

DRAFT  
ENVIRONMENTAL IMPACT REPORT  
*Mountaingate*

Vesting Tentative Tract No. 53072

**VOLUME III**  
**APPENDICES**

Los Angeles City EIR 99-3251-SUB  
**State Clearinghouse No.**

J U L Y 2 0 0 3

**DRAFT**  
**ENVIRONMENTAL IMPACT REPORT**  
*Mountaingate*

**Vesting Tentative Tract No. 53072**

**VOLUME III**  
**APPENDICES**  
Volume III of III

**Los Angeles City EIR 99-3251-SUB**  
**State Clearinghouse No.**

Lead Agency:

**City of Los Angeles**  
Department of City Planning  
Environmental Review Section  
200 N. Spring Street, Suite 763  
Los Angeles, California 90012

Applicant:

**Castle & Cooke, Inc.**  
300 W. Potrero Road  
Thousand Oaks, California 91361

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30343 Canwood Street, Suite 210  
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**X. APPENDICES**  
**Volume III of III**

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# TABLE OF CONTENTS

## Section

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### X. APPENDICES

#### Volume II of III

- A. Geotechnical Assessment (through Appendix E)

#### Volume III of III

- A. Geotechnical Assessment (from Appendix F)
- B. Air Quality Assessment Data
- C. Psomas Report
  - 1. Sewer Study
  - 2. Water Study
  - 3. Hydrology Study
- D. Biota
- E. Noise Data
- F. Traffic Analysis Report
- G. Phase I Archaeological Survey/Paleontological Records Search Results
- H. Initial Study and NOP Comment Letters

**APPENDIX A**

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**Geotechnical Assessment**

GEOTECHNICAL INVESTIGATION REPORT  
2<sup>ND</sup> REVISED DETAIL VESTING TENTATIVE TRACT MAP NO. 53072  
(SCALE OF 1 INCH = 100 FEET)  
CITY OF LOS ANGELES, CALIFORNIA

Prepared for:

**Castle & Cooke California, Inc.**

300 West Potrero Road  
Thousand Oaks, California 91361

Volume 2 of 2

Project Number 030381-002

March 18, 2003



**APPENDIX F**  
**SEISMIC HAZARD ASSESSMENT**



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\* E Q F A U L T \*  
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\* Version 3.00 \*  
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DETERMINISTIC ESTIMATION OF  
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 030381-001

DATE: 12-03-2001

JOB NAME: Castle & Cooke, **Western ridge**

CALCULATION NAME: Ccmeq

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:

SITE LATITUDE: 34.1050

SITE LONGITUDE: 118.5073

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 2) Boore et al. (1997) Horiz. - NEHRP C (520)

UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0

DISTANCE MEASURE: cd\_2drp

SCOND: 1

Basement Depth: 5.00 km Campbell SSR: Campbell SHR:

COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 0.0



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EQFAULT SUMMARY  
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DETERMINISTIC SITE PARAMETERS  
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Page 1

ABBREVIATED FAULT NAME	APPROXIMATE		ESTIMATED MAX. EARTHQUAKE EVENT		
	DISTANCE		MAXIMUM	PEAK	EST. SITE
	mi	(km)	EARTHQUAKE	SITE	INTENSITY
			MAG. (Mw)	ACCEL. g	MOD. MERC.
SANTA MONICA	2.1	( 3.4)	6.6	0.409	X
NORTHRIDGE (E. Oak Ridge)	3.2	( 5.1)	6.9	0.428	X
MALIBU COAST	3.3	( 5.3)	6.7	0.380	X
HOLLYWOOD	4.4	( 7.1)	6.4	0.286	IX
NEWPORT-INGLEWOOD (L.A. Basin)	9.1	(14.7)	6.9	0.199	VIII
PALOS VERDES	9.6	(15.5)	7.1	0.213	VIII
VERDUGO	11.4	(18.4)	6.7	0.186	VIII
ANACAPA-DUME	13.0	(21.0)	7.3	0.232	IX
COMPTON THRUST	13.4	(21.5)	6.8	0.175	VIII
SIERRA MADRE (San Fernando)	13.4	(21.6)	6.7	0.166	VIII
SANTA SUSANA	13.8	(22.2)	6.6	0.154	VIII
RAYMOND	16.3	(26.3)	6.5	0.129	VIII
SIERRA MADRE	16.8	(27.1)	7.0	0.164	VIII
ELYSIAN PARK THRUST	17.1	(27.5)	6.7	0.139	VIII
HOLSER	18.6	(29.9)	6.5	0.117	VII
SAN GABRIEL	18.8	(30.3)	7.0	0.124	VII
OAK RIDGE (Onshore)	20.8	(33.5)	6.9	0.133	VIII
SIMI-SANTA ROSA	21.0	(33.8)	6.7	0.119	VII
CLAMSHELL-SAWPIT	27.2	(43.7)	6.5	0.088	VII
SAN CAYETANO	27.2	(43.7)	6.8	0.103	VII
WHITTIER	29.2	(47.0)	6.8	0.080	VII
SAN JOSE	34.9	(56.2)	6.5	0.072	VII
SAN ANDREAS - Mojave	37.5	(60.3)	7.1	0.077	VII
SAN ANDREAS - 1857 Rupture	37.5	(60.3)	7.8	0.112	VII
SANTA YNEZ (East)	39.0	(62.7)	7.0	0.071	VI
VENTURA - PITAS POINT	39.9	(64.2)	6.8	0.077	VII
CHINO-CENTRAL AVE. (Elsinore)	40.6	(65.4)	6.7	0.072	VI
SAN ANDREAS - Carrizo	41.1	(66.2)	7.2	0.076	VII
OAK RIDGE (Blind Thrust Offshore)	41.3	(66.5)	6.9	0.079	VII
CUCAMONGA	42.1	(67.7)	7.0	0.082	VII
CHANNEL IS. THRUST (Eastern)	43.3	(69.7)	7.4	0.099	VII
MONTALVO-OAK RIDGE TREND	45.1	(72.6)	6.6	0.063	VI
M. RIDGE-ARROYO PARIDA-SANTA ANA	45.4	(73.0)	6.7	0.066	VI
RED MOUNTAIN	48.7	(78.4)	6.8	0.066	VI
NEWPORT-INGLEWOOD (Offshore)	49.1	(79.0)	6.9	0.056	VI
ELSINORE-GLEN IVY	52.8	(84.9)	6.8	0.051	VI
GARLOCK (West)	55.0	(88.5)	7.1	0.057	VI
PLEITO THRUST	55.4	(89.2)	7.2	0.073	VII
BIG PINE	56.6	(91.1)	6.7	0.046	VI
SAN ANDREAS - Southern	57.8	(93.0)	7.4	0.065	VI

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 DETERMINISTIC SITE PARAMETERS  
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Page 2

ABBREVIATED FAULT NAME	APPROXIMATE		ESTIMATED MAX. EARTHQUAKE EVENT		
	DISTANCE		MAXIMUM	PEAK	EST. SITE
	mi	(km)	EARTHQUAKE	SITE	INTENSITY
			MAG. (Mw)	ACCEL. g	MOD. MERC.
SAN ANDREAS - San Bernardino	57.8	( 93.0)	7.3	0.061	VI
SAN JACINTO-SAN BERNARDINO	58.0	( 93.3)	6.7	0.045	VI
SANTA CRUZ ISLAND	58.2	( 93.7)	6.8	0.057	VI
CLEGHORN	61.3	( 98.7)	6.5	0.039	V
CORONADO BANK	66.6	(107.2)	7.4	0.058	VI
WHITE WOLF	68.9	(110.9)	7.2	0.062	VI
NORTH CHANNEL SLOPE	69.2	(111.3)	7.1	0.059	VI
SANTA YNEZ (West)	69.6	(112.0)	6.9	0.043	VI
NORTH FRONTAL FAULT ZONE (West)	71.5	(115.1)	7.0	0.054	VI
SAN JACINTO-SAN JACINTO VALLEY	72.9	(117.4)	6.9	0.042	VI
ELSINORE-TEMECULA	73.6	(118.5)	6.8	0.039	V
SANTA ROSA ISLAND	80.2	(129.1)	6.9	0.047	VI
HELENDALE - S. LOCKHARDT	82.5	(132.7)	7.1	0.042	VI
GARLOCK (East)	86.1	(138.6)	7.3	0.045	VI
LENWOOD-LOCKHART-OLD WOMAN SPRGS	87.7	(141.2)	7.3	0.044	VI
ROSE CANYON	91.5	(147.3)	6.9	0.035	V
SAN JACINTO-ANZA	94.4	(151.9)	7.2	0.040	V
LOS ALAMOS-W. BASELINE	96.3	(154.9)	6.8	0.039	V
NORTH FRONTAL FAULT ZONE (East)	97.4	(156.8)	6.7	0.036	V
ELSINORE-JULIAN	99.2	(159.6)	7.1	0.036	V
GRAVEL HILLS - HARPER LAKE	99.7	(160.4)	6.9	0.033	V

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-END OF SEARCH- 61 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

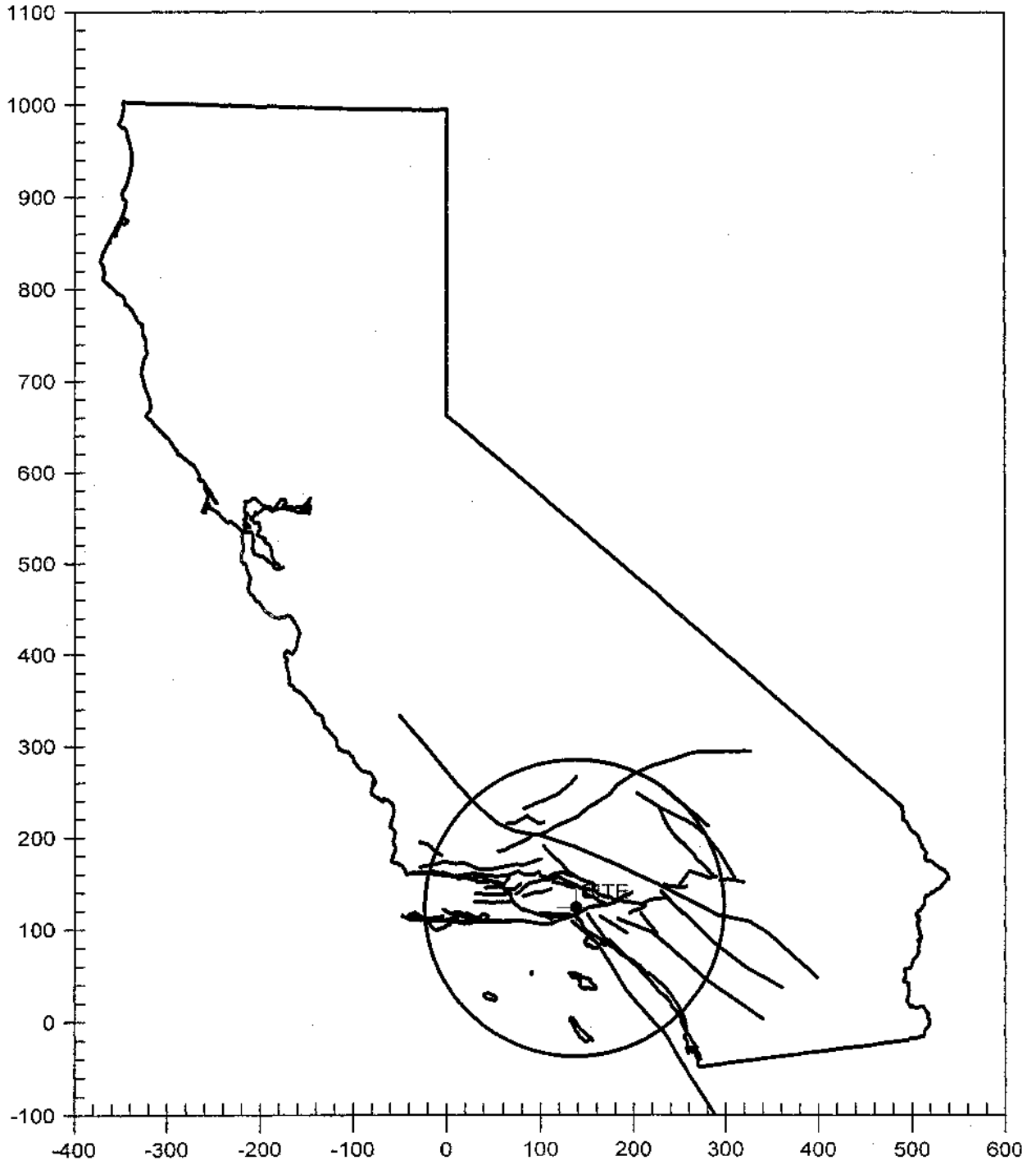
THE SANTA MONICA FAULT IS CLOSEST TO THE SITE.  
 IT IS ABOUT 2.1 MILES (3.4 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.4277 g



