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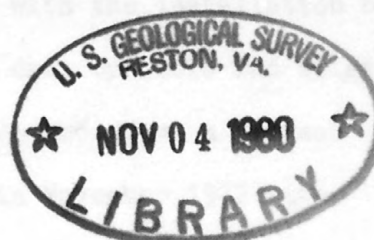
Catalog of Earthquakes in the Yellowstone

Park - Hebgen Lake Region

from November 1972 to December 1975

by

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

INTRODUCTION

The U.S. Geological Survey (USGS) began operating a network of seismograph stations in Yellowstone Park in 1964. The stations were self-contained and their locations were limited by the necessity for year-round access, 110-volt power, and a light-tight recording area. The network had a maximum of 5 permanent stations and was supplemented for 60 days in 1965 with up to 5 portable, battery-powered seismograph stations. Epicenters of earthquakes located with this network were published in Eaton et al. (1975).

This network was modernized in late 1972 with the installation of battery-powered seismograph stations sending data by radio and telephone line to Mammoth Hot Springs for centralized recording on a Geotech Develocorder. This network began operating in November 1972 with 6 stations in Yellowstone Park. Four stations covering the Hebgen Lake area and one additional Yellowstone station were added in January 1973. A station was located near the southeast end of Yellowstone Lake in July 1973. Four of the 12 stations were placed near thermal areas to look for any association between seismic activity and changes in thermal features. The remaining stations were positioned to study the tectonic processes active in the region. Helicorders were installed at the Old Faithful and Mammoth Hot Springs visitor centers for public information and to provide backup for the Develocorder. In October 1974, the network was enlarged, both by increasing the density of stations within Yellowstone and by extending the network beyond the Park to more clearly define the region

of teleseismic P-delays associated with the Yellowstone caldera (Iyer, 1975). In December, 1974, a magnetic tape-recorder was installed at Mammoth Hot Springs to record all of the data and 17 stations continued to be recorded on the Develocorder. The maximum number of stations included 26 vertical and 8 horizontal seismometers. The horizontals were deployed with a N-S orientation at 8 of the vertical stations. Station locations are shown in Figure 1. The seismograph system is described in detail in Lester et al. (1976). The permanent stations were supplemented with data from temporary stations operated by the USGS and the University of Utah within and outside of Yellowstone Park, and from permanent stations operated by the University of Montana in the Helena, Montana area, and by the Idaho National Engineering Laboratory (INEL) and Ricks College, Rexberg, Idaho, on the Eastern Snake River Plain. The supplemental data were in the form of original or reproduced seismograms, phase readings from personnel of the recording institutions, or phase readings from the Earthquake Data Report published by the National Earthquake Information Service (NEIS) of the USGS.

Epicenters located with the Yellowstone seismograph network have been published in Eaton et al. (1975), Pitt et al. (1979), Pitt (1979), and Smith and Christiansen (1980). Epicenters for events in this catalog are shown in Figure 2.

DATA PROCESSING AND ANALYSIS

Develocorder films, Helicorder records, and magnetic tapes, are mailed to the USGS in Menlo Park, California for analysis. Seismic activity is primarily monitored by scanning the films. During

Develocorder malfunctions, activity is monitored on Helicorder records and, after December 1974, on magnetic tape playbacks. Occasionally, power failures or instrument problems resulted in a total loss of locally recorded data. The approximate data loss was 61 hours during 1973, 66 hours during 1974, and 6 hours during 1975. During the total-data-loss periods, earthquakes down to approximately M 3.5 could still be located using regional stations and probably would be listed in the Preliminary Determination of Epicenters (PDE) published by the NEIS.

During the three years covered by this catalog, events were chosen for hypocenter determination for a variety of reasons. Little effort was made to maintain a uniform minimum magnitude cutoff. At times, relatively large earthquakes were not located because of interference from other events, missing or noisy stations, lack of film or magnetic tape data, or similarity to previously located events. In the preparation of this catalog, an effort was made to fill in any events \geq M 2 (determined from the signal duration time on the Develocorder film or Helicorder records) that had been passed over previously. This included events which could only be timed on the Helicorder records and supplemental stations. Events \geq M 2 which still have not been located are generally listed in a "remark" at the appropriate chronological place in the catalog. If unlocated events were listed in the PDE, the PDE location is given. During some episodes of particularly heavy activity, it was not possible to tabulate events down to M 2 and the remarks list only events of M 2+ or greater. The majority of these unlocated events occurred in the zones of persistent, heavy activity south and southeast of Norris Junction (Fig. 1) or were

aftershocks of the M 6 earthquake which occurred on June 30, 1975.

Earthquake swarms, which are common in the Yellowstone region, are also described with a remark giving the approximate number of events and the duration time of the swarm.

Hypocenters of earthquakes listed in the catalog have been determined with three different versions of the program HYP071 (Lee and Lahr, 1972) using one or more of the following velocity models where V is the P-wave velocity (km/sec) in a layer and D is the depth (km) to the top of the layer:

Model 1		Model 2		Model 3	
V	D	V	D	V	D
5.6	0.0	5.6	0.0	5.3	0.0
6.0	3.0	6.0	8.0	6.0	3.0
6.8	18.0	6.8	18.0	6.8	18.0
8.0	31.4	8.0	31.4	8.0	31.4

Earthquakes occurring in 1973 and 1974 were located with model 1.

Previously located earthquakes from January to July 19, 1975 were located using a combination of models 1 and 2 in a version of HYP071 which permits multiple velocity models. Stations using model 1 in the multiple model program are underlined in Figure 1. Events occurring during the remainder of 1975 and recently added events from January through July 19, 1975 were located using model 3 which is based on a refraction profile run in 1977. No station corrections were used. The data were not all rerun with a uniform model for this catalog because the previously determined epicenters were used in Pitt (1979) and Pitt et al. (1979).

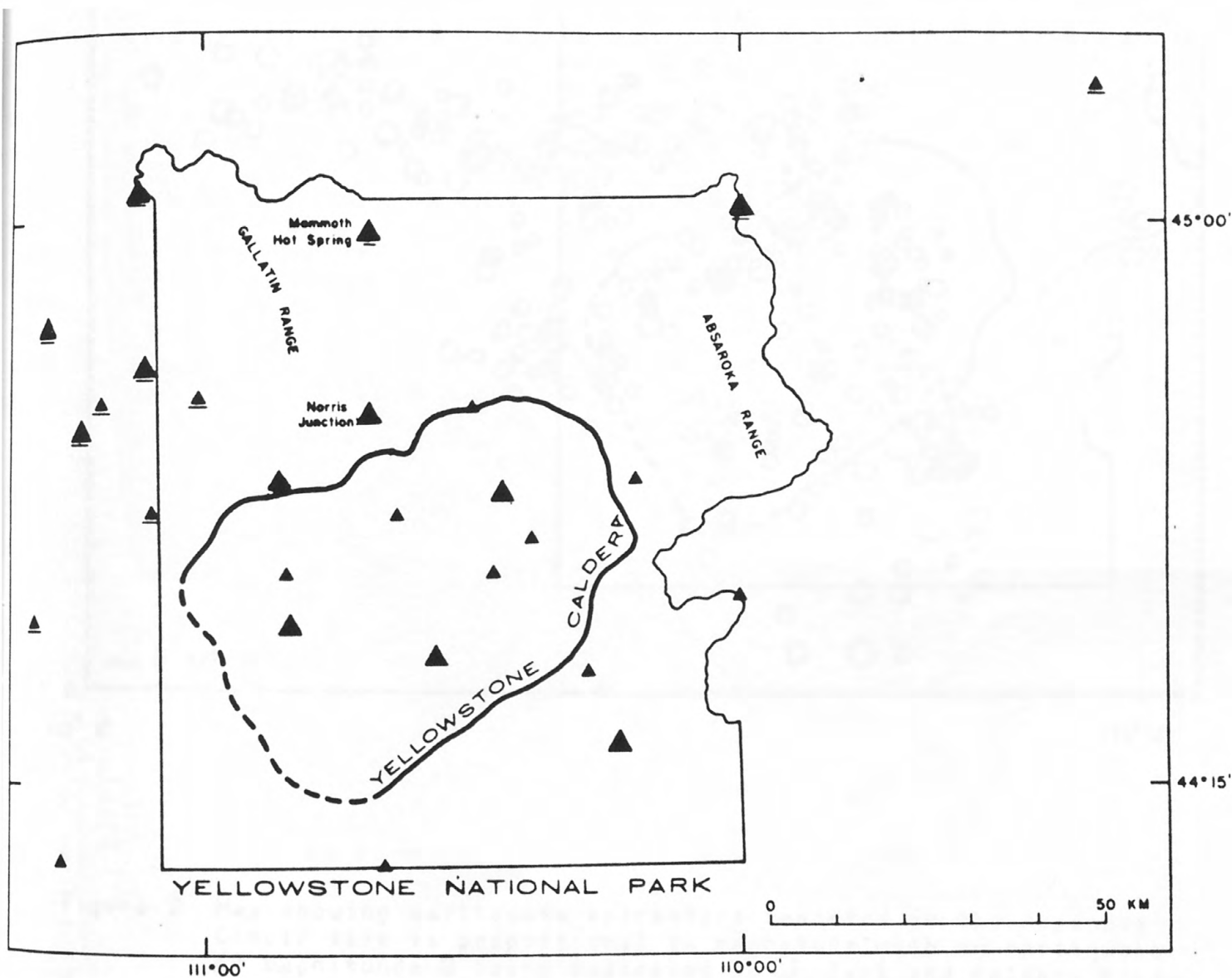


Fig. 1. Map showing the permanent stations of the Yellowstone seismograph network. Stations installed in 1972 and 1973 are marked by large triangles; those installed in late 1974 are marked by small triangles. Underlining is explained in text.

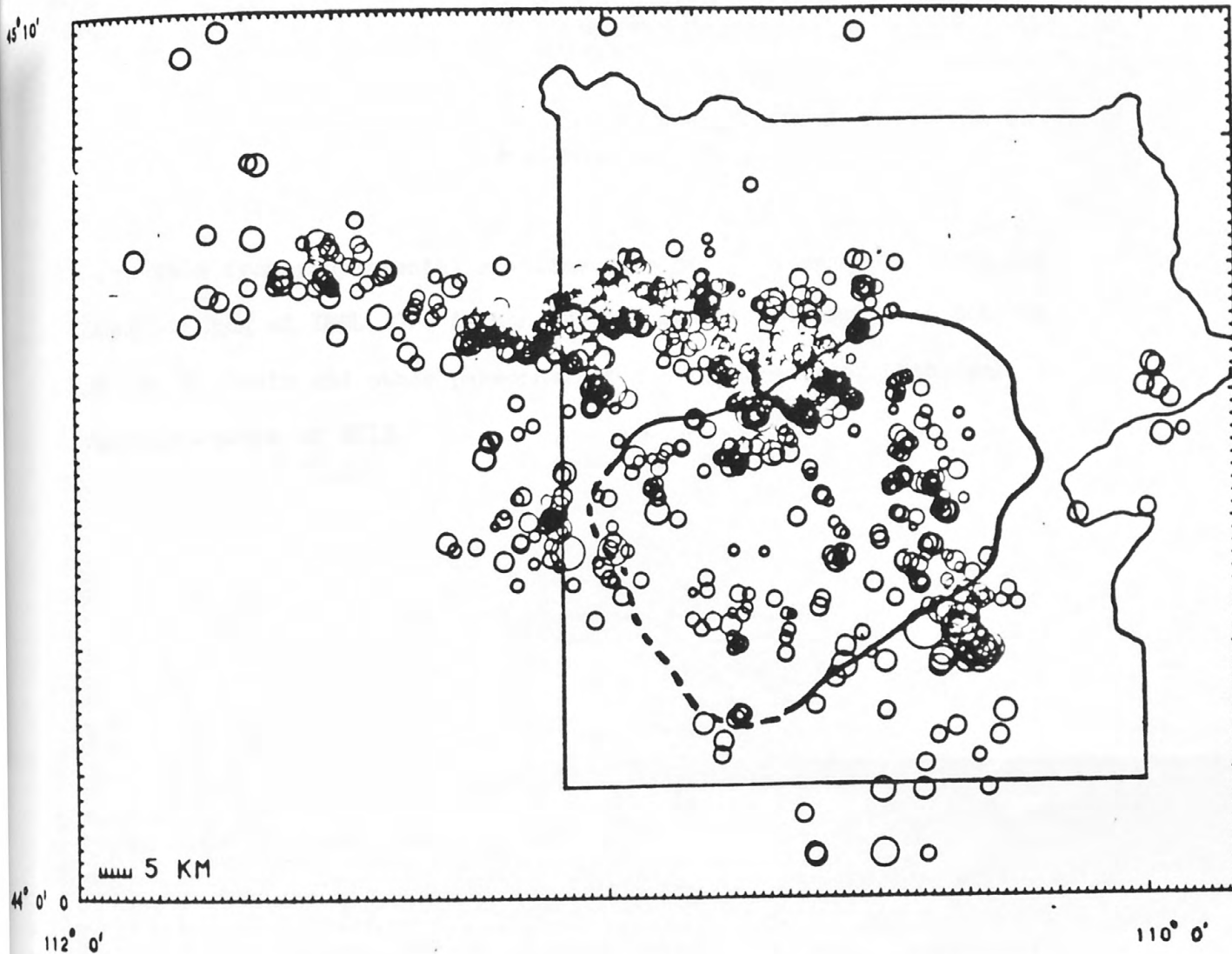


Figure 2. Map showing earthquake epicenters reported in the Appendix. Circle size is proportional to magnitude with an earthquake of magnitude 3 being indicated by \bigcirc . Park and caldera boundaries are the same as in Figure 1.

Acknowledgements

Data from supplemental stations were provided by Adrian Dahl and John J. King of INEL, Dr. Anthony Quamar of the University of Montana, Dr. R. B. Smith and other personnel of the University of Utah, and Waverly Person of NEIS.

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APPENDIX: CATALOG OF EARTHQUAKES November 1972-1975

Earthquakes in the Yellowstone-Hebgen Lake region are listed chronologically in this APPENDIX.

The following data are given for each event:

1. Origin time in Coordinated Universal Time (UTC): DATE, hour (HR), minute (MN), and second (SEC).
2. Epicenter in degrees and minutes of north latitude (LAT N) and west longitude (LONG W).
3. DEPTH, depth of focus in kilometers.
4. MAG, local magnitude of the earthquake.
5. NO, number of P- and S-arrivals used in locating earthquake. If S-arrivals are used in the location, the number is followed by the letter s.
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 and, for part of the catalog, the source of the arrival times.

<u>Q</u>	<u>Epicenter</u>	<u>Focal Depth</u>
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

	<u>NO</u>	<u>GAP</u>	<u>DMIN</u>
A	≥ 6	≤ 90	$\leq \text{DEPTH or } 5 \text{ km}$
B	≥ 6	≤ 135	$\leq 2 \times \text{DEPTH or } 10 \text{ km}$
C	≥ 6	≤ 180	$\leq 50 \text{ km}$
D	Others		

Statistical Measures

	<u>RMS(SEC)</u>	<u>ERH (km)</u>	<u>ERZ (km)</u>
A	< 0.15	< 1.0	< 2.0
B	< 0.30	< 2.5	< 5.0
C	< 0.50	< 5.0	
D	Others		

The version of HYP071 used to originally locate events in 1973 and the first 3 quarters of 1974 lists both quality letters with the "statistical measures" first. For more recently run events Q is taken as the average of the ratings from the two schemes, i.e., and 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., and A and a B yield a B. For events with a single quality letter, the last entry is a number indicating the source of the data used for the hypocenter determination. The numbers indicate:

- 0- data from Helicorder and supplemental stations only
- 1- data from film only
- 2- data from film and later magnetic-tape playback
- 3- data from magnetic-tape playback only

- 4- 1, 2, or 3 with additional data from supplemental stations
- 5- special event used for travel-time studies and crustal model development; usually large, well recorded, and with good supplemental station data

In addition to the HYP071 solutions, PDE locations and remarks regarding unlocated events, swarms, and instrument problems are included chronologically. Unless otherwise specified, PDE magnitudes are M_S . The following film duration times (amplitude cutoff of 0.5 cm) are used in estimating the magnitudes of unlocated events:

M2	30 seconds
M2+	30-50 seconds
M2.5	50-70 seconds

The catalog is also available (at a modest cost) without the supplemental information on magnetic tape from:

Will Reinhart
Environmental Data Service NOAA
3100 Marine
Boulder, CO 80302

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	
721108	954	29.38	44-35.06	110-41.68	5.00	2.92	6	80	14.8	.11	1.0	9.3	CC	
largest of approximately 75 events in 2 hours														
no other events locatable														
721130	1319	49.70	44-12.40	110-47.26	5.00	2.32	3	314	27.6	0.30			D1	
730104	133	7.58	44-56.11	110-43.74	14.71	1.63	4	161	5.8	0.04			C1	
730105	1743	9.20	44-34.91	110-47.07	0.91	1.79	4	176	9.5	0.00			C1	
730106	1333	6.38	44-49.94	110-27.91	9.15	1.88	5	173	23.7	0.03	0.6	3.0	C1	
730107	210	33.33	44-29.53	111-12.35	5.00	1.04	6	268	29.3	.12	3.3	28.2	CD	
730107	655	53.86	44-49.81	111-35.59	11.77	2.10	5	294	38.7	.00	.7	.7	AD	
730108	12	9	58.80	44-46.36	110-49.50	.15	.84	5	88	11.4	.15	.0	.1	AD
730109	1442	59.71	44-47.96	110-46.89	.11	2.09	5	117	10.4	.12	1.4	5.2	CD	
730111	959	33.15	44-40.05	110-25.11	3.37	1.90	5	232	5.3	.12	1.0	1.8	BD	
730112	646	30.48	44-49.15	111-35.58	7.78	2.55	7	294	22.2	.03	2.3	1.7	BD	
730113	221	38.55	44-42.85	111- 4.23	8.53	1.35	8	120	9.5	.09	.7	1.6	AB	
730113	3	5	30.97	44-43.04	111- 4.25	8.99	1.82	8	118	9.2	.12	.9	2.1	BB
largest of approximately 20 events in 2 hours														
730113	1842	16.62	44-46.46	110-49.27	1.70	1.38	5	109	11.3	.06	1.2	3.0	BD	
730114	341	56.46	44-46.22	111-21.35	13.61	1.93	7	248	9.6	.08	2.0	2.0	BD	
730114	1613	44.58	44-42.48	111- 2.73	10.21	2.33	8	120	10.9	.09	.8	1.8	AB	
730114	19	1	19.63	44-42.50	111- 2.71	10.11	2.16	8	120	10.9	.09	.8	1.8	AB
730115	410	7.64	44-43.15	111- 8.53	10.78	1.54	8	121	7.8	.10	.8	1.5	AB	
730115	441	8.59	44-42.47	111- 2.96	10.10	2.83	8	121	10.8	.08	.7	1.6	AB	
PDE 44.6 111.3 M?														
largest of approximately 15 events in 25 hours														
2 similar M2+ events occurred while the Develocorder was off														
730115	21	5	7.57	44-38.49	111- 4.13	5.00	1.50	7	181	16.7	.08	.8	4.8	BD
730116	1	9	53.20	44-45.95	111- 2.77	6.85	1.93	7	139	5.8	.04	.4	.8	AC
730119	1513	48.07	44-32.63	110-29.00	5.00	1.14	3	185	9.3	.02			AD	
730120	451	3.68	44-42.51	111- 3.12	8.81	2.63	7	121	10.7	.11	.9	2.4	BB	
730123	417	33.62	44-42.04	109-59.61	15.51	2.54	5	264	33.6	0.07	3.8	6.0	D1	
730125	1139	35.38	44-45.56	111-11.47	10.35	1.37	7	102	6.7	.11	1.2	1.9	BB	
730125	15	1	40.18	44-47.59	110-44.87	5.00	.80	3	165	8.2	.00		AD	
730125	17	1	58.85	44-51.86	110-48.61	5.00	1.29	7	110	15.9	.08	.7	7.6	CC
730129	1620	58.92	44-46.60	110-49.57	1.54	1.57	8	74	11.7	.05	.4	1.0	AC	
730130	2	9	2.54	45- 6.56	111-46.78	4.02	2.42	9	323	46.4	0.12	2.1	24.5	CD
730130	22	3	5.50	44-38.21	110-24.61	.05	1.59	5	267	3.0	.03	.4	.3	AD
730131	014	30.97	44-43.96	110-41.18	5.00	1.67	3	235	.6	.01			AD	
730131	239	11.56	44-46.20	110-48.28	3.80	.96	5	122	9.9	.06	1.4	7.3	CD	
730131	337	21.24	44-48.71	110-38.52	1.24	2.29	8	134	9.9	.12	.9	1.5	AB	
largest of approximately 25 events in 1 hour														
730131	1710	1.19	44-46.76	110-50.25	.14	2.17	8	71	12.7	.12	.8	2.4	BC	
730202	1850	35.96	44-26.47	110-26.43	.78	1.84	8	224	10.8	.42	5.9	5.7	DD	
730202	1855	17.85	44-26.23	110-25.45	.40	2.03	10	262	12.0	.30	3.2	3.2	CD	
largest of approximately 200 events in 2 hours														
730202	1858	57.34	44-28.65	110-29.96	.78	2.09	6	184	9.0	.10	1.0	4.7	BD	
730202	1859	24.58	44-28.19	110-29.80	.49	2.04	11	190	8.5	.22	1.1	2.5	BD	
730203	1024	7.81	44-44.84	111-10.13	5.00	1.65	7	119	7.0	.13	1.0	2.4	BB	
730203	2128	37.46	44-44.56	111-10.53	6.83	1.86	8	94	6.3	.12	1.0	1.9	AB	
730203	23	9	6.57	44-44.64	111-10.30	6.23	1.31	8	94	6.6	.12	.9	1.9	AB
730205	1045	16.69	44-46.69	110-49.54	.58	1.14	5	112	11.8	.06	.1	.5	AD	
730205	1156	40.08	44-34.81	110-56.89	8.41	2.7	10	153	10.4	.17	1.2	3.2	BC	
largest of approximately 50 events in 2 hours														
730205	1216	41.80	44-34.55	110-56.40	9.82	1.35	8	152	10.3	.11	1.0	2.4	BC	
730208	716	33.57	44-46.71	110-49.66	1.40	2.34	10	67	11.9	.06	.3	.7	AC	
730214	337	27.62	44-44.82	111- 6.99	10.02	2.45	7	101	5.5	.08	.7	1.3	AB	
730214	412	54.76	44-44.85	111- 7.04	9.75	2.58	7	100	5.5	.10	.9	1.7	AB	
730214	610	9.62	44-44.79	111- 6.83	9.74	2.20	7	101	5.5	.07	.7	1.2	AB	
730214	611	42.20	44-44.75	111- 6.79	9.54	3.01	7	102	5.6	.05	.5	.9	AB	
PDE 44.6 111.6 M?														
largest of approximately 375 events in 24 hours														
730214	1559	31.12	44-30.03	111-11.43	3.21	2.09	7	245	23.5	0.09	1.7	130.2	D1	
730218	2137	25.38	44-44.93	111-11.44	7.77	2.09	6	109	5.8	.14	1.7	3.0	BB	
730218	2216	4.33	44-44.22	111-11.55	8.03	2.11	6	92	4.8	.08	.9	1.6	AB	
730218	2217	51.28	44-44.58	111-11.55	7.11	2.29	6	113	5.3	.09	1.1	1.9	BB	
largest of approximately 40 events in 12 hours														
730219	335	25.43	44-26.73	111-11.41	.22	2.35	6	259	27.8	.04	1.5	1.0	BD	
730219	21	0	8.24	44-43.54	111- 7.28	8.43	1.95	7	115	7.9	.09	.8	1.7	AB
730222 1317 PDE 45.1 113.3 M? -bad location; event is in Yellowstone region														
730222	1432	17.67	44-45.08	111- 3.91	4.87	1.27	6	126	6.0	.12	1.3	2.6	BB	
first located of over 50 events in 24 hours; 2 M2+ events (including 1317) occurred earlier while the Develocorder was off														
730222	1844	17.87	44-44.88	111- 3.74	5.26	1.17	7	101	6.4	.09	.8	1.7	AB	

