Lake Mead
Jan. - Sept.1950

International
Seismological
Centre

LAKE MEAD SEISMOLOGICAL STATIONS
INSTRUMENT REPORT
LOCAL EARTHQUAKES
January, February, March, 1950

The stations at Boulder City, Overton and Pierce Ferry operated on routine schedule throughout January, February and March 1950.

In the following report symbol I represents shocks with small trace amplitudes, II represents a fairly well recorded shock, III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

This report covers only such earthquakes that are of local interest; namely the listing and location when possible of all local shocks. Data on distant earthquakes and on regional shocks will be included in the Bulletins of the U. S. Coast and Geodetic Survey, which are issued quarterly.

Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
1	1-13-50	15:36:34.7	2½ miles SW of Hoover Dam
2	1-31-50	10:28:22.1	6 miles SW of Hoover Dam
3	2-6-50	18:33:43.4	7½ miles SW of Hoover Dam
4	3-13-50	11:07:18.2	3 miles N of Hoover Dam
5	3-22-50	06:44:40.2	3 miles W of Hoover Dam

The following shock was reported felt in the Lake Mead region; Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

No.	Date	G. C. T.	Intensity and Description
5	3-22-50	06:44:40.1	IV at Boulder City. Felt by many.

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF January 19 50 1.

Time used is GCT

M-1073-4

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
3	iP iS	03 43 40.0 41.7 Trace - 6½ mi NE		-10	-10	+												
3	iP iS	03 45 44.0 45.7 Trace - 6½ mi NE		-10	-10	+												
4														05 42 Trace - 3 mi				
7	iP iS	18 35 58.2 58.9 Trace - 1 mi SW		-10	-20	-							e	18 36.5				
8													3	Traces - 3 mi				
12		00 16 Trace - 5 mi											2	Traces - 3 mi				
12	e	22 41 53 Trace					iP	22 41 01					iP iS	22 41 00.2 10.6 Trace - 55 mi NE				
13		12 41 Trace - 5 mi																
13 (1)	iP iS	15 36 34.7 36.0 I Local - 4 mi E		+60	(+100)	-	iS	15 36 52.5 42 mi S EPICENTER NO. 1 2½ mi SW of Hoover Dam					i(P) iS	15 36 44.5 37 53.0 43 mi SW				
13														18 30 Trace - 3 mi				
14														00 29 Trace - 3 mi				

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF January 1950

Time used is GCT

M-1073-4

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
15		16 30 Trace - 5 mi																
15														19 05 Trace - 5 mi				
16	2	Traces - 6 mi																
16														10 30 Trace - 5 mi				
17 - 18	3	Traces - 5 mi																
19		16 18 Trace						16 18						16 18				
20		21 54 Trace - 1 mi																
21													3	Traces - 5 mi				
23		06 17 Trace - 3 mi																
23														09 12 Trace - 3 mi				
25		14 05 Trace - 5 mi																
27	iP iS	01 31 04.6 06.0 Trace - 5 mi NW	+	-10	+		(e)	01 30.9					e	01 31.2 Trace				
28														12 26 Trace - 3 mi				
29		00 04 Trace - 3 mi																

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF January 1950 and February

Time used is GCT

International Seismological Centre

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
29														10 31 Trace - 5 mi				
30		19 41 Trace - 2 mi																
31 (2)	iP iS	10 28 22.1 32.1 I Local - 2½ mi SSE		+20	-50	-	i(P)	10 27 31.5 45½ mi S EPICENTER NO. 2 6 mi SW of Hoover Dam					iP iS	10 28 33.4 42.5 47 mi SW				
February																		
2	2	Traces - 5 mi																
3													2	Traces - 5 mi				
4		05 46 Trace - 3 mi											e	05 46.5				
4		07 14 Trace - 3 mi											e	07 14.6				
4		07 33 Trace - 3 mi											e	07 33.5				
5													iP iS	21 56 41.3 42.8 Trace - 5 mi				
6		04 08 Trace - 3 mi																
6 (3)	iP iS	18 33 43.4 44.3 I Local - 2 mi S		+125	+50	+	iS	18 34 03.0 45½ mi S EPICENTER NO. 3 7½ mi SW of Hoover Dam					iP iS	18 33 54.8 34 03.8 47 mi SW				

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF February 19 50 4.