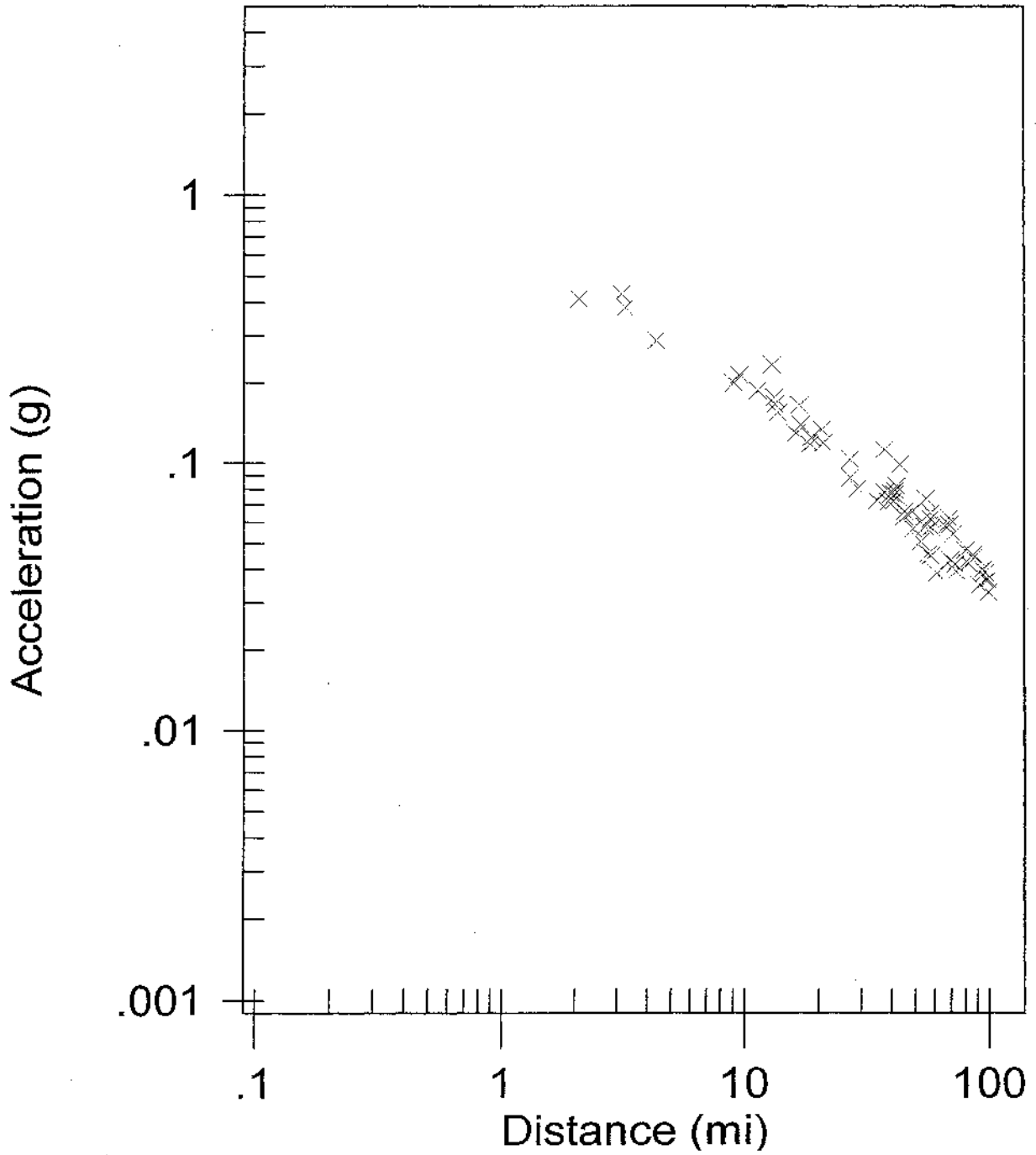
# CALIFORNIA FAULT MAP

Castle & Cooke



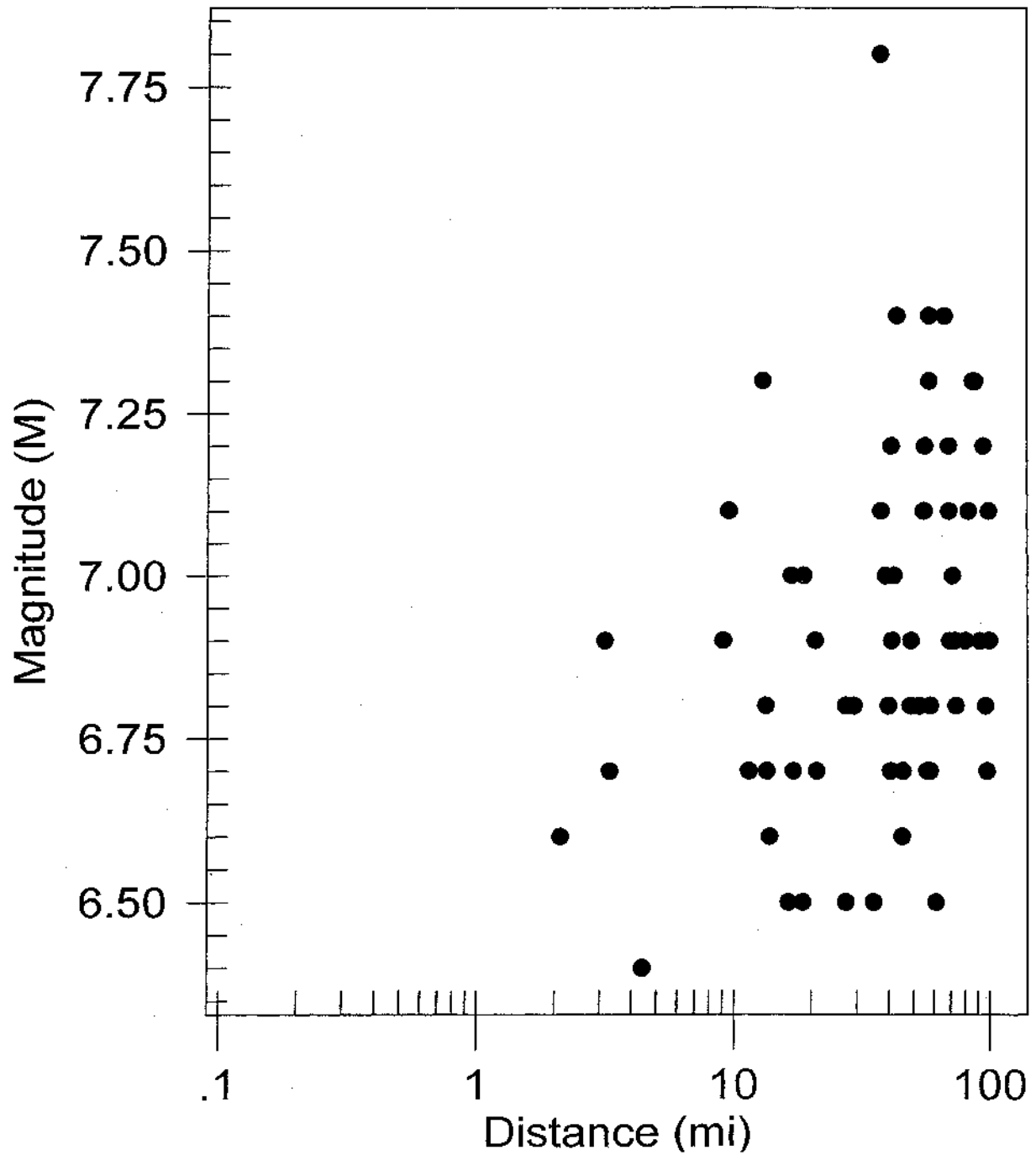
# MAXIMUM EARTHQUAKES

Castle & Cooke



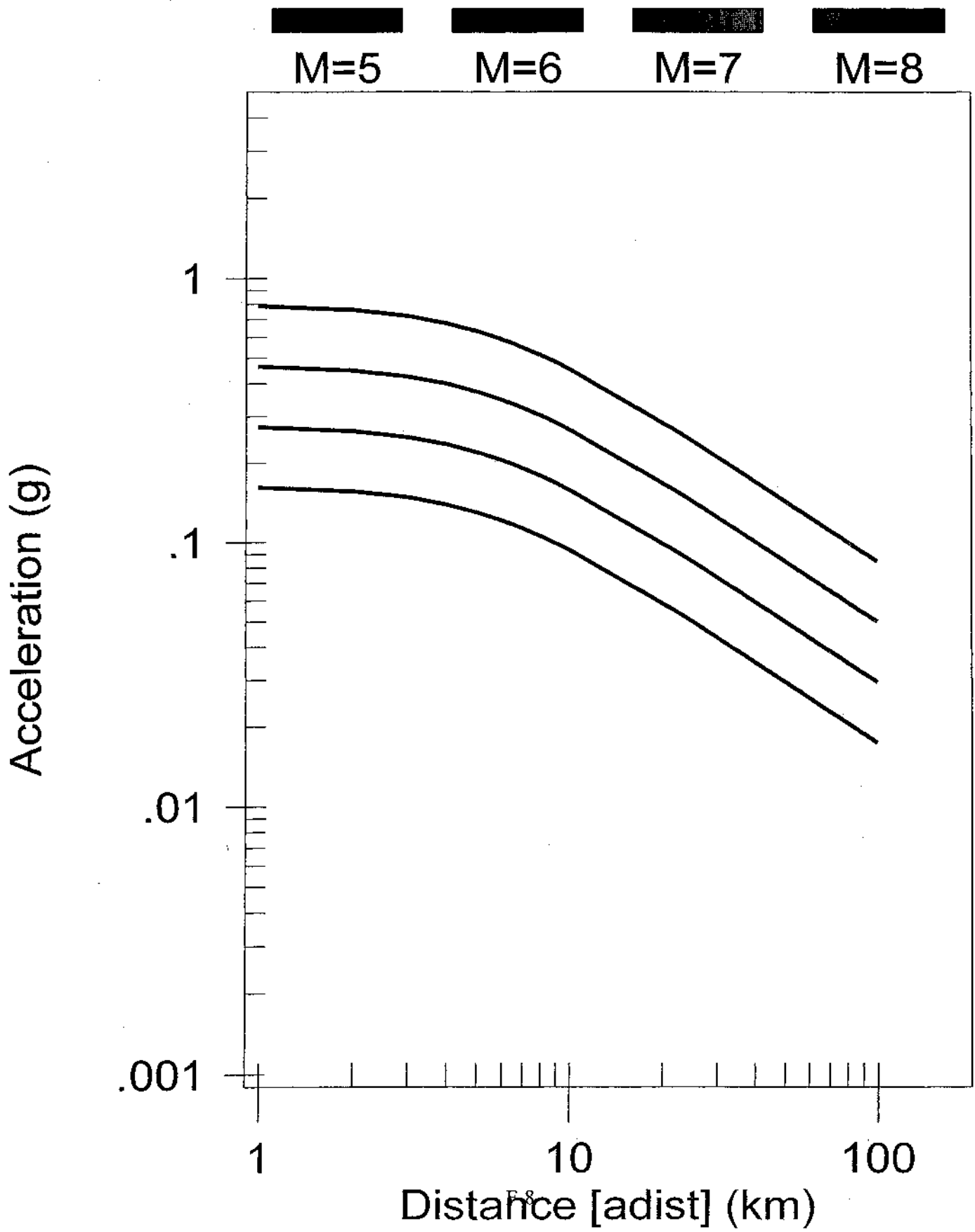
# EARTHQUAKE MAGNITUDES & DISTANCES

Castle & Cooke



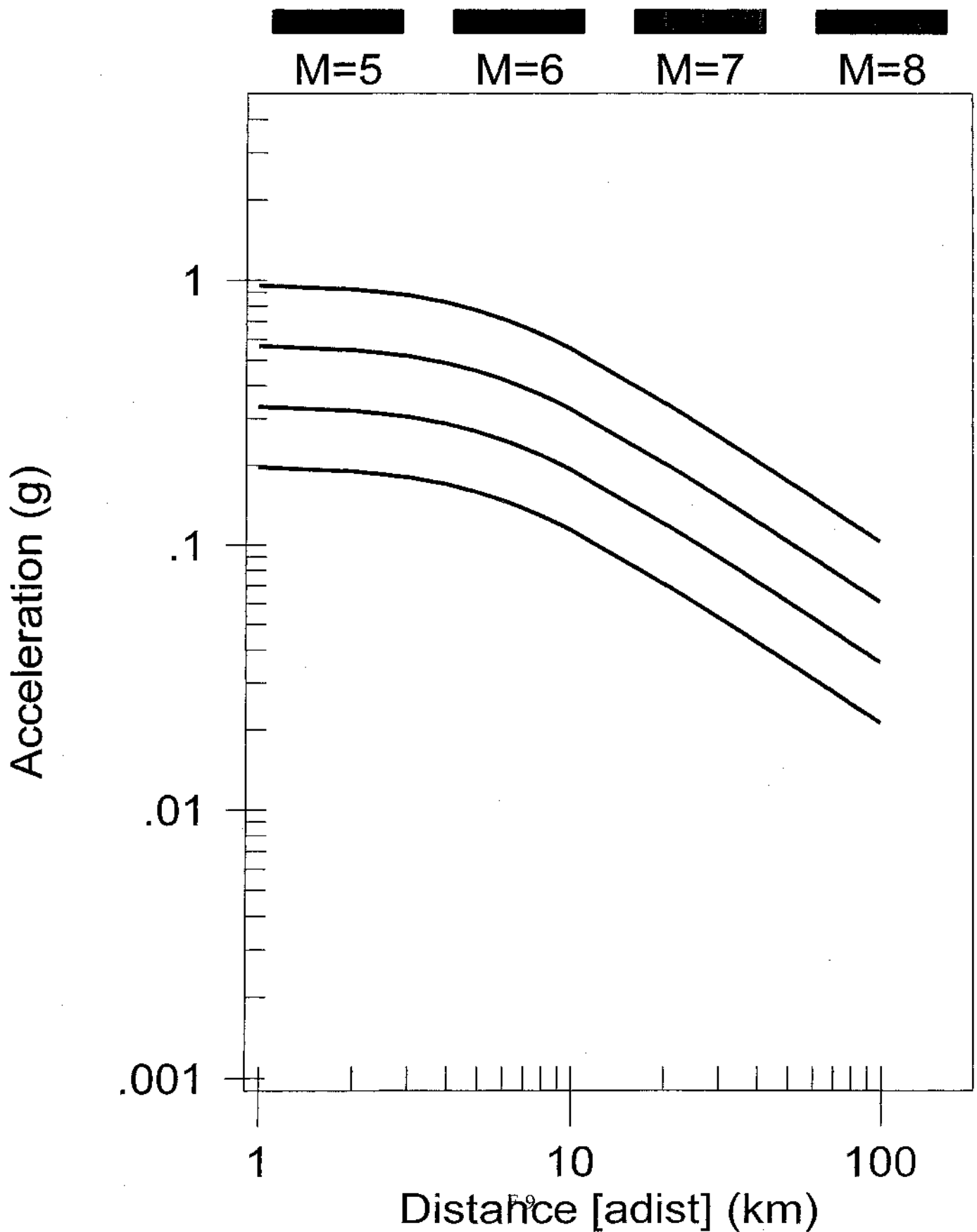
# STRIKE-SLIP FAULTS

2) Boore et al. (1997) Horiz. - NEHRP C (520)