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
730222	1938	54.46	44-45.04	111- 3.94	4.62	1.45	7	100	6.0	.12	1.0	2.5	BB
730222	2016	58.33	44-44.70	111- 3.85	4.28	1.60	7	103	6.6	.13	1.0	3.2	BB
730223	015	4.94	44-48.17	110-47.28	1.86	2.09	7	163	18.1	.06	.7	1.3	AC
730223	255	5.12	44-44.65	111- 3.64	4.49	1.63	7	103	6.8	.10	.9	2.5	BB
730223	9 2	23.67	44-45.00	111- 4.44	4.89	1.74	7	100	5.7	.11	.9	2.2	BB
730223	1111	7.51	44-44.87	111- 4.36	4.65	2.15	7	101	6.0	.10	.8	2.1	BB
1 similar M2+ event on 2-24 not located													
730224	1810	1.40	44-38.03	110-39.18	8.92	1.82	8	115	16.8	0.09	1.0	4.6	B1
730301	6 0	19.89	44-40.12	110-59.56	5.00	4.05	3	246	16.8	0.40			D0
PDE 44.8 111.1 M4.3													
event occurred while the Develocorder was off and was followed by 50 events in 32 hours													
730310	2053	54.81	44-46.65	110-49.26	1.41	1.99	8	66	11.4	.06	.4	.9	AC
730311	813	47.32	44-46.60	110-49.21	1.52	1.51	9	66	11.3	.08	.4	.9	AC
730311	1722	47.91	44-46.58	111- 1.92	7.25	2.12	7	89	6.3	.05	.4	1.0	AA
730313	9 7	12.77	44-44.38	111-12.31	8.56	1.97	7	106	4.3	.11	1.1	1.8	BB
730314	553	6.38	44-51.46	111-30.60	13.57	2.10	9	288	15.3	0.08	1.2	1.5	C1
730314	1851	18.51	44-52.57	111-43.90	8.90	2.29	7	307	32.9	0.09	2.1	7.4	D1
730315	1152	13.98	44-46.61	111-13.57	11.83	1.73	7	132	7.6	0.10	1.2	1.9	B1
730317	2 7	28.94	44-45.93	111-21.21	9.71	1.36	6	247	10.1	0.12	3.4	3.0	D1
730317	6 7	17.19	44-45.78	111- 6.98	6.13	2.18	7	91	3.8	.10	.7	1.3	AB
730324-Swarm in South Arm of Yellowstone Lake begins. Develocorder was off until 3-28. From 3-24 to 3-31, approximately 120 events were recorded on the Helicorder record for a station 75 km from the activity and over 1000 events were recorded at the closest station while the Develocorder was on.													
730324	2320	PDE	44.0	110.2	M?								
730325	0956	PDE	44.1	110.2	M?								
730325	1633	PDE	44.5	110.5	M3.4								
730326	0409	PDE	44.4	110.4	M?								
730327	1003	PDE	44.4	110.4	M?								
730327	1231	PDE	44.4	110.4	M?								
730327	1243	PDE	44.4	110.5	M?								
730327	19 2	11.35	44-19.55	110-17.60	0.54	3.35	7	211	24.2	0.13	0.7	0.9	C4
PDE 44.4 110.5 M?													
730328	239	57.78	44-21.17	110-21.10	4.50	4.31	15	144	18.8	0.26	3.1	5.1	C4
PDE 44.4 110.4 M5.0													
730328	3 2	28.84	44-21.01	110-20.75	4.27	3.84	15	144	19.3	0.26	3.0	5.0	C4
PDE 44.4 110.4 M4.5													
730328	331	31.43	44-20.32	110-19.21	0.24	2.86	14	209	21.7	0.25	2.5	3.5	C4
730328	424	46.21	44-19.94	110-18.01	1.86	3.45	9	210	23.4	0.14	2.9	7.4	D4
730328	10 7	1.15	44-19.90	110-18.70	3.74	3.49	15	210	22.6	0.27	4.1	6.3	D4
PDE 44.4 110.5 M4.0													
730328	1538	41.85	44-21.61	110-21.83	5.00	2.75	5	239	17.6	0.12	12.5	13.1	D4
PDE 44.2 110.4 M?													
730329 1040 PDE 44.1 110.2 M?													
730330	010	39.55	44-21.91	110-20.38	7.47	3.63	11	144	19.2	0.23	2.9	3.4	C4
PDE 44.3 110.4 M?													
730330	032	56.06	44-20.70	110-20.41	0.80	4.61	15	145	20.0	0.26	2.1	3.5	C4
PDE 44.4 110.4 M4.6													
730330	132	13.55	44-21.92	110-20.61	5.00	3.88	14	144	18.9	0.29	3.3	5.2	C4
PDE 44.4 110.4 M3.7													
730330	155	15.69	44-22.59	110-22.96	7.96	3.44	13	202	15.6	0.28	3.0	3.2	D4
PDE 44.6 110.6 M?													
730330	213	26.31	44-20.53	110-19.39	0.41	3.57	8	146	21.3	0.23	2.7	4.2	C4
PDE 44.6 110.6 M?													
730330	659	14.99	44-19.09	110-17.99	0.18	3.13	13	148	24.1	0.24	2.2	3.3	C4
PDE 44.4 110.4 M?													
730330	826	31.85	44-21.31	110-20.73	2.39	3.78	12	206	19.1	0.17	2.6	7.3	D4
730330	1436	24.02	44-22.31	110-22.10	3.46	3.44	9	142	16.8	0.28	4.0	6.7	C4
PDE 44.1 110.3 M?													
730330	16 8	33.28	44-45.32	111- 6.17	9.07	2.41	7	123	4.5	.07	.7	1.2	AB
730330	1631	19.04	44-45.25	111- 6.11	9.34	2.76	7	124	4.7	.08	.7	1.3	AB
largest of approximately 600 events in 48 hours													
730330	1847	20.38	44-45.29	111- 6.01	8.97	2.54	8	97	4.6	.09	.7	1.3	AB
730330	19 4	26.42	44-45.26	111- 6.42	9.34	2.55	7	124	4.6	.06	.6	1.0	AB
730330	19 5	29.82	44-45.43	111- 5.96	8.53	2.71	7	122	4.4	.08	.7	1.3	AB
730330	2018	57.63	44-19.02	110-18.78	0.30	4.04	14	147	23.2	0.25	2.3	3.4	C4
PDE 44.4 110.5 M?													
730330	2259	52.38	44-45.29	111- 6.49	9.10	1.91	8	96	4.6	.10	.7	1.4	AB
730331	355	19.38	44-45.27	111- 5.66	8.62	2.09	7	124	4.7	.08	.7	1.3	AB

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DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
730331	1613	13.41	44-19.34	110-19.07	1.80	2.99	9	147	22.6	0.25	5.3	15.4	D4
PDE 44.4 110.6 M?													
730331	1713	49.84	44-45.15	110-57.86	10.97	1.55	7	114	12.2	0.05	0.5	1.6	B1
730331	2033	31.88	44-21.11	110-24.96	0.72	4.70	6	212	73.8	0.15	3.2	6.2	D0
PDE 44.5 110.5 M5.1													
730401	944	6.37	44-19.47	110-18.28	0.28	3.31	11	148	23.5	0.15	1.4	2.0	C4
PDE 44.4 110.4 M?													
730401	107	27.00	44-45.26	111- 4.15	4.75	1.55	7	98	5.5	.12	.9	2.3	BB
730401	129	39.17	44-45.16	111-15.35	11.20	2.52	8	172	5.0	.11	1.4	1.9	BC
730401	141	52.50	44-38.70	111- 1.74	7.98	2.04	8	148	13.5	.10	.7	2.6	BC
730401	1527	53.74	44-39.05	111- 1.62	8.23	2.34	7	200	13.4	.10	1.6	3.5	BD
730402	639	43.64	44-43.69	111- 1.94	3.84	1.43	8	109	9.6	.11	.8	4.9	BB
730402	1857	41.73	44-19.66	110-19.87	0.26	3.32	6	208	21.4	0.11	1.1	1.4	C4
PDE 44.4 110.4 M?													
730402	1948	38.31	44-19.17	110-19.14	0.58	3.02	6	210	22.7	0.15	1.5	1.9	C4
PDE 44.4 110.4 M?													
730403	922	45.11	44-43.49	111- 8.59	9.80	1.47	7	116	7.8	.10	.9	1.7	AB
730404	1414	19.48	44-48.16	110-47.70	1.22	1.65	9	69	11.4	.11	.6	1.3	AC
730404	1514	29.00	44-21.58	110-21.47	6.80	3.00	11	205	18.0	0.22	3.0	3.6	D4
PDE 44.6 110.6 M?													
730404	1810	22.78	44-39.00	111- 1.50	7.93	2.61	8	145	13.2	.10	.7	2.5	BC
730405	1630	23.82	44-21.40	110-20.99	5.19	3.06	13	205	18.8	0.25	3.4	4.8	D4
PDE 44.4 110.5 M?													
730406	2346	8.48	44-45.13	110-30.99	5.15	3.56	14	101	14.2	0.10	0.4	1.0	B4
PDE 44.7 110.6 M?													
730407	1250	22.32	44-38.75	111- 1.53	9.92	2.16	8	147	13.2	.09	.8	2.2	BC
730407	1916	49.53	44-20.66	110-19.44	4.55	2.88	9	208	21.2	0.16	3.2	4.4	D4
PDE 44.1 110.2 M?													
730408	238	10.09	44-45.11	110-31.32	.68	1.22	4	190	13.8	.02			AD
730408	1314	28.90	44-38.68	111- 1.71	8.40	1.92	8	148	13.5	.10	.8	2.5	BC
730408	1439	57.37	44-48.74	110-54.36	2.80	.72	7	126	16.0	.03	.2	45.6	CC
730408	1553	52.64	44-38.74	111- 1.60	8.33	1.73	8	147	13.3	.09	.7	2.2	BC
730409	05	50.01	44-26.34	111- 5.29	15.09	1.39	7	253	19.7	.03	.4	.4	AD
730409	1030	59.60	44- 8.45	110-29.61	13.20	2.98	15	137	31.0	0.21	1.7	1.2	C4
PDE 44.1 110.5 M3.6													
730409	151	42.31	44-38.74	111- 1.46	7.98	1.83	8	147	13.2	.09	.7	2.4	BC
730410	753	28.34	44-49.10	110-59.44	5.44	2.41	8	77	9.5	.06	.4	1.9	AB
730412	315	6.39	44-22.99	110-20.39	7.67	3.56	15	144	18.7	0.27	2.5	3.5	C4
PDE 44.4 110.5 M?													
730412	319	58.36	44-22.71	110-20.11	3.88	2.81	14	144	19.2	0.28	3.3	6.8	C4
PDE 44.4 110.5 M?													
730412	324	13.61	44-22.95	110-20.65	7.86	3.69	15	143	18.4	0.28	2.5	3.5	C4
PDE 44.4 110.5 M4.2													
730412	757	9.23	44-30.42	111-11.31	5.00	1.11	7	243	22.9	.08	1.6	12.1	CD
730416	189	57.00	44-46.74	110-43.04	.60	1.70	7	154	5.7	.10	.8	1.7	AC
730416	1821	7.39	44-46.60	110-42.83	1.24	1.43	8	157	5.4	.09	.9	1.8	AC
730419	2144	54.50	44-50.87	111-31.63	5.00	2.30	8	294	16.7	.08	1.1	4.3	BD
730420	1834	25.08	44-45.82	110-47.12	.94	1.71	7	98	8.2	.08	.6	1.6	AB
730421 0726 PDE 44.5 110.1 M4.4													
730421 0745 PDE 44.4 110.5 M?													
730421 0800 PDE 44.4 110.4 M3.6													
730421	1446	2.67	44-14.63	110-16.03	3.61	2.72	5	282	30.8	0.23	5.1	31.2	D1
Largest located of over 100 events in 12 hours. Largest events occurred while the Develocorder and Helicorder were off.													
730422	859	19.44	44-48.56	111-35.56	7.63	2.27	9	305	22.4	.06	1.2	2.7	BD
730423	1920	8.23	44-49.14	110-59.41	5.01	1.55	7	87	9.5	.05	.4	2.0	AB
730424	417	2.19	44-49.19	110-59.61	5.18	1.86	7	96	9.3	.05	.4	1.6	AB
730425	1021	46.39	44-50.80	110-48.36	5.15	1.17	4	157	17.3	0.03			C1
730427	450	47.94	44-44.82	111-11.49	9.20	1.47	8	97	5.6	.12	1.1	1.8	BB
730428	249	36.52	44-46.62	110-48.83	2.41	.92	7	103	10.9	.03	.3	.6	AC
730429	211	57.06	44-48.08	111- 2.32	7.70	2.31	8	79	5.4	.02	.2	.4	AA
730429	83	53.86	44-23.81	110-20.79	0.09	1.98	13	253	18.0	0.24	1.7	1.8	BD
730429	939	51.33	44-22.99	110-24.46	0.27	1.85	13	257	13.5	0.34	3.0	2.7	CD
730502	029	35.73	44-34.28	110-45.00	2.03	1.46	6	151	12.1	.07	1.0	1.5	AC
730502	329	19.12	44-33.91	110-45.38	.17	1.53	8	154	12.3	.12	1.0	2.2	BC
730504	1858	49.34	44-34.83	111-13.48	9.40	2.61	8	232	14.4	.09	1.5	2.7	BD
730506	58	5.15	44-45.05	111- 6.99	7.36	2.36	5	191	5.1	.11	2.2	2.8	BD
largest of approximately 80 events in 24 hours													
730507	2349	59.55	44-46.18	111- 3.79	6.67	2.00	5	192	4.5	.07	1.5	1.8	BD
730515	643	42.76	44-35.77	110-26.28	.26	1.70	10	169	2.9	.23	.4	.7	BC
730515	1438	58.64	44-36.85	110-40.38	3.25	1.36	6	165	13.0	.06	.8	14.9	CC

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DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
730518	19 1	3.04	44-31.47	111- 6.60	15.32	1.51	6	223	22.8	.06	1.6	4.5	BD
730524	1945	3.07	44-48.00	110-30.00	.58	1.79	9	106	17.1	.10	.6	1.2	AC
730527	627	24.96	44-37.45	110-25.04	.30	1.96	10	169	1.9	.18	1.1	1.8	BC
730527	848	34.88	44-45.18	111- 9.97	6.28	1.19	6	88	6.7	.13	1.3	2.5	BB
730528	218	22.48	44-31.84	111- 9.28	9.06	2.19	8	231	21.0	.10	1.3	4.1	BD
730529	1354	44.65	44-49.10	111-24.84	9.16	1.97	11	s273	8.6	.13	1.1	1.5	BD
730530	944	22.24	44-48.12	110-46.08	.50	1.11	7	125	9.9	.10	.7	2.0	BB
730604	1039	4.96	44-45.87	110-55.96	5.00	1.74	7	116	14.2	.07	.5	3.1	BC
730605	444	17.49	44-19.08	110-20.21	5.00	2.31	11	s270	21.5	.53	4.8	32.1	DD
730605	1043	53.76	44-25.34	110-59.76	.23	1.91	6	257	12.8	.10	7.8	8.7	DD
730607	21 6	17.11	44-45.17	111- 5.18	6.02	2.05	6	192	5.1	.05	.7	1.0	AD
730608	1135	46.46	44-41.38	111- 1.01	5.00	1.00	5	177	13.4	.04	.6	2.6	BD
730609	1237	26.28	44-49.27	110-59.49	5.00	3.03	7	89	9.5	.06	.6	2.8	BB
PDE 45.0 111.1 M?													
730609	1318	49.80	44-49.19	110-59.48	5.00	2.14	6	90	9.5	.05	.6	2.9	BB
730609	1627	38.89	44-49.08	110-59.85	5.00	1.58	6	91	9.0	.04	.4	1.7	AB
730609	2038	41.34	44-49.12	110-59.55	5.00	1.74	6	91	9.4	.03	.4	1.9	AB
730610	1727	20.52	44-46.49	110-48.92	1.29	1.38	6	93	10.9	.02	.2	.4	AC
730611	2014	57.30	44-49.44	110-59.10	2.36	2.57	5	139	10.1	.01	.02	.5	C1
730613	1654	47.45	44-49.11	110-59.41	4.32	2.10	6	91	9.5	.07	.8	4.6	BB
730615	316	41.79	44-36.13	111-12.88	14.47	2.43	6	250	23.2	.06	1.5	2.5	C1
730616	447	40.37	44-33.88	110-37.54	2.78	1.84	9	80	12.8	.06	.3	.8	AC
730617	917	25.10	44-45.42	110-59.08	.07	3.71	5	180	10.6	.16	47.5	238.7	D0
PDE 44.7 111.0 M?													
730618	1839	46.54	44-45.45	110-56.74	7.28	2.47	6	122	13.4	.06	.5	2.1	BB
730618	1933	10.30	44-45.69	110-57.34	7.51	3.50	8	123	12.5	.11	.8	2.8	BB
largest of approximately 80 events in 72 hours													
4 similar M2+ events occurred on 6-18 while the Develocorder was off													
730619	124	46.44	44-45.25	110-56.67	5.00	1.97	6	124	13.6	.06	.6	3.6	BC
730619	723	1.84	44-45.50	110-56.89	7.53	2.13	6	123	13.2	.05	.5	1.8	AB
730619	1155	12.42	44-44.99	110-55.66	7.12	1.81	7	91	12.5	.07	.5	2.2	BB
730619	1340	46.64	44-45.03	110-56.16	5.00	2.33	7	92	12.9	.06	.5	2.7	BC
730620	624	20.78	44-45.57	110-57.08	7.85	2.08	6	123	12.9	.06	.5	1.7	AB
730620	735	27.26	44-21.87	110-20.75	3.84	2.06	12	165	18.4	.09	2.8	6.3	C4
730620	1058	21.70	44-20.95	110-21.62	2.28	1.78	12	s227	18.3	.25	2.7	6.8	CD
730620	1142	58.60	44-24.97	110-22.43	5.00	1.64	10	s197	14.0	.18	1.8	5.	CD
730622	410	16.67	44-45.61	110-57.35	8.23	2.56	6	123	12.6	.05	.5	1.7	AB
730622	1631	16.75	44-45.69	110-57.27	7.95	2.77	7	90	12.6	.04	.3	1.3	AB
730625	737	35.01	44-41.14	110-26.66	3.27	1.17	7	209	7.0	.20	2.1	10.4	CD
730626	511	25.65	44-36.02	111-13.15	14.71	1.63	5	251	23.5	.01	.06	.8	C1
730626	1235	33.58	44-45.60	111- 1.44	8.75	2.31	6	95	7.7	.04	.4	1.0	AB
730626	1317	52.17	44-45.75	111- 1.75	7.67	2.51	6	94	7.2	.03	.4	.9	AB
largest of approximately 100 events in 48 hours													
3 similar M2+ events not located													
730626	1652	.025	44-45.49	111- 1.70	8.38	2.89	5	148	7.5	.05	1.0	1.9	C1
730627	1 7	39.09	44-45.57	111- 1.58	8.07	2.55	5	146	7.5	.06	1.2	2.2	C1
730627	322	22.28	44-45.53	111- 1.27	8.55	2.85	5	144	7.9	.04	.8	1.6	C1
PDE 44.6 111.2 M?													
730627	410	48.71	44-45.69	111- 1.71	8.17	2.48	5	145	7.3	.04	.8	1.4	C1
730627	14 0	53.08	44-45.64	111- 1.48	8.53	2.79	5	144	7.6	.04	.8	1.5	C1
730628	822	33.42	44-49.09	111-35.93	2.31	2.72	7	s294	39.0	.15	4.6	11.2	D1
730629	1219	27.51	44-45.59	111- 1.62	8.49	2.71	5	146	7.5	.02	.5	.9	C1
730705	1520	56.69	44-12.74	110-23.42	4.01	1.96	9	s287	26.7	.23	2.6	25.9	CD
730710	12 0	27.79	44-41.83	109-59.11	13.91	2.38	8	s249	34.0	.10	1.2	1.7	BD
730715	2034	54.99	44-13.45	110-21.40	5.00	2.25	9	s285	27.2	.18	3.7	8.	CD
730721	0 9	2.99	44-44.76	111-13.64	11.02	2.03	8	136	4.2	.10	1.1	1.5	C1
730721	10 6	24.27	44- 3.28	110-24.65	12.81	1.86	10	208	30.4	.20	2.0	1.5	C4
730722	2028	4.75	44-24.31	110-20.34	2.24	1.91	4	128	14.8	.09	.7	.7	AD
730724	1958	42.94	44-20.53	110-40.27	.12	1.57	7	s214	11.3	.39	2.3	5.7	CD
730724	2015	57.02	44-21.16	110-39.98	.20	1.66	11	s208	10.2	.53	2.0	3.9	DD
730801	2334	40.29	44-45.70	111- 8.33	8.76	1.66	8	89	4.6	.10	.7	1.3	A1
730805	633	48.61	44-36.15	110-58.68	5.00	1.56	7	153	19.9	.13	1.3	15.8	CC
730805	2152	40.04	44-58.03	111-38.33	.11	2.61	4	308	28.5	.05	.4	.4	C4
730806	626	14.85	44-45.12	110-30.86	6.67	3.30	12	102	14.4	.11	.6	1.1	B4
PDE 44.7 110.6 M?													
730807	2229	2.31	44-50.10	110-31.52	5.00	2.27	7	105	20.2	.04	.3	3.3	BC
730808	1026	42.31	44-48.08	111- .58	6.19	2.02	6	108	7.7	.05	.5	1.5	AB
730809	456	18.59	44-45.96	111- 4.18	7.04	2.54	7	92	4.4	.10	.8	1.5	AB
730810	4 1	8.62	44-46.54	110-41.43	11.88	2.31	9	65	22.4	.07	.5	2.6	BB
730810	1255	3.30	44-44.13	111-13.05	2.82	1.89	5	118	3.4	.13	1.8	1.9	C1
730810	1513	26.58	44-45.03	111-10.73	8.05	2.10	6	90	6.6	.11	1.2	2.0	B1
730811	1039	18.25	44-49.81	110-56.29	9.33	1.87	6	119	13.9	.01	.1	.3	AB

