 5.4	9.0	1.8	12	86	2.2	0.10	0.5	1.0	A	SAN BENITO
	20	2	26	18.5	36-35.7	121-13.9	5.6	1.2	9	93	4.3	0.03	0.2	0.3	B	BICKMORE CANYON
	20	2	40	34.6	36-34.3	121-12.6	7.0	1.7	10	103	2.0	0.08	0.4	0.8	B	BICKMORE CANYON
	20	8	57	21.3	36-31.4	121- 5.6	7.9	2.1	13	85	2.1	0.09	0.4	0.9	A	SAN BENITO
	20	9	30	24.9	36-38.2	121-16.4	6.2	1.4	13	57	3.6	0.10	0.4	1.0	A	PAICINES
	20	9	34	1.9	36-31.3	121- 6.5	7.9	0.8	8	84	3.2	0.11	0.8	1.7	A	SAN BENITO
	20	12	30	29.6	35-56.8	120-31.7	7.2	1.9	9	131	4.9	0.13	1.1	2.2	B	STOCKDALE MTN
	20	22	28	17.8	36-33.8	121- 8.2	10.4	1.4	11	66	4.9	0.09	0.6	1.0	A	BICKMORE CANYON
	20	22	31	11.5	36-33.9	121- 8.3	11.8	0.8	8	66	4.7	0.08	0.7	1.8	A	BICKMORE CANYON
	20	23	12	49.6	36-33.8	121- 8.0	12.1	0.8	8	67	5.1	0.09	0.8	2.0	A	BICKMORE CANYON
	21	1	58	22.5	36-55.6	121-25.4	5.2	0.8	10	74	6.7	0.12	0.7	4.1	B	SAN FELIPE
	21	5	46	42.7	36-31.3	121- 7.1	8.7	1.5	11	82	4.0	0.10	0.6	1.2	A	SAN BENITO
	21	5	47	33.3	36-31.4	121- 7.0	8.2	0.4	8	84	4.0	0.11	0.8	1.8	A	SAN BENITO
	21	6	31	7.5	36-31.4	121- 6.6	8.2	0.8	9	84	3.4	0.10	0.6	1.4	A	SAN BENITO
	21	6	36	41.0	36-55.6	121-23.8	6.4	0.6	9	88	6.2	0.04	0.3	0.9	A	SAN FELIPE
	21	9	30	22.0	37-12.0	121-32.7	7.1	0.5	10	122	8.2	0.14	0.9	2.7	B	MT SIZER
	21	9	35	15.0	36-30.0	121- 7.0	3.3	1.6	10	65	3.9	0.09	0.5	0.6	A	SAN BENITO
	21	12	12	45.7	37-34.8	121-58.9	1.9	1.4	10	85	6.1	0.17	0.9	1.0	B	NILES
	22	0	39	42.6	36-57.5	121-36.9	1.6	0.4	7	97	2.8	0.11	0.6	0.5	B	CHITTENDEN
	22	12	37	18.6	36-33.7	121- 3.4	11.8	0.8	6	126	4.3	0.10	1.8	3.0	B	SAN BENITO
	22	16	3	27.4	36-36.5	121-14.8	4.4	1.1	10	61	3.2	0.05	0.3	0.5	A	BICKMORE CANYON
	22	16	55	0.1	36-31.2	121- 7.1	8.6	0.6	8	86	3.9	0.10	0.7	1.7	A	SAN BENITO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 22	20	36	59.1	36-42.9	121-22.3	2.8	2.0	12	80	2.6	0.13	0.7	0.6	A	PAICINES
22	20	53	31.6	36-49.0	121-25.7	12.1	1.8	20	40	4.7	0.15	0.5	1.1	B	HOLLISTER
22	22	18	46.3	37-28.3	121-39.8	3.2	1.2	7	130	12.2	0.09	0.7	0.7	B	MT DAY