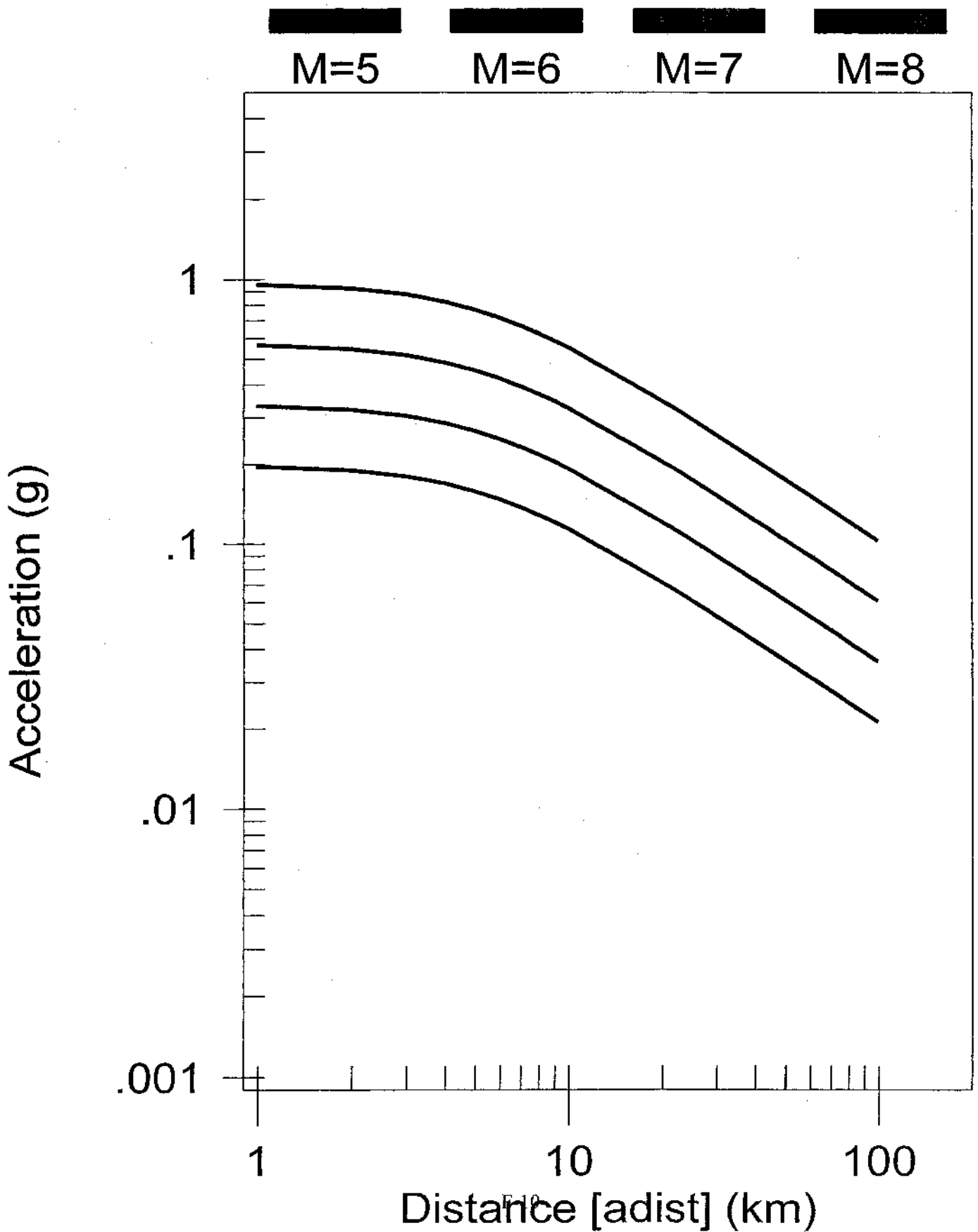
# DIP-SLIP FAULTS

2) Boore et al. (1997) Horiz. - NEHRP C (520)



# BLIND-THRUST FAULTS

2) Boore et al. (1997) Horiz. - NEHRP C (520)





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\*       Version 3.00       \*  
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ESTIMATION OF  
PEAK ACCELERATION FROM  
CALIFORNIA EARTHQUAKE CATALOGS

JOB NUMBER: 030381-001

DATE: 12-03-2001

JOB NAME: Castle & Cooke, **Western Ridge**

EARTHQUAKE-CATALOG-FILE NAME: ALLQUAKE.DAT

MAGNITUDE RANGE:

MINIMUM MAGNITUDE: 4.00  
MAXIMUM MAGNITUDE: 9.00

SITE COORDINATES:

SITE LATITUDE: 34.1050  
SITE LONGITUDE: 118.5073

SEARCH DATES:

START DATE: 1800  
END DATE: 1999

SEARCH RADIUS:

100.0 mi  
160.9 km

ATTENUATION RELATION: 2) Boore et al. (1997) Horiz.-- NEHRP C (520)  
UNCERTAINTY (M=Median, S=Sigma): M       Number of Sigmas: 0.0  
ASSUMED SOURCE TYPE: DS [SS=Strike-slip, DS=Reverse-slip, BT=Blind-thrust]  
SCOND: 0 Depth Source: A  
Basement Depth: 5.00 km       Campbell SSR:       Campbell SHR:  
COMPUTE PEAK HORIZONTAL ACCELERATION

MINIMUM DEPTH VALUE (km): 0.0

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 EARTHQUAKE SEARCH RESULTS  
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Page 1

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0000	118.5000	08/04/1927	1224 0.0	0.0	5.00	0.103	VII	7.3( 11.7)
MGI	34.0000	118.5000	06/23/1920	1220 0.0	0.0	4.00	0.061	VI	7.3( 11.7)
MGI	34.0000	118.5000	11/19/1918	2018 0.0	0.0	5.00	0.103	VII	7.3( 11.7)
DMG	34.0000	118.5000	03/06/1918	1820 0.0	0.0	4.00	0.061	VI	7.3( 11.7)
DMG	34.0000	118.5000	11/08/1914	1140 0.0	0.0	4.50	0.079	VII	7.3( 11.7)
DMG	34.0000	118.5000	06/22/1920	248 0.0	0.0	4.90	0.098	VII	7.3( 11.7)
MGI	34.0000	118.5000	03/08/1918	1230 0.0	0.0	4.00	0.061	VI	7.3( 11.7)
GSP	34.2150	118.5100	01/19/1994	140914.8	17.0	4.50	0.077	VII	7.6( 12.2)
GSP	34.2130	118.5370	01/17/1994	123055.4	18.0	6.70	0.245	IX	7.6( 12.3)
GSP	34.2310	118.4750	03/20/1994	212012.3	13.0	5.30	0.106	VII	8.9( 14.3)
DMG	34.0000	118.4170	12/07/1938	338 0.0	0.0	4.00	0.053	VI	8.9( 14.3)
GSP	34.2280	118.5730	01/17/1994	175608.2	19.0	4.60	0.071	VI	9.3( 14.9)
MGI	34.0000	118.4000	02/22/1920	1610 0.0	0.0	4.60	0.070	VI	9.5( 15.3)
MGI	34.0000	118.4000	10/01/1930	040 0.0	0.0	4.60	0.070	VI	9.5( 15.3)
MGI	34.0000	118.4000	02/07/1927	429 0.0	0.0	4.60	0.070	VI	9.5( 15.3)
MGI	34.0000	118.4000	01/29/1927	2324 0.0	0.0	4.00	0.051	VI	9.5( 15.3)
GSP	34.2180	118.6070	01/18/1994	113509.9	12.0	4.20	0.056	VI	9.7( 15.5)
GSP	34.2450	118.4710	01/18/1994	155144.9	12.0	4.00	0.050	VI	9.9( 15.9)
GSP	34.2540	118.5450	01/17/1994	130627.9	0.0	4.60	0.065	VI	10.5( 16.9)
GSP	34.2610	118.5340	01/17/1994	123939.8	14.0	4.50	0.060	VI	10.9( 17.5)
DMG	34.2730	118.5320	06/21/1971	16 1 8.5	4.1	4.00	0.044	VI	11.7( 18.8)
DMG	34.2650	118.5770	04/15/1971	111432.0	4.2	4.20	0.049	VI	11.7( 18.9)
DMG	34.2680	118.4450	08/30/1964	225737.1	15.4	4.00	0.044	VI	11.8( 19.0)
MGI	34.1000	118.3000	07/26/1920	1215 0.0	0.0	4.00	0.044	VI	11.9( 19.1)
MGI	34.1000	118.3000	07/16/1920	2022 0.0	0.0	4.60	0.060	VI	11.9( 19.1)
MGI	34.1000	118.3000	07/16/1920	2127 0.0	0.0	4.60	0.060	VI	11.9( 19.1)
MGI	34.1000	118.3000	07/16/1920	2130 0.0	0.0	4.60	0.060	VI	11.9( 19.1)
GSP	34.2690	118.5760	01/17/1994	125546.8	16.0	4.10	0.046	VI	12.0( 19.3)
GSP	34.2740	118.5630	01/27/1994	171958.8	14.0	4.60	0.059	VI	12.1( 19.5)
DMG	34.2840	118.5280	04/02/1971	54025.0	3.0	4.00	0.042	VI	12.4( 20.0)
DMG	34.2860	118.5150	03/31/1971	145222.5	2.1	4.60	0.058	VI	12.5( 20.1)
GSP	34.2870	118.4660	01/19/1994	071406.2	11.0	4.00	0.041	V	12.8( 20.6)
DMG	33.9500	118.6320	08/31/1930	04036.0	0.0	5.20	0.078	VII	12.9( 20.7)
GSP	34.2910	118.4760	02/06/1994	131926.9	11.0	4.10	0.043	VI	13.0( 20.9)
GSP	34.2920	118.4660	01/19/1994	144635.2	6.0	4.00	0.041	V	13.1( 21.1)
GSP	34.2780	118.6110	01/29/1994	121656.4	2.0	4.30	0.047	VI	13.3( 21.4)
DMG	34.2960	118.4640	03/30/1971	85443.3	2.6	4.10	0.042	VI	13.4( 21.6)
GSP	34.2970	118.4580	01/21/1994	185344.6	7.0	4.30	0.046	VI	13.5( 21.8)
GSB	34.3000	118.4660	01/21/1994	183915.3	10.0	4.70	0.057	VI	13.7( 22.0)
GSP	34.3040	118.4730	01/17/1994	150703.2	2.0	4.20	0.043	VI	13.9( 22.3)
GSP	34.3010	118.4520	01/21/1994	185244.2	7.0	4.30	0.046	VI	13.9( 22.4)
MGI	34.0000	118.3000	06/30/1920	350 0.0	0.0	4.00	0.039	V	13.9( 22.4)
MGI	34.0000	118.3000	09/03/1905	540 0.0	0.0	5.30	0.077	VII	13.9( 22.4)
MGI	34.0000	118.3000	06/22/1920	2035 0.0	0.0	4.00	0.039	V	13.9( 22.4)
GSB	34.3010	118.5650	01/17/1994	204602.4	9.0	5.20	0.073	VII	13.9( 22.4)
GSP	34.2990	118.4390	02/03/1994	162335.4	8.0	4.20	0.043	VI	13.9( 22.4)
GSB	34.2850	118.6240	01/17/1994	135602.4	19.0	4.70	0.056	VI	14.1( 22.7)
GSB	34.2990	118.4280	01/23/1994	085508.7	6.0	4.20	0.043	VI	14.1( 22.7)
MGI	34.0800	118.2600	07/16/1920	18 8 0.0	0.0	5.00	0.065	VI	14.2( 22.9)
GSB	34.3100	118.4740	01/21/1994	184228.8	7.0	4.20	0.042	VI	14.3( 23.0)
DMG	34.3080	118.4540	02/09/1971	144346.7	6.2	5.20	0.072	VI	14.3( 23.1)
GSP	34.3050	118.5790	01/29/1994	112036.0	1.0	5.10	0.068	VI	14.4( 23.2)
DMG	34.3000	118.6000	04/04/1893	1940 0.0	0.0	6.00	0.109	VII	14.5( 23.3)