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DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO GAP	DMIN	RMS	ERH	ERZ Q
730820	332	26.76	44-36.09	110-45.41	0.23	1.39	7 85	15.2	0.17	0.4	1.4 C1
730820	655	25.02	44-45.01	111-14.88	12.62	1.64	7 163	4.6	0.10	1.4	1.9 C1
730820	736	38.85	44-29.42	110-59.42	0.83	1.48	7s211	12.6	0.27	7.3	23.2 D1
730820	811	30.39	44-39.15	111- 9.92	1.70	1.83	7 186	8.7	0.09	1.0	1.4 AD
730820	959	30.79	44-58.18	111-39.25	.08	2.06	4 310	29.7	.04		AD
730820	1035	8.56	44-32.63	110-25.34	0.18	2.49	9 185	9.4	0.15	0.8	1.3 C4
PDE 44.5 110.4 M7											
730820	1822	10.60	44-32.60	110-24.50	1.70	2.76	8 189	9.8	.20	1.5	1.6 BD
730821	1212	26.95	44-30.07	110-38.97	1.31	2.17	9 103	11.5	.08	.6	1.5 AC
730823	846	22.62	44-32.26	110-23.88	.59	2.11	9 124	5.1	.26	1.7	3.0 BB
730825	1928	58.73	44-49.10	111-18.70	12.23	1.56	4 200	3.8	0.00		C1
730828	247	5.16	44-36.36	111-12.27	12.01	1.62	6 222	11.8	0.09	1.9	2.9 C1
730829	1138	5.07	44-47.61	111-30.37	12.59	2.58	6 284	16.4	.07	4.1	2.2 CD
730831	1549	38.94	44-50.64	111-52.27	5.00	2.58	4 324	43.9	.08		AD
730901	129	28.47	44-45.28	111- 8.41	9.36	2.06	6 93	5.3	.09	1.0	1.7 BB
730902	746	28.41	44-25.06	110-59.24	.06	1.49	8s238	12.3	.41	5.3	4.7 DD
730902	1543	5.59	44-31.41	110-20.54	.33	1.38	5s272	14.2	.08	1.3	1.8 BD
730907	2033	34.90	44-44.11	110-52.47	10.39	1.69	6 123	14.4	0.03	0.3	1.2 B1
730909	1356	55.49	44-43.59	111-15.19	12.06	1.93	5 190	2.2	0.11	3.9	4.6 D1
730915	844	14.68	44-36.42	110-40.11	.34	2.06	9 77	13.8	.07	.4	1.2 AC
730921	7 1	42.02	44-48.97	111- .54	5.18	1.94	7 75	8.0	.06	.5	1.7 AB
730922	1825	48.76	44-45.17	110-55.55	7.91	2.49	7 90	15.1	.06	.4	2.2 BB
largest of approximately 30 events in 8 hours											
730924	1441	16.50	44-47.74	111-43.96	5.00	2.60	4 318	33.6	.06		AD
730924	2227	31.72	44-29.80	111- 8.68	5.00	2.31	7 240	24.6	.12	2.7	18.2 CD
730925	2217	57.99	44-23.64	110-28.16	.34	1.91	5s278	8.4	.08	.7	12.3 CD
730926	5 6	36.30	44-52.21	111-38.87	1.46	2.89	4 308	26.3	.02		AD
730927	827	50.73	44-46.83	110-30.65	.72	1.50	8 104	15.5	.14	.9	2.3 BC
730929	2141	46.71	44-45.89	110-48.60	1.42	1.80	8 76	10.0	.06	.4	.9 AC
731001	834	11.40	44-44.26	111- 6.91	7.89	1.90	7 107	6.5	0.10	0.9	1.7 B1
731002	215	17.05	44-32.28	110-28.65	.22	1.74	6 130	10.2	.17	1.6	5.5 CC
731002	229	41.70	44-48.15	110-31.23	1.26	2.44	7 101	15.8	0.11	0.8	1.7 B1
731002	629	40.32	44-44.21	111- 6.49	7.86	1.93	7 108	6.6	.11	1.0	2.0 AB
731002	728	22.17	44-44.14	111- 6.49	7.62	2.17	7 108	6.7	0.08	0.7	1.4 B1
largest of approximately 90 events in 24 hours											
731003	19 6	35.34	44-46.39	111-18.33	7.92	1.88	7 211	8.8	0.13	2.3	3.0 C1
731012	653	48.74	44-18.44	110-20.41	9.00	2.24	3 194	8.7	.01		AD
731013	137	59.84	45- 8.59	110-59.36	9.14	2.04	6 269	16.2	.06	2.8	2.9 CD
731021	9 5	36.70	44-37.98	110-44.15	.64	2.02	9 111	11.3	.07	.5	1.4 AC
731021	952	6.07	44-37.81	110-43.95	.84	2.11	9 113	11.6	.07	.5	1.3 AC
731022	1721	19.59	44-48.72	111-16.03	10.00	1.75	5 150	5.9	0.08	1.9	3.4 C1
731023	055	2.72	44-48.84	110-49.01	1.83	2.06	8 75	13.5	.10	1.0	2.6 BC
731023	447	53.52	43-53.69	110-29.67	10.99	2.16	10s301	49.3	0.08	0.9	0.5 AD
731023	13 3	5.26	44-22.70	110-19.80	9.20	1.85	6s142	12.0	.05	2.2	2.2 BC
731029	1347	31.18	44-49.13	111-30.87	14.05	2.05	6 286	16.1	0.02	1.2	0.6 C1
731110	121	31.23	44-42.31	110-53.58	1.46	1.64	5 99	16.1	0.07	0.9	2.0 C1
731114	520	42.19	44-48.40	110-53.92	5.00	1.66	7 77	16.5	.08	.6	5.6 CC
731115	1344	15.37	44-44.13	111- 3.11	7.13	1.78	6 107	8.0	0.05	0.6	1.6 B1
731117	1242	27.18	44-45.15	111- 1.46	8.33	2.06	7 98	8.1	.06	.5	1.3 AB
731117	1418	20.05	44-45.23	111- 1.27	7.89	2.05	7 97	8.2	0.07	0.6	1.6 B1
731118	20 0	8.70	44-14.71	110-29.20	12.06	2.03	6s235	21.1	.04	.7	1.3 AD
731120	150	3.47	44-34.78	110-47.57	.46	1.47	9 97	14.7	.25	1.1	3.5 BC
731121	1351	17.03	44-32.58	110-55.08	5.00	1.77	7 157	11.8	.08	2.7	18.3 CC
largest of approximately 30 events in 15 hours											
731121	17 5	25.52	44-34.64	110-47.43	.35	1.58	7 118	14.4	.26	1.0	3.1 BC
731121	22 1	36.45	44-44.53	110-32.28	1.00	1.83	5 94	12.4	.04	.5	1.3 AD
731122	3 6	9.37	44-32.07	110-54.45	9.52	1.69	6 156	10.5	0.03	1.1	3.7 C1
731128	311	34.51	44-27.89	111-14.48	.47	1.94	5 260	27.2	.04	2.2	1.3 BD
731203	4 5	48.19	44-32.27	110-55.17	9.18	1.68	6 160	11.3	.07	1.7	5.7 CC
731203	446	34.97	44-32.70	110-54.50	8.25	1.60	6 152	11.6	.10	2.9	10.8 CC
731203	1023	31.80	44-31.61	110-54.30	9.27	1.83	5 159	9.7	.03	1.9	5.6 CD
731210	1556	25.77	44-41.13	110-50.15	1.34	1.83	7 84	4.5	0.06	0.5	1.0 A1
731215	1026	48.56	44-45.28	111- 7.08	8.24	1.61	6 148	4.7	0.09	1.1	1.7 C1
731216	2210	53.44	44-48.03	110-31.21	1.45	2.44	7 101	15.7	.08	.6	1.3 AC
731220	740	23.92	44-37.06	110-40.59	.54	1.69	7 129	12.6	.08	.6	1.5 AC
731220	927	56.09	44-44.24	111-13.08	1.62	1.78	6 120	3.5	0.05	0.6	1.0 B1
731230	8 3	7.14	44-47.96	110-31.24	1.03	1.68	7 101	15.6	.11	.8	1.7 AC
740102	312	50.08	44-45.40	111-11.44	9.58	2.42	5 176	8.0	0.01	0.3	0.4 C1
740102	1335	24.89	45-21.50	111-32.21	6.46	2.80	10s305	58.9	0.35	3.7	2.8 D1
740103	044	8.50	44- 3.48	110-37.19	5.00	2.42	7s285	39.8	0.19	9.1125	5.0 DD
740107	126	33.16	44-26.58	110-34.69	.14	2.53	6 152	21.0	.15	1.3	2.5 BC
largest of approximately 40 events in 15 minutes											
1 M2.5 and 3 M2+ similar-events not located											