23	4	12	46.4	36-31.9	121- 5.8	12.0	0.8	7	98	3.1	0.06	0.9	1.8	B	SAN BENITO
23	5	42	7.1	37-28.9	121-49.9	4.4	0.9	8	152	4.4	0.13	1.1	0.5	C	CALAVERAS RESERVOIR
23	19	57	48.1	36-22.3	120-58.9	7.0	2.1	15	99	6.7	0.15	0.7	1.5	B	SW 1/4 HERNANDEZ VALLEY
23	20	54	25.2	38-46.0	122-39.2		2.4	9	293	24.8	0.32	10.4		D	WHISPERING PINES
24	0	41	29.5	37-33.1	121-48.5	2.8	0.8	12	79	11.1	0.14	0.8	0.9	B	LA COSTA VALLEY
24	0	42	54.1	36-33.6	121- 8.7	10.2	1.2	8	80	4.3	0.06	0.6	1.1	A	BICKMORE CANYON
24	0	52	17.7	37-32.1	121-56.0	4.9	2.8	39	54	11.0	0.18	0.4	0.4	C	NILES
24	0	55	52.8	37-31.9	121-56.1	3.5	1.0	8	103	11.2	0.13	0.9	0.9	B	NILES
24	2	56	47.0	36-34.8	121-12.6	5.6	0.8	7	112	2.0	0.02	0.2	0.3	B	BICKMORE CANYON
24	9	46	0.8	36-16.3	120- 9.7	5.6	2.1	14	173	40.8	0.17	1.3	2.0	C	HARRIS RANCH
24	10	5	14.8	36-53.5	121-15.4	4.0	0.4	7	158	4.7	0.09	1.0	2.7	C	THREE SISTERS
24	11	12	18.3	35-48.5	120-21.9	4.9	1.7	7	147	2.7	0.05	0.8	0.3	B	CHOLAME VALLEY
24	12	39	51.0	38-30.6	122-15.5	9.5	1.2	7	206	20.7	0.12	1.6	6.5	D	CHILES VALLEY
24	13	47	41.7	37-21.9	121-44.2	7.0	1.7	14	76	1.9	0.12	0.5	3.0	B	LICK OBSERVATORY
24	14	2	21.0	37-21.9	121-44.4	4.2	1.8	18	76	1.6	0.11	0.4	0.3	A	LICK OBSERVATORY
24	18	3	13.6	38-31.9	122-15.1	11.7	2.0	7	220	21.5	0.12	1.9	1.6	C	CHILES VALLEY
24	19	25	6.9	35-55.2	120-28.9	3.5	1.3	6	121	3.0	0.06	0.6	0.4	B	PARKFIELD
24	20	46	59.3	36-58.7	121-38.9	8.2	1.4	20	63	4.9	0.09	0.3	0.7	A	WATSONVILLE EAST
24	20	59	43.1	36-37.6	121-14.9	3.0	1.4	10	59	1.7	0.13	0.7	0.6	A	CHERRY PEAK
25	0	18	5.4	36-29.9	121- 7.3	2.2	1.9	14	47	4.3	0.13	0.5	0.4	A	NE 1/4 GREENFIELD
25	3	28	3.7	37-31.5	121-54.4	2.6	1.0	7	85	12.5	0.09	0.6	0.5	B	NILES
25	6	31	30.0	36-29.9	120-50.3	4.2*	1.2	10	225	14.0	0.09	1.0	0.5	C	NE 1/4 HERNANDEZ VALLEY
25	10	9	23.8	36-32.6	121-10.6	7.0	1.4	12	65	3.6	0.06	0.3	0.6	A	BICKMORE CANYON
25	12	34	40.1	36-33.0	121- 5.8	11.5	2.0	15	75	4.7	0.10	0.5	0.8	A	SAN BENITO
25	13	28	2.5	36-33.0	121- 5.9	10.4	1.5	9	95	4.8	0.10	0.8	1.6	B	SAN BENITO