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EARTHQUAKE SEARCH RESULTS  
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Page 2

FILE	LAT.	LONG.	DATE	TIME	DEPTH	QUAKE	SITE	SITE	APPROX.
CODE	NORTH	WEST		(UTC) H M Sec	(km)	MAG.	ACC. g	MM INT.	DISTANCE mi [km]
GSP	34.3110	118.4560	01/17/1994	193534.3	2.0	4.00	0.038	V	14.5 ( 23.4)
DMG	33.9830	118.3000	02/11/1940	192410.0	0.0	4.00	0.038	V	14.5 ( 23.4)
PAS	33.9190	118.6270	01/19/1989	65328.8	11.9	5.00	0.064	VI	14.6 ( 23.4)
DMG	33.9030	118.4310	11/29/1938	192115.8	10.0	4.00	0.038	V	14.6 ( 23.5)
GSP	34.2930	118.3890	12/06/1994	034834.5	9.0	4.50	0.049	VI	14.6 ( 23.5)
PAS	33.9440	118.6810	01/01/1979	231438.9	11.3	5.00	0.063	VI	14.9 ( 24.0)
GSP	34.3170	118.4550	01/17/1994	132644.7	2.0	4.70	0.053	VI	14.9 ( 24.0)
PAS	33.9330	118.6690	10/17/1979	205237.3	5.5	4.20	0.041	V	15.1 ( 24.2)
GSB	34.3190	118.5580	01/18/1994	132444.1	1.0	4.50	0.048	VI	15.1 ( 24.2)
GSP	34.3110	118.3980	06/15/1994	055948.6	7.0	4.20	0.040	V	15.5 ( 25.0)
GSP	34.3120	118.3930	05/25/1994	125657.1	7.0	4.40	0.044	VI	15.7 ( 25.3)
GSG	34.3340	118.4840	01/17/1994	223152.1	10.0	4.20	0.039	V	15.9 ( 25.5)
GSP	34.3310	118.4420	01/17/1994	141430.3	1.0	4.50	0.046	VI	16.0 ( 25.8)
T-A	34.0000	118.2500	01/10/1856	0 0 0.0	0.0	5.00	0.058	VI	16.4 ( 26.4)
T-A	34.0000	118.2500	03/21/1880	1425 0.0	0.0	4.30	0.040	V	16.4 ( 26.4)
T-A	34.0000	118.2500	03/26/1860	0 0 0.0	0.0	5.00	0.058	VI	16.4 ( 26.4)
T-A	34.0000	118.2500	09/23/1827	0 0 0.0	0.0	5.00	0.058	VI	16.4 ( 26.4)
T-A	34.0000	118.2500	01/17/1857	1 0 0.0	0.0	4.30	0.040	V	16.4 ( 26.4)
T-A	34.0000	118.2500	05/04/1857	6 0 0.0	0.0	4.30	0.040	V	16.4 ( 26.4)
T-A	34.0000	118.2500	05/02/1856	810 0.0	0.0	4.30	0.040	V	16.4 ( 26.4)
DMG	34.1000	118.8000	05/10/1911	1340 0.0	0.0	4.00	0.034	V	16.7 ( 26.9)
GSB	34.3450	118.5520	01/24/1994	041518.8	6.0	4.80	0.052	VI	16.8 ( 27.0)
GSB	34.3330	118.6230	01/18/1994	072356.0	14.0	4.30	0.039	V	17.1 ( 27.5)
DMG	34.3530	118.4560	03/07/1971	13340.5	3.3	4.50	0.043	VI	17.4 ( 27.9)
DMG	34.3560	118.4740	03/25/1971	2254 9.9	4.6	4.20	0.037	V	17.4 ( 28.0)
GSP	34.3570	118.4800	02/25/1994	125912.6	1.0	4.10	0.035	V	17.5 ( 28.1)
MGI	34.1000	118.2000	01/27/1860	830 0.0	0.0	4.30	0.038	V	17.6 ( 28.3)
MGI	34.1000	118.2000	05/02/1916	1432 0.0	0.0	4.00	0.033	V	17.6 ( 28.3)
MGI	34.1000	118.2000	04/21/1921	1538 0.0	0.0	4.00	0.033	V	17.6 ( 28.3)
DMG	34.3610	118.4870	02/10/1971	143526.7	4.4	4.20	0.036	V	17.7 ( 28.5)
GSB	34.3600	118.5710	01/19/1994	044048.0	2.0	4.50	0.042	VI	18.0 ( 28.9)
DMG	34.3440	118.6360	02/09/1971	143436.1	-2.0	4.90	0.052	VI	18.1 ( 29.1)
DMG	34.3570	118.4060	02/09/1971	141950.2	11.8	4.00	0.032	V	18.3 ( 29.5)
GSG	34.3040	118.7220	01/17/1994	221922.3	10.0	4.00	0.032	V	18.4 ( 29.6)
GSP	34.3740	118.4950	01/28/1994	200953.4	0.0	4.20	0.035	V	18.6 ( 29.9)
GSB	34.3580	118.6220	01/18/1994	040126.8	1.0	4.50	0.041	V	18.7 ( 30.0)
PAS	34.3470	118.6560	04/08/1976	152138.1	14.5	4.60	0.043	VI	18.7 ( 30.2)
GSP	34.3260	118.6980	01/17/1994	233330.7	9.0	5.60	0.072	VII	18.7 ( 30.2)
GSB	34.3430	118.6660	01/17/1994	234925.4	8.0	4.30	0.036	V	18.8 ( 30.2)
GSP	34.3620	118.6150	03/20/1996	073759.8	13.0	4.10	0.033	V	18.8 ( 30.2)
DMG	34.3350	118.3310	02/09/1971	155820.7	14.2	4.80	0.047	VI	18.8 ( 30.2)
DMG	33.8830	118.3170	03/11/1933	1457 0.0	0.0	4.90	0.050	VI	18.8 ( 30.3)
GSP	34.3590	118.6290	01/24/1994	055024.3	12.0	4.30	0.036	V	18.9 ( 30.3)
GSP	34.3040	118.7370	01/19/1994	091310.9	13.0	4.10	0.033	V	19.0 ( 30.6)
DMG	34.3390	118.3320	02/09/1971	141612.9	11.1	4.10	0.033	V	19.0 ( 30.6)
MGI	34.0000	118.2000	06/26/1917	2120 0.0	0.0	4.60	0.042	VI	19.0 ( 30.6)
MGI	34.0000	118.2000	06/26/1917	2115 0.0	0.0	4.60	0.042	VI	19.0 ( 30.6)
MGI	34.0000	118.2000	02/13/1917	13 5 0.0	0.0	4.60	0.042	VI	19.0 ( 30.6)
MGI	34.0000	118.2000	06/26/1917	424 0.0	0.0	4.00	0.031	V	19.0 ( 30.6)
MGI	34.0000	118.2000	06/26/1917	2130 0.0	0.0	4.60	0.042	VI	19.0 ( 30.6)
GSP	34.3630	118.6270	01/24/1994	055421.1	10.0	4.20	0.034	V	19.1 ( 30.7)
GSP	34.3790	118.5610	01/18/1994	152346.9	7.0	4.80	0.047	VI	19.2 ( 30.8)
GSP	34.3790	118.5630	01/18/1994	003935.0	7.0	4.40	0.038	V	19.2 ( 30.9)

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EARTHQUAKE SEARCH RESULTS  
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Page 3

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE [MM] [INT.]	APPROX. DISTANCE mi [km]
PAS	34.3800	118.4590	08/12/1977	21926.1	9.5	4.50	0.040	V	19.2( 30.9)
GSP	34.0300	118.1800	06/12/1989	165718.4	16.0	4.40	0.037	V	19.4( 31.2)
DMG	34.3840	118.4550	02/10/1971	113134.6	6.0	4.20	0.034	V	19.5( 31.4)
GSP	34.3680	118.6370	01/17/1994	194353.4	13.0	4.10	0.032	V	19.6( 31.6)
GSP	34.0200	118.1800	06/12/1989	172225.5	16.0	4.10	0.032	V	19.6( 31.6)
GSP	34.3740	118.6220	01/17/1994	155410.8	12.0	4.80	0.046	VI	19.7( 31.7)
T-A	34.1700	118.1700	03/07/1888	1554 0.0	0.0	4.30	0.035	V	19.8( 31.8)
GSP	34.3780	118.6180	01/19/1994	211144.9	11.0	5.10	0.053	VI	19.9( 32.0)
DMG	34.3800	118.6230	10/29/1936	223536.1	10.0	4.00	0.030	V	20.1( 32.3)
DMG	34.3920	118.4270	02/21/1971	71511.7	7.2	4.50	0.038	V	20.3( 32.7)
DMG	34.3990	118.4390	03/09/1974	05431.9	24.4	4.70	0.042	VI	20.4( 32.8)
GSP	34.3770	118.6490	04/27/1997	110928.4	15.0	4.80	0.045	VI	20.4( 32.9)
GSP	34.3690	118.6720	04/26/1997	103730.7	16.0	5.10	0.052	VI	20.5( 33.0)
GSP	34.3540	118.7040	05/01/1996	194956.4	14.0	4.10	0.031	V	20.5( 33.0)
DMG	34.3970	118.4300	02/21/1971	55052.6	6.9	4.70	0.042	VI	20.5( 33.0)
DMG	33.9390	118.2050	01/11/1950	214135.0	0.4	4.10	0.030	V	20.7( 33.4)
DMG	34.3990	118.4190	02/10/1971	134953.7	9.7	4.30	0.034	V	20.9( 33.7)
PDP	34.3970	118.6090	07/22/1999	095724.0	11.0	4.00	0.029	V	21.0( 33.8)
MGI	33.8000	118.5000	06/18/1915	15 5 0.0	0.0	4.00	0.029	V	21.1( 33.9)
DMG	34.3610	118.3060	02/09/1971	141021.5	5.0	4.70	0.041	V	21.1( 33.9)
DMG	34.3870	118.3640	02/09/1971	143917.8	-1.6	4.00	0.028	V	21.1( 34.0)
GSG	34.4080	118.5590	01/17/1994	200205.4	0.0	4.00	0.028	V	21.1( 34.0)
DMG	34.3680	118.3140	04/25/1971	1448 6.5	-2.0	4.00	0.028	V	21.2( 34.2)
GSP	34.3650	118.7080	01/19/1994	044314.5	12.0	4.10	0.030	V	21.3( 34.3)
PAS	34.1490	118.1350	12/03/1988	113826.4	13.3	4.90	0.045	VI	21.5( 34.6)
DMG	34.3960	118.3660	02/10/1971	173855.1	6.2	4.20	0.031	V	21.6( 34.8)
GSP	34.3770	118.6980	01/18/1994	004308.9	11.0	5.20	0.053	VI	21.7( 34.9)
DMG	34.3700	118.3020	02/10/1971	31212.0	0.8	4.00	0.028	V	21.7( 35.0)
DMG	34.4110	118.4010	02/09/1971	14 325.0	8.0	4.40	0.034	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 244.0	8.0	5.80	0.071	VI	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 4 7.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 710.0	8.0	4.00	0.028	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 231.0	8.0	4.70	0.040	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 133.0	8.0	4.20	0.031	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 838.0	8.0	4.50	0.036	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 8 7.0	8.0	4.20	0.031	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 745.0	8.0	4.50	0.036	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 140.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 159.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 346.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 853.0	8.0	4.60	0.038	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 2 3.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 439.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 041.8	8.4	6.40	0.098	VII	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 8 4.0	8.0	4.00	0.028	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 1 8.0	8.0	5.80	0.071	VI	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 446.0	8.0	4.20	0.031	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 150.0	8.0	4.50	0.036	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 444.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 230.0	8.0	4.30	0.032	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 550.0	8.0	4.10	0.029	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 730.0	8.0	4.00	0.028	V	22.0( 35.4)
DMG	34.4110	118.4010	02/09/1971	14 541.0	8.0	4.10	0.029	V	22.0( 35.4)

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EARTHQUAKE SEARCH RESULTS  
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Page 4