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO GAP	DMIN	RMS	ERH	ERZ	Q
740114	914	34.32	44-47.69	110-31.68	1.46	2.21	5 99	14.9	.07	.9	2.1	BD
740121	0 8	30.91	44-19.81	110-17.95	0.19	1.92	5s269	23.6	0.12	4.1	3.6	D1
740121	129	16.91	44-42.83	111- 5.61	9.37	1.88	5 166	9.2	0.01	0.1	0.3	C1
740121	2 1	11.37	44-25.58	110-19.65	1.40	2.06	4s289	19.5	0.00			C1
largest of approximately 40 events in 4 hours												
740122	1738	38.01	44- 3.25	110-37.02	9.83	2.46	6s309	40.2	0.44	11.8	9.3	D1
740126	219	7.78	44-42.89	111- 8.72	12.61	1.98	5 178	9.5	0.02	0.5	0.9	C1
740126	1123	24.55	44-21.89	110-48.36	.08	2.10	7 250	10.1	.32	5.0	3.0	CD
largest of approximately 100 events in 10 hours												
740126	1924	7.28	44-18.62	110-29.25	0.32	2.52	9s294	13.4	0.14	1.3	1.4	BD
740201	8 8	54.85	44-49.88	111-27.38	8.99	1.84	8s280	11.4	0.07	1.4	1.2	C1
740203	617	39.86	44-47.61	110-49.27	1.63	1.92	7 88	12.3	.08	.6	1.2	AC
740205	2134	2.77	44-38.71	110-59.02	10.14	1.33	6 159	19.4	0.10	1.2	5.2	C1
740206	558	32.10	44-47.73	110-53.61	8.44	2.37	7 96	16.6	.06	.5	2.3	BB
740206	726	7.63	44-47.74	110-53.48	7.90	3.33	8 96	16.6	.08	.5	2.5	BC
PDE 45.1 111.0 M?												
740207	1318	23.74	44-47.48	110-49.30	.87	1.87	6 89	12.2	.08	.6	1.5	AC
740209	2050	38.32	44-43.64	110-35.04	.64	2.17	7 78	8.6	.11	1.1	2.5	BB
740209	23 9	18.93	44-47.18	111- 2.60	4.79	1.90	5 126	5.1	0.02	0.3	0.6	C1
740209	2347	44.84	44-43.21	110-35.62	3.49	2.69	9 75	8.0	.08	.5	2.5	BB
740210	355	25.50	44-43.27	110-35.37	2.25	2.22	6 81	8.3	0.16	1.4	2.4	B1
740210	6 9	22.09	44-43.21	110-35.82	2.18	3.12	9 74	7.7	.08	.4	.7	AB
largest of approximately 50 events in 12 hours												
740210	612	23.33	44-43.22	110-35.68	3.84	2.97	8 82	7.9	0.08	0.6	2.3	B1
740213	355	10.85	44-47.56	110-55.27	1.15	2.70	7 120	14.7	.07	.5	1.1	AC
740214	1743	4.24	44-26.58	110-27.34	0.71	1.95	6s220	9.7	0.07	1.2	1.1	C1
730215	025	23.20	44-26.45	110-21.50	1.18	2.41	6s235	17.2	0.10	1.3	1.4	C1
largest of approximately 100 events in 9 hours												
740219	126	46.65	44-46.72	111-11.54	9.34	2.18	5 167	7.1	0.00	0.1	0.1	C1
740223	722	46.96	44-48.92	110-49.47	.41	1.46	7 101	14.1	.07	.4	1.3	AC
740223	728	18.31	44-48.99	110-49.39	1.17	2.18	9 76	14.1	.08	.4	1.0	AC
740223	753	10.40	44-48.96	110-49.42	.88	1.57	8 76	14.1	.07	.4	1.1	AC
740223	9 9	.54	44-48.88	110-49.35	.93	1.58	8 75	13.9	.08	.5	1.2	AC
740224	17 8	20.67	44-51.12	110-52.26	5.00	1.90	9 91	19.5	.08	.5	7.1	CC
740225	1629	43.85	44-45.09	110-58.98	7.83	1.76	8 96	11.0	.06	.4	1.4	AB
740225	2023	19.56	44-44.86	110-58.98	7.61	2.17	8 97	11.2	.06	.4	1.4	AB
740226	829	49.31	44-45.03	110-59.13	7.55	1.96	8 96	10.8	.07	.5	1.7	AB
740226	839	22.82	44-44.91	110-59.06	8.10	1.60	8 97	11.0	.07	.5	1.6	AB
740226	10 9	35.56	44-42.37	110-34.01	3.87	1.71	8 85	10.4	.07	.5	2.9	BC
740226	1413	40.80	44-45.00	110-59.25	7.28	2.00	8 97	10.7	.06	.4	1.4	AB
largest of approximately 35 events in 36 hours												
740227	2 0	45.03	44-47.74	110-49.52	1.65	1.66	7 70	12.7	.06	.5	1.1	AC
740228	1023	44.02	44-45.00	110-59.10	6.65	1.98	8 96	10.9	.06	.4	1.6	AB
740228	15 5	28.35	44-44.98	110-58.99	6.56	2.26	8 96	11.0	.07	.5	2.0	AB
740228	1643	52.53	44-45.05	110-58.92	5.00	1.88	8 96	11.1	.10	.7	3.5	BC
740301	438	45.85	44-47.62	110-49.41	1.27	1.74	7 96	12.5	.07	.5	1.1	AC
740301	859	22.28	44-44.88	110-58.87	6.78	1.78	8 97	11.3	.06	.4	1.5	AB
740302	1648	17.65	44-45.44	110-59.39	8.62	3.09	5 146	10.2	0.07	1.3	2.6	C1
1 similar M2+ event occurred while the Develocorder was off												
740302	17 3	36.76	44-44.45	110-59.01	7.90	1.34	6 151	11.5	0.01	0.2	0.5	B1
740303	1129	49.57	44-43.40	110-35.45	4.32	2.01	8 108	8.1	.06	.5	1.3	AB
740305	3 4	43.48	44-48.10	111-33.82	10.67	2.00	11s290	20.4	0.12	1.3	2.4	BD
740305	3 7	55.61	44-48.33	111-31.93	11.55	2.15	10s287	17.9	0.10	1.3	2.1	BD
1 similar M2.5 event occurred on 3-6 while the Develocorder was off												
740307	1240	49.79	44-45.46	110-51.62	.99	2.50	11 81	12.2	.08	.4	.8	AC
740307	1728	48.52	44-24.32	110-48.99	.61	1.71	7s228	5.6	.17	1.7	2.7	BD
740310	439	44.60	44-45.64	111-14.48	1.73	2.00	7 151	5.7	.16	1.4	2.0	BC
740310	740	44.57	44-45.71	111-14.48	1.97	2.64	8 151	5.8	.18	1.3	1.9	BC
740310	1028	39.87	44-45.61	111-14.48	1.93	1.79	7 151	5.6	.16	1.4	1.9	BC
740310	2234	26.22	44-45.46	110-51.77	2.16	1.94	7 136	12.1	.07	.7	1.5	AC
740311	14 5	27.82	44-19.63	110-20.73	.69	1.49	8s179	9.7	.15	1.2	1.8	BC
740312	420	40.22	44-43.67	111- 8.39	9.64	1.15	5 144	8.0	0.11	2.0	3.5	C1
740313	2231	46.83	44-46.96	111- 5.11	8.81	2.40	7 106	2.3	.06	.5	.9	AB
740314	051	32.67	44-47.09	111- 5.19	9.29	2.09	7 106	2.0	.07	.6	.9	AB
740315	1428	44.53	44-49.43	111- 2.80	2.00	1.54	6 156	5.6	0.08	0.9	1.5	B1
740315	1559	38.30	44-20.89	110-31.85	.60	1.87	4 192	8.0	.14			AD
740317	850	5.92	44-47.92	110-54.04	6.74	2.11	7 149	16.3	.04	.4	1.7	AC
740321	516	40.11	44-44.02	111-15.62	11.19	2.23	7 193	3.2	.11	1.7	2.0	BD
740323	730	4.18	44-43.84	111- 9.16	12.43	1.86	7 110	7.3	0.11	1.2	2.0	B1
740323	1028	56.27	44-41.03	110-46.39	1.18	2.37	9 88	7.8	.09	.5	1.0	AB
740323	2136	42.71	44-46.22	111- 6.49	5.24	2.50	7 95	2.9	.08	.6	.9	AB
740323	2145	50.46	44-45.97	111- 6.49	4.47	1.76	6 121	3.3	0.08	0.8	1.4	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
740324	15 4	42.46	44-40.54	110-41.68	5.28	3.32	11	56	6.1	.09	.5	1.1	AB
PDE 44.6 110.8 M3.8													
largest of approximately 60 events in 30 hours													
12 similar M2+ events not located													
740324	15 7	45.38	44-39.93	110-42.53	3.16	3.25	8	140	12.0	.09	1.0	21.5	CC
PDE 44.6 110.8 M?													
740324	2257	3.12	44-40.91	110-42.51	3.33	2.93	10	54	5.5	.08	.5	2.0	AB
PDE 44.5 111.1 M?													
740325	757	38.13	44-41.25	110-42.27	4.11	2.49	10	53	4.9	.08	.5	1.2	AA
740325	1240	19.81	44-40.26	110-42.28	1.61	1.93	9	101	6.7	.07	.4	.8	AB
740325	2057	23.94	44-40.21	110-42.42	1.99	2.26	8	101	6.8	.04	.2	.4	AB
740326	1112	21.53	44-47.90	110-49.00	.39	1.93	9	114	12.4	.06	.5	.9	AC
740326	1138	4.61	44-47.82	110-49.11	.58	2.19	9	113	12.4	.07	.5	.9	AC
740326	1147	2.05	44-47.93	110-49.13	.83	2.18	9	114	12.5	.07	.5	.9	AC
740326	1548	43.56	44-47.95	110-49.02	1.37	1.29	8	166	12.4	.05	.4	.7	B1
740326	2355	3.57	44-47.76	110-49.13	1.04	1.85	9	113	12.3	.07	.5	.9	B1
740327	1234	20.29	44-47.14	111- 3.98	3.61	2.19	7	110	3.4	.07	.5	1.0	AB
740327	1456	42.59	44-47.04	111- 4.15	3.75	2.12	7	109	3.3	.06	.5	.9	AB
740328	0 5	38.03	44-47.15	111- 4.39	3.57	2.10	7	109	2.9	.07	.6	1.1	B1
740328	011	9.88	44-47.16	111- 4.17	4.10	2.53	7	110	3.1	.06	.5	.8	AB
740328	3 7	31.25	44-40.73	110-42.15	2.20	2.19	8	98	5.8	.03	.2	.3	AB
2 similar M2 events on 3-27 not located													
740328	530	44.12	44-47.25	111- 4.24	3.51	2.15	7	110	3.0	.07	.6	1.0	AB
740328	2236	39.54	44-49.65	111-24.23	9.35	1.95	9s270	7.5	.11	.11	1.7	1.6	C1
740329	257	28.15	44-39.37	110-57.59	1.13	2.23	7	128	8.1	.11	.9	2.3	BB
740329	8 3	22.76	44-44.65	111-22.85	11.60	1.54	6	256	11.8	.13	5.2	4.0	D1
740329	2355	46.65	44-31.64	110-59.79	4.44	1.92	5	192	14.9	.01	.2	1.5	C1
740330	1113	31.12	44-47.29	111- 3.98	3.80	2.58	8	111	3.3	.08	.5	1.0	AB
2 similar M2 events not located													
740330	1121	29.54	44-47.24	111- 4.30	4.56	2.60	7	109	2.9	.07	.5	.9	AB
740330	1122	49.75	44-47.12	111- 4.46	3.87	2.63	8	109	2.8	.08	.6	1.0	AB
740330	1130	52.88	44-47.20	111- 4.33	4.72	2.78	7	109	2.9	.08	.5	.9	AB
740330	1422	13.78	44-40.40	110-42.23	2.14	2.37	9	100	6.4	.06	.4	.6	AB
1 similar M2+ event not located													
740331	0 0	41.03	44-47.32	111- 4.11	3.61	2.14	7	110	3.1	.06	.5	.9	AB
740331	16 9	21.05	44-41.44	111- 1.28	7.65	1.93	6	125	13.5	.12	1.4	4.9	B1
740401	0 1	29.37	44-47.13	111- 4.73	3.67	2.05	7	108	2.5	.09	.7	1.2	AB
740401	222	17.04	44-14.67	110-45.44	6.39	1.96	8s253	24.0	.38	.38	6.1	25.6	DD
740401	229	49.31	44-11.31	110-47.45	17.10	2.05	9s265	29.6	.51	.51	4.1	3.3	DD
second largest of approximately 20 events in 2 hours; largest <M2.5													
740401	620	3.98	44-47.36	111- 3.60	4.63	2.35	7	112	3.8	.04	.4	.7	AB
740401	810	54.01	44-43.01	111-10.61	10.79	1.99	7	123	5.0	.10	1.1	1.8	BB
740402	1610	31.69	44-47.30	111- 3.29	4.79	2.14	7	113	4.2	.06	.5	1.0	AB
1 similar M2+ event on 4-2 not located													
740402	1643	56.77	44-47.47	111- 3.26	4.87	1.99	7	114	4.2	.05	.5	.9	AB
740402	23 4	20.46	44-47.33	111- 3.00	5.04	2.18	7	114	4.5	.06	.5	1.1	AB
740403	247	36.78	44-41.20	111- 1.28	5.00	2.09	7	127	13.6	.12	1.1	5.5	CC
4 similar M2+ events on 4-3 not located													
740403	850	29.10	44-47.48	111- 2.88	4.62	2.98	7	115	4.7	.04	.3	.7	AB
740403	1218	23.40	44-47.36	111- 2.53	5.12	2.29	7	116	5.1	.05	.4	.9	AB
740403	1238	14.39	44-47.32	111- 2.49	4.96	2.97	9	116	5.2	.10	.6	1.5	AB
largest of approximately 200 events in 48 hours													
740403	1313	19.69	44-47.21	111- 2.29	4.64	2.70	7	116	5.5	.05	.4	1.0	AB
740403	1438	50.15	44-47.40	111- 2.34	5.08	2.37	7	117	5.4	.05	.4	.9	AB
740403	2348	9.83	44-37.78	110-37.37	.51	1.95	8	79	12.5	.08	.5	1.5	AC
740404	517	32.32	44-40.44	110-39.90	4.97	2.10	10	75	6.6	.08	.5	1.2	AB
740404	1930	6.02	44-47.64	111- 2.73	2.73	2.60	7	116	4.8	.06	.4	.6	AB
1 similar M2+ event not located													
740405	126	20.99	44-47.39	111- 4.45	3.44	2.28	7	110	2.7	.07	.6	1.0	AB
740405	7 4	24.00	44-40.98	110-42.57	2.42	1.78	7	96	5.4	.07	.6	.8	AB
740406	348	18.87	44-45.26	110-59.60	9.85	2.24	7	114	10.1	.06	.5	1.4	AB
740406	2232	24.05	44-43.92	110-35.98	5.00	2.11	7	150	7.4	.38	3.7	3.7	CC
740407	1328	19.68	44-47.44	111- 4.36	4.92	2.46	7	110	2.8	.05	.4	.7	AB
740407	1343	29.20	44-47.40	111- 4.28	4.36	2.34	7	110	2.9	.06	.5	.8	AB
740407	1551	4.93	44-47.32	111- 4.36	5.00	2.46	7	110	2.8	.06	.5	.9	AB
740407	2026	38.13	44-47.38	111- 4.04	5.00	2.06	7	111	3.2	.06	.5	.8	AB
740408	1022	33.18	44-29.59	110-34.86	10.15	1.48	4	139	8.8	.01			AD
740408	1649	2.46	44-47.52	111- 4.06	5.00	2.24	7	111	3.1	.08	.6	1.1	AB
740408	2321	46.62	44-29.54	111- 6.66	9.70	1.94	6	235	21.9	.08	2.1	7.9	CD
740409	324	59.37	44-47.42	111- 3.51	5.22	2.31	7	113	3.9	.05	.4	.8	AB
740409	2139	56.94	44-30.19	111- 6.17	5.00	2.29	7	229	21.5	.09	1.6	14.3	CD
740410	1825	48.80	44-30.41	111- 5.30	9.38	2.14	7	225	20.6	.12	2.1	7.8	D1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975 (continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO GAP	DMIN	RMS	ERH	ERZ	Q
740410	2224	14.50	44-47.87	111- 1.07	4.38	2.50	8 123	7.0	.07	.5	1.5	AB
740410	2229	55.04	44-47.63	111- 1.43	4.51	2.32	7 121	6.5	.06	.5	1.4	AB
740411	004	18.99	44-47.77	111- 1.20	4.17	2.61	8 122	6.8	.06	.5	1.6	AB
740411	051	16.44	44-47.75	111- 1.31	4.90	2.29	7 122	6.7	.05	.4	1.1	AB
740413	2054	42.68	44-47.35	111- 3.70	5.31	2.28	7 112	3.6	.07	.6	1.0	AB
740414	839	26.86	44-29.95	110-52.16	8.44	1.99	7 152	5.6	.13	2.7	5.5	CC
740414	1332	16.28	44-47.84	111- 1.42	3.51	2.85	8 122	6.6	.08	.6	2.2	BB
PDE 44.8 110.0 M7												
740415	147	19.57	44-47.87	111- .43	4.99	2.02	7 125	7.9	.05	.4	1.4	AB
740417	72	57.11	44-23.60	110-36.32	1.16	2.01	7 179	3.6	.20	.8	1.0	BC
740417	1234	29.62	44-43.96	111-15.52	11.30	2.77	7 191	3.0	.12	2.0	2.1	BD
740417	2340	11.17	44-50.26	110-32.42	0.18	2.10	7 132	17.0	.08	0.8	1.8	B1
740418	159	44.42	44-47.64	111- 1.89	5.19	2.14	7 119	5.9	.06	.5	1.2	AB
740418	1333	39.96	44-47.69	111- 1.73	5.80	2.00	7 120	6.1	.03	.2	.6	AB
740420	541	20.58	44-44.41	111-10.33	11.85	1.72	6 97	6.3	.11	1.5	2.4	B1
740420	1550	60.00	44-47.00	111- 5.37	3.73	2.90	8 105	1.8	.08	.5	.8	AB
740420	1617	11.29	44-47.09	111- 5.25	3.69	2.28	7 106	2.0	.07	.5	.8	AB
740420	1724	53.25	44-47.10	111- 5.30	3.35	2.38	7 106	1.9	.08	.6	.9	AB
740424	2131	14.83	44-36.44	109-58.42	3.09	2.71	5s212	37.6	.05	.7	12.8	CD
740425	455	5.51	44-48.71	110-35.17	1.03	1.66	6 126	12.4	.05	0.5	1.0	B1
740426	929	49.56	44-40.25	110-42.26	.82	1.99	8 101	6.7	.06	.4	.9	AB
740426	1050	49.64	44-47.68	111- 1.80	5.24	2.15	7 120	6.1	.04	.4	.9	AB
740427	119	15.84	44-45.25	111- 7.04	5.63	1.82	6 109	4.7	.09	0.9	1.6	B1
740429	418	12.12	44-46.75	111- 5.91	3.96	2.44	7 103	2.0	.06	.5	.8	AB
740429	192	38.91	44-43.24	111-11.05	10.91	2.13	7 117	4.6	.11	1.2	1.8	BB
740503	1332	42.44	44-34.69	110-54.93	8.46	1.39	5 142	9.0	.12	1.8	4.9	C1
740504	1733	18.07	44-46.75	111- .93	9.13	2.27	7 118	7.4	.05	.5	1.1	AB
740505	2125	47.94	44-49.54	110-55.97	6.76	2.38	7 152	14.1	.05	.5	2.2	BC
740506	958	38.61	44-30.22	111- 6.37	5.00	1.70	7 230	21.8	.09	1.6	15.7	CD
740509	950	41.53	44-29.55	111- 6.82	9.15	1.44	6 236	22.1	.10	2.1	8.2	CD
740509	1147	57.21	44-29.65	111- 6.59	14.33	2.12	7 234	21.9	.08	1.7	4.6	BD
740510	1326	46.54	44-44.02	111-15.29	10.80	1.56	6 184	2.9	.13	2.2	2.5	C1
740512	003	39.81	44-31.80	111- 4.87	5.00	2.39	9 213	20.9	.19	1.8	14.3	CD
740513	540	8.09	44-30.12	111- 6.40	5.00	2.34	7 231	21.8	.09	1.6	14.4	CD
740514	046	24.54	44-40.47	110-42.06	3.11	2.94	10 56	6.2	.06	.4	2.1	BB
740514	1558	48.19	44-46.70	111- .80	8.68	2.37	7 118	7.6	.07	.5	1.3	AB
1 similar M2 event not located												
740515	147	31.40	44-46.72	111- .88	9.33	2.37	7 118	7.5	.07	.6	1.5	AB
740516	257	30.67	44-26.16	111- .41	.31	2.48	9 235	13.3	.19	1.8	2.3	BD
740516	2026	18.00	44-49.88	111-11.35	5.21	1.92	4 106	7.6	.00			C1
740517	1432	34.85	44-40.27	110-42.39	1.64	2.10	6 155	6.7	.05	.5	.9	AC
740518	619	3.19	44-40.27	110-42.46	1.61	2.54	10 56	6.7	.04	.2	.4	AB
740519	1358	32.85	44-27.47	110-34.22	0.04	1.34	4 119	4.8	.01			C1
740522	818	40.84	44-43.24	111- 5.62	8.81	2.31	7 118	8.4	.10	1.0	2.1	BB
largest of approximately 25 events in 4 hours												
740522	1059	33.27	44-40.51	110-41.86	3.45	1.92	7 100	6.1	.09	.9	2.9	BB
740523	1156	44.19	44-48.03	111-27.34	9.96	1.73	9s278	12.5	.12	2.2	2.2	C1
740525	1131	17.16	44- 8.60	110-17.87	5.00	2.05	9s291	17.8	.16	4.1	22.7	CD
740525	1532	53.69	44-46.76	111- 6.04	3.44	1.91	7 102	1.9	.08	0.7	1.0	B1
740525	1916	38.10	44-23.38	110-18.71	3.93	2.12	8s129	12.2	.42	3.8	19.8	CC
740525	1948	55.59	44-23.62	110-18.06	.07	1.88	8s133	12.1	.19	1.3	2.1	BC
740527	2135	6.59	44-46.18	110-59.30	5.55	2.83	7 120	9.8	.08	.7	2.6	BB
740528	124	1.28	44-46.21	110-59.25	5.33	2.84	9 120	9.8	.09	.6	2.2	BB
largest of approximately 40 events in 15 hours												
2 similar M2 events not located												
740528	32	36.88	44-46.22	110-58.98	5.00	2.40	7 121	10.2	.06	.6	2.4	BC
740528	542	10.64	44-46.33	110-59.36	6.76	2.32	7 121	9.6	.06	.5	1.7	AB
740528	715	37.53	44-46.35	110-58.99	5.67	2.53	8 122	10.1	.08	.6	2.3	BB
740528	859	59.45	44-46.31	110-59.34	6.40	2.35	7 121	9.7	.06	.5	1.7	AB
740528	1118	54.28	44-46.33	110-59.46	5.86	2.44	7 120	9.5	.06	.5	1.7	AB
740529	757	46.83	44-35.69	110-43.01	1.35	2.52	9 86	12.7	.07	.4	1.0	AC
largest of approximately 35 events in 2 hours												
740529	105	33.05	44-35.60	110-43.43	2.53	1.90	6 77	12.3	.08	.8	1.8	AC
740601	722	19.06	44-30.07	111- 5.75	5.00	2.30	6 229	21.0	.05	.9	8.7	CD
740602	955	59.15	44-47.27	111- 3.29	5.33	2.16	7 113	4.2	.04	.4	.7	AB
740602	1033	13.29	44-47.40	111- 3.37	5.25	2.18	7 113	4.0	.06	.5	.9	AB
740602	1144	5.20	44-28.12	111- 9.59	8.68	2.15	7 250	25.4	.10	2.4	8.3	CD
740602	1532	48.95	44-28.26	111- 9.53	5.00	1.86	7 249	25.3	.10	2.5	21.2	CD
740604	1128	9.79	44-41.76	110-47.39	2.04	1.89	8 98	7.6	.07	.5	.8	AB
740604	1246	12.83	44-41.99	110-47.75	1.65	1.92	8 102	7.6	.08	.5	.9	AB
740605	1528	8.88	44-47.32	111- 3.35	5.18	2.36	7 113	4.1	.05	.4	.8	AB
1 similar M2 event not located												
1 similar M2+ CCC on 6-7 not located												

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	
740608	1540	55.15	44-46.19	110-58.87	6.96	2.74	7	121	10.3	0.06	0.6	1.6	B1	
740608	1540	55.15	44-46.41	110-58.84	5.00	3.11	8	123	10.3	0.07	.5	2.2	BC	
740608	1942	3.99	44-46.30	110-58.78	5.00	3.05	10	89	10.4	0.10	.6	2.6	BC	
740608	2026	37.35	44-46.52	110-59.17	6.37	3.02	10	88	9.8	0.09	.6	1.9	AB	
740608	2030	32.70	44-46.36	110-59.32	6.18	2.68	8	121	9.7	0.09	0.7	2.4	B1	
740609	0500	42.44	44-46.27	110-58.60	5.00	3.59	10	89	10.6	0.10	.6	2.7	BC	
PDE 44.8 111.1 M?														
largest of approximately 300 events in 24 hours														
2 M2.5, 4 M2+, and 2 M2 similar-events not located														
approximately 30 similar events per day for the next 6 days														
740609	137	25.45	44-46.32	110-59.24	6.19	2.49	8	121	9.8	0.08	.6	2.0	AB	
740609	144	20.85	44-46.46	110-59.76	6.14	3.05	10	89	9.1	0.09	.5	1.8	AB	
PDE 44.9 111.3 M?														
740609	155	26.76	44-45.80	110-58.52	5.00	2.33	7	120	11.0	0.06	.5	2.3	BC	
740609	157	13.38	44-45.99	110-58.49	5.00	2.41	9	90	10.9	0.09	.5	2.6	BC	
740610	427	7.49	44-46.27	110-59.13	8.11	2.58	7	121	10.0	0.04	0.4	1.2	B1	
1 M2.5+ and 1 M2+ similar-events not located														
1 similar M2.5 event on 6-11 not located														
740612	442	41.35	44-47.30	111- 3.36	5.29	2.38	7	113	4.1	0.04	.3	.7	AB	
1 similar M2+ event not located														
740612	753	58.58	44-45.56	110-58.53	5.00	2.40	7	119	11.1	0.06	.5	2.4	BC	
740612	1426	39.21	44-46.75	111- .08	5.70	2.75	8	121	8.5	0.06	.4	1.4	AB	
1 similar M2 event not located														
3 similar M2 events on 6-13 not located														
740614	727	55.48	44-46.58	111- .62	4.61	2.37	7	118	7.9	0.05	.4	1.4	AB	
740615	2032	32.51	44-46.35	110-59.21	6.83	2.28	7	121	9.8	0.06	.5	1.5	AB	
740619	612	55.36	44-41.49	110-47.66	1.04	2.31	9	96	7.0	0.08	.5	.9	AB	
740626	031	17.50	44-40.40	110-42.04	3.05	2.19	6	100	6.4	0.04	0.6	3.0	B1	
2 similar M2 events on 6-25 not located														
740627	737	50.65	44-31.26	110-35.46	5.00	1.28	5	128	11.9	0.06	.7	5.5	CD	
740629	321	56.56	44-48.66	110-58.13	6.79	1.77	7	138	11.0	0.05	.4	1.6	AC	
740629	50	2.67	44-45.66	110-58.35	7.11	1.93	8	92	11.3	0.07	.5	1.8	AB	
740629	539	41.53	44-45.73	110-58.40	7.61	1.90	8	91	11.2	0.07	.5	1.7	AB	
740629	717	1.31	44-50.46	110-57.84	7.97	1.64	7	150	12.3	0.04	0.4	1.6	B1	
740701	1822	7.18	44-27.41	111- 4.37	13.35	4.14	8	146	37.8	0.26	3.7	4.5	C0	
PDE 44.6 111.1 M4.8 ML5.1														
largest of a small swarm from 7-1 to 7-5; Develocorder was off most of the time														
740702	13	8	0.84	44-27.58	110-59.36	12.88	3.71	4	224	38.5	0.05		C0	
PDE 44.6 111.2 M?														
740703 0313 PDE 44.6 111.2 M?—M3+ on Helicorder record														
740704	310	56.14	44-29.29	111- 5.36	15.12	3.21	12	100	27.3	0.18	1.9	2.2	BB	
PDE 44.4 111.1 M?														
only event of swarm recorded on the Develocorder														
1 M3+(0312), 2 M2.5+, and 2 M2+ similar-events not located														
740707	059	47.76	44-51.00	111-26.72	6.35	2.36	7s	279	10.2	0.15	2.5	3.8	C1	
740707	745	12.17	44-44.79	110-31.87	.37	2.48	7	109	13.0	.11	.8	1.9	AC	
740707	928	41.07	44-44.48	110-32.08	.76	2.36	8	113	12.6	0.08	.7	1.7	AC	
1 similar M2 event on 7-8 not located														
740708	1543	32.84	44-35.56	110-46.22	5.00	2.07	9s	222	16.5	0.18	2.2	9.7	CD	
740708	1544	3.43	44-34.80	110-45.76	.19	2.57	8	164	17.6	.11	1.0	2.6	BC	
740708	1547	46.35	44-31.87	111- 4.87	9.66	2.35	7	217	23.5	.16	4.0	8.1	CD	
740709	1447	21.98	44-44.45	110-32.26	.87	2.53	8	115	12.4	0.08	.7	1.6	AC	
1 probably similar M2.5+ event while the Develocorder was off														
740710	948	19.15	44-35.50	110-44.83	5.00	2.19	7	160	16.0	.12	2.4	13.8	CC	
740712	14	4	41.74	44-45.29	110-53.49	2.30	1.89	8	86	12.1	0.06	0.4	0.7	B1
740713	352	52.92	44-45.73	110-51.89	1.47	1.86	8	81	12.7	0.09	.6	1.2	AC	
740715	812	44.13	44-46.20	111-13.79	8.60	1.83	5	137	6.8	0.15	2.9	5.3	D1	
740716	2348	48.89	44-46.07	110-58.38	5.00	2.12	8	90	11.0	0.08	.5	3.0	BC	
740722	0	8	43.29	44-41.60	110-46.53	1.06	2.83	9	85	7.7	0.08	.4	.9	AB
740722	047	52.60	44-41.79	110-46.55	.36	2.03	9	84	7.6	0.07	.4	1.1	AB	
740723	240	35.59	44-40.16	110-39.49	6.82	2.28	11	61	7.3	0.09	.5	1.3	AB	
740723	7	7	26.39	44-40.42	110-42.38	1.42	2.38	11	55	6.4	0.07	.3	.6	AB
740724	1350	35.27	44-47.80	110-51.43	2.00	2.27	9	73	14.9	.10	.6	1.2	AC	
740725	1243	24.61	44-47.88	110-51.61	1.28	2.40	10	73	15.2	0.09	.5	1.1	AC	
740729	444	20.67	44-50.56	110-56.69	5.00	1.65	8	87	13.8	0.07	0.5	4.0	C1	
740731	2227	28.25	44-45.52	111- 7.97	9.23	2.03	6	91	4.6	0.09	1.0	1.6	B1	
largest of approximately 25 events in 5 hours														
740801	625	55.11	44-34.38	110-43.72	1.90	1.91	7	205	13.3	0.06	.7	1.0	AD	
740801	636	45.91	44-34.45	110-45.15	2.38	2.08	10	84	11.8	.14	.8	1.5	AC	
largest of approximately 60 events in 6 hours														
740801	939	.00	44-35.27	110-46.48	.92	1.62	9	91	9.5	.24	1.6	3.5	BB	