Time used is GCT

International Seismological Centre

M-1073-4

	BOULDER CITY							OVERTON							PIERCE FERRY						
No. Date	Phase	Time h m s	Period T	Trace Amplitude E	N	Z		Phase	Time h m s	Period T	Trace Amplitude E	N	Z		Phase	Time h m s	Period T	Trace Amplitude E	N	Z	
6		19 12 Trace - 5 mi																			
6	iP iS	21 54 54.0 55.2 Trace - 5 mi		?	?	-									e	21 55.5					
8		23 10 Trace - 5 mi																			
11		02 18 Trace - 5 mi																			
13	2	Traces - 5 mi																			
14		00 51 Trace - 5 mi																			
14																22 56 Trace - 5 mi					
15		08 59 Trace - 5 mi																			
16	2	Traces - 5 mi													e	03 38.5 Trace					
16		05 45 Trace - 5 mi													e	05 45.3					
16		08 01 Trace - 5 mi													e	08 01.5					
16		14 04 Trace - 3 mi																			
17		21 03 Trace - 5 mi													e	21 00.5					

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF February & March 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
18	2	Traces - 5 mi																
18														23 36 Trace - 5 mi				
19													3	Traces - 5 mi				
19	2	Traces - 5 mi																
22		10 50 Trace - 5 mi																
24	2	Traces - 5 mi																
25														07 30 Trace - 5 mi				
26		09 39 Trace - 5 mi																
28		22 54 Trace - 5 mi																
March																		
3														22 34 Trace - 5 mi				
6														13 35 Trace - 5 mi				
7														03 14 Trace - 5 mi				
8													2	Traces - 5 mi				
8		20 08 Trace - 5 mi																

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF March 1950

Time used is GCT

M-1073-4

Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
9		02 58 Trace - 5 mi																
10														17 44 Trace - 5 mi				
13 (4)	iP iS	11 07 18.2 20.1 I Local - 8 mi NE		+10	+10	-	eS	11 07 32.5 36 mi S EPICENTER NO. 4 3 mi N of Hoover Dam					iS	11 07 34.3 41 mi SW				
15		18 59 Trace - 5 mi																
16	e	08 55 49.0 Approx. 55 mi N					iP eS iS	08 55 43.9 48.0 49.0 Approx. 20 mi NW		?	?	?	iP	08 55 49.7 Approx. 55 mi NW		-	+	+
17													3	Traces - 5 mi				
18		07 12 Trace - 5 mi																
19													4	Traces - 5 mi				
20		23 24 Trace - 5 mi																
20														20 23 Trace - 50 mi				
21													2	Traces - 5 mi				
21		18 15 Trace - 5 mi																

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF March 1950 7.

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
22	iP	06 44 40.2		-?	-?	+	iP	06 44 49.5					iP	06 44 50.6		+	-	+
(5)	iS	41.4					iS	56.5					iS	58.5				
													iS	59.1				
		I Local - 4 mi NE						40 mi SW						44½ mi W				
								EPICENTER NO. 5										
								3 mi N of Hoover Dam										
25		10 25																
		Trace - 5 mi																
26	2	Traces - 5 mi																
27		04 58																
		Trace - 5 mi																
29														22 29				
														Trace - 5 mi				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS
INSTRUMENTAL REPORT
LOCAL EARTHQUAKES
April, May, June, 1950

The stations at Boulder City, Overton and Pierce Ferry operated on routine schedule throughout April, May and June 1950.

In the following report symbol I represents shocks with small trace amplitudes, II represents a fairly well recorded shock, III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

This report covers only such earthquakes that are of local interest; namely the listing and location when possible of all local shocks. Data on distant earthquakes and on regional shocks will be included in the Bulletins of the U. S. Coast and Geodetic Survey, which are issued quarterly.

Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
6	4-16-50	10:33:21.5	4½ miles West of Hoover Dam
7	5-7-50	08:36:26.6	8 miles SW of Hoover Dam
8	5-7-50	12:46:07.1	Same as No. 7
9	5-30-50	20:10:32.0	19 miles SSW of Hoover Dam
10	6-3-50	22:47:06.2	8 miles SW of Hoover Dam
11	6-5-50	19:02:50.8	7 miles SE of Hoover Dam
12	6-5-50	21:07:42.8	Same as No. 11
13	6-9-50	19:05:53.4	40 miles SE of Hoover Dam
14	6-22-50	10:27:02.3	2 miles SE of Hoover Dam

The following shocks were reported felt in the Lake Mead region; Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

No.	Date	G. C. T.	Intensity and Description
7	5-7-50	08:36:26.5	IV at Boulder City. Felt by many. No damage.
11	6-5-50	19:02:50.8	IV at Boulder City and Hoover Dam. Felt by many. No damage

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M-1073-4

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF April and May 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
1		06 32 Trace - 5 mi																
14														20 45 Trace - 5 mi				
16 (6)	iP iS	10 33 21.5 22.7 I Local - 3 mi NNE		-10	-30	+	e i(S)	10 33 34.0 39.0 41 mi SW EPICENTER NO. 6 4½ mi W of Hoover Dam					e(P) e(S) iS	10 33 32.0 40.5 41.0 45½ mi WSW				
24		02 14 Trace - 5 mi																
May																		
2	iP iS	16 05 29.7 30.3 I Local - 1 mi NE		+?	+?	-												
2		16 30 Trace - 1 mi																
2	iP iS	16 47 48.2 48.8 I Local - 1 mi NNE		+50	+10	-												
3		05 11 Trace - 5 mi																
5		16 40 Trace - 50 mi																

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF May 1950

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
7	iP	08 36 26.6		-	+	+	iP	08 36 38.0					iP	08 36 38.3				
(7)							iS	47.4					iS	46.9				
							iS	48.4					iS	47.3				
		II Local - 2½ mi S						46 mi SW						47½ mi SW				
								EPICENTER NO. 7										
								8 mi SW of Hoover Dam										
7	iP	08 37 48.5		-30	+90	+												
	iS	49.5																
		I Local - 2½ mi S																
7	iP	08 38 12.0		-30	+100	+												
	iS	13.0																
		I Local - 2½ mi S																
7	iP	12 46 07.1		-50	+200	+	i	12 46 30.4					eP	12 46 20.1				
(8)	iS	08.1					i	32.4					iS	29.0				
		I Local - 2½ mi S						46 mi SW						47½ mi SW				
								EPICENTER NO. 8										
								Same as No. 7										
7	iP	22 46 57.4		-10	+80	+							i	22 46 18.6				
	iS	58.4																
		I Local - 2½ mi SSE																
8	2	Traces - 2½ mi																
8	iP	23 00 50.4		-100	+150	+												
	iS	51.4																
		I Local - 2½ mi SSE																
10		17 10																
		Trace - 2½ mi SSE																
13	iP	03 29 54.0					eP	03 29 59.6					eP	03 30 01.8				
	i(S)	56.5											iS	09.8				
		Trace																

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF May 19 50 3.

Time used is GCT

M-1073-4

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
13	iP	13 23 20.2					e	13 23 26.3					eP	13 23 28.1				
	iS	22.7											iS	35.9				
		Trace												Trace				
15	2	Traces - 3 mi																
16		12 41																
		Trace - 3 mi																
17		05 01												05 01				
		Trace - 3 mi												Trace				
18														18 43				
														Trace				
20	3	Traces - 5 mi																
21		23 27																
		Trace - 5 mi																
22	iP	22 56 34.7		-	-	+							iP	22 56 45.1				
	iS	36.0											iS	53.5				
		I Local - 4 mi NE																
23	iP	11 29 02.7		+	-	-							iP	11 29 14.5				
	iS	06.2											iS	22.7				
		Trace - 17 mi SE												Trace				
24	3	Traces - 5 mi																
26		04 35																
		Trace - 10 mi																
27		19 55																
		Trace - 6 mi																
30	5	Traces - 5 mi																