FILE CODE	LAT.	LONG.	DATE	TIME (UTC)	DEPTH	QUAKE	SITE ACC.	SITE MM	APPROX. DISTANCE
	NORTH	WEST		H M Sec	(km)	MAG.	g	INT.	mi [km]
DMG	34.4110	118.4010	02/09/1971	14 434.0	8.0	4.20	0.031	V	22.0 (35.4)
DMG	34.4110	118.4010	02/09/1971	14 154.0	8.0	4.20	0.031	V	22.0 (35.4)
DMG	34.4110	118.4010	02/09/1971	141028.0	8.0	5.30	0.055	VI	22.0 (35.4)
GSP	34.3940	118.6690	06/26/1995	084028.9	13.0	5.00	0.047	VI	22.0 (35.4)
GSB	34.3790	118.7110	01/19/1994	210928.6	14.0	5.50	0.060	VI	22.2 (35.7)
DMG	33.8500	118.2670	03/11/1933	629 0.0	0.0	4.40	0.034	V	22.3 (36.0)
DMG	33.8500	118.2670	03/11/1933	1425 0.0	0.0	5.00	0.046	VI	22.3 (36.0)
MGI	33.9000	118.2000	10/08/1927	1914 0.0	0.0	4.60	0.037	V	22.6 (36.3)
DMG	34.4260	118.4140	02/10/1971	518 7.2	5.8	4.50	0.035	V	22.8 (36.7)
DMG	33.7830	118.4170	10/12/1940	024 0.0	0.0	4.00	0.027	V	22.8 (36.7)
DMG	33.7830	118.4170	11/02/1940	25826.0	0.0	4.00	0.027	V	22.8 (36.7)
DMG	33.7830	118.4170	10/14/1940	205111.0	0.0	4.00	0.027	V	22.8 (36.7)
DMG	33.7830	118.4170	11/01/1940	725 3.0	0.0	4.00	0.027	V	22.8 (36.7)
DMG	34.4280	118.4130	04/01/1971	15 3 3.6	8.0	4.10	0.028	V	22.9 (36.9)
DMG	33.7700	118.4800	04/24/1931	182754.8	0.0	4.40	0.033	V	23.2 (37.3)
MGI	34.1000	118.1000	07/11/1855	415 0.0	0.0	6.30	0.089	VII	23.3 (37.5)
DMG	33.8670	118.2170	06/19/1944	0 333.0	0.0	4.50	0.034	V	23.4 (37.6)
DMG	33.8670	118.2170	06/19/1944	3 6 7.0	0.0	4.40	0.033	V	23.4 (37.6)
DMG	34.4110	118.3290	02/10/1971	5 636.0	4.7	4.30	0.031	V	23.4 (37.7)
DMG	34.4330	118.3980	02/09/1971	144017.4	-2.0	4.10	0.028	V	23.5 (37.8)
PAS	34.0600	118.1000	10/01/1987	1449 5.9	11.7	4.70	0.038	V	23.5 (37.8)
PAS	34.0730	118.0980	10/04/1987	105938.2	8.2	5.30	0.052	VI	23.5 (37.8)
PAS	34.0490	118.1010	10/01/1987	144541.5	13.6	4.70	0.038	V	23.6 (37.9)
DMG	33.7670	118.4500	10/11/1940	55712.3	0.0	4.70	0.038	V	23.6 (37.9)
GSP	34.0490	118.9150	02/19/1995	212418.1	15.0	4.30	0.031	V	23.6 (38.0)
DMG	34.4310	118.3690	08/14/1974	144555.2	8.2	4.20	0.029	V	23.8 (38.4)
DMG	34.4460	118.4360	02/10/1971	185441.7	8.1	4.20	0.029	V	23.9 (38.4)
DMG	33.9500	118.1330	10/25/1933	7 046.0	0.0	4.30	0.030	V	23.9 (38.5)
PAS	34.0760	118.0900	10/01/1987	1448 3.1	11.7	4.10	0.027	V	23.9 (38.5)
DMG	33.8670	118.2000	11/13/1933	2128 0.0	0.0	4.00	0.026	V	24.1 (38.7)
PAS	34.0520	118.0900	10/01/1987	151231.8	10.8	4.70	0.037	V	24.1 (38.8)
DMG	33.8000	118.3000	11/03/1931	16 5 0.0	0.0	4.00	0.026	V	24.2 (38.9)
MGI	33.8000	118.3000	12/31/1928	1045 0.0	0.0	4.00	0.026	V	24.2 (38.9)
PAS	34.0500	118.0870	10/01/1987	155953.5	10.4	4.00	0.026	V	24.3 (39.2)
PAS	34.0610	118.0790	10/01/1987	144220.0	9.5	5.90	0.069	VI	24.7 (39.7)
DMG	34.4570	118.4270	02/09/1971	161926.5	-1.0	4.20	0.028	V	24.7 (39.8)
PAS	34.4630	118.4090	09/24/1977	212824.3	5.0	4.20	0.028	V	25.3 (40.8)
DMG	33.8170	118.2170	10/22/1941	65718.5	0.0	4.90	0.039	V	25.9 (41.7)
DMG	34.4850	118.5210	07/16/1965	74622.4	15.1	4.00	0.024	V	26.2 (42.2)
PAS	34.0540	118.9640	04/13/1982	11 212.2	16.6	4.00	0.024	V	26.3 (42.4)
PAS	34.0770	118.0470	02/11/1988	152555.7	12.5	4.70	0.035	V	26.4 (42.5)
DMG	33.7830	118.2500	11/14/1941	84136.3	0.0	5.40	0.050	VI	26.7 (42.9)
DMG	34.0170	118.9670	04/16/1948	222624.0	0.0	4.70	0.034	V	27.0 (43.4)
DMG	33.9000	118.1000	07/08/1929	1646 6.7	13.0	4.70	0.034	V	27.3 (43.9)
GSP	34.5000	118.5600	07/05/1991	174157.1	11.0	4.10	0.025	V	27.4 (44.1)
DMG	33.9670	118.0500	01/30/1941	13446.9	0.0	4.10	0.024	V	27.8 (44.8)
DMG	33.7590	118.2530	08/31/1938	31814.2	10.0	4.50	0.030	V	28.0 (45.0)
PAS	34.0160	118.9880	10/26/1984	172043.5	13.3	4.60	0.031	V	28.2 (45.3)
DMG	33.7830	118.2000	12/27/1939	192849.0	0.0	4.70	0.033	V	28.4 (45.6)
DMG	34.4170	118.8330	06/01/1946	11 631.0	0.0	4.10	0.024	V	28.4 (45.8)
MGI	34.1000	118.0000	01/27/1930	2026 0.0	0.0	4.60	0.031	V	29.0 (46.7)
DMG	34.0000	119.0000	09/24/1827	4 0 0.0	0.0	7.00	0.108	VII	29.1 (46.8)
MGI	34.0000	119.0000	12/14/1912	0 0 0.0	0.0	5.70	0.055	VI	29.1 (46.8)

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 EARTHQUAKE SEARCH RESULTS  
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Page 5

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.2000	118.0000	01/09/1921	530 0.0	0.0	4.60	0.030	V	29.7( 47.8)
MGI	34.0000	118.0000	05/05/1929	1 7 0.0	0.0	4.60	0.030	V	29.9( 48.1)
MGI	34.0000	118.0000	05/05/1929	735 0.0	0.0	4.00	0.022	IV	29.9( 48.1)
MGI	34.0000	118.0000	12/25/1903	1745 0.0	0.0	5.00	0.037	V	29.9( 48.1)
DMG	34.5290	118.6440	02/07/1956	21656.5	16.0	4.20	0.024	V	30.3( 48.7)
DMG	34.0650	119.0350	02/21/1973	144557.3	8.0	5.90	0.059	VI	30.3( 48.8)
DMG	33.7500	118.1830	08/04/1933	41748.0	0.0	4.00	0.021	IV	30.8( 49.5)
GSP	34.2620	118.0020	06/28/1991	144354.5	11.0	5.40	0.045	VI	30.8( 49.6)
DMG	33.7830	118.1330	10/02/1933	91017.6	0.0	5.40	0.045	VI	30.9( 49.7)
DMG	33.7830	118.1330	01/13/1940	749 7.0	0.0	4.00	0.021	IV	30.9( 49.7)
DMG	33.7830	118.1330	11/20/1933	1032 0.0	0.0	4.00	0.021	IV	30.9( 49.7)
DMG	33.6630	118.4130	01/08/1967	738 5.3	17.7	4.00	0.021	IV	31.0( 49.9)
GSP	34.2500	117.9900	06/28/1991	170055.5	9.0	4.30	0.025	V	31.2( 50.2)
DMG	33.7500	118.1670	05/16/1933	205855.0	0.0	4.00	0.021	IV	31.3( 50.4)
DMG	33.9960	117.9750	06/15/1967	458 5.5	10.0	4.10	0.022	IV	31.4( 50.5)
T-A	34.4200	118.9200	03/29/1917	8 6 0.0	0.0	4.30	0.024	V	32.1( 51.6)
DMG	33.7670	118.1170	11/04/1939	2141 0.0	0.0	4.00	0.021	IV	32.3( 52.0)
DMG	33.9900	119.0580	05/29/1955	164335.4	17.4	4.10	0.022	IV	32.5( 52.3)
DMG	33.7500	118.1330	03/11/1933	11 4 0.0	0.0	4.60	0.028	V	32.6( 52.4)
DMG	33.6320	118.4670	01/08/1967	73730.4	11.4	4.00	0.020	IV	32.7( 52.7)
DMG	33.6330	118.4000	10/17/1934	938 0.0	0.0	4.00	0.020	IV	33.2( 53.4)
DMG	34.5190	118.1980	08/23/1952	10 9 7.1	13.1	5.00	0.034	V	33.6( 54.0)
DMG	34.5860	118.6130	02/07/1956	31638.6	2.6	4.60	0.027	V	33.7( 54.3)
DMG	33.7500	118.0830	03/11/1933	230 0.0	0.0	5.10	0.035	V	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	2240 0.0	0.0	4.40	0.024	V	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	8 8 0.0	0.0	4.50	0.025	V	34.5( 55.5)
DMG	33.7500	118.0830	03/12/1933	448 0.0	0.0	4.00	0.020	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	521 0.0	0.0	4.40	0.024	V	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	227 0.0	0.0	4.60	0.027	V	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	751 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	759 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	832 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	611 0.0	0.0	4.40	0.024	V	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	1956 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	336 0.0	0.0	4.00	0.020	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/16/1933	1456 0.0	0.0	4.00	0.020	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	347 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	2 4 0.0	0.0	4.90	0.031	V	34.5( 55.5)
DMG	33.7500	118.0830	03/12/1933	027 0.0	0.0	4.40	0.024	V	34.5( 55.5)
DMG	33.7500	118.0830	03/17/1933	1651 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	439 0.0	0.0	4.90	0.031	V	34.5( 55.5)
DMG	33.7500	118.0830	03/13/1933	131828.0	0.0	5.30	0.039	V	34.5( 55.5)
DMG	33.7500	118.0830	03/12/1933	546 0.0	0.0	4.40	0.024	V	34.5( 55.5)
DMG	33.7500	118.0830	03/14/1933	1219 0.0	0.0	4.50	0.025	V	34.5( 55.5)
DMG	33.7500	118.0830	03/12/1933	2128 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/13/1933	617 0.0	0.0	4.00	0.020	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/25/1933	1346 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	524 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	311 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/15/1933	2 8 0.0	0.0	4.10	0.021	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/12/1933	1738 0.0	0.0	4.50	0.025	V	34.5( 55.5)
DMG	33.7500	118.0830	03/15/1933	540 0.0	0.0	4.20	0.022	IV	34.5( 55.5)
DMG	33.7500	118.0830	03/11/1933	259 0.0	0.0	4.60	0.027	V	34.5( 55.5)

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 EARTHQUAKE SEARCH RESULTS  
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Page 6

FILE	LAT.	LONG.	DATE	TIME	DEPTH	QUAKE	SITE	SITE	APPROX.
CODE	NORTH	WEST		{UTC} H M Sec	(km)	MAG.	ACC.	MM	DISTANCE
							g	INT.	mi [km]
DMG	33.7500	118.0830	03/11/1933	23 5 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/13/1933	432 0.0	0.0	4.70	0.028	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/16/1933	1529 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	1147 0.0	0.0	4.40	0.024	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/19/1933	2123 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	257 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	211 0.0	0.0	4.40	0.024	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	258 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/23/1933	840 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	911 0.0	0.0	4.40	0.024	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/31/1933	1049 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	15 2 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	11 0 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	04/02/1933	8 0 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	1825 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	339 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/16/1933	1530 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	1138 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	436 0.0	0.0	4.60	0.027	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	1141 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	034 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/13/1933	1929 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	252 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/14/1933	036 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	616 0.0	0.0	4.60	0.027	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	740 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/14/1933	2242 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	2 5 0.0	0.0	4.30	0.023	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	2 9 0.0	0.0	5.00	0.033	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	216 0.0	0.0	4.80	0.030	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	22 0 0.0	0.0	4.40	0.024	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	222 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	2232 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	635 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/13/1933	343 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/18/1933	2052 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	6 1 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	513 0.0	0.0	4.70	0.028	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	837 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/20/1933	1358 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/23/1933	1831 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	3 5 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	3 9 0.0	0.0	4.40	0.024	V	34.5 ( 55.5)
DMG	33.7500	118.0830	04/01/1933	642 0.0	0.0	4.20	0.022	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	323 0.0	0.0	5.00	0.033	V	34.5 ( 55.5)
DMG	33.7500	118.0830	04/02/1933	1536 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	210 0.0	0.0	4.60	0.027	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	1129 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/13/1933	1532 0.0	0.0	4.10	0.021	IV	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	910 0.0	0.0	5.10	0.035	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	440 0.0	0.0	4.70	0.028	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/12/1933	2354 0.0	0.0	4.50	0.025	V	34.5 ( 55.5)
DMG	33.7500	118.0830	03/11/1933	1944 0.0	0.0	4.00	0.020	IV	34.5 ( 55.5)

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EARTHQUAKE SEARCH RESULTS  
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Page 7