26	1	1	21.8	36-32.2	121- 6.6	12.6	0.5	7	126	4.2	0.08	0.9	1.9	B	SAN BENITO
26	7	29	21.6	36-32.8	121- 8.8	10.6	2.3	20	57	5.0	0.11	0.4	0.7	A	BICKMORE CANYON
26	7	59	40.2	36-32.8	121- 8.8	11.3	0.2	8	73	4.9	0.07	0.6	1.4	A	BICKMORE CANYON
26	8	25	3.1	36-55.4	121-35.4	3.6	0.9	8	83	3.8	0.03	0.2	0.2	A	CHITTENDEN
26	9	40	40.1	36-30.3	120-49.0	8.4	1.0	10	236	14.6	0.14	3.1	13.3	D	SE 1/4 PANOCHE VALLEY
26	10	4	19.3	36-30.5	120-49.8	9.4	2.2	15	211	15.1	0.14	1.1	3.5	C	SE 1/4 PANOCHE VALLEY
26	11	13	16.1	36-52.8	121-23.3	10.0	0.6	9	104	3.0	0.10	0.8	1.4	B	SAN FELIPE
26	15	48	54.9	36-47.0	121-29.5	4.0	1.2	10	74	3.3	0.08	0.7	0.6	A	HOLLISTER
26	20	25	24.7	37-30.0	121-52.6	3.7	1.9	14	65	8.7	0.19	0.8	0.6	B	NILES
27	0	13	5.6	36-32.8	121- 8.8	10.6	1.5	10	73	4.9	0.07	0.4	0.9	A	BICKMORE CANYON
27	2	7	42.3	37-48.0	121-56.9	4.5	1.1	7	74	1.4	0.09	1.1	1.3	B	DIABLO
27	3	57	10.6	37-25.5	121-46.9	3.5	1.8	23	76	3.3	0.17	0.6	0.4	B	CALAVERAS RESERVOIR
27	5	49	23.7	36-29.0	121- 6.2	2.3	1.5	13	75	3.8	0.11	0.4	0.4	A	NE 1/4 GREENFIELD
27	6	41	48.7	36-33.7	121- 9.1	8.6	1.9	16	57	3.6	0.11	0.4	0.9	A	BICKMORE CANYON
27	7	11	37.2	36-17.5	120-53.1	4.5	0.6	8	103	4.7	0.14	1.0	2.9	B	SW 1/4 HERNANDEZ VALLEY
27	7	11	43.4	36-17.5	120-52.9	2.7	1.5	9	105	5.0	0.15	0.9	1.4	B	SW 1/4 HERNANDEZ VALLEY
27	8	6	1.9	37-48.2	121-56.9	4.1*	0.4	6	112	1.7	0.03	0.2	0.2	B	DIABLO

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 27	11	54	55.6	36-34.0	121- 5.3	13.3	0.4	7	106	6.2	0.05	0.7	1.6	B	SAN BENITO
27	13	28	14.7	36-35.2	121- 6.9	11.6	1.0	8	74	6.7	0.07	0.6	1.4	A	SAN BENITO
27	16	17	19.1	38-50.1	122-26.4	9.9	2.3	9	282	37.9	0.15	5.1	1.7	D	JERICHO VALLEY
27	17	53	18.4	36-31.8	121- 7.5	9.7	0.7	8	81	5.0	0.10	0.7	1.9	A	BICKMORE CANYON
27	18	3	58.4	37- 1.1	121-28.2	5.3	0.9	8	73	1.4	0.08	0.5	0.9	A	GILROY HOT SPRINGS
27	20	36	22.6	37- 9.0	121-32.9	6.9	0.6	8	120	6.8	0.05	0.4	1.1	B	MT SIZER
28	0	25	25.9	36-30.0	121- 7.1	3.6	0.4	7	149	4.1	0.09	0.8	1.1	B	SAN BENITO