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975 (continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	
740801	952	54.25	44-34.58	110-45.42	3.18	1.78	7	85	11.4	.10	.8	22.9	CC	
740802	541	56.86	44-35.60	110-46.54	.80	1.74	8	117	9.0	.19	1.3	3.2	BB	
740802	543	51.61	44-35.75	110-46.38	.55	1.84	8	116	9.0	.22	1.5	4.0	BB	
740803	202	20.63	44-34.79	110-46.07	1.02	1.88	9	89	10.5	.12	.7	1.8	AC	
740804	815	35.59	44-45.98	111-24.92	0.44	2.80	5	272	12.4	0.04	3.8	4.0	D1	
740817	14	6	29.28	44-48.61	111-26.28	10.25	1.85	10s276	10.7	0.11	1.6	1.7	C1	
740817	1715	46.92	44-44.41	111- 7.58	7.78	2.64	8	105	6.4	.09	.7	1.5	AB	
740817	1721	49.72	44-44.49	111- 7.47	7.90	2.81	9	104	6.2	.12	.7	1.5	AB	
largest of approximately 500 events in 7 hours														
2 similar M2 events not located														
1 similar M2+ event on 8-18 not located														
740817	18	0	54.56	44-44.28	111- 7.47	9.34	2.41	8	106	6.6	0.10	0.8	1.5	B
740817	1934	11.78	44-44.49	111- 7.77	8.86	2.42	8	103	6.3	.10	.8	1.5	AB	
740818	4	9	48.30	44-45.40	111-45.94	0.79	2.65	12s305	37.1	0.16	8.0	19.6	DD	
740818	2150	22.21	44-17.41	110-34.82	5.00	2.34	4	222	27.5	.25			BD	
740818	2156	13.88	44-18.35	110-33.88	.12	3.17	7	214	26.6	.40	8.1	12.4	DD	
740818	22	6	15.60	44-19.87	110-33.70	3.61	2.40	7	203	26.0	.52	1.4	43.9	DD
740823	1229	22.70	44-44.33	111-14.48	8.61	2.10	8	157	3.3	.11	1.3	1.6	BC	
740824	2354	1.89	44-40.10	110-42.27	1.83	2.44	10	102	6.9	.03	.2	.3	AB	
740826	19	2	34.27	44-42.97	111- 8.22	9.97	2.00	7	156	8.2	.09	1.1	1.9	BC
740830	1322	12.77	44-37.91	110-43.35	2.77	2.13	10	74	11.0	.07	.4	.6	AC	
740830	1323	6.68	44-38.24	110-43.56	3.71	2.59	12	73	10.6	.18	.8	5.2	CC	
740830 1324 PDE 44.5 111.1 M?														
740830 1335 PDE 44.5 111.1 M?														
740830	1641	58.81	44-38.26	110-43.83	.28	4.0	12	73	10.2	.24	1.1	3.2	BC	
PDE 44.7 110.8 M4.5—larger than 1946 at Yellowstone stations														
largest of approximately 500 events in 35 hours														
6 M3+(all in PDE), 7 M2.5+, and 20 M2+ similar-events not located														
740830 1655 PDE 44.5 111.0 M?														
740830 1701 PDE 44.7 111.2 M?														
740830 1704 PDE 44.7 111.1 M?														
740830 1741 PDE 44.6 111.1 M?														
740830 1933 PDE 44.4 111.1 M?														
740830	1946	54.29	44-37.82	110-43.00	3.56	3.33	12	73	11.3	.10	.5	3.5	BC	
PDE 44.6 110.5 M4.5														
740831	317	51.69	44-39.36	110-44.67	4.77	2.08	11	66	9.1	.09	.4	1.3	AB	
740831	552	39.66	44-38.08	110-43.25	2.56	2.16	11	73	10.9	.15	.8	1.3	BC	
740831	6	6	56.90	44-38.18	110-43.50	2.42	2.34	11	73	10.7	.11	.6	1.0	AC
740831	1425	35.19	44-39.00	110-45.68	2.30	2.00	8	165	7.7	.07	.5	.7	AC	
740901	439	34.45	44-38.37	110-43.46	2.30	2.46	9	111	10.4	.07	.4	.7	AC	
largest located of approximately 200 events on 9-1														
2 M2.5+ and 10 M2+ similar-events not located														
740901	1628	29.45	44-38.64	110-44.02	5.10	2.11	10	107	9.9	.12	.7	2.6	BB	
740902	246	14.06	44-44.23	111-12.79	1.83	1.80	7	113	3.7	.15	1.3	2.0	BB	
740902	738	18.02	44-37.82	110-43.54	2.32	1.73	9	114	10.7	.07	.4	.8	AC	
740902	740	2.83	44-37.90	110-43.52	2.28	1.97	11	75	10.7	.07	.4	.6	AC	
740902	744	16.67	44-37.92	110-43.63	2.85	1.99	10	113	10.6	.09	.5	.7	AC	
740902	1755	52.80	44-38.03	110-43.25	3.27	2.94	11	73	10.9	.09	.5	6.0	CC	
740905	852	13.75	44-46.10	110-58.49	6.84	2.17	9	89	10.9	.09	.5	2.2	BB	
740906	1047	22.96	44-39.83	110-42.14	.52	1.93	10	104	7.4	.06	.3	.8	AB	
740907	1143	45.80	44-39.24	110-43.71	5.00	2.14	10	65	8.9	.28	1.5	4.9	BB	
740908	2	9	23.75	44-13.80	110-49.47	.06	2.56	11s247	24.8	.61	4.3	6.3	DD	
740908	339	51.04	44-42.19	110-48.91	2.25	1.72	6	112	7.0	0.03	0.3	0.5	B1	
740909	322	44.33	43-48.18	111- 5.15	4.12	2.59	12	179	74.8	0.36	2.6	3.6	D4	
740911	1257	31.76	44-24.25	110-15.69	.05	1.91	4	151	12.2	.15			AD	
740912	022	59.80	44-26.87	110-22.38	.04	1.48	6s273	16.2	.15	1.3	1.2	BD		
740912	551	9.15	44-45.62	111-12.94	11.03	1.98	6	124	6.0	0.11	1.4	2.1	B1	
740918	826	19.85	44-43.11	110-35.86	2.69	1.66	7	83	7.7	.09	.7	1.2	AB	
740919	644	24.57	44-47.22	111- 4.71	2.59	2.05	7	83	2.4	.09	.7	.7	AA	
740920	356	20.00	44-40.75	110-45.29	.85	2.24	8	92	7.5	.04	.3	.8	AB	
740921	1034	56.93	44-47.12	111-18.65	4.25	1.86	7	211	7.5	0.17	3.1	6.3	D1	
740921	1958	28.31	44-36.02	110-39.57	9.68	1.68	6	87	17.2	.06	.8	4.4	BB	
740923	2032	26.86	44-40.28	110-42.32	1.91	2.08	7	89	6.6	.03	.3	.6	AB	
740924	559	12.00	43-49.05	111- 7.98	8.03	2.84	8	175	74.3	0.35	2.7	2.4	CD	
740924	840	47.03	44-45.67	111-13.08	12.43	2.06	4	184	9.6	0.00			C1	
740925	1556	5.80	44-37.35	111- 8.09	6.02	1.64	7	190	12.8	0.09	1.1	4.2	C1	
740929	22	3	45.10	44-39.19	110-45.32	5.00	2.00	8	100	23.3	.11	1.1	21.8	CC
741011	1	5	33.73	44-36.76	111- 9.76	13.35	1.50	7	206	12.4	0.10	1.6	2.8	C1
741011	525	59.47	44-43.81	111-14.67	11.38	2.32	8	167	2.3	0.12	1.5	1.8	C1	
741011	731	24.18	44-30.13	111- 5.43	11.15	1.80	6	227	11.5	0.02	0.5	0.6	C1	
741013	228	31.58	44-44.89	111- 8.10	2.37	1.86	7	91	9.3	0.09	1.2	2.4	B1	
741013	1234	26.21	44-38.88	110-46.05	2.14	1.65	6	162	7.2	0.05	0.5	0.7	B1	

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
741018	513	25.25	44-22.03	110-50.61	1.08	1.71	4	172	29.3	0.04			C1
741018	625	23.34	44-39.84	110-41.86	2.98		8	95	8.2	0.12	2.6	5.7	C1
741018	625	27.76	44-40.17	110-42.34	6.45		9	116	21.2	0.05	0.3	1.0	B1
PDE 44.7 110.7 M4.4													
Largest event of an extended episode of activity. Telephone line and Development problems limit the number of events that can be located until 11-8.													
Approximately 250 events occurred on 10-18 and approximately 500 events occurred from 10-19 to 10-31. Unlocated events include approximately 5 of M3.5, 12 of M3.0 to M3.5, and 76 of M2.5 to M3.0.													
741018	0659	PDE	44.7	110.7	M3.5								
741018	726	41.83	44-41.52	110-42.37	0.18	2.70	11	86	11.2	0.10	0.7	1.8	B1
741018	1924	37.18	44-40.62	110-42.26	0.19	2.94	11	95	9.7	0.09	0.5	1.3	B1
741020	0214	PDE	44.5	111.0	M7								
741020	0219	PDE	44.2	111.1	M7								
741020	0645	PDE	44.9	110.9	M7								
741020	1551	PDE	45.7	110.8	M7-	error in location; event is in Yellowstone							
741020	2249	PDE	44.7	110.6	M7								
741020	2257	PDE	44.8	110.9	M7								
741022	0843	PDE	44.7	110.8	M4.6-	smaller than 0625 on 10-18 at Yellowstone stations							
741027	2010	23.93	44-30.19	110-7.90	11.95	2.41	4	188	24.3	0.44			D1
741028	0148	PDE	44.6	111.3	M4.0								
741030	914	47.72	44-46.72	110-41.62	0.10	3.51	9	116	20.0	0.09	0.8	1.6	B1
PDE 44.8 110.8 M3.9													
741101	2046	0.86	44-46.84	110-48.74	1.32	2.80	10	110	11.0	0.06	0.5	0.8	B1
2 similar M2+ events on 10-31 not located													
741102	139	0.30	44-27.04	110-33.79	0.20	2.57	4	164	4.1	0.11			C1
largest of approximately 110 events in 1 hour													
2 similar M2 events not located													
741105	1933	25.21	44-24.88	110-30.56	1.84	2.29	6	158	4.9	0.06	0.7	1.1	B1
741105	1325	49.25	44-22.03	111-1.36	1.76	2.00	8	204	17.3	0.15	2.6	5.3	D1
741108	14	0	44-41.24	110-42.86	2.11	3.04	13	59	5.1	0.08	0.4	0.8	B1
Largest event in this zone of activity during November; activity averaged <10 events per day.													
1 M3+ and 2 M2.5+ similar-events not located													
741111	2014	18.30	44-38.14	110-43.27	2.35	3.00	14	72	7.4	0.08	0.3	0.7	B1
741113	1716	59.14	44-49.67	111-32.13	10.92	2.69	13s	278	17.6	0.09	1.2	0.7	C1
741114	22	3	44-24.85	111-3.79	0.31	1.61	5	260	18.2	0.07	0.8	1.0	C1
741120	1245	29.38	44-27.97	111-6.18	0.16	1.77	7	202	20.9	0.14	1.7	2.5	C1
741129	1358	46.38	44-42.18	110-49.17	1.93	1.55	6	140	6.8	0.07	0.7	1.3	B1
741130	23	6	44-41.80	110-42.48	2.43	2.04	12	59	3.9	0.08	0.4	0.7	A1
741201	2047	27.55	44-41.30	110-47.46	2.30	2.10	12	93	7.0	0.06	0.3	0.7	B1
largest of approximately 100 events in 5 hours													
2 similar M2 events not located													
741202	18	0	44-39.93	110-41.94	3.53	1.96	10	70	7.2	0.08	0.4	1.3	B1
741204	19	7	44-21.61	110-46.40	0.31	2.60	10	247	11.6	0.17	3.1	6.3	D3
741205	1749	33.76	44-43.23	110-46.68	2.44	2.02	8	153	6.8	0.06	0.4	0.6	B1
741206	2313	28.00	44-34.85	110-53.80	6.17	1.57	7	135	7.4	0.09	0.9	2.1	B1
741207	20	5	44-26.87	111-6.27	8.73	1.93	9	251	20.9	0.06	1.6	5.2	D1
741207	2048	13.71	44-48.31	111-16.81	4.40	2.52	10	168	6.0	0.10	1.0	2.2	C1
741211	20	6	44-35.66	110-44.77	2.00	2.07	8	190	10.8	0.02	0.3	0.4	C3
largest of approximately 100 events in 12 hours													
5 similar M2 events not located													
741212	1134	21.56	44-31.65	111-9.90	0.13	1.59	4	236	21.1	0.03			C1
741214	6	3	44-44.22	111-13.80	7.19	1.86	8	138	3.2	0.05	0.6	0.6	B1
741215	2357	35.88	44-46.94	111-0.20	7.09	2.35	8	122	2.6	0.05	0.4	0.4	B1
741216	853	59.36	44-47.04	111-0.13	7.09	2.03	7	177	2.8	0.04	0.5	0.4	B1
741216	1625	37.09	44-43.43	111-1.42	2.60	1.82	7	110	4.2	0.06	0.5	0.9	B1
741217	722	54.73	44-42.23	111-6.76	8.61	2.02	7	131	10.1	0.05	0.5	1.0	B1
741217	822	11.70	44-43.52	111-1.59	2.15	2.66	9	108	4.1	0.06	0.3	0.7	B1
741217	1636	11.03	44-43.42	111-1.69	2.25	2.07	7	111	4.3	0.05	0.4	0.8	B1
741217	1745	56.01	44-43.18	111-21.86	0.07	2.36	12	196	10.0	0.09	0.6	1.1	C2
741218	1446	52.43	44-43.69	111-1.54	2.93	1.82	7	109	3.8	0.04	0.4	0.6	B1
741220	16	4	44-47.50	110-54.89	6.80	1.76	9	165	8.1	0.05	0.5	0.9	B2
741221	611	41.62	44-28.20	111-17.69	5.78	2.47	13	98	4.7	0.09	0.6	1.3	B2
741222	2340	12.89	44-3.43	110-29.49	0.39	3.37	12	239	16.6	0.11	1.5	2.1	C2
741223	1627	17.38	44-31.19	111-5.23	2.18	2.22	13	90	19.2	0.08	0.4	96.3	C2
741223	1926	43.52	44-45.35	110-47.03	5.00	1.65	9	134	13.3	0.07	0.6	3.0	C1
741225	628	39.85	44-41.13	110-42.71	2.40	2.44	12	98	10.8	0.07	0.5	1.0	B1
741225	2017	6.81	44-42.04	110-42.55	2.32	2.58	11	101	13.2	0.05	0.4	0.7	B1
741229	13	3	44-33.65	110-57.19	7.61	1.75	7	107	12.3	0.10	0.9	3.9	B1
750101	2116	20.27	44-43.89	111-5.20	7.04	1.88	9	68	7.1	0.08	0.5	1.2	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT. N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750103	123	33.09	44-45.83	110-41.68	3.46	1.99	10	148	3.7	0.13	1.0	1.7	C1
750103	1913	56.29	44-18.76	110-19.00	5.45	2.16	6	130	7.0	0.15	1.8	4.8	B2
750104	156	37.10	44-39.37	110-41.02	2.03	1.84	11	60	6.9	0.05	0.2	0.5	B1
750104	825	44.06	44-45.23	110-59.96	4.09	1.36	9	113	0.8	0.08	0.6	0.8	B1
750105	251	4.58	44-41.67	110-42.34	2.05	1.85	11	55	4.1	0.07	0.4	0.7	A1
750105	726	48.74	44-44.35	111- 1.88	6.37	1.68	9	104	3.0	0.08	0.6	0.9	B1
750108	5 4	44.78	44-40.58	110-41.36	2.33	2.77	11	60	6.0	0.06	0.3	0.6	B1
Largest event in this zone of activity during January													
2 M2.5 and 5 M2+ similar-events not located													
750109	526	57.72	44-45.69	111- 6.10	4.47	2.16	8	94	3.9	0.11	0.8	1.6	B1
750110	746	1.73	44-37.69	110-51.01	3.11	1.95	13	67	2.4	0.11	0.5	1.0	A2
1 similar M2 event on 1-9 not located													
1 similar M2 event on 1-13 not located													
750112	1944	43.60	44-46.66	111- 0.46	3.37	2.52	10	112	2.0	0.03	0.2	0.3	B1
750112	2055	2.52	44-39.44	110-41.05	2.17	2.73	13	62	8.1	0.06	0.3	0.6	B1
750112	2235	52.17	44-46.78	111- 0.72	2.87	2.62	8	119	2.3	0.06	0.5	0.4	B1
750113	1423	11.63	44-21.22	110-49.28	0.61	1.80	14	85	11.1	0.29	0.7	1.3	C2
750116	2319	37.68	44-19.05	111-11.77	10.78	1.25	6	121	20.3	0.19	2.7	12.9	C3
750117	0337	47.97	44-30.95	109-57.26	7.40	1.90	5	225	4.7	0.03	1.6	0.7	C3
750119	745	16.87	44-45.07	111-16.55	5.90	1.99	11	153	5.4	0.11	0.7	1.1	B3
750120	6 3	19.06	44-45.92	111- 4.51	8.36	2.08	9	103	4.2	0.06	0.4	0.6	B1
750120	2227	24.88	44-48.60	110-58.13	2.46	2.14	11	138	6.4	0.07	0.4	0.5	B3
750120	2322	18.99	44-45.66	111- 4.61	8.27	2.35	7	98	5.6	0.07	0.6	0.9	B1
750122	1019	5.56	44-37.84	110-50.59	3.88	2.18	10	106	2.3	0.08	0.4	0.7	B1
750123	1211	50.43	44-46.08	111- 4.78	8.22	1.96	9	104	3.8	0.07	0.4	0.6	B1
750123	1238	17.36	44-23.52	110-16.40	5.00	1.60	9	99	11.1	0.09	0.6	4.2	C2
750124	018	43.33	44-37.81	110-50.67	3.62	2.12	17	73	2.3	0.09	0.3	0.8	A2
750124	636	48.38	44- 7.25	110-24.34	1.07	2.53	11	234	21.0	0.12	1.21	48.4	D2
750125	2139	17.53	44-39.82	110-41.19	3.13	2.52	14	60	7.4	0.07	0.3	0.9	B1
750125	2143	25.77	44-39.80	110-41.08	2.32	2.45	14	61	7.5	0.11	0.5	0.9	B1
750126	1054	13.89	44-50.67	110-57.77	7.23	1.61	8	151	10.1	0.05	0.4	0.6	B1
750127	135	0.69	44-50.77	111-31.63	2.69	1.77	10	256	16.7	0.08	1.41	08.5	D3
750127	15 6	54.05	44-42.27	111- 3.48	8.08	2.17	9	124	7.4	0.11	0.8	1.4	B1
750127	1655	32.18	44-42.26	111- 3.61	7.98	2.14	9	124	7.5	0.11	0.8	0.8	B1
750127	1732	10.34	44-42.24	111- 3.79	8.03	2.40	9	125	7.6	0.10	0.7	1.3	B1
750127	1843	57.49	44-42.29	111- 3.50	7.90	2.42	9	124	7.3	0.11	0.8	0.8	B1
750127	2315	32.48	44-42.22	111- 3.99	7.99	1.76	9	125	7.8	0.11	0.8	0.9	B1
750128	443	8.76	44-44.50	111- 7.82	8.41	1.77	11	61	5.3	0.11	0.6	1.1	A3
750128	2325	44.88	44-42.26	111- 3.99	7.48	2.5	15	52	7.8	0.11	0.5	1.3	B2
750128	2326	6.96	44-42.31	111- 3.89	7.48	2.66	13	52	7.6	0.10	0.5	1.4	B3
750129	5 0	41.54	44- 5.86	110-14.18	3.50	2.26	13s254	22.1	0.23	1.4	34.9	D2	
750129	20 8	18.59	44-42.28	111- 4.18	9.12	3.56	16	90	10.6	0.20	0.8	2.5	B3
PDE 45.1 111.5 M4.2													
largest of approximately 250 events in 80 hours													
2 M2.5 and 6 M2+ similar-events not located													
750129	2022	20.36	44-42.36	111- 4.44	7.52	2.65	13	52	8.0	0.10	0.5	1.3	B3
750129	2028	0.07	44-42.48	111- 4.53	8.25	2.88	15	52	7.9	0.10	0.5	1.2	A3
750129	2030	12.17	44-42.13	111- 4.05	7.01	2.66	13	53	8.0	0.09	0.5	1.4	B3
750129	2042	44.84	44-42.19	111- 4.61	6.74	2.49	12	54	8.4	0.10	0.5	1.6	B2
750130	050	39.02	44-37.71	110-50.60	2.96	2.34	16	72	2.5	0.12	0.4	0.6	A2
750130	1514	32.07	44-37.72	110-50.11	3.21	2.27	12	104	2.9	0.08	0.4	0.7	B1
750131	349	47.14	44-40.74	110- 2.04	12.50	2.21	4	167	13.1	0.00			C3
750131	6 4	20.96	44-48.41	111-34.02	8.61	1.92	9	259	20.5	0.09	1.8	3.7	C3
750131	925	11.39	44-43.53	111- 7.27	7.60	1.82	12	59	6.5	0.09	0.5	1.0	A3
750201	1739	39.52	44-35.35	110-53.35	0.20	1.74	9	130	7.0	0.09	0.5	1.9	B1
750202	710	16.90	44-42.30	111- 4.34	7.58	2.75	13	53	8.0	0.10	0.5	1.3	B3
750202	710	30.85	44-42.13	111- 4.66	6.59	3.26	11	89	10.7	0.07	0.4	1.5	B3
750202	1148	42.01	44-42.28	111- 4.19	7.71	2.89	14	52	7.9	0.10	0.5	1.2	D3
750203	455	16.92	44-34.86	110-41.28	0.76	1.74	9	78	15.5	0.06	0.4	1.0	B1
750204	8 9	0.99	44-46.37	111-13.42	11.69	1.75	10	124	3.3	0.10	0.7	0.9	B3
750204	1050	24.80	44-52.18	111-34.17	1.86	2.09	9	264	20.1	0.09	1.91	19.9	D3
750204	1218	21.03	44-48.28	110-57.82	2.81	1.85	10	126	6.1	0.05	0.3	0.5	B1
750205	1211	46.47	44-13.63	110-45.87	2.73	2.04	11	115	12.8	0.35	1.74	35.6	C2
largest of approximately 10 events in 1 hour													
750206	2152	3.14	44-20.12	110-15.50	5.78	1.37	4	104	4.8	0.00			C3
750207	13 0	41.84	44-26.01	110-55.44	0.33	1.80	10	99	6.9	0.24	1.5	2.6	B2
750210	533	38.04	44-42.37	110-32.90	1.39	1.28	7	121	5.8	0.09	0.7	1.9	B1
750210	1042	27.40	44-37.78	110-50.60	3.32	2.13	16	73	2.4	0.11	0.4	1.0	A2
1 similar M2 event on 2-3 not located													
750212	23 8	51.81	44-22.45	110-40.20	0.80	1.41	4	123	9.1	0.20			C1
750213	2333	19.62	44-49.47	111-27.93	9.31	1.93	11	243	12.2	0.20	2.6	3.4	D3
750214	5 2	50.50	44-45.57	111- 7.28	5.21	2.23	13	74	4.2	0.10	0.5	1.0	A3