FILE CODE	LAT.	LONG.	DATE	TIME .	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE	
	NORTH	WEST		H M Sec					mi	[km]
DMG	33.7500	118.0830	03/11/1933	1357 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	515 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/15/1933	432 0.0	0.0	4.10	0.021	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	926 0.0	0.0	4.10	0.021	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	553 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	555 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/30/1933	1225 0.0	0.0	4.40	0.024	V	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	618 0.0	0.0	4.20	0.022	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	2231 0.0	0.0	4.40	0.024	V	34.5	( 55.5)
DMG	33.7500	118.0830	03/12/1933	1651 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	1547 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/21/1933	326 0.0	0.0	4.10	0.021	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	1025 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	1653 0.0	0.0	4.80	0.030	V	34.5	( 55.5)
DMG	33.7500	118.0830	03/11/1933	1045 0.0	0.0	4.00	0.020	IV	34.5	( 55.5)
DMG	33.7500	118.0830	03/12/1933	835 0.0	0.0	4.20	0.022	IV	34.5	( 55.5)
DMG	33.7330	118.1000	03/11/1933	1350 0.0	0.0	4.40	0.024	V	34.7	( 55.8)
DMG	33.7330	118.1000	03/11/1933	15 9 0.0	0.0	4.40	0.024	V	34.7	( 55.8)
DMG	33.7330	118.1000	03/11/1933	1447 0.0	0.0	4.40	0.024	V	34.7	( 55.8)
DMG	34.2000	117.9000	08/28/1889	215 0.0	0.0	5.50	0.042	VI	35.3	( 56.8)
DMG	34.2000	117.9000	07/13/1935	105416.5	0.0	4.70	0.028	V	35.3	( 56.8)
PAS	34.3780	119.0350	04/03/1985	4 449.8	27.9	4.00	0.019	IV	35.5	( 57.2)
DMG	33.8000	118.0000	10/21/1913	938 0.0	0.0	4.00	0.019	IV	35.9	( 57.7)
PAS	33.9650	117.8860	01/01/1976	172012.9	6.2	4.20	0.021	IV	36.8	( 59.3)
DMG	33.6330	118.2000	11/01/1940	20 046.0	0.0	4.00	0.019	IV	37.0	( 59.6)
DMG	33.6300	118.2000	09/13/1929	132338.2	0.0	4.00	0.018	IV	37.2	( 59.9)
DMG	34.4830	118.9830	09/04/1942	63433.0	0.0	4.50	0.024	IV	37.6	( 60.6)
DMG	34.4830	118.9830	09/03/1942	14 6 1.0	0.0	4.50	0.024	IV	37.6	( 60.6)
DMG	33.7000	118.0670	07/20/1940	4 113.0	0.0	4.00	0.018	IV	37.7	( 60.6)
DMG	33.7000	118.0670	03/11/1933	51022.0	0.0	5.10	0.033	V	37.7	( 60.6)
DMG	33.7000	118.0670	03/11/1933	85457.0	0.0	5.10	0.033	V	37.7	( 60.6)
DMG	33.7000	118.0670	02/08/1940	165617.0	0.0	4.00	0.018	IV	37.7	( 60.6)
DMG	33.7500	118.0000	11/16/1934	2126 0.0	0.0	4.00	0.018	IV	38.0	( 61.2)
DMG	34.5650	118.1130	02/28/1969	45612.4	5.3	4.30	0.021	IV	38.9	( 62.6)
DMG	33.6830	118.0500	03/11/1933	658 3.0	0.0	5.50	0.039	V	39.2	( 63.1)
DMG	33.6830	118.0500	03/11/1933	1250 0.0	0.0	4.40	0.022	IV	39.2	( 63.1)
DMG	33.5430	118.3400	09/14/1963	35116.2	2.2	4.20	0.019	IV	40.0	( 64.3)
MGI	34.2000	119.2000	06/16/1914	1052 0.0	0.0	4.60	0.024	V	40.1	( 64.6)
PAS	33.9060	119.1660	05/23/1978	91650.8	6.0	4.00	0.017	IV	40.1	( 64.6)
DMG	34.1000	117.8000	03/31/1931	2033 0.0	0.0	4.00	0.017	IV	40.4	( 65.1)
DMG	33.6170	118.1170	01/20/1934	2117 0.0	0.0	4.50	0.023	IV	40.4	( 65.1)
MGI	33.8000	117.9000	05/22/1902	740 0.0	0.0	4.30	0.020	IV	40.7	( 65.4)
PAS	34.5410	118.9890	06/12/1984	02752.4	11.7	4.10	0.018	IV	40.7	( 65.6)
DMG	34.1180	119.2200	03/18/1957	185618.0	13.8	4.70	0.025	V	40.7	( 65.6)
DMG	34.6000	118.9000	05/18/1940	91512.0	0.0	4.00	0.017	IV	40.9	( 65.7)
DMG	33.6710	118.0120	10/20/1961	223534.2	5.6	4.10	0.018	IV	41.3	( 66.4)
DMG	33.6800	117.9930	11/20/1961	85334.7	4.4	4.00	0.017	IV	41.6	( 66.9)
PAS	33.5380	118.2070	05/25/1982	134430.3	13.7	4.10	0.017	IV	42.8	( 68.8)
DMG	33.6540	117.9940	10/20/1961	194950.5	4.6	4.30	0.019	IV	42.8	( 68.9)
DMG	33.6650	117.9790	10/20/1961	214240.7	7.2	4.00	0.017	IV	42.9	( 69.0)
DMG	34.6670	118.8330	01/24/1950	215659.0	0.0	4.00	0.017	IV	43.0	( 69.2)
DMG	33.6590	117.9810	10/20/1961	20 714.5	6.1	4.00	0.016	IV	43.1	( 69.4)
DMG	33.6170	118.0330	05/21/1938	944 0.0	0.0	4.00	0.016	IV	43.3	( 69.7)



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EARTHQUAKE SEARCH RESULTS  
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Page 8

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	33.6170	118.0170	03/14/1933	19 150.0	0.0	5.10	0.029	V	43.9 ( 70.6)
DMG	33.6170	118.0170	03/15/1933	111332.0	0.0	4.90	0.026	V	43.9 ( 70.6)
DMG	33.6170	118.0170	10/02/1933	1326 1.0	0.0	4.00	0.016	IV	43.9 ( 70.6)
PAS	33.6300	119.0200	10/23/1981	172816.9	12.0	4.60	0.022	IV	44.0 ( 70.9)
DMG	34.5000	119.1170	11/17/1954	23 351.0	0.0	4.40	0.020	IV	44.2 ( 71.1)
DMG	33.5000	118.2500	06/18/1920	10 8 0.0	0.0	4.50	0.021	IV	44.3 ( 71.3)
PAS	34.0060	117.7390	02/18/1989	717 4.8	3.3	4.30	0.019	IV	44.5 ( 71.6)
MGI	33.7000	117.9000	07/08/1902	945 0.0	0.0	4.00	0.016	IV	44.6 ( 71.8)
DMG	33.6000	118.0170	12/25/1935	1715 0.0	0.0	4.50	0.021	IV	44.8 ( 72.1)
GSP	34.1100	117.7200	04/17/1990	223227.2	4.0	4.60	0.022	IV	45.0 ( 72.4)
PAS	33.6370	119.0560	10/23/1981	191552.5	6.3	4.60	0.022	IV	45.1 ( 72.6)
GSP	34.1500	117.7200	03/01/1990	032303.0	11.0	4.70	0.023	IV	45.1 ( 72.6)
DMG	34.4000	117.8000	02/24/1946	6 752.0	0.0	4.10	0.017	IV	45.2 ( 72.8)
DMG	33.6000	118.0000	03/11/1933	231 0.0	0.0	4.40	0.020	IV	45.4 ( 73.1)
DMG	33.6000	118.0000	03/11/1933	217 0.0	0.0	4.50	0.021	IV	45.4 ( 73.1)
DMG	33.5610	118.0580	01/15/1937	183547.0	10.0	4.00	0.016	IV	45.5 ( 73.3)
MGI	33.8000	117.8000	11/04/1926	2238 0.0	0.0	4.60	0.022	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	05/20/1917	945 0.0	0.0	4.00	0.016	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	11/07/1926	1948 0.0	0.0	4.60	0.022	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	05/19/1917	635 0.0	0.0	4.00	0.016	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	11/09/1926	1535 0.0	0.0	4.60	0.022	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	11/10/1926	1723 0.0	0.0	4.60	0.022	IV	45.7 ( 73.5)
MGI	33.8000	117.8000	05/19/1917	719 0.0	0.0	4.00	0.016	IV	45.7 ( 73.5)
PAS	34.1360	117.7090	06/26/1988	15 458.5	7.9	4.60	0.022	IV	45.7 ( 73.5)
DMG	33.6170	117.9670	03/11/1933	154 7.8	0.0	6.30	0.053	VI	45.8 ( 73.6)
PAS	33.6710	119.1110	09/04/1981	155050.3	5.0	5.30	0.031	V	45.8 ( 73.7)
DMG	33.7670	117.8170	08/22/1936	521 0.0	0.0	4.00	0.016	IV	45.9 ( 73.9)
GSP	34.1300	117.7000	03/01/1990	003457.1	4.0	4.00	0.016	IV	46.2 ( 74.3)
GSP	34.1400	117.7000	02/28/1990	234336.6	5.0	5.20	0.029	V	46.2 ( 74.4)
DMG	33.8540	117.7520	10/04/1961	22131.6	4.3	4.10	0.016	IV	46.6 ( 75.0)
MGI	34.0000	117.7000	12/03/1929	9 5 0.0	0.0	4.00	0.015	IV	46.7 ( 75.2)
GSP	34.1400	117.6900	03/02/1990	172625.4	6.0	4.60	0.021	IV	46.8 ( 75.3)
DMG	33.5170	118.1000	03/22/1941	82240.0	0.0	4.00	0.015	IV	46.8 ( 75.4)
GSP	33.9510	117.7090	01/05/1998	181406.5	11.0	4.30	0.018	IV	46.9 ( 75.5)
DMG	34.1000	117.6830	01/09/1934	1410 0.0	0.0	4.50	0.020	IV	47.1 ( 75.8)
DMG	34.1000	117.6830	01/18/1934	214 0.0	0.0	4.00	0.015	IV	47.1 ( 75.8)
MGI	34.3000	119.3000	09/28/1926	1749 0.0	0.0	4.00	0.015	IV	47.2 ( 76.0)
MGI	34.3000	119.3000	05/15/1927	1120 0.0	0.0	4.00	0.015	IV	47.2 ( 76.0)
MGI	34.3000	119.3000	05/01/1904	1830 0.0	0.0	4.60	0.021	IV	47.2 ( 76.0)
DMG	33.5750	117.9830	03/11/1933	518 4.0	0.0	5.20	0.029	V	47.4 ( 76.2)
DMG	33.5670	117.9830	04/17/1934	1833 0.0	0.0	4.00	0.015	IV	47.8 ( 76.9)
DMG	33.5670	117.9830	07/07/1937	1112 0.0	0.0	4.00	0.015	IV	47.8 ( 76.9)
PAS	33.5080	118.0710	11/20/1988	53928.7	6.0	4.50	0.020	IV	48.2 ( 77.6)
DMG	34.6170	119.0830	02/26/1950	0 622.0	0.0	4.70	0.022	IV	48.2 ( 77.6)
DMG	34.1500	119.3500	08/22/1950	224758.0	0.0	4.20	0.017	IV	48.3 ( 77.7)
GSP	33.6200	117.9000	04/07/1989	200730.2	13.0	4.50	0.020	IV	48.3 ( 77.7)
DMG	33.6040	119.1050	03/25/1956	332 2.3	8.2	4.20	0.017	IV	48.7 ( 78.4)
DMG	34.6830	119.0000	04/06/1943	223624.0	0.0	4.00	0.015	IV	48.8 ( 78.5)
MGI	34.4000	119.3000	08/12/1925	1845 0.0	0.0	4.00	0.015	IV	49.6 ( 79.8)
DMG	34.7170	118.9670	06/11/1935	1810 0.0	0.0	4.00	0.015	IV	49.7 ( 80.0)
DMG	34.7000	119.0000	10/23/1916	254 0.0	0.0	5.50	0.033	V	49.8 ( 80.1)
PAS	33.4710	118.0610	02/27/1984	101815.0	6.0	4.00	0.015	IV	50.7 ( 81.6)
DMG	34.1000	119.4000	05/19/1893	035 0.0	0.0	5.50	0.032	V	51.0 ( 82.1)

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 EARTHQUAKE SEARCH RESULTS  
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Page 9