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF May & June 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
30	iP	20 10 32.0		+40	-180	-	iP	20 10 42.8					iP	20 10 41.5				
(9)	iS	35.2					iS	55.2					iSZ	51.5				
							iS	59.8					iSN	51.7				
		I - II Local - 15 mi S						58 mi SSW						53 mi SW				
								EPICENTER NO. 9										
								19 mi SSW of Hoover Dam										
31		01 18																
		Trace - 3 mi																
June																		
3	iP	22 47 06.2		+160	+10	+	iS	22 47 25.7					iP	22 47 17.1				
(10)	iS	07.4											iS	25.5				
		I Local - 4 mi S						46 mi SSW						46½ mi SW				
								EPICENTER NO. 10										
								8 mi SW of Hoover Dam										
5		04 18																
		Trace - 4 mi																
5	iP	19 02 50.8		-660	+240	+	iP	19 02 59.4					iP	19 02 58.2				
(11)													iS	03 05.0				
		III Local - 9½ mi E						43 mi S						38½ mi W				
		Felt						EPICENTER NO. 11										
								7 mi SE of Hoover Dam										
5	iP	21 07 42.8		-50	+20	+	iP	21 08 51.6					iP	21 07 50.0				
(12)	iSN	44.9					iS	59.1					iS	57.8				
		I Local - 9½ mi E						38 mi S						37½ mi W				
								EPICENTER NO. 12										
								Same as No. 11										
7	-	06 58																
		Trace - 4 mi																
7		21 58																
		Trace - 9 mi																

International Seismological Centre
M-1073-4

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF June 19 50 5.

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
8		19 19 Trace - 5 mi																
9		08 54 Trace - 5 mi																
9 (13)	iP iS	19 05 53.4 06 02.8 50 mi SE		-	+	+	iP iS	19 05 56.2 06 08.2 60 mi SE EPICENTER NO. 13 40 mi SE of Hoover Dam					iP iS	19 05 47.2 52.6 II Local - 25 mi S		+30	+200	+
10		08 40 Trace - 4 mi																
12		13 31 Trace - 20 mi																
12 - 13	7	Traces - 5 mi																
15														18 00 Trace - 10 mi				
18	iP iS	14 19 23.4 25.5 Trace - 10 mi					i	14 19 44					i	14 19 20				
22		07 58 Trace - 20 mi																
22 (14)	iP iS	10 27 02.3 04.0 I Local - 6½ mi ENE		-	-	+	i iS	10 27 12.5 18.5 40 mi S EPICENTER NO. 14 2 mi SE of Hoover Dam					iP i(S)	10 27 10.9 19.6 40 mi E				
22	16	Traces - 5 mi																

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF June 19 50 6.

Time used is GCT

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No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
22	4	Traces - 20 mi																
23		16 57 Trace - 5 mi																
24	iP iS	00 20 33.2 45.9 I Local - 70 mi		-	-	-	iP	00 20 32.5					iP iS	00 20 31.1 59.5 80 mi				
27		23 17 I Local Probably same area as shock of June 24 at 00:20						23 17						23 17				
29	2	Traces - 5 mi																
30	2	Traces - 5 mi																

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS
INSTRUMENTAL REPORT
LOCAL EARTHQUAKES
July, August, September, 1950

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Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
15	7-4-50	02:52:07.0	5½ miles SW of Hoover Dam
16	7-5-50	17:06:10.5	4½ miles NW of Hoover Dam
17	7-13-50	11:42:04.2	3 miles NW of Hoover Dam
18	7-13-50	11:42:34.5	Same as No. 17
19	7-13-50	11:45:41.7	Same as No. 17
20	7-13-50	17:03:23.6	Same as No. 17
21	7-14-50	14:39:56.1	1½ miles WNW of Hoover Dam
22	7-14-50	20:26:50.6	5½ miles SW of Hoover Dam
23	7-15-50	03:53:41.7	3 miles W of Hoover Dam
24	7-17-50	00:05:35.8	4.8 miles W of Hoover Dam
25	7-25-50	03:14:50.1	6 miles SW of Hoover Dam
26	8-7-50	04:47:48.1	4 miles N of Hoover Dam
27	8-23-50	16:48:16.8	7 miles SW of Hoover Dam
28	8-24-50	22:58:29.2	6 miles NNW of Hoover Dam

The following shocks were reported felt in the Lake Mead region; Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

No.	Date	G. C. T.	Intensity and Description
15	7-4-50	02:51:49.7	I at Boulder City. Felt by one. No damage.
	7-4-50	15:04	" " "
	7-7-50	06:00:00	" " "
	7-11-50	11:03:10.1	" " "
17	7-13-50	11:42:08.7	IV at Boulder City and Hoover Dam. Felt by many. Rattled windows. No damage.
18	7-13-50	11:42:39.2	" " "
19	7-13-50	11:45:46.1	III at Boulder City and Hoover Dam. Felt by several. No damage