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750214	612	8.02	44-26.97	110-24.70	5.00	1.50	7	111	13.3	0.08	0.6	3.6	C1
750215	2240	59.06	44-27.74	110-23.95	1.23	2.53	16	66	8.4	0.09	0.2	1.4	B2
largest of approximately 75 events in 60 hours													
7 similar M2 events not located													
750216	257	44.48	44-49.56	111-44.36	14.53	1.98	7	283	33.6	0.04	1.7	1.3	C3
750217	13 5	5.53	44-27.84	110-24.09	0.21	2.50	16	66	8.1	0.08	0.2	1.8	B2
750217	1310	58.25	44-27.98	110-24.40	1.25	2.27	10	114	14.3	0.08	0.3	1.8	B1
750217	1317	8.38	44-27.86	110-24.42	0.44	2.22	10	114	14.2	0.08	0.3	2.6	C1
750217	1351	9.85	44-27.74	110-24.81	0.39	1.83	11	113	13.6	0.15	0.7	5.3	C1
750217	2045	53.63	44-46.11	110-28.38	6.15	1.74	10	116	3.4	0.13	0.9	1.2	B1
750218	1410	45.51	44-27.39	111-05.57	0.10	1.49	11	70	13.4	0.18	0.6	1.4	C2
750219	1020	24.88	44-44.22	111-11.84	8.51	2.03	13	96	1.6	0.10	0.5	0.8	B3
750220	2033	48.51	44-37.98	110-50.71	3.76	2.10	12	77	2.0	0.08	0.4	0.7	A3
1 similar M2 event on 2-21 not located													
1 similar M2+ event on 2-22 not located													
1 similar M2+ event on 2-24 not located													
750221	419	41.93	44-46.48	110-48.46	3.28	1.82	11	109	10.3	0.06	0.4	2.2	C1
750222	2115	28.14	44-40.98	110-42.24	2.11	3.32	14	50	5.3	0.08	0.3	0.7	B1
PDE 44.9 110.9 M?													
Largest event in this zone of activity during February													
1 M2.5 and 4 M2+ similar-events not located													
750222	2146	4.56	44-40.63	110-42.83	1.26	2.48	12	55	6.1	0.06	0.3	0.7	B1
750223	1450	56.13	44-40.87	110-42.45	2.05	2.52	13	52	5.6	0.05	0.2	0.5	B1
750224	445	33.28	44-28.16	111-17.53	5.17	1.62	11	97	4.9	0.06	0.4	1.1	B2
750224	1152	0.35	44-37.51	110-35.55	1.20	1.64	7	137	4.5	0.16	0.7	1.9	C1
750226	16 3	24.41	44-47.86	110-55.05	7.71	2.27	11	132	8.2	0.09	0.6	0.7	B1
2 similar M2 events not located													
750302	1921	51.56	44-45.89	111-6.62	4.54	2.38	9	91	3.5	0.11	0.7	1.4	B1
1 similar M2+ event on 3-3 not located													
750303	2024	43.16	44-26.82	111-7.88	0.38	2.39	9	112	17.7	0.16	1.2	3.4	C3
largest of approximately 50 events in 24 hours													
750303	2352	57.05	44-33.30	110-37.54	1.00	1.40	9	79	5.4	0.05	0.3	0.5	B2
750304	334	26.45	44-26.90	111-8.36	0.52	1.53	12	76	17.0	0.14	0.8	2.3	C2
750305	8 7	11.70	44-45.36	110-0.30	14.63	2.36	6	129	27.5	0.29	4.0	9.4	C3
750306	636	14.21	44-37.73	110-38.42	2.27	1.93	14	76	2.9	0.07	0.3	0.5	A1
1 similar M2+ event not located													
750306	1453	43.20	44-40.12	110-42.36	2.01	2.54	13	55	6.9	0.08	0.3	0.7	B1
750306	2036	44.21	44-42.63	111-16.60	7.31	2.64	14	156	2.9	0.09	0.5	0.7	B2
750309	342	52.88	44-39.65	110-37.23	4.63	1.83	13	83	6.6	0.12	0.5	1.4	B1
750311	313	51.92	44-44.30	110-31.73	5.00	1.20	7	142	2.6	0.13	1.5	2.2	C1
750311	1330	56.17	44-43.61	111-8.87	10.04	2.80	8	114	7.5	0.09	0.7	1.2	B1
PDE 44.9 111.5 M?													
750311	1926	27.16	44-46.29	110-28.02	3.81	1.31	7	148	3.9	0.07	0.7	1.0	B1
750317	040	32.55	44-44.73	110-31.54	5.00	1.34	8	144	2.2	0.17	1.3	1.7	C1
750318	231	18.74	44-36.26	110-26.66	0.98	2.29	16	71	2.5	0.19	0.8	1.1	B2
750318	810	36.42	44-39.59	110-38.66	0.15	2.22	4	292	8.7	0.24			C1
750318	810	37.84	44-35.49	110-26.85	0.92	1.80	5	118	4.0	0.21	0.5	2.0	C1
750318	816	53.70	44-42.60	110-43.20	3.54	2.09	13	85	3.1	0.11	0.5	1.0	A1
750320	2136	59.51	44-43.24	111-8.73	8.43	2.91	11	120	7.6	0.07	0.5	0.8	B1
750321	1556	22.05	44-42.22	110-42.00	2.28	3.03	14	53	3.0	0.08	0.4	0.6	A1
Largest event in this zone of activity during March													
6 M2.5+, 6 M2.5, and 20 M2+ similar-events not located													
750325	14 3	38.02	44-39.64	110-28.22	0.38	1.86	8	166	4.2	0.09	0.7	2.1	C1
750325	1828	31.25	44-44.77	111-13.56	8.17	2.27	13	131	2.5	0.10	0.5	0.7	B2
750326	0 4	19.92	44-39.44	110-27.63	3.69	1.32	6	178	3.5	0.08	1.7	3.8	C1
750326	1441	30.90	44-50.80	111-31.76	14.19	2.78	10	256	16.9	0.09	1.6	1.7	C3
750327	2052	26.34	44-30.66	110-0.16	6.88	2.15	12	175	2.3	0.43	3.5	2.8	C2
750328	1224	39.55	44-34.10	110-45.11	0.06	1.75	11	69	8.9	0.09	0.4	0.8	B2
750328	1319	39.47	44-45.15	111-12.71	9.55	2.37	11	119	1.3	0.04	0.3	0.4	B3
750330	510	7.31	44-40.02	110-42.53	1.57	2.55	15	76	7.1	0.10	0.4	1.0	B1
750330	13 7	20.91	44-39.31	110-41.84	1.71	2.11	11	67	7.4	0.05	0.2	0.5	B1
750331	17 2	44.29	44-28.21	111-17.39	4.83	1.48	10	97	5.1	0.07	0.6	1.4	B3
750401	1 2	54.57	44-23.55	110-14.99	7.73	1.75	9	111	10.8	0.10	0.7	2.8	B2
750401	23 9	17.44	44-42.21	110-44.11	1.87	2.25	12	88	4.5	0.10	0.5	1.0	A1
750403	1359	41.41	44-39.17	110-41.85	1.85	1.80	11	67	7.2	0.04	0.2	0.4	B1
750404	757	12.38	44-24.83	110-20.35	8.87	1.48	6	85	15.6	0.16	1.4	6.5	C3
750407	1228	29.69	44-47.60	110-50.76	1.07	2.21	7	159	13.2	0.03	0.3	0.4	B1
750411	3 8	0.02	44-47.90	110-55.87	7.60	1.68	10	130	7.4	0.07	0.4	0.5	B1
750414	845	03.53	44-6.91	110-38.84	1.43	1.95	6	215	2.8	0.03	0.6	0.4	C3
750415	628	57.82	44-5.95	110-38.75	0.43	2.13	9	219	4.5	0.14	1.5	1.6	C2
750415	1215	38.58	44-19.22	110-30.48	0.10	1.37	6	115	11.6	0.07	0.6	1.3	B2
750415	1651	35.57	44-41.10	110-36.68	2.10	1.49	9	106	8.2	0.04	0.2	0.5	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750420	750	4.77	44-42.80	111-0.46	6.52	2.34	10	147	5.1	0.10	0.7	0.9	B1
750420	1059	53.58	44-39.83	110-27.49	1.91	1.46	7	186	4.2	0.18	1.5	4.1	C1
750421	858	35.36	44-34.81	110-46.72	1.54	1.64	14	61	8.1	0.21	0.8	1.2	B2
750424	1524	50.31	44-42.45	110-43.98	2.67	2.20	11	92	4.1	0.08	0.4	0.8	B1
750426	1900	2.74	44-33.97	110-45.97	0.41	2.16	17	68	7.8	0.15	0.5	0.9	B2
1 similar M2 event not located													
750427	221	15.56	44-45.27	111-3.52	8.38	2.30	10	98	4.2	0.06	0.4	0.5	B1
largest of approximately 60 events in 10 hours													
750427	2143	19.07	44-41.01	110-42.56	1.52	2.90	17	54	5.4	0.07	0.2	0.4	B3
Largest event in this zone of activity during April													
1 M2.5+ and 8 M2+ similar-events not located													
750430	11 9	19.19	44-27.82	111-7.52	2.10	1.38	12	107	18.1	0.09	0.4	1.3	C2
750430	1647	18.76	44-39.65	110-33.23	0.53	1.92	12	97	9.4	0.08	0.5	0.7	B2
750430	1654	13.11	44-27.91	111-7.32	0.09	1.85	12	107	18.3	0.11	0.6	1.1	B3
750430	20 5	14.53	44-42.20	110-43.42	2.35	2.69	16	80	3.9	0.09	0.4	0.7	A1
750501	515	6.37	44-40.47	110-28.35	0.91	1.30	8	112	5.7	0.12	0.5	5.2	C1
750501	1140	44.22	44-39.24	110-33.34	0.41	1.31	8	117	8.8	0.20	1.2	7.4	C1
750502	556	29.91	44-42.57	110-44.43	0.52	1.63	12	98	4.4	0.09	0.4	1.4	B1
1 similar M2.5 event not located													
750502	1033	36.14	44-42.03	110-42.93	3.07	2.82	21	69	3.8	0.09	0.3	0.9	A5
Largest event in this zone of activity during May													
1 M2.5 and 9 M2+ similar-events not located													
750503	437	49.75	44-32.42	111-0.99	2.31	1.41	13	81	13.7	0.10	0.5	1.2	C2
750506	157	59.62	44-44.94	110-55.77	8.66	2.00	10	122	6.2	0.08	0.5	0.9	B1
750506	1435	13.14	44-39.59	110-33.00	0.85	1.68	9	111	9.0	0.09	0.5	1.5	B1
750506	2354	48.10	44-29.62	111-4.92	2.46	1.32	13	72	19.1	0.11	0.5	1.3	C2
750507	923	25.59	44-38.71	110-42.43	2.02	1.84	11	75	7.1	0.06	0.3	0.6	B1
750507	935	51.63	44-38.72	110-42.62	1.50	2.10	13	76	7.3	0.08	0.4	0.9	B1
750507	2013	13.49	44-44.90	110-59.37	6.28	2.18	10	109	1.8	0.07	0.5	0.7	B1
1 similar M2.5 event not located													
750509	1238	57.76	44-27.03	110-35.26	0.68	2.02	15	80	4.2	0.11	0.4	2.7	B3
largest of approximately 15 events in 30 minutes													
750512	653	25.92	44-46.34	110-48.86	2.72	2.24	11	109	10.7	0.07	0.7	1.8	B1
750512	730	44.63	44-19.14	110-45.18	0.21	1.49	9	281	16.4	0.54	22.0	4.4	D2
approximately 40 events in 30 minutes in first episode of swarm													
750512	1648	17.98	44-24.76	110-44.92	0.27	2.00	10	79	8.6	0.20	1.2	1.7	B2
largest of approximately 75 events occurring in 3 short episodes in 10 hours													
750512	1650	17.48	44-22.21	110-45.01	0.24	1.76	5	251	11.7	0.46	0.1	0.0	D2
750513	13 7	54.62	44-24.42	110-44.23	0.24	1.58	8	132	9.7	0.42	2.7	3.5	C2
750513	1425	24.06	44-26.21	110-49.15	0.73	1.06	4	277	2.5	0.10			C2
750513	1843	7.75	44-20.80	110-40.04	0.08	1.91	9	146	10.7	0.16	1.2	1.8	C2
750514	2029	8.21	44-42.98	110-49.62	1.84	2.20	8	115	8.0	0.04	0.3	0.4	B3
750515	1147	49.29	44-34.61	110-40.61	2.81	1.42	6	115	4.1	0.03	0.4	0.4	B3
750518	824	24.00	44-46.73	111-44.53	1.02	2.30	8	282	34.7	0.06	2.1	8.2	D2
750518	929	26.95	44-45.69	111-25.04	0.19	2.36	12	227	12.9	0.14	1.2	1.2	C2
750518	2335	42.87	45-8.09	110-32.08	9.67	2.31	10	213	43.5	0.06	1.1	7.1	D1
750519	627	21.09	44-14.42	110-45.46	0.31	2.27	10	176	13.7	0.19	1.3	4.9	C1
largest of approximately 15 events in 20 minutes													
1 similar M2 event not located													
750519	629	9.39	44-14.14	110-45.91	0.24	2.23	11	180	13.6	0.21	1.4	5.3	C1
750519	638	54.00	44-14.32	110-46.17	0.49	2.23	12	112	14.0	0.18	1.2	3.7	C2
750520	334	15.57	44-26.64	110-34.37	2.24	1.55	10	95	3.3	0.30	1.7	3.6	C1
750521	1913	48.37	44-46.69	111-0.80	7.60	2.10	12	118	2.2	0.07	0.4	0.6	B3
1 similar M2 event not located													
750521	2113	24.47	44-48.83	111-17.01	7.58	2.07	9	149	5.0	0.14	1.7	2.6	C3
750522	1057	57.26	44-48.14	111-40.68	1.25	2.05	8	275	29.2	0.09	2.7	13.1	D2
750523	029	50.91	44-45.72	111-8.87	5.19	2.15	13	58	4.0	0.11	0.5	0.9	A3
750524	624	26.68	44-24.86	110-25.11	0.57	2.49	17	81	10.8	0.12	0.4	0.7	B2
750524	636	12.14	44-25.00	110-25.24	0.13	2.83	18	81	11.0	0.11	0.4	0.6	B2
750524	713	44.30	44-24.97	110-25.32	0.62	1.66	8	96	11.9	0.09	0.3	14.1	C1
750524	716	49.84	44-24.97	110-25.57	0.51	2.26	10	176	11.5	0.09	0.6	14.0	C1
750525	1 2	27.48	44-39.51	110-40.92	2.14	2.95	16	63	7.0	0.09	0.3	0.5	B3
750603	8 1	45.09	44-43.31	110-50.77	2.38	1.95	9	117	8.2	0.04	0.2	0.6	B1
750604	219	46.84	44-44.71	111-6.11	5.25	2.15	9	209	5.7	0.09	0.9	1.2	C1
750605	1119	22.24	44-27.48	110-57.75	4.35	1.60	7	197	9.7	0.04	0.3	0.9	C1
750606	215	45.72	44-47.37	111-16.41	11.28	2.28	7	247	13.2	0.07	2.2	1.7	C1
750608	1832	20.40	44-41.01	110-42.60	1.88	2.78	13	54	5.4	0.08	0.3	0.5	B3
750608	2227	9.09	44-43.56	111-7.71	11.73	2.29	10	150	8.0	0.07	0.5	0.9	B3
750609	451	23.00	44-34.91	110-23.49	1.48	1.76	7	93	8.3	0.02	0.2	0.3	B3
750610	249	2.67	44-19.01	111-0.64	0.00	2.18	11	103	20.2	0.22	1.4	2.6	C2
750610	450	58.57	44-42.70	111-10.76	0.61	2.86	7	255	11.0	0.09	1.6	1.7	C1
750620	1038	2.12	44-41.00	110-45.92	1.18	2.13	9	84	7.8	0.13	0.8	1.9	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO GAP	DMIN	RMS	ERH	ERZ	Q
750620	1054	37.26	44-41.21	110-45.95	5.00	2.96	7 100	20.7	0.11	0.9	16.0	C1
PDE 45.0 111.2 M?												
largest of approximately 75 events in 2 hours												
1 M2.5+, 2 M2.5, 3 M2+, and 2 M2 similar-events not located												
750620	1113	43.71	44-42.05	110-47.14	0.57	2.43	11 98	8.1	0.37	1.8	6.9	C1
750620	12 8	12.88	44-41.63	110-46.72	1.33	2.55	9 95	7.9	0.10	0.6	1.6	B1
750620	1453	2.79	44-42.79	110-44.25	1.76	2.56	7 116	4.0	0.09	0.7	0.8	B1
750621	1148	54.23	44-23.10	110-36.75	0.11	2.17	10 81	4.6	0.29	1.5	2.4	B2
750622	1358	32.89	44-20.60	110-20.94	3.02	2.53	10 109	7.4	0.22	1.42	78.3	C2
750622	1431	36.92	44-20.88	110-20.57	2.43	2.77	11 163	6.7	0.24	1.6	2.0	C2
750622	1529	1.22	44-42.81	110-44.01	2.91	2.80	9 101	3.7	0.08	0.6	0.9	B1
750623	332	54.08	44-20.44	110-20.87	2.23	3.10	12 170	7.6	0.33	2.3	3.2	C2
750623	1824	9.43	44-42.84	110-44.18	1.79	2.27	9 102	3.9	0.09	0.6	1.2	B1
750623	1923	5.77	44-42.54	110-43.90	3.53	3.03	9 93	3.9	0.08	0.5	1.1	B1
PDE 44.9 111.1 M?												
2 similar M2 events not located												
750624	155	48.24	44-40.32	110-41.29	2.32	2.55	9 100	6.5	0.05	0.3	0.6	B1
750624	1330	10.86	44-41.12	110-42.89	2.50	2.20	8 132	5.3	0.05	0.4	0.6	B1
750626	244	10.83	44-40.49	111- 2.15	5.08	2.83	11 64	9.1	0.10	0.5	2.1	B3
750626	536	32.78	44-43.61	110-49.29	2.32	2.67	8 123	9.2	0.05	0.4	0.6	B3
largest of approximately 200 events in 48 hours												
7 M2+ and 5 M2 similar-events not located												
750626	546	8.85	44-43.21	110-49.40	4.30	2.45	11 118	8.5	0.17	0.9	4.3	B3
750626	647	40.60	44-43.96	110-49.51	1.80	2.53	12 126	9.7	0.20	1.0	1.3	B3
750626	914	33.89	44-43.96	110-50.19	1.44	2.32	11 100	9.5	0.08	0.5	0.6	B2
750627	1340	3.15	44-40.61	111- 1.86	4.51	2.94	12 65	9.4	0.12	0.5	2.8	B2
PDE 44.9 111.5 M?												
1 similar M2+ event not located												
750628	226	57.57	44-40.48	111- 0.76	6.70	2.53	9 73	9.4	0.12	0.7	2.2	B1
750628	13 5	28.02	44-42.34	111- 6.76	1.58	1.74	9 99	10.1	0.29	1.6	2.3	C3
750629	6 5	7.20	44-43.09	111- 5.63	8.11	2.38	9 84	8.3	0.10	0.7	1.3	B1
750629	1734	7.04	44-45.22	110-46.42	5.00	2.15	8 154	6.9	0.13	1.4	3.6	C1
750629	2036	55.63	44-43.25	111- 6.27	6.47	2.54	12 62	8.4	0.11	0.5	1.6	B2
750630	856	28.15	44-41.76	110-42.79	2.47	2.95	7 137	4.1	0.09	0.9	1.3	B1
Largest event until now in this zone of activity during June												
4 similar M2+ events not located												
750630	1019	32.24	44-41.77	110-42.68	3.17	2.58	7 139	4.1	0.10	1.0	2.2	C1
750630	1715	47.47	44-40.49	111- 1.32	6.62	2.50	9 69	9.5	0.10	0.6	2.0	B2
750630	1738	49.66	44-41.21	110-36.61	2.05	2.74	7 200	8.2	0.01	0.1	0.2	C2
750630	1748	39.26	44-41.11	110-36.86	2.72	2.40	8 106	8.0	0.04	0.3	0.8	B2
750630	1750	28.29	44-41.51	110-36.28	2.80	2.35	7 207	8.2	0.06	0.6	1.1	C2
750630	18 5	50.62	44-41.02	110-36.22	1.66		9 105	8.8	0.02	0.1	0.5	B2
750630	1824	PDE 44.8	110.5	M? ML3.5								
750630	1847	57.18	44-41.11	110-36.95	2.81	3.48	9 106	7.9	0.03	0.2	0.5	B2
PDE 44.8 110.5 M4.6 ML4.8												
750630	1854	12.76	44-40.84	110-37.22	1.46		6 197	19.2	0.06	1.1	25.3	D3
PDE 44.7 110.6 M5.6 ML6.1												
750630 1917 PDE 44.9 110.7 M? ML4.2												
750630	1944	46.49	44-41.59	110-39.88	1.71	2.56	9 95	4.7	0.03	0.2	0.5	B2
750630	1955	3.45	44-43.67	110-40.39	2.62	2.91	8 163	1.6	0.03	0.2	0.2	B2
750630 1956 PDE 44.7 110.5 M4.7 ML4.5												
750630 2020 PDE 44.7 110.6 M4.9 ML4.6												
750630	2036	54.24	44-39.31	110-39.76	2.44	1.92	9 80	8.7	0.02	0.1	0.3	B2
750630 2046 PDE 45.0 110.8 M? ML3.4												
750630	2115	23.51	44-40.17	110-36.41	2.78	2.64	9 92	9.6	0.04	0.2	0.8	B2
PDE 45.0 110.6 M? ML3.1												
750701	043	59.83	44-41.97	110-36.73	1.84	2.20	10 123	7.3	0.02	0.1	0.4	B2
750701	2 1	44.51	44-41.88	110-37.88	3.88	2.07	10 118	6.1	0.07	0.4	1.4	B2
750701	416	22.68	44-41.05	110-37.10	4.01	3.86	11 104	7.8	0.02	0.1	0.5	B2
PDE 44.9 110.6 M4.8 ML4.4												
750701	513	23.80	44-42.25	110-37.86	4.18	2.52	10 127	5.7	0.04	0.3	0.7	B2
750701	514	49.80	44-40.83	110-35.74	3.06	3.08	11 102	9.3	0.05	0.3	1.4	B2
750701	615	5.83	44-39.21	110-35.26	0.26	2.50	9 80	7.0	0.05	0.2	11.3	C2
750701	728	45.29	44-42.77	110-39.22	3.17	2.00	9 132	3.7	0.04	0.3	0.7	B2
750701	736	6.35	44-47.35	110-38.27	2.84	2.35	8 211	7.9	0.03	0.4	0.6	C2
750701	846	37.37	44-40.73	110-35.90	3.86	3.03	11 101	9.1	0.08	0.4	1.6	B2
750701	9 2	46.29	44-44.12	110-46.59	1.21	2.66	12 163	6.6	0.08	0.4	1.2	B2
750701	1155	4.64	44-40.92	110-36.23	2.80	2.54	10 104	8.9	0.06	0.3	1.0	B2
750701	12 7	12.93	44-45.00	110-37.57	1.23	2.47	8 182	5.7	0.07	0.6	1.3	C2
750701	1557	47.17	44-40.00	110-36.32	3.74	3.01	11 89	7.6	0.08	0.4	1.7	B2
PDE 44.8 110.7 M? ML3.4												
750701	1830	54.49	44-40.20	110-36.23	5.78	2.78	9 92	8.0	0.04	0.2	0.7	B2