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
T-A	34.8300	118.7500	11/27/1852	0 0 0.0	0.0	7.00	0.069	VI	51.9( 83.6)
DMG	34.7840	118.9020	07/27/1972	03117.4	8.0	4.40	0.018	IV	52.0( 83.7)
DMG	34.3700	117.6500	12/08/1812	15 0 0.0	0.0	7.00	0.069	VI	52.2( 84.1)
GSP	34.3740	117.6490	08/20/1998	234958.4	9.0	4.40	0.017	IV	52.4( 84.3)
DMG	33.5830	119.1830	02/10/1952	135055.0	0.0	4.00	0.014	IV	52.9( 85.2)
DMG	34.1830	117.5830	10/03/1948	24628.0	0.0	4.00	0.014	IV	53.1( 85.4)
DMG	34.3000	117.6000	07/30/1894	512 0.0	0.0	6.00	0.040	V	53.5( 86.1)
DMG	33.9500	117.5830	04/11/1941	12024.0	0.0	4.00	0.014	IV	54.0( 86.8)
GSP	34.4810	119.3530	10/23/1996	220929.4	14.0	4.20	0.015	IV	54.8( 88.2)
DMG	33.3670	118.1500	04/16/1942	72833.0	0.0	4.00	0.014	III	54.9( 88.4)
DMG	34.1830	117.5480	09/01/1937	163533.5	10.0	4.50	0.018	IV	55.1( 88.6)
DMG	34.3040	117.5700	05/05/1969	16 2 9.6	8.8	4.40	0.017	IV	55.3( 88.9)
DMG	33.5450	117.8070	10/27/1969	1316 2.3	6.5	4.50	0.018	IV	55.7( 89.7)
DMG	34.1670	117.5330	03/01/1948	81213.0	0.0	4.70	0.020	IV	55.8( 89.9)
DMG	34.2810	117.5520	09/13/1970	44748.6	8.0	4.40	0.017	IV	55.9( 89.9)
DMG	33.9860	119.4750	08/06/1973	232917.0	16.9	5.00	0.023	IV	56.0( 90.1)
MGI	33.8000	117.6000	04/22/1918	2115 0.0	0.0	5.00	0.023	IV	56.1( 90.2)
DMG	33.8000	117.6000	09/16/1903	1210 0.0	0.0	4.00	0.013	III	56.1( 90.2)
DMG	34.2110	117.5300	09/01/1937	1348 8.2	10.0	4.50	0.017	IV	56.3( 90.6)
PAS	34.2110	117.5300	10/19/1979	122237.8	4.9	4.10	0.014	IV	56.3( 90.6)
DMG	34.1270	117.5210	12/27/1938	10 928.6	10.0	4.00	0.013	III	56.4( 90.8)
DMG	34.2700	117.5400	09/12/1970	143053.0	8.0	5.40	0.028	V	56.4( 90.8)
DMG	34.8670	118.8670	07/22/1952	74455.0	0.0	4.10	0.014	IV	56.5( 90.8)
DMG	34.1400	117.5150	01/01/1965	8 418.0	5.9	4.40	0.016	IV	56.8( 91.4)
DMG	34.0000	119.5000	03/19/1905	440 0.0	0.0	4.00	0.013	III	57.2( 92.1)
DMG	34.0000	119.5000	02/18/1926	1818 0.0	0.0	5.00	0.022	IV	57.2( 92.1)
MGI	34.0000	119.5000	05/03/1926	1353 0.0	0.0	4.30	0.016	IV	57.2( 92.1)
DMG	34.8350	118.9880	11/29/1936	55445.3	10.0	4.00	0.013	III	57.3( 92.3)
DMG	33.4300	119.0960	10/31/1969	103929.0	7.3	4.80	0.020	IV	57.6( 92.6)
DMG	34.2500	119.5000	04/21/1917	659 0.0	0.0	4.00	0.013	III	57.6( 92.7)
DMG	34.2500	119.5000	04/13/1917	359 0.0	0.0	4.50	0.017	IV	57.6( 92.7)
DMG	34.2670	117.5180	09/12/1970	141011.2	8.0	4.10	0.014	IV	57.6( 92.7)
DMG	34.8670	118.9330	09/21/1941	1953 7.2	0.0	5.20	0.025	V	57.9( 93.2)
DMG	34.2000	117.5000	06/14/1892	1325 0.0	0.0	4.90	0.021	IV	57.9( 93.2)
MGI	34.0000	117.5000	12/16/1858	10 0 0.0	0.0	7.00	0.064	VI	58.1( 93.5)
DMG	34.0000	117.5000	07/03/1908	1255 0.0	0.0	4.00	0.013	III	58.1( 93.5)
DMG	33.9170	119.5000	08/26/1954	1348 3.0	0.0	4.80	0.020	IV	58.3( 93.8)
DMG	34.8000	119.1000	09/05/1883	1230 0.0	0.0	6.00	0.037	V	58.7( 94.4)
DMG	34.3490	119.4920	07/14/1958	52555.3	16.0	4.70	0.019	IV	58.7( 94.4)
DMG	34.1240	117.4800	05/15/1955	17 326.0	7.6	4.00	0.013	III	58.7( 94.5)
DMG	34.2670	119.5170	04/12/1944	153310.0	0.0	4.00	0.013	III	58.7( 94.5)
DMG	34.8430	119.0260	03/07/1939	195331.8	10.0	4.00	0.013	III	58.9( 94.8)
USG	34.4180	119.4680	09/07/1984	11 345.2	9.5	4.00	0.013	III	58.9( 94.8)
DMG	34.1160	117.4750	06/28/1960	20 048.0	12.0	4.10	0.014	III	59.0( 95.0)
DMG	34.3000	117.5000	07/22/1899	2032 0.0	0.0	6.50	0.048	VI	59.1( 95.1)
DMG	34.9000	118.9000	10/23/1916	244 0.0	0.0	6.00	0.037	V	59.3( 95.4)
PAS	34.9430	118.7430	06/10/1988	23 643.0	6.8	5.40	0.027	V	59.4( 95.6)
DMG	34.2170	117.4670	03/25/1941	234341.0	0.0	4.00	0.013	III	59.9( 96.4)
DMG	34.8670	119.0170	07/21/1952	2153 9.0	0.0	4.30	0.015	IV	60.1( 96.7)
DMG	34.9000	118.9500	08/01/1952	13 430.0	0.0	5.10	0.023	IV	60.4( 97.2)
PAS	34.1350	117.4480	01/08/1983	71930.4	4.6	4.10	0.013	III	60.6( 97.5)
DMG	34.8850	119.0020	02/23/1939	91846.7	10.0	4.50	0.016	IV	60.8( 97.8)
T-A	34.9200	118.9200	01/20/1857	0 0 0.0	0.0	5.00	0.021	IV	61.0( 98.1)

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EARTHQUAKE SEARCH RESULTS  
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Page 10

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
T-A	34.9200	118.9200	05/23/1857	0 0 0.0	0.0	5.00	0.021	IV	61.0( 98.1)
T-A	34.9200	118.9200	08/29/1857	0 0 0.0	0.0	4.30	0.015	IV	61.0( 98.1)
DMG	34.8830	119.0330	08/20/1952	84747.0	0.0	4.20	0.014	IV	61.5( 98.9)
DMG	34.2670	119.5670	06/29/1968	191357.0	10.0	4.40	0.015	IV	61.5( 99.0)
DMG	34.9110	118.9730	02/23/1939	84551.7	10.0	4.50	0.016	IV	61.6( 99.2)
DMG	34.1120	117.4260	03/19/1937	12338.4	10.0	4.00	0.012	III	61.8( 99.5)
DMG	34.9500	118.8670	07/21/1952	121936.0	0.0	5.30	0.025	V	61.8( 99.5)
DMG	34.1320	117.4260	04/15/1965	20 833.3	5.5	4.50	0.016	IV	61.8( 99.5)
DMG	33.6820	117.5530	07/05/1938	18 655.7	10.0	4.50	0.016	IV	62.0( 99.8)
DMG	34.2450	119.5880	06/29/1968	203633.6	1.8	4.00	0.012	III	62.5(100.5)
T-A	34.0000	117.4200	04/12/1888	1315 0.0	0.0	4.30	0.014	IV	62.6(100.8)
T-A	34.0000	117.4200	09/10/1920	1415 0.0	0.0	4.30	0.014	IV	62.6(100.8)
DMG	34.5000	118.9700	01/15/1955	1 3 6.7	9.1	4.30	0.014	IV	62.6(100.8)
DMG	33.7170	117.5170	06/19/1935	1117 0.0	0.0	4.00	0.012	III	62.7(101.0)
DMG	34.9030	119.0380	05/08/1939	248 5.3	10.0	4.50	0.016	IV	62.8(101.1)
DMG	34.5000	119.5000	06/29/1926	2321 0.0	0.0	5.50	0.027	V	62.8(101.1)
DMG	34.5000	119.5000	12/05/1920	1158 0.0	0.0	4.50	0.016	IV	62.8(101.1)
DMG	34.5000	119.5000	08/05/1930	1125 0.0	0.0	5.00	0.021	IV	62.8(101.1)
DMG	34.9000	119.0500	07/22/1952	143018.0	0.0	4.30	0.014	IV	63.0(101.3)
DMG	34.9320	118.9760	03/01/1963	02557.9	13.9	5.00	0.021	IV	63.0(101.4)
DMG	33.3390	119.1040	10/24/1969	202642.5	-1.8	4.70	0.018	IV	63.0(101.4)
DMG	35.0000	118.7330	04/29/1953	124745.0	0.0	4.70	0.018	IV	63.1(101.6)
DMG	35.0000	118.7330	08/23/1952	6 3 3.0	0.0	4.30	0.014	IV	63.1(101.6)
DMG	33.7170	117.5070	08/06/1938	22 056.0	10.0	4.00	0.012	III	63.3(101.8)
DMG	34.3330	119.5830	11/21/1941	1656 3.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	9 5 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	09/08/1941	31423.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	11/18/1941	18 810.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	09/08/1941	31245.0	0.0	4.50	0.016	IV	63.4(102.0)
DMG	34.3330	119.5830	07/03/1941	1926 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	09/15/1941	137 2.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	830 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	848 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	10/02/1938	1845 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/12/1941	1618 0.0	0.0	4.50	0.016	IV	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	2354 0.0	0.0	4.50	0.016	IV	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	821 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	819 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	1820 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	945 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/02/1941	2219 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	09/14/1941	14518.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	858 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	09/25/1941	51256.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	34.3330	119.5830	07/01/1941	1025 0.0	0.0	4.00	0.012	III	63.4(102.0)
DMG	33.7250	117.4980	01/03/1956	02548.9	13.7	4.70	0.018	IV	63.5(102.2)
DMG	34.9500	118.9500	10/16/1952	1222 7.0	0.0	4.30	0.014	IV	63.5(102.3)
DMG	33.6990	117.5110	05/31/1938	83455.4	10.0	5.50	0.027	V	63.6(102.4)
DMG	34.2000	117.4000	07/22/1899	046 0.0	0.0	5.50	0.027	V	63.6(102.4)
DMG	34.9450	118.9680	03/04/1963	201042.3	8.5	4.00	0.012	III	63.6(102.4)
MGI	34.0000	117.4000	05/22/1907	652 0.0	0.0	4.60	0.017	IV	63.8(102.6)
DMG	34.9410	118.9870	11/15/1961	53855.5	10.7	5.00	0.021	IV	63.8(102.7)
DMG	33.7480	117.4790	06/22/1971	104119.0	8.0	4.20	0.014	III	63.9(102.8)

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EARTHQUAKE SEARCH RESULTS  
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Page 11

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.3670	119.5830	07/01/1941	75054.8	0.0	5.90	0.033	V	64.0(103.0)
DMG	34.2550	119.6140	07/31/1968	224445.3	15.0	4.00	0.012	III	64.1(103.1)
GSP	34.1900	117.3900	12/28/1989	094108.1	15.0	4.50	0.016	IV	64.1(103.2)
USG	34.1390	117.3860	02/21/1987	231530.1	2.6	4.07	0.013	III	64.1(103.2)
DMG	33.6670	119.5000	11/30/1939	64251.0	0.0	4.00	0.012	III	64.4(103.7)
PAS	34.2510	119.6220	03/23/1988	84247.0	16.4	4.00	0.012	III	64.5(103.7)
DMG	35.0000	118.8330	12/01/1952	52610.0	0.0	4.40	0.015	IV	64.5(103.8)
DMG	35.0000	118.8330	07/23/1952	181351.0	0.0	5.20	0.023	IV	64.5(103.8)
DMG	35.0000	118.8330	07/23/1952	75319.0	0.0	5.40	0.025	V	64.5(103.8)
DMG	34.9830	118.9000	03/23/1953	17 637.0	0.0	4.00	0.012	III	64.6(104.0)
DMG	34.9830	118.9000	07/24/1952	95032.0	0.0	4.30	0.014	IV	64.6(104.0)
DMG	34.9670	118.9500	11/27/1952	153641.0	0.0	4.00	0.012	III	64.6(104.0)
DMG	34.9670	118.9500	07/30/1952	11 255.0	0.0	4.10	0.013	III	64.6(104.0)
DMG	34.2540	119.6280	07/08/1968	91837.2	15.7	4.00	0.012	III	64.8(104.3)
DMG	33.7330	117.4670	10/26/1954	162226.0	0.0	4.10	0.013	III	64.9(104.4)
DMG	34.9500	119.0170	11/11/1952	181225.0	0.0	4.10	0.013	III	65.1(104.8)
DMG	34.1830	119.6460	06/29/1968	63320.9	8.4	4.00	0.012	III	65.3(105.1)
DMG	34.9330	119.0670	02/10/1954	235838.0	0.0	4.50	0.016	IV	65.4(105.3)
DMG	34.8410	119.2400	01/11/1958	23 847.4	10.8	4.00	0.012	III	65.7(105.8)
DMG	34.9670	119.0000	09/02/1952	204556.0	0.0	4.70	0.017	IV	65.8(105.9)
DMG	34.9220	119.1030	01/09/1963	6 4 3.8	8.7	4.00	0.012	III	65.8(105.9)
DMG	33.8330	117.4000	06/05/1940	82727.0	0.0	4.00	0.012	III	66.1(106.4)
DMG	34.2500	119.6540	06/29/1968	153242.8	14.6	4.10	0.012	III	66.3(106.6)
DMG	35.0630	118.4230	08/26/1952	205640.6	-0.8	4.40	0.015	IV	66.3(106.7)
DMG	33.9330	117.3670	10/24/1943	02921.0	0.0	4.00	0.012	III	66.3(106.7)
DMG	34.0330	117.3500	04/18/1940	184343.9	0.0	4.40	0.015	IV	66.4(106.8)
DMG	34.9830	118.9830	05/23/1954	235243.0	0.0	5.10	0.021	IV	66.4(106.8)
DMG	34.1180	117.3410	09/22/1951	82239.1	11.9	4.30	0.014	IV	66.7(107.3)
DMG	35.0670	118.6170	07/23/1952	235136.0	0.0	4.00	0.012	III	66.7(107.4)
DMG	34.1400	117.3390	02/26/1936	93327.6	10.0	4.00	0.012	III	66.8(107.5)
DMG	34.1270	117.3380	02/23/1936	222042.7	10.0	4.50	0.015	IV	66.9(107.6)
DMG	35.0330	118.8500	10/07/1953	145921.0	0.0	4.90	0.019	IV	67.0(107.8)
GSP	34.1680	117.3370	06/28/1997	214525.1	9.0	4.20	0.013	III	67.0(107.9)
DMG	34.9830	119.0330	07/21/1952	235328.0	0.0	4.50	0.015	IV	67.6(108.8)
DMG	35.0830	118.5830	08/04/1952	535 0.0	0.0	4.00	0.012	III	67.7(108.9)
DMG	35.0830	118.5830	07/22/1952	81624.0	0.0	4.40	0.014	IV	67.7(108.9)
DMG	35.0000	119.0000	07/21/1952	1359 0.0	0.0	4.60	0.016	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1218 0.0	0.0	4.40	0.014	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	12 7 0.0	0.0	4.70	0.017	IV	67.8(109.2)
DMG	35.0000	119.0000	07/22/1952	191024.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1239 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1417 0.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1222 0.0	0.0	4.90	0.019	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1336 0.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1210 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	14 6 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	07/25/1952	0 3 0.0	0.0	4.00	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1228 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	01/25/1919	2229 0.0	0.0	4.00	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1225 0.0	0.0	4.70	0.017	IV	67.8(109.2)
DMG	35.0000	119.0000	07/22/1952	133143.0	0.0	4.80	0.018	IV	67.8(109.2)
DMG	35.0000	119.0000	08/10/1952	194424.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1536 0.0	0.0	4.20	0.013	III	67.8(109.2)