International Seismological Centre

21	7-14-50	14:39:59.9	IV at Boulder City and Hoover Dam. Felt by many. Rattled windows. No damage.
22	7-14-50	20:26:54.1	III at Hoover Dam. Felt by several. No damage.
23	7-15-50	03:53:45.3	III at Boulder City and Hoover Dam. Felt by several. No damage.
25	7-25-50	03:14:50.4	IV at Boulder City. Felt by many. Rattled windows. No damage.
27	8-23-50	16:48:16.7	" " "
	8-23-50	16:48:17.0	" " "

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 1950

Time used is GCT

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1	iP	18 20 12.6				+	e	18 20.8					e	18 20.2				
	iS	13.7																
		Trace - 3 mi																
1	iP	19 16 54.0				+	e	19 17.2					e	19 16.8				
	iS	55.0																
		Trace - 3 mi																
2		05 38																
		Trace - 5 mi																
2	iP	10 11 05.6					e	10 11 29.0					e	10 11 18.1				
	iS	06.6																
		Trace - 3 mi																
2	iP	10 11 36.7				+	e	10 11 52.5					e	10 11 50.9				
	iS	37.7																
		Trace - 3 mi																
2		13 28																
		Trace - 3 mi																
2	iP	13 30 32.8				+	e	13 30 54.9					e	13 30 52.5				
	iS	33.3																
		Trace - 1 mi																
2	iP	18 33 22.0											e	18 33 43.0				
	iS	22.6																
		Trace - 5 mi																
2	iP	21 49 55.7				+	e	21 50 18.4					e	21 50 05.6				
	iS	56.7																
		Trace - 3 mi																
3														05 00				
														Trace - 10 mi				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 1950

Time used is GCT

M-1073-4

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
3													iP iS	05 38 49.6 51.6		?	?	-
														Trace - 8 mi				
3							i	10 38 00.7					iP iS	10 37 49.6 51.5		?	?	-
														Trace - 8 mi				
3														12 27				
														Trace - 10 mi				
3		20 28																
		Trace - 5 mi																
4 (15)	iP iS	02 52 07.0 08.0		-10	+5	+	i iS	02 52 17.6 25.6					i(P) iS	02 52 19.2 26.4				
		I Local - 1 mi ESE						43½ mi SW EPICENTER NO. 15 5½ mi SW of Hoover Dam						45½ mi WSW				
4 - 5	6	Traces - 2 mi																
4	e(P) iS	14 45 17.0 19.5					e	14 45 21.9					e(P) i(S)	14 45 20.5 27.3				
		Trace - 10 mi																
4	i	15 04 44.3					iP iS	15 04 53.6 05 02.6					Event occurred during record change					
		II Local Event occurred during record change																
4	e	17 55 17.9					e	17 55 11.9					e iS	17 55 19.5 25.5				
		Trace						Blast?										
5 (16)	iP iS	17 06 10.5 12.3		-21	-96	+	i(P) iS	17 06 20.9 25.2					iP iS	17 06 19.5 27.5		+	+	+
		II Local - 7 mi NNE						37 mi SSW EPICENTER NO. 16 4½ mi NW of Hoover Dam						43 mi W				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 1950