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750701	19 0	3.65	44-39.66	110-39.65	4.75	2.42	9	73	6.7	0.05	0.3	0.8	B2
750702	125	33.72	44-40.52	110-34.30	2.62	2.23	8	95	9.6	0.03	0.2	1.5	B2
750702 0829 PDE 44.8 110.8 M4.6 ML3.3													
750702	936	54.29	44-40.66	110-35.04	2.15	2.74	10	99	9.4	0.04	0.2	1.3	B2
750702	1123	29.99	44-38.31	110-37.90	1.52	2.62	11	68	4.0	0.06	0.3	1.0	A2
750702	1131	56.31	44-33.06	110-27.08	0.08	1.56	10	86	3.0	0.17	0.8	46.7	B2
750702	1215	43.04	44-33.08	110-26.83	0.92	1.67	9	87	3.1	0.11	0.6	2.9	B2
750702	1625	10.93	44-41.01	110-34.62	0.68	2.79	9	104	9.2	0.06	0.2	4.8	B2
750702	1954	57.30	44-41.17	110-36.15	4.29	3.72	12	76	4.5	0.06	0.3	0.8	A4
PDE 44.7 110.6 M4.2 ML3.9													
750702	2013	9.80	44-51.78	111-31.62	10.59	3.20	14	258	16.7	0.13	1.5	1.9	C4
750702	22 3	30.95	44-32.69	110-28.11	0.79	2.38	10	135	2.4	0.36	1.8	9.0	C2
750702	2242	59.20	44-33.23	110-27.13	0.20	2.39	11	140	3.3	0.11	0.6	14.6	C2
750703	240	34.18	44-40.47	111- 1.50	6.51	2.32	10	67	9.5	0.10	0.5	1.9	B4
750703	321	34.22	44-40.76	110-35.09	0.14	3.46	11	74	6.0	0.14	0.6	7.5	C4
PDE 44.7 110.5 M4.5 ML3.8													
750703	451	36.14	44-40.90	110-35.17	5.00	3.00	11	73	5.8	0.12	0.5	1.6	B4
750703	736	11.00	44-51.24	111-30.33	9.49	2.49	13	287	15.0	0.12	1.7	1.8	C4
750703	10 5	49.53	44-41.22	110-36.30	5.12	2.11	11	79	4.3	0.07	0.4	0.8	A4
750703	1549	7.43	44-33.02	110-27.22	0.18	2.39	11	86	2.9	0.09	0.4	11.4	B2
750704	713	22.00	44-46.30	110-37.65	1.00	2.30	12	62	6.0	0.06	0.3	1.0	B4
750704	811	24.42	44-40.20	111- 1.46	2.89	2.91	11	135	10.0	0.08	0.5	1.1	B4
750704	1117	21.18	44-39.31	110-32.64	0.25	2.17	13	71	8.4	0.12	0.4	3.5	B4
750704	1557	16.09	44-42.60	110-42.80	1.87	2.72	15	69	2.8	0.09	0.3	0.7	A4
750704	1646	31.64	44-40.38	111- 1.45	5.00	2.55	12	68	9.4	0.12	0.5	2.5	B4
750704	1853	2.71	44-33.98	110-54.21	5.00	2.06	9	127	6.5	0.17	1.2	3.5	B4
750704	22 2	3.49	44-44.01	110-42.46	1.35	2.14	14	72	1.2	0.08	0.3	0.6	A4
750705	212	45.47	44-40.33	110-34.18	0.07	2.39	12	81	7.4	0.15	0.6	125.7	C4
750705	215	55.83	44-40.42	110-34.24	0.71	1.88	11	81	7.3	0.04	0.2	3.6	B4
750705	258	28.53	44-41.59	110-39.43	2.47	2.03	13	73	3.2	0.06	0.2	0.5	A4
750705	725	10.01	44-34.07	110-22.68	1.54	1.46	6	100	8.1	0.01	0.1	1.0	B1
750705	730	32.04	44-34.16	110-22.65	2.64	1.48	6	100	8.2	0.03	0.2	1.2	B1
750705	834	40.29	44-46.41	110-39.07	0.23	2.38	13	68	5.8	0.11	0.4	18.5	C4
750705	1659	29.51	44-38.05	110-37.63	0.94	2.37	13	53	3.6	0.08	0.3	1.5	A4
750705	1917	39.82	44-39.21	110-39.34	3.91	3.90	13	48	5.8	0.05	0.2	0.7	B4
PDE 44.7 110.6 M4.5 ML4.3													
750705	1948	18.49	44-32.91	110-23.62	0.47	2.29	6	176	5.9	0.16	1.6	28.2	C4
750705	20 8	29.98	44-39.51	110-39.88	3.55	3.39	15	52	6.5	0.04	0.2	0.6	B4
PDE 44.8 110.6 M3.5 ML3.5													
750705	2247	12.49	44-40.22	110-36.21	4.77	2.45	17	48	6.0	0.07	0.2	0.8	B4
750705	2353	4.88	44-39.96	110-40.36	4.03	2.24	15	56	6.5	0.07	0.3	0.9	B4
750706	017	47.06	44-38.92	110-39.08	5.00	2.69	12	55	5.2	0.13	0.6	1.4	B4
750706	227	56.68	44-33.08	110-23.90	0.65	1.69	6	177	5.7	0.09	0.8	10.6	C1
750706 0512 PDE 44.7 110.7 M?													
750706	759	37.69	44-47.28	110-40.98	1.31	2.16	13	71	6.5	0.10	0.5	1.5	B4
750706	817	11.16	44-41.80	110-51.62	2.03	1.97	12	84	5.4	0.14	0.6	1.5	B4
750706	830	46.50	44-38.85	110-39.22	4.11	2.28	14	49	5.1	0.06	0.2	0.7	B4
750706	834	2.44	44-39.67	110-39.78	5.76	2.75	15	51	6.7	0.09	0.3	0.9	B4
750706	1034	16.33	44-42.40	110-40.00	3.19	1.73	11	111	3.4	0.05	0.3	0.6	B4
750706	1551	34.57	44-42.10	110-38.21	3.37	1.90	11	122	5.5	0.05	0.2	0.8	B4
750706	1926	51.32	44-40.62	110-34.70	3.56	2.28	11	77	6.6	0.12	0.5	2.1	B4
750706	2112	56.69	44-38.52	110-39.14	5.85	2.88	12	71	4.5	0.09	0.4	0.9	A4
750707	051	28.14	44-39.01	110-39.43	6.34	3.05	12	98	5.4	0.07	0.3	0.9	B4
PDE 44.8 110.6 M4.3 ML3.6													
750707	052	50.75	44-39.04	110-39.78	2.19	2.8	6	109	7.8	0.06	0.8	4.7	B0
750707	054	46.97	44-38.85	110-39.12	4.35	1.95	5	122	7.9	0.06	0.9	3.3	C0
750707	137	58.27	44-39.23	110-32.62	1.89	2.50	12	89	8.3	0.07	0.3	1.4	B4
750707	747	35.91	44-38.68	110-39.02	6.06	2.20	13	54	4.7	0.08	0.3	0.9	A4
750707	1213	58.67	44-42.52	110-41.22	1.91	2.14	16	63	2.5	0.13	0.5	0.8	A4
750707	1220	14.11	44-38.56	110-39.00	5.00	2.29	15	49	4.5	0.26	0.9	2.5	B4
750707	1243	51.25	44-39.78	110-39.66	4.47	2.34	14	50	6.4	0.08	0.3	1.0	B4
750707	1342	36.31	44-40.75	110-34.64	0.90	2.02	14	59	6.4	0.08	0.3	1.3	B4
750707	16 5	12.93	44-38.54	110-38.48	3.69	2.17	14	56	4.4	0.07	0.3	0.8	A4
750708	430	32.56	44-42.99	110-44.22	0.41	2.20	15	75	3.8	0.15	0.6	2.2	B4
750709	255	45.43	44-38.29	110-38.43	1.08	3.03	16	56	3.9	0.17	0.6	2.8	B4
750709	13 0	11.85	44-34.92	110-27.27	2.92	1.93	14	67	5.1	0.14	0.6	1.9	B4
750709	1315	26.97	44-47.34	110-36.91	0.68	2.13	11	58	8.0	0.11	0.4	2.0	B4
750709	2047	25.91	44-41.00	110-36.92	3.86	2.50	15	61	4.3	0.13	0.5	1.2	A4
750710	333	29.46	44-41.49	110-38.40	3.54	2.68	16	52	3.0	0.14	0.5	1.1	A4
750710	412	23.82	44-38.69	110-39.19	1.76	2.29	14	56	4.8	0.06	0.2	0.8	A4
750710	425	5.09	44-41.75	110-38.01	2.90	2.18	16	53	2.5	0.12	0.4	0.6	A4
750710	712	18.93	44-38.23	110-38.09	1.64	2.01	12	58	3.8	0.06	0.3	0.8	A4

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750710	748	0.65	44-42.49	110-42.64	1.58	2.21	17	72	2.8	0.14	0.5	1.0	A4
750710	1338	34.89	44-45.51	110-37.32	1.67	2.09	13	60	4.6	0.12	0.5	1.2	A4
750710	1516	20.49	44-33.62	110-21.19	0.30	2.32	12	82	10.5	0.11	0.5	42.7	C4
750710	22 5	18.25	44-29.90	110-25.75	0.84	1.90	10	150	7.4	0.19	1.0	16.0	C4
750710	2318	32.11	44-40.46	110-40.04	4.92	2.61	18	52	5.4	0.09	0.3	0.8	B4
750711	053	52.72	44-42.05	110-39.60	2.02	2.54	18	46	2.6	0.10	0.3	0.6	A4
750711	129	47.64	44-40.42	111- 0.76	5.45	2.33	13	70	9.5	0.10	0.4	1.8	B4
750711	537	40.55	44-38.60	110-39.16	2.41	3.41	17	48	4.6	0.08	0.3	0.9	A4
PDE 44.7 110.7 M3.7 ML3.3													
750711	7 8	3.25	44-38.37	110-39.08	3.65	2.03	14	48	4.2	0.05	0.2	0.6	A4
750711	819	7.24	44-47.11	110-36.47	0.68	2.04	11	64	7.8	0.16	0.8	3.4	B4
750711	1022	55.95	44-38.41	110-37.50	3.00	2.52	18	55	4.3	0.09	0.3	1.1	A4
750711	1024	18.54	44-31.57	110-22.65	1.19	1.42	11	73	6.5	0.22	1.2	11.6	C4
750711	1424	36.95	44-38.45	110-38.96	5.00	2.24	14	49	4.3	0.10	0.4	1.0	A4
750712	523	34.08	44-42.52	110-38.35	4.24	2.03	13	50	1.1	0.07	0.3	0.5	A4
750712	940	40.90	44-42.31	110-38.82	3.26	2.51	19	48	1.7	0.11	0.4	0.7	A4
750712	1123	55.66	44-43.46	110-47.30	0.80	2.43	18	87	7.6	0.09	0.3	1.2	B4
750712	12 2	33.65	44-39.17	110-39.48	3.03	2.48	14	49	7.5	0.11	0.4	2.1	B4
750712	2051	23.39	44-38.53	110-38.89	3.56	2.42	16	49	4.4	0.05	0.2	0.6	A4
750713	854	38.66	44-45.26	110-52.30	1.94	2.29	12	107	10.6	0.05	0.2	0.5	B4
750713	959	19.25	44-40.14	110-40.45	1.72	1.93	11	57	7.0	0.17	0.8	2.1	B4
750713	10 1	6.83	44-39.83	110-39.86	3.84	3.65	19	51	6.4	0.07	0.2	0.7	B5
PDE 44.7 110.7 M4.4 ML3.8													
750713	10 7	44.98	44-38.85	110-39.39	2.75	2.95	17	48	5.1	0.07	0.2	0.7	B4
750713	10 9	42.72	44-38.76	110-38.93	5.00	2.31	17	50	4.9	0.12	0.4	1.6	A4
750713	1148	3.99	44-38.81	110-38.89	5.74	2.49	15	50	4.9	0.06	0.2	0.7	A4
750714	2037	58.78	44-38.76	110-39.16	4.09	2.68	14	70	4.9	0.05	0.2	0.7	A4
750715	1935	55.16	44-40.41	110-34.30	0.32	3.18	15	80	7.2	0.06	0.2	1.2	B4
750716	1116	9.17	44-39.27	110-39.29	3.22	2.38	13	54	5.9	0.09	0.4	1.3	B4
750717	1014	10.73	44-23.64	110-22.25	5.00	2.30	7	144	6.7	0.31	2.5	7.8	C2
750717	19 4	52.15	43-47.88	110-20.45	7.85	3.10	18	142	56.1	0.25	2.1	1.6	C4
750719	8 2	5.73	44-42.69	110-38.62	4.26	2.83	12	49	0.9	0.04	0.2	0.3	A4
750719	12 7	46.86	44-20.61	110-46.13	0.20	1.67	4	271	13.4	0.19			C1
750720	658	32.93	44-24.56	110-22.01	1.84	1.54	5	133	6.7	0.05	0.6	0.8	C3
750721	1051	4.31	44-40.66	110-36.25	2.56	2.18	13	95	8.8	0.12	0.5	0.7	B1
750721	19 8	8.82	44-42.84	110-38.25	4.65	2.59	13	105	4.8	0.10	0.5	1.1	B1
750722	1219	44.45	44-41.17	110-35.91	2.10	2.44	14	98	9.0	0.14	0.6	0.9	B1
750722	18 2	34.59	44-39.21	110-39.43	4.05	2.42	13	70	5.8	0.09	0.4	1.4	B1
750722	19 4	4.94	44-43.88	110-37.84	2.13	2.00	12	109	4.9	0.18	1.0	1.1	B1
750723	9 0	25.23	44-41.54	110-38.18	2.13	2.32	11	102	6.2	0.11	0.5	0.7	B1
750723	1540	42.67	44-32.56	110-24.34	0.07	2.04	8	241	4.7	0.15	1.4	1.4	C2
750723	1653	52.81	44-32.62	110-24.07	0.37	2.26	10	170	5.1	0.13	0.7	1.0	B2
750723	2049	4.99	44-45.15	110-42.19	0.90	1.99	14	111	2.6	0.14	0.8	1.2	B1
750724	8 0	9.01	44-43.62	110-46.55	3.07	1.80	10	124	6.6	0.15	1.0	19.9	C1
750725	353	15.11	44-46.43	110-35.25	0.81	1.96	7	182	7.9	0.08	0.9	1.0	C3
750725	11 7	5.18	44-36.54	110-23.67	2.36	1.86	4	237	4.5	0.00			C3
750725	2346	1.39	44-39.09	110-39.59	2.14	2.50	13	68	5.6	0.11	0.5	0.7	B1
750727	1 8	41.99	44-45.32	110-50.46	0.91	2.52	11	128	12.0	0.09	0.5	0.8	B3
750727	539	37.90	44-43.76	110-53.66	1.79	2.24	10	117	9.4	0.06	0.3	0.4	B3
750727	9 3	35.56	45- 8.50	111-42.72	5.00	2.40	8	314	44.8	0.25	6.6	9.4	D1
750727	1126	13.20	43-48.39	110-22.76	7.92	2.3	11	133	8.2	0.13	0.9	1.7	B5
750727	1314	56.73	43-48.40	110-22.70	8.18	2.3	12	133	8.3	0.14	0.9	1.6	B5
750731	13 8	23.84	44-43.03	110-44.15	1.63	2.41	12	108	3.7	0.12	0.6	0.8	B3
750801	2159	20.62	44-39.65	110-36.56	1.63	2.71	13	85	6.9	0.12	0.5	0.8	B3
750801	2244	2.30	44-45.34	111- 6.90	7.78	2.80	12	79	4.6	0.11	0.5	1.0	A5
750802	058	35.45	44-45.43	111- 6.76	7.92	2.67	11	82	4.4	0.11	0.6	1.1	A3
750803	648	40.97	44-45.39	111- 6.71	7.82	2.97	11	82	4.4	0.12	0.6	1.2	A3
1 similar M2+ event not located													
750803	20 0	6.33	44-40.27	111- 0.41	5.39	2.9	13	75	9.8	0.12	0.5	2.1	B5
largest of approximately 100 events in 12 days													
3 M2.5+ and 5 M2+ similar-events not located from 7-30 to 8-11													
750804	1952	52.66	44-25.92	110-21.04	4.09	1.35	4	171	6.8	0.00			C3
750806	2344	56.50	44-28.89	110-34.20	2.92	1.65	5	157	7.5	0.09	2.2	3.6	C3
750807	951	29.55	44-40.40	111- 0.91	4.19	2.61	15	72	9.6	0.12	0.5	3.0	B5
750809	119	5.90	44-38.25	110-34.08	0.03	1.92	8	71	6.9	0.05	0.3	0.8	B3
Develocorder off from 8-9 to 8-24 and out of focus from 8-24 to 9-12													
750810	1437	49.93	44-48.69	110-53.36	2.77	2.12	10	157	10.9	0.09	0.6	11.5	C3
750814	935	27.99	43-50.06	110-17.11	15.16	3.0	5	232	24.6	0.11	2.8	1.5	D5
750815	1737	55.24	44-42.60	111- 0.26	7.40	2.78	12	86	5.5	0.11	0.5	1.2	A3
750816	554	27.67	44-42.79	111- 0.07	8.39	2.55	10	90	5.2	0.11	0.6	1.4	A3
750816	1512	47.47	44-42.52	111- 0.08	8.32	2.46	9	93	5.6	0.11	0.7	1.4	B3