28	1	12	5.0	36-40.9	121-19.8	3.1	0.8	6	118	3.4	0.04	0.4	0.4	B	PAICINES
28	2	16	54.5	36-29.9	121- 7.4	2.0	0.3	7	100	4.4	0.09	0.7	0.5	B	NE 1/4 GREENFIELD
28	3	15	17.5	36-57.0	121-39.6	10.9	0.6	8	102	2.1	0.07	0.7	1.4	B	WATSONVILLE EAST
28	4	29	11.9	36-32.4	121- 7.0	6.0	1.2	8	76	4.9	0.13	0.9	2.4	B	SAN BENITO
28	4	49	40.3	36-32.2	121- 6.8	6.8	0.4	8	79	4.5	0.10	0.8	1.8	A	SAN BENITO
28	5	27	4.1	37-50.5	121-58.7	3.5	1.2	8	91	6.5	0.11	0.6	0.5	B	DIABLO
28	9	9	58.8	36-57.8	121-40.1	11.1	1.1	12	61	2.6	0.07	0.4	0.7	A	WATSONVILLE EAST
28	9	53	46.1	36-56.9	121-40.1	11.0	0.9	14	73	2.5	0.07	0.4	0.6	A	WATSONVILLE EAST
28	10	0	7.1	36-57.0	121-39.9	11.0	0.8	10	105	2.7	0.04	0.3	0.6	B	WATSONVILLE EAST
28	11	43	47.1	36-48.6	121-23.3	6.4	1.0	15	45	5.3	0.13	0.5	1.8	A	HOLLISTER
28	11	57	7.8	36-31.1	121- 7.7	9.3	1.1	8	87	4.9	0.08	0.6	1.5	A	BICKMORE CANYON
28	13	5	50.7	36-56.8	121-40.1	11.4	1.3	17	78	2.5	0.08	0.3	0.6	A	WATSONVILLE EAST
28	13	38	33.6	37-50.4	121-43.7	5.6	1.6	6	174	7.3	0.37	4.5	2.3	C	BYRON HOT SPRINGS
28	15	36	36.6	36-34.7	121-12.6	5.0	1.5	12	66	1.9	0.07	0.3	0.6	A	BICKMORE CANYON
28	16	37	15.1	37-50.6	121-43.4	5.2	1.4	7	176	7.8	0.39	4.9	2.7	C	BYRON HOT SPRINGS
28	22	6	22.8	36-59.0	121-38.8	1.0	1.0	11	77	5.5	0.18	0.7	0.7	B	WATSONVILLE EAST
28	23	46	31.2	36-49.2	121-33.1	5.2	1.4	16	61	3.1	0.13	0.5	1.0	A	SAN JUAN BAUTISTA
29	1	41	6.0	36-34.8	121-11.8	1.8	1.6	9	69	0.9	0.09	0.5	0.4	A	BICKMORE CANYON
29	2	11	40.7	36-22.7	120-58.9	7.0	1.0	9	112	6.0	0.09	0.6	1.4	B	NW 1/4 HERNANDEZ VALLEY
29	3	30	27.0	36-26.9	121- 3.8	6.4	0.9	8	99	4.8	0.09	0.7	1.4	B	NE 1/4 GREENFIELD
29	3	34	35.8	36-26.8	121- 3.8	6.0	0.7	7	137	4.8	0.09	0.8	1.8	B	NE 1/4 GREENFIELD
29	5	5	52.6	37-53.7	121-39.1	0.3	2.6	24	106	16.2	0.21	0.7	0.8	C	BRENTWOOD
29	5	14	43.4	37-50.4	121-43.6	5.2	1.6	8	175	7.5	0.37	3.8	2.2	C	BYRON HOT SPRINGS
29	7	22	4.5	36-57.1	121-40.1	9.6	1.2	13	104	2.4	0.09	0.5	0.9	B	WATSONVILLE EAST
29	8	11	4.0	37-50.3	121-43.6	5.3	1.7	9	173	7.3	0.33	2.6	1.6	C	BYRON HOT SPRINGS