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
5 - 6	2	Traces - 5 mi																
7	iP iS	06 00 20.1 21.7 I Local - Felt		?	?	?							i(P) iS	06 00 33.6 40.1 Trace				
7	i(P) iS	20 01 07.6 10.1 I Local		+	(-)	-	i(S)	20 01 15.8					iP iS	20 01 11.3 17.8				
8	4	Traces - 3 mi																
9		00 28 Trace - 3 mi																
9	e	16 10 55.9 Trace					i	16 11 06 Trace					iP iS	16 11 00.4 07.1 Trace - 36 mi (NW)		(+)	-	+
11	iP iS	11 03 04.0 05.2 I Local - 4 mi (NW) - Felt		(+)	-	-	iP	11 03 14.3					iP iS	11 03 14.4 23.2				
11 - 12	4	Traces - 5 mi											2	Traces - 40 mi				
12		05 05 Trace - 3 mi																
12														09 39 Trace - 25 mi				
13 (17)	iP iS	11 42 04.2 05.4 II Local - 4 mi NNE		+45	+220	-	iP iS	11 42 13.2 22.0 40 mi SW EPICENTER NO. 17 3 mi NW of Hoover Dam					iP iS	11 42 14.2 22.9 44½ mi WSW				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
13 (18)	iP iS	11 42 34.5 35.7 II Local - 4 mi NNE		?	?	-	iP	11 42 48.8 40 mi SW EPICENTER NO. 18 Same as No. 17					iP iS	11 42 44.4 53.0 44½ mi WSW				
13 (19)	iP iS	11 45 41.7 43.0 I Local - 4 mi NNE		+10	+35	-	e(P) iS	11 45 51.0 46 02.8 40 mi SW EPICENTER NO. 19 Same as No. 17					iP iS	11 45 51.5 46 00.2 44½mi WSW				
12 - 13	7	Traces - 5 mi																
13 - 14	12	Traces - 5 mi					1	Trace					2	Traces				
13 (20)	iP iS	17 03 23.6 24.9 I Local - 4 mi NNE		+20	+40	-	e(S)	17 03 40.6 40 mi SW EPICENTER NO. 20 Same as No. 17					iP iS	17 03 35.5 42.2 44½ mi WSW				
14 (21)	iP i(S)	14 39 56.1 57.3 III Local - 4.8 mi ENE Felt		+720	+570	-	i iP iS	14 40 04.9 05.2 11.7 39.8 mi SW EPICENTER NO. 21 1½ mi WNW of Hoover Dam					iP iS	14 40 05.9 14.2 43 mi W				
14 - 15	15	Traces - 4 mi																
14	iP iS	18 34 04.5 05.8 I Local - 4 mi NNE		+10	+56	-							eP iS	18 34 14.4 23.0 43½ mi W				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
14 (22)	iP iS	20 26 50.6 51.6 I Local - 2½ mi SE		-20	+16	+	iP iS	20 27 01.1 09.1 39.8 mi SW EPICENTER NO. 22 5½ mi SW of Hoover Dam					iP iS	20 27 00.9 10.4 46 mi WSW				
15 (23)	iP iS	03 53 41.7 42.9 II Local - 3.7 mi NE		+272	+292	-	iP iS	03 53 51.0 58.5 40.2 mi SSW EPICENTER NO. 23 3 mi W of Hoover Dam					iP iS	03 53 51.8 54 00.5 44 mi WSW				
15	iP iS	04 12 18.7 20.0 I Local - 4 mi NNE		+63	+154	-							iS	04 12 37.4 43½ mi W				
15	iP iS	09 53 14.7 15.7 I Local - 2½ mi NE		-	-	+	e	09 53.5					e	09 53.5				
15	iP iS	15 36 03.4 04.4 I Local - 2½ mi NE		-	-	+							e	15 36.2				
15 - 16	9	Traces - 3 mi											2	Traces				
17 (24)	iP iS	00 05 35.8 36.8 I Local - 2½ mi NE		-	-	+	eS	00 05 53.6 41½ mi SSW EPICENTER NO. 24 4.8 mi W of Hoover Dam					iS	00 05 55.4 45.8 mi WSW				
17 - 18	4	Traces - 5 mi																
18	e	04 00.5 Trace					e	04 00.5					e	04 00.5				

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July 1950

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
18	iP iS	14 49 44.7 46.0																
	Trace - 4 mi NE																	
18	iP iS	16 43 12.1 13.4		-	-	+	e	16 43 33.0					e	16 43 22.6				
	Trace - 2 mi NE																	
19		14 37																
	Trace - 4 mi																	
20	2 Traces - 5 mi																	
20	e(P) iS	10 27 17.1 18.9		?	?	?	e	10 27.5					e	10 27.4				
	Trace - 7 mi																	
21		02 37																
	Trace - 5 mi																	
22		02 27																
	Trace - 4 mi																	
23		04 37																
	Trace - 4 mi																	
23		20 15																
	Trace - 4 mi																	
25 (25)	iP iS	03 14 50.1 51.1		+58	-65	-	iP iS	03 15 00.5 09.0					iP iS	03 15 00.9 09.8				
	II Local - 2½ mi SE							45 mi SSW EPICENTER NO. 25 6 mi SW of Hoover Dam						46 mi WSW				
25	eP iS	03 50 26.3 27.3											e	03 50 36.9				
	Trace - 2½ mi																	