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
750817	1024	14.17	44-42.69	111-0.79	5.33	3.0	14	79	5.3	0.14	0.6	1.8	B5
PDE 44.7 111.1 M?													
largest of approximately 200 events in 72 hours													
1 M2.5 and 2 M2+ similar events not located													
750823	1249	23.81	44-38.98	110-39.60	2.32	3.24	14	67	5.5	0.09	0.4	0.5	B3
750823	1511	22.78	44-45.32	111-6.77	5.29	2.25	12	81	4.6	0.10	0.5	1.1	A3
3 similar M2+ events not located													
750827	624	7.27	44-47.28	110-48.46	0.73	2.39	11	112	11.1	0.11	0.6	1.0	B3
2 similar M2+ events not located													
750828	19 4	50.00	44-35.12	110-39.76	1.91	2.37	7	86	16.0	0.07	0.51	0.25	C3
750904	642	27.89	44-39.30	109-57.41	13.06	2.40	8	148	18.6	0.34	3.2	14.1	C3
750906	536	39.99	44-30.55	110-54.42	1.05	2.98	19	89	5.2	0.15	0.6	0.8	B5
750906	1217	5.71	44-46.73	110-52.97	1.89	1.77	11	143	10.0	0.06	0.4	0.6	B3
750907	1149	40.34	44-45.80	111-13.51	8.88	1.88	9	133	2.7	0.12	1.0	1.4	B3
750908	331	44.45	44-25.31	110-49.11	1.39	1.91	8	101	3.9	0.12	1.1	1.3	B3
750908	1125	34.32	44-36.98	110-48.81	1.51	2.00	7	93	5.0	0.08	0.6	0.8	B3
750908	1156	39.87	44-33.64	111-4.62	3.12	2.75	14	122	18.8	0.09	0.51	1.5	C5
PDE 44.2 111.3 M?													
1 similar M2+ event not located													
750909	644	26.76	44-33.53	111-4.84	10.18	1.99	9	201	5.4	0.07	0.7	1.1	C1
750913	240	45.26	44-43.28	111-4.52	8.27	1.85	11	77	6.9	0.10	0.6	1.2	A3
largest located of approximately 180 events in 6 hours													
1 M2.5 and 2 M2 similar events not located													
750917	1339	54.94	44-23.91	110-18.84	4.76	2.24	6	168	2.3	0.18	8.2	12.8	D1
750917	1913	34.98	44-23.02	110-19.58	4.90	2.18	6	207	3.3	0.06	1.0	1.1	C3
750918	849	2.65	44-24.76	110-25.16	0.83	1.52	8	111	10.8	0.05	0.3	0.5	B3
750918	923	48.85	44-24.77	110-25.19	0.79	1.53	8	111	10.9	0.06	0.4	0.6	B3
750919	337	4.71	44-39.97	110-59.98	5.00	2.22	13	77	10.2	0.11	0.5	2.4	C3
7 similar M2 events not located													
750919	631	51.64	44-38.97	110-44.37	5.23	1.78	8	101	9.5	0.09	0.7	2.6	B3
750921	035	27.49	44-49.50	111-24.16	9.41	2.69	12	231	7.5	0.08	0.9	1.0	C3
750922	730	46.78	44-40.20	111-0.57	4.52	2.70	11	74	9.9	0.10	0.5	3.6	B3
1 M2+ and 3 M2 similar events not located													
750923	2115	0.21	44-35.95	110-27.04	3.63	2.42	14	143	3.1	0.12	0.6	1.4	B2
750924	11 3	5.54	44-26.78	110-18.03	8.00	2.01	7	105	6.1	0.10	0.8	1.7	B3
750926	210	44.22	44-40.92	110-26.74	2.90	1.69	6	131	6.1	0.08	0.9	0.8	B3
750927	758	42.18	44-42.89	110-44.28	1.42	2.26	10	141	4.0	0.08	0.5	0.6	B3
751001	1136	55.23	44-42.89	110-38.20	3.12	2.62	11	127	4.8	0.17	1.1	4.2	B1
751002	1644	44.84	44-39.76	111-0.52	1.68	2.39	13	114	10.7	0.12	0.6	0.9	B4
751003	112	6.85	44-44.98	111-1.32	4.84	2.21	17	63	1.6	0.09	0.4	0.7	A4
751004	634	10.82	44-40.41	111-0.57	5.13	2.11	18	74	9.5	0.10	0.4	1.6	B4
751005	1040	12.07	44-11.12	110-18.90	1.80	1.63	7	285	14.0	0.11	4.6	1.8	D2
751007	926	52.24	44-45.52	110-37.01	2.52	2.00	11	114	6.8	0.16	1.0	1.0	B1
751007	2247	12.32	44-30.28	110-27.75	0.24	1.66	14	79	2.2	0.11	0.3	0.6	A2
751007	23 4	44.69	44-30.16	110-27.41	0.06	1.91	11	81	2.4	0.09	0.3	0.7	A2
751008	1 3	38.58	44-30.31	110-27.94	0.14	1.84	13	79	2.2	0.08	0.3	0.6	A2
751009	1134	41.57	44-48.32	110-31.92	3.48	1.61	8	161	7.4	0.07	0.7	3.5	C1
751009	1237	53.12	44-36.82	109-56.02	3.61	1.69	6	220	37.3	0.36	7.36	18.0	D1
751010	2 8	49.92	44-38.78	110-38.30	0.02	1.45	10	82	4.8	0.10	0.5	1.4	A1
751010	1012	7.20	44-47.90	110-55.77	0.56	2.15	15	108	7.5	0.11	0.4	0.7	B4
751012	511	20.67	44-43.81	111-9.70	9.75	1.78	13	49	6.6	0.10	0.4	0.9	A4
751012	1426	18.09	44-48.34	111-3.28	4.20	1.61	8	136	4.2	0.11	0.8	1.5	B2
751013	323	32.38	44-40.60	110-33.71	0.40	1.64	10	95	9.0	0.12	0.4	1.0	B1
751013	743	33.01	44-40.32	110-0.38	13.88	2.45	8	176	15.0	0.26	2.5	5.0	C3
751013	2247	19.87	44-31.77	110-36.22	0.16	2.13	19	59	8.6	0.15	0.3	0.7	B2
751014	23 0	16.70	44-48.48	111-30.04	11.52	1.66	8	119	12.1	0.05	0.4	0.9	B4
751015	056	8.18	44-48.37	111-30.16	11.30	1.55	8	118	11.9	0.04	0.3	0.7	B4
751015	612	39.70	44-48.22	111-30.13	11.86	1.85	11	108	12.0	0.10	0.5	1.3	B4
751015	1118	32.43	44-48.56	111-30.31	11.62	1.89	11	120	11.8	0.07	0.4	0.9	B4
751015	1434	29.50	44-41.07	110-34.27	3.01	1.96	11	104	8.8	0.13	0.61	16.4	C1
751017	456	52.46	44-44.19	111-11.01	10.59	1.76	11	81	5.4	0.10	0.6	1.0	A4
751017	1918	6.31	44-40.08	109-58.78	5.96	2.70	10	177	19.8	0.49	3.2	28.6	C4
751018	8 9	19.99	44-43.82	111-6.60	10.49	1.98	14	81	7.3	0.10	0.5	0.8	A4
751018	1645	45.67	44-48.38	111-39.39	7.36	2.04	11	176	0.9	0.09	0.8	0.8	B4
751018	2237	20.74	44-45.53	111-8.49	5.50	2.03	17	56	5.0	0.11	0.4	1.0	A4
751020	1437	29.69	44-37.11	110-37.55	0.30	1.80	10	95	13.5	0.10	0.6	1.2	B1
751021	23 8	45.60	44-48.38	110-57.56	5.71	2.07	9	139	6.4	0.08	0.5	1.3	B1
751023	127	24.01	44-47.06	110-48.23	0.94	1.89	11	143	10.6	0.08	0.5	0.7	B1
751023	136	19.39	44-47.06	110-48.32	0.90	2.23	21	108	10.7	0.08	0.3	0.5	B4
751023	1746	47.16	44-50.68	111-29.42	6.66	1.43	9	137	13.8	0.08	0.6	1.9	B4
751024	231	36.25	44-50.09	111-28.31	6.15	1.64	10	102	12.5	0.15	0.8	3.6	C4
751024	1848	49.51	44-36.77	110-32.58	0.21	1.31	6	116	7.7	0.12	0.8	2.4	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
751025	246	42.17	44-42.34	111- 4.00	7.17	2.10	13	52	7.6	0.09	0.4	1.1	B2
751025	1241	31.04	44-40.84	110-34.76	1.00	1.72	9	101	9.6	0.10	0.6	1.0	B1
751027	723	33.11	44-40.69	110-27.94	0.21	1.51	9	118	5.9	0.08	0.3	0.9	B2
751027	11 5	40.89	44-28.67	110-33.72	0.50	1.21	5	128	7.1	0.06	0.3	0.7	C1
751027	1958	22.27	44-41.01	110-35.05	1.60	1.53	7	105	9.6	0.02	0.2	0.2	B1
751029	10 7	30.08	44-28.71	111- 8.00	11.61	1.49	8	245	14.4	0.10	1.9	2.8	C1
751030	758	29.01	44-33.69	110-49.23	0.34	1.57	8	90	4.5	0.19	1.1	2.2	B3
751030	814	10.66	44-22.39	110-39.61	0.13	1.16	5	244	8.4	0.10	0.2	0.1	C2
751030	1618	35.36	44-40.61	110-40.05	5.13	2.34	14	75	6.3	0.12	0.5	1.5	B2
751031	120	20.16	44-27.33	110-42.64	0.13	1.10	6	199	10.4	0.26	0.4	0.6	C2
751102	1928	34.81	44-31.70	110-36.17	0.11	1.63	8	77	11.4	0.09	0.3	0.6	B1
751103	456	37.23	45-43.88	111-20.11	0.30	3.3	41	113	58.0	0.33	0.8	2.2	D5
PDE 45.8 111.5 M?													
751103	849	43.13	44-29.18	110-26.13	0.17	1.07	7	134	4.6	0.11	0.6	1.3	B1
751105	125	22.15	44-42.39	111-20.82	11.02	1.77	12	114	8.5	0.11	0.6	1.3	B4
751105	755	14.13	44-39.01	110-38.13	0.51	1.75	10	79	5.3	0.10	0.5	1.1	B1
751105	11 0	38.83	44-44.72	111-12.42	10.58	1.85	13	62	4.8	0.18	0.9	1.5	B4
751105	1313	1.05	44-27.46	110-46.00	0.33	1.28	5	191	6.0	0.04	0.7	1.5	C2
751105	1432	18.68	44-32.33	110-24.40	0.28	0.98	5	128	3.8	0.04	0.5	1.4	C2
751106	252	1.72	44-32.02	110-24.01	0.77	1.48	9	73	4.2	0.15	0.7	1.8	A2
751107	18 7	3.21	44-40.86	110-27.29	2.59	1.61	6	182	6.0	0.02	0.3	0.2	C2
751108	358	3.58	44-48.83	111-31.07	9.17	2.7	18	86	10.8	0.13	0.5	1.7	B5
751108	524	19.38	44-48.75	111-30.84	9.87	1.87	11	84	11.1	0.08	0.4	1.2	B4
751108	1850	45.12	44-46.35	111-40.27	6.46	2.15	14	147	3.3	0.16	0.8	1.3	C4
751108	2144	39.70	44-26.58	110-34.05	5.00	0.70	3	157	3.2	0.00			C1
751108	2159	45.32	44-27.40	110-33.90	0.15	1.05	7	83	4.7	0.09	0.6	1.8	A1
751109	329	23.79	44-52.08	111-30.39	12.64	1.57	10	104	13.9	0.12	0.8	2.4	B4
751109	553	12.37	44-39.74	111- 0.49	4.90	1.78	19	72	9.4	0.11	0.4	2.1	B4
751109	2013	50.00	44-41.55	110-36.74	2.30	2.26	12	112	7.7	0.08	0.4	0.5	B1
751110	253	59.12	44-47.48	111-20.66	9.00	1.73	15	54	7.1	0.13	0.5	1.2	A4
751110	325	14.65	44-45.32	110-48.73	1.69	1.85	9	105	9.8	0.08	0.5	0.7	B1
751110	424	34.35	44-51.81	111-33.29	10.33	1.63	9	124	10.6	0.10	0.7	1.8	B4
751112	526	3.63	44-49.26	111-31.41	7.31	1.96	5	196	10.6	0.03	1.1	1.4	C0
751112	1217	18.87	44-44.25	111-10.19	7.38	1.97	17	47	2.5	0.11	0.4	0.7	A4
751113	11 7	9.49	44-53.53	111-27.52	1.91	1.94	14	92	12.1	0.16	0.7	1.5	C4
751113	1237	54.55	44-35.53	110-26.86	0.10	1.60	9	71	3.9	0.10	0.5	1.8	A2
751114	1539	14.44	44-35.64	110-26.84	0.15	1.60	6	88	3.7	0.03	0.1	0.7	A2
751115	1348	2.12	44-43.79	110-47.36	3.64	1.78	8	128	7.6	0.04	0.3	2.1	B1
751115	2336	15.47	44-42.58	110-37.93	4.75	2.75	15	105	5.3	0.06	0.3	0.7	B1
751116	1115	4.66	44-46.78	111-20.96	10.49	1.88	9	244	8.5	0.10	1.9	2.0	C1
751116	1851	19.71	44-23.61	110-41.57	2.80	1.96	18	123	10.0	0.24	0.92	68.7	C2
751117	1 8	31.46	44-15.24	110-37.03	3.66	2.18	13	116	13.7	0.11	0.6	11.7	C2
751117	1230	54.58	44-43.71	111- 9.62	7.14	1.49	6	111	6.6	0.06	0.7	1.5	B1
751118	22 7	22.40	44-35.15	110-28.21	0.42	1.40	6	105	5.0	0.06	0.5	1.0	B2
751118	2235	48.56	44-34.92	110-27.70	0.40	1.44	7	91	5.2	0.19	1.1	2.0	B2
751122	726	9.84	44-43.40	110-52.30	1.01	2.27	18	115	8.4	0.10	0.4	0.6	B2
751122	23 7	57.05	44-51.65	111-27.16	5.37	2.07	14	280	10.8	0.13	1.7	2.7	C1
751123	743	5.82	44-22.51	110-46.20	3.27	1.20	5	270	10.3	0.19	13.31	08.6	D2
751124	12 1	10.45	44-30.40	110-22.76	1.13	1.80	6	110	6.7	0.11	1.1	1.8	B1
751125	9 3	15.82	44-30.85	110-23.04	0.42	1.93	6	188	6.1	0.11	1.4	1.8	C1
751125	9 4	24.95	44-30.39	110-22.64	0.14	2.65	16	57	6.8	0.13	0.4	0.7	B2
751125	920	53.11	44-30.41	110-22.32	0.11	2.82	17	58	7.1	0.15	0.5	0.9	B2
largest of approximately 140 events in 36 hours													
751125	1554	14.09	44-30.28	110-22.31	0.17	2.54	18	58	7.3	0.15	0.5	0.9	B2
751125	18 9	29.78	44-20.09	110-45.36	0.15	1.97	15	103	14.7	0.29	0.9	1.6	C2
751125	1817	30.72	44-20.15	110-45.62	0.15	1.42	8	101	14.5	0.15	0.7	1.1	B2
751125	2127	24.33	44-30.47	110-23.47	2.04	1.62	7	102	5.7	0.02	0.2	0.2	B2
751128	17 4	55.72	44-41.39	110-37.90	2.06	2.01	11	103	6.6	0.10	0.5	0.6	B1
751128	1834	27.11	44-46.91	110-48.32	1.52	1.89	11	111	10.6	0.07	0.4	0.6	B1
751129	558	29.11	44-42.71	110-41.08	3.50	2.2	14	78	2.2	0.07	0.3	0.6	A1
751129	1849	16.89	44-46.16	111- 1.77	6.55	1.74	9	185	2.2	0.07	0.7	0.8	C3
751129	2132	48.43	44-46.99	110-48.13	1.15	2.14	9	211	10.4	0.08	0.8	0.7	C3
751201	717	36.65	44-44.88	111- 3.39	6.36	1.94	14	81	4.2	0.10	0.4	0.9	A3
751201	1452	55.41	44-43.30	111- 1.85	0.31	2.54	7	144	4.6	0.10	0.6	1.2	B3
751202	1343	41.73	44-36.40	110-19.94	1.06	1.30	5	159	5.9	0.04	0.7	1.1	C2
751202	1344	24.82	44-45.85	111-19.07	11.87	1.71	14	176	8.7	0.10	0.7	1.0	B2
751205	11 6	35.14	44-45.32	111-10.71	6.50	2.78	14	65	1.4	0.11	0.5	0.9	A3
PDE 44.4 111.4 M?													
751207	155	2.34	44-35.50	110-51.83	1.85	1.83	17	66	6.3	0.13	0.5	0.8	B2
751207	2137	44.74	44-35.64	110-51.62	3.14	1.57	11	99	6.0	0.16	0.9	7.3	C1
751207	23 8	8.66	44-40.77	110-33.88	1.63	2.30	13	85	8.9	0.08	0.3	0.5	B1

YELLOWSTONE-HEBGEN LAKE EARTHQUAKES NOV. 1972 TO DEC. 1975(continued)

DATE	HRMN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q
751208	1523	42.92	44-35.49	110-51.68	2.36	1.97	17	40	6.3	0.16	0.5	0.8	B2
largest of approximately 30 events in 48 hours													
751212	1548	18.61	44-44.68	111-12.35	8.86	1.79	13	109	1.1	0.11	0.6	0.9	B2
751214	2314	48.94	44-27.73	110-59.65	0.57	1.84	9	226	12.2	0.18	2.7	1.9	D1
751214	2316	46.15	44-28.37	110-59.30	1.42	1.84	8	222	11.9	0.20	4.0	2.8	D1
751215	1438	7.78	44-25.51	110-26.47	0.74	1.09	5	264	10.4	0.11	5.6	2.0	D1
751216	1115	47.89	44-37.83	110-37.57	0.05	2.53	14	65	3.3	0.07	0.3	0.6	A1
751216	1627	23.67	44-50.22	110-56.76	2.79	2.30	10	193	9.9	0.09	0.91	21.7	D1
751216	1933	50.78	44-50.57	110-56.71	2.32	1.94	9	155	10.5	0.11	1.0	1.3	C1
751217	1726	24.66	44-43.90	111- 7.39	8.88	1.89	8	111	7.3	0.05	0.4	0.8	B1
751217	2020	30.41	44-41.33	110-40.69	5.06	1.91	13	72	4.8	0.17	0.8	2.0	B1
751218	728	13.46	44-38.37	110-28.20	2.83	1.19	5	160	2.4	0.09	1.5	0.9	C1
751220	523	17.21	44-39.28	110-32.57	0.60	1.36	9	75	8.3	0.23	0.8	1.6	B1
751221	644	52.87	44-19.76	110-46.06	0.10	1.56	4	177	14.9	0.03			C2
751221	1218	14.33	44-33.35	110-24.71	0.31	1.61	5	168	2.5	0.07	0.5	5.3	D2
751224	135	47.59	44-44.67	111- 1.58	7.15	1.96	15	57	2.3	0.09	0.4	0.8	A2
751224	1322	50.00	44-35.63	110-22.99	2.32	1.43	5	121	2.7	0.03	0.4	0.3	C2
751224	1628	45.86	44-30.97	110-23.27	1.95	1.44	8	107	5.8	0.05	0.4	0.5	B2
751224	1915	6.73	44-38.12	110-20.96	2.51	1.22	5	180	7.7	0.03	0.4	0.4	C2
751229	357	52.97	44-43.64	111- 6.46	11.51	2.3	14	65	7.4	0.10	0.5	0.9	A3

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