29	10	46	29.6	36-59.0	121-38.9	7.9	1.0	12	67	5.3	0.10	0.6	1.4	A	WATSONVILLE EAST
29	11	13	37.3	36-57.0	121-39.9	10.4	1.1	12	108	2.7	0.08	0.5	1.0	B	WATSONVILLE EAST
29	12	24	30.3	36-57.0	121-39.6	11.3	0.6	8	104	2.0	0.05	0.5	1.0	B	WATSONVILLE EAST
29	14	42	53.2	36-33.5	121-11.6	7.1	0.8	7	122	1.9	0.02	0.2	0.3	B	BICKMORE CANYON
29	15	9	4.8	36-33.4	121-50.6	7.5	1.6	14	190	8.2	0.10	0.7	1.0	C	SEASIDE
29	18	25	26.3	36-22.2	120-58.8	7.1	1.3	13	98	7.0	0.12	0.6	1.5	B	SW 1/4 HERNANDEZ VALLEY
29	23	0	25.5	38-31.4	122-15.0	10.0	1.6	7	217	20.9	0.16	2.6	10.9	D	CHILES VALLEY
30	0	15	15.1	37-23.2	121-44.3	5.4	0.4	6	117	3.5	0.12	1.2	1.1	B	MT DAY
30	1	9	1.3	36-31.1	121- 7.9	9.6	0.6	8	88	5.2	0.09	0.7	1.6	A	BICKMORE CANYON
30	1	31	15.0	36-57.1	121-40.0	10.3	1.1	11	102	2.5	0.06	0.4	0.7	B	WATSONVILLE EAST
30	2	21	51.2	36-30.9	121- 7.3	9.7	0.4	6	130	4.2	0.06	0.8	1.6	B	SAN BENITO
30	4	44	19.7	36-57.1	121-39.9	10.2	0.7	9	100	2.4	0.11	1.0	1.8	B	WATSONVILLE EAST
30	8	38	50.6	36-34.4	121-11.3	7.3	0.1	6	116	0.2	0.03	0.3	0.5	B	BICKMORE CANYON

CENTRAL CALIFORNIA EARTHQUAKES—SECOND QUARTER 1972 (CONTINUED)

1972	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	QUADRANGLE
JUN 30	10	18	14.0	37-44.2	121-48.4	10.2	1.6	13	133	2.6	0.12	0.7	0.9	B	LIVERMORE
30	11	8	55.9	36-37.8	121-15.9	4.9	0.5	7	104	9.0	0.06	0.5	1.7	B	PAICINES
30	11	26	27.6	36-57.1	121-39.9	10.5	1.1	12	101	2.6	0.06	0.4	0.7	B	WATSONVILLE EAST
30	12	40	39.5	36-57.9	121-39.7	9.7	1.2	10	106	3.3	0.05	0.4	0.7	B	WATSONVILLE EAST
30	13	4	3.2	36-58.3	121-39.6	8.1	0.6	8	113	3.7	0.09	0.9	1.5	B	WATSONVILLE EAST
30	16	0	17.6	36-27.8	121- 4.6	4.1	2.1	16	95	5.2	0.12	0.5	1.8	B	NE 1/4 GREENFIELD
30	16	2	22.2	36-58.1	121-39.0	5.4	1.7	17	70	4.3	0.09	0.3	0.9	A	WATSONVILLE EAST
30	16	43	18.6	37- 2.4	121-28.9	3.6	1.1	10	74	1.6	0.12	0.7	0.6	A	GILROY HOT SPRINGS
30	19	16	55.4	37-49.3	121-56.0	3.0	2.2	27	78	4.0	0.14	0.4	0.3	A	DIABLO
30	22	51	52.3	37-53.8	121-50.1	6.2	1.8	10	147	6.5	0.21	1.4	0.9	C	ANTIOCH SOUTH