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF July & August 19 50

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
27		06 53 Trace - 5 mi																
31		08 48 Trace - 3 mi																
August																		
1	e	02 25 15.5 Trace					e	02 25 08 Trace					iP iS	02 25 03.4 12.0 I Local - 45 mi SW		(-)	+	+
1	3	Traces - 3 mi																
1													2	Traces - 5 mi				
5	iP iS	06 40 15.2 16.6 Trace - 3.8 mi NE		+10	+38	-												
7 (26)	iP iS	04 47 48.1 50.1 I Local - 8.1 mi NE		+70	+122	-	iP iS	04 47 55.3 48 02.0 36 mi SW EPICENTER NO. 26 4 mi N of Hoover Dam					iP iSN	04 47 56.6 48 04.6 41.2 mi W		+18	+0.5	+
7 - 8	10	Traces																
9														10 27 Trace - 5 mi				
12	e	02 52 59.9					i	02 53 23.5					iP iS	02 53 15.8 18.2 I Local - 10½ mi SW		-20	-5	-
12														03 55 Trace - 5 mi				
12		06 59 Trace - 5 mi																

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF August 1950
Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
16		08 52 Trace - 5 mi																
17	e	07 37 22.9					e i(S)	07 36 59.8 37 06.8					iP iS	07 36 55.9 37 06.8 Trace - 54 mi				
17		18 36 Trace - 3 mi																
18													2	Traces - 5 mi				
19														18 02 Trace - 3 mi	SW	-	-	-
20														09 27 Trace				
21	2	Traces - 5 mi																
22		04 33 Trace - 5 mi NE		+	+	-												
23 (27)	iP iS	16 48 16.8 17.6 II Local - 1.3 mi S - Felt		+124	-318	-421	(P) iS iS	16 48 29.5 36.0 37.5 44½ mi SW EPICENTER NO. 27 7 mi SW of Hoover Dam					iP iS	16 48 28.6 37.7 47.9 mi SW				
23 - 24	7	Traces - 3 mi																
24 (28)	iP iS	22 58 29.2 31.3 I Local - 8.7 mi NNE		+10	+22	-	i iS	22 58 33.7 42.7 35.3 mi SSW EPICENTER NO. 28 6 mi NNW of Hoover Dam					iP iS iS	22 58 37.7 45.6 45.8 42.5 mi W				

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF August and September 1950

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
25		01 19																
		Trace - 5 mi																
26	iP	09 52 54.7		-18	+67	+	i(S)	09 53 16.1					e(P)	09 53 06.3				
	iS	55.7											iS	15.3				
		I Local - 2½ mi SE																
26		11 20																
		Trace - 5 mi																
26	iP	17 43 11.1		?	?	+							e	17 43 20.2				
	iS	13.3																
		Trace - 9 mi																
27	iP	02 42 55.2				-	iP	02 42 45.2					iP	02 42 43.0		(+)	+	-
	iS	43 07.3					i(S)	52.1					iS	49.0				
		Trace						Trace						I Local - 31 mi (NE)				
28	3	Traces - 3 mi																
29		07 24																
		Trace - 5 mi SE																
31		15 37																
		Trace - 3 mi																
September																		
1		13 24																
		Trace - 3 mi																
1		17 19																
		Trace - 5 mi																
3 - 4	2	Traces - 5 mi																

International Seismological Centre

LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF September 1950 10.

Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
5														01 30 Trace				
5		16 58 Trace - 5 mi																
6		13 36 Trace - 5 mi																
12														06 09 Trace - 5 mi				
12		12 46 Trace - 5 mi																
14		05 39 Trace - 3 mi																
15	4	Traces - 3 mi																
18		05 53 Trace - 5 mi																
20							iP iS	15 05 51.7 55.0 I Local - Blast?										
20	iP	16 47 08.1 Trace - 5 mi 44 mi NNW In Las Vegas Mts.					i(P) iS	16 47 01.5 10.7 Trace - 31 mi WNW					iP iS iS	16 47 09.9 19.6 20.6 51½ mi NW		+10	(-15)	+
21		22 56 Trace - 10 mi						22 57										
22														21 55 Trace - 3 mi				

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LAKE MEAD SEISMOLOGICAL STATIONS

Bureau of Reclamation, National Park Service
and Coast and Geodetic Survey

MONTH OF September 19 50 11.
Time used is GCT

No. Date	BOULDER CITY Phase	Time h m s	Period T	Trace Amplitude E	N	Z	OVERTON Phase	Time h m s	Period T	Trace Amplitude E	N	Z	PIERCE FERRY Phase	Time h m s	Period T	Trace Amplitude E	N	Z
23							iP i(S)	21 26 37.7 41.3 Trace - 17 mi					iP	21 26 46.1				
26	iP iS	13 48 21.7 22.6 Trace - 2 mi	NW	+60	-105	+	e	13 48 43					e	13 48 40.5				
27													e	10 40.3 Trace				
28		12 27 Trace - 5 mi																

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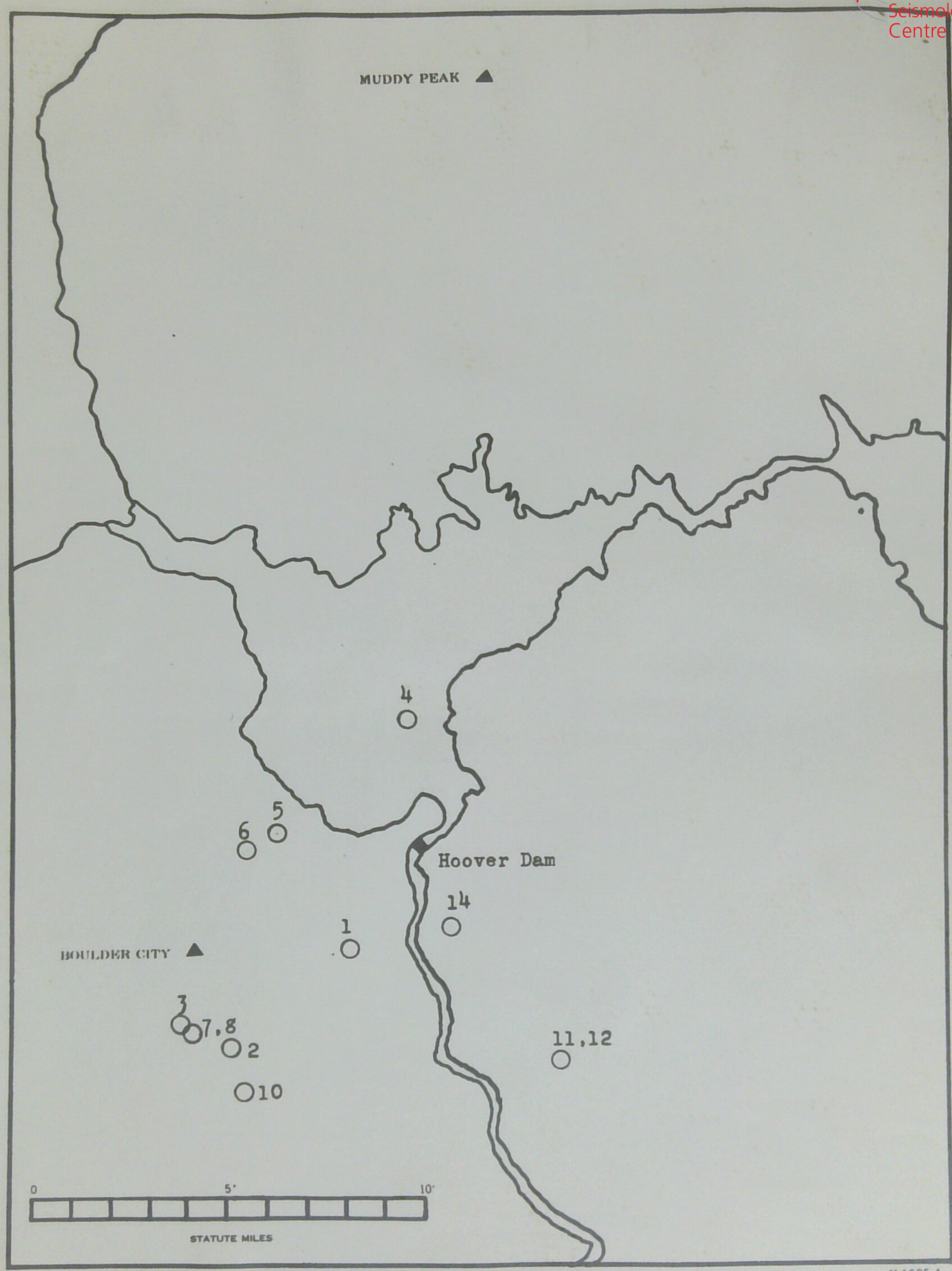

TENTATIVE EPICENTERS - JANUARY - JUNE 1950