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EARTHQUAKE SEARCH RESULTS  
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Page 12

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.0000	119.0000	07/21/1952	1415 0.0	0.0	4.40	0.014	IV	67.8(109.2)
DMG	35.0000	119.0000	07/22/1952	175236.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	132512.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	12 6 0.0	0.0	4.80	0.018	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1212 0.0	0.0	4.60	0.016	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	12 531.0	0.0	6.40	0.041	V	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1442 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1311 0.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	13 8 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1617 0.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	02/16/1919	1557 0.0	0.0	5.00	0.020	IV	67.8(109.2)
DMG	35.0000	119.0000	03/13/1929	228 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1317 0.0	0.0	4.00	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/22/1952	82122.0	0.0	4.10	0.012	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1553 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1451 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	07/23/1952	043 8.0	0.0	4.40	0.014	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1259 0.0	0.0	4.20	0.013	III	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	18 0 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1638 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1313 0.0	0.0	4.50	0.015	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1240 0.0	0.0	4.90	0.019	IV	67.8(109.2)
DMG	35.0000	119.0000	07/21/1952	1542 0.0	0.0	4.20	0.013	III	67.8(109.2)
T-A	34.1700	117.3200	12/02/1859	2210 0.0	0.0	4.30	0.014	III	68.0(109.4)
DMG	34.2120	119.6910	06/26/1968	181111.2	13.9	4.00	0.012	III	68.0(109.5)
DMG	35.0670	118.7670	07/22/1952	21 211.0	0.0	4.20	0.013	III	68.0(109.5)
DMG	35.0330	118.9170	07/23/1952	211658.0	0.0	4.10	0.012	III	68.2(109.7)
DMG	35.0000	119.0170	01/12/1954	233349.0	0.0	5.90	0.031	V	68.3(109.8)
DMG	35.0000	119.0170	07/21/1952	115214.0	0.0	7.70	0.081	VII	68.3(109.8)
DMG	35.0000	119.0170	05/25/1953	324 1.0	0.0	4.80	0.018	IV	68.3(109.8)
DMG	34.0330	117.3170	09/03/1935	647 0.0	0.0	4.50	0.015	IV	68.3(109.8)
DMG	34.1180	119.7020	07/05/1968	04517.2	5.9	5.20	0.022	IV	68.3(109.9)
PAS	35.0950	118.5190	06/22/1981	45747.3	5.0	4.00	0.012	III	68.4(110.0)
DMG	35.0330	118.9330	07/22/1952	223133.0	0.0	4.70	0.017	IV	68.5(110.2)
DMG	35.0170	118.9830	08/17/1952	9 9 7.0	0.0	4.10	0.012	III	68.5(110.3)
DMG	33.2910	119.1930	10/24/1969	82912.1	10.0	5.10	0.021	IV	68.6(110.4)
DMG	35.0000	119.0330	07/21/1952	1154 0.0	0.0	4.50	0.015	IV	68.6(110.5)
DMG	35.0000	119.0330	07/21/1952	1155 0.0	0.0	4.50	0.015	IV	68.6(110.5)
DMG	35.0000	119.0330	07/21/1952	1159 0.0	0.0	4.50	0.015	IV	68.6(110.5)
DMG	35.0000	119.0330	07/21/1952	1158 0.0	0.0	4.60	0.016	IV	68.6(110.5)
DMG	35.0000	119.0330	07/21/1952	1157 0.0	0.0	4.50	0.015	IV	68.6(110.5)
DMG	35.0000	119.0330	07/21/1952	12 2 0.0	0.0	5.60	0.027	V	68.6(110.5)
DMG	34.2530	119.6980	06/29/1968	191221.3	9.5	4.20	0.013	III	68.8(110.7)
DMG	35.0830	118.7500	07/26/1952	18 244.0	0.0	4.00	0.011	III	68.9(110.9)
DMG	35.0830	118.7500	07/26/1952	15 831.0	0.0	4.40	0.014	IV	68.9(110.9)
DMG	35.0830	118.7500	07/22/1952	84734.0	0.0	4.70	0.017	IV	68.9(110.9)
DMG	35.0500	118.9000	09/25/1952	162136.0	0.0	4.10	0.012	III	69.0(111.0)
DMG	35.1000	118.6170	09/26/1952	202120.0	0.0	4.00	0.011	III	69.0(111.0)
MGI	34.1000	117.3000	07/15/1905	2041 0.0	0.0	5.30	0.023	IV	69.0(111.1)
MGI	34.1000	117.3000	12/27/1901	11 0 0.0	0.0	4.60	0.016	IV	69.0(111.1)
MGI	34.1000	117.3000	11/22/1911	257 0.0	0.0	4.00	0.011	III	69.0(111.1)
DMG	34.1000	117.3000	02/16/1931	1327 0.0	0.0	4.00	0.011	III	69.0(111.1)
DMG	35.0000	119.0500	09/12/1952	103525.0	0.0	4.50	0.015	IV	69.1(111.2)

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EARTHQUAKE SEARCH RESULTS  
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Page 13

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.2000	117.3000	04/13/1913	1045 0.0	0.0	4.00	0.011	III	69.3(111.5)
DMG	33.7000	117.4000	05/13/1910	620 0.0	0.0	5.00	0.019	IV	69.3(111.6)
DMG	33.7000	117.4000	04/11/1910	757 0.0	0.0	5.00	0.019	IV	69.3(111.6)
DMG	33.7000	117.4000	05/15/1910	1547 0.0	0.0	6.00	0.033	V	69.3(111.6)
GSP	35.0980	118.3060	12/31/1995	214823.1	7.0	4.00	0.011	III	69.5(111.9)
DMG	34.0720	119.7230	07/05/1968	23614.1	4.3	4.00	0.011	III	69.5(111.9)
DMG	34.3170	119.7000	10/21/1953	16 238.0	0.0	4.00	0.011	III	69.7(112.1)
DMG	35.0670	118.8830	08/17/1952	21 442.0	0.0	4.30	0.013	III	69.8(112.3)
DMG	35.0670	118.8830	08/14/1952	114146.0	0.0	4.20	0.013	III	69.8(112.3)
PAS	34.3470	119.6960	08/13/1978	225453.4	12.8	5.10	0.020	IV	69.9(112.5)
DMG	35.1170	118.4810	05/01/1953	64820.9	2.4	4.10	0.012	III	69.9(112.5)
DMG	35.0330	119.0000	07/22/1952	101939.0	0.0	4.10	0.012	III	69.9(112.5)
DMG	35.0000	119.0830	11/07/1952	85535.0	0.0	4.60	0.016	IV	69.9(112.5)
DMG	35.0500	118.9500	08/17/1952	614 4.0	0.0	4.00	0.011	III	69.9(112.5)
DMG	35.0500	118.9500	11/14/1952	2334 1.4	0.0	4.00	0.011	III	69.9(112.5)
DMG	35.0170	119.0500	08/05/1953	122059.0	0.0	4.30	0.013	III	70.1(112.8)
DMG	34.1920	119.7330	07/05/1968	036 6.4	15.6	4.00	0.011	III	70.3(113.1)
DMG	34.0000	117.2830	11/07/1939	1852 8.4	0.0	4.70	0.016	IV	70.4(113.3)
PAS	35.0000	119.1030	05/13/1975	02135.6	19.1	4.50	0.015	IV	70.5(113.4)
DMG	33.4000	119.4000	07/24/1947	1654 2.0	0.0	4.30	0.013	III	70.7(113.7)
DMG	35.0670	118.9330	07/23/1952	223220.0	0.0	4.10	0.012	III	70.7(113.8)
PAS	35.0460	119.0010	06/05/1975	144645.3	9.0	4.10	0.012	III	70.8(113.9)
DMG	35.0450	119.0040	03/23/1956	212327.1	12.1	4.30	0.013	III	70.8(113.9)
DMG	35.1330	118.5170	07/28/1952	54554.0	0.0	4.20	0.012	III	71.0(114.2)
DMG	35.1330	118.5170	08/14/1952	72822.0	0.0	4.10	0.012	III	71.0(114.2)
DMG	35.1330	118.5170	07/23/1952	152524.0	0.0	4.00	0.011	III	71.0(114.2)
DMG	35.1330	118.5170	07/22/1952	141 2.0	0.0	4.50	0.015	IV	71.0(114.2)
MGI	34.4000	119.7000	08/09/1926	412 0.0	0.0	4.00	0.011	III	71.0(114.3)
MGI	34.4000	119.7000	07/06/1926	1745 0.0	0.0	4.00	0.011	III	71.0(114.3)
MGI	34.4000	119.7000	06/24/1926	1530 0.0	0.0	4.00	0.011	III	71.0(114.3)
MGI	34.4000	119.7000	03/25/1806	8 0 0.0	0.0	5.00	0.019	IV	71.0(114.3)
MGI	34.4000	119.7000	08/26/1927	1240 0.0	0.0	4.00	0.011	III	71.0(114.3)
DMG	35.0330	119.0500	07/27/1952	71611.0	0.0	4.10	0.012	III	71.1(114.4)
DMG	35.0330	119.0500	08/18/1952	44010.0	0.0	4.70	0.016	IV	71.1(114.4)
DMG	35.0330	119.0500	08/07/1952	163151.0	0.0	4.90	0.018	IV	71.1(114.4)
DMG	33.9960	117.2700	02/17/1952	123658.3	16.0	4.50	0.015	IV	71.2(114.5)
DMG	34.1760	119.7540	07/07/1968	143330.8	12.8	4.50	0.015	IV	71.4(114.9)
T-A	34.5000	119.6700	05/31/1854	1250 0.0	0.0	4.30	0.013	III	71.7(115.4)
T-A	34.5000	119.6700	06/25/1855	22 0 0.0	0.0	4.30	0.013	III	71.7(115.4)
T-A	34.5000	119.6700	07/09/1885	0 0 0.0	0.0	4.30	0.013	III	71.7(115.4)
T-A	34.5000	119.6700	03/14/1857	23 0 0.0	0.0	4.30	0.013	III	71.7(115.4)
T-A	34.5000	119.6700	02/09/1902	15 0 0.0	0.0	4.30	0.013	III	71.7(115.4)
T-A	34.5000	119.6700	06/01/1893	12 0 0.0	0.0	5.00	0.019	IV	71.7(115.4)
DMG	35.0670	118.9830	08/04/1952	194750.0	0.0	4.00	0.011	III	71.7(115.4)
DMG	35.1330	118.7000	09/02/1952	124132.0	0.0	4.60	0.015	IV	71.8(115.6)
T-A	34.0800	117.2500	10/07/1869	0 0 0.0	0.0	4.30	0.013	III	71.9(115.7)
DMG	34.0000	117.2500	11/01/1932	445 0.0	0.0	4.00	0.011	III	72.3(116.3)
DMG	34.0000	117.2500	07/23/1923	73026.0	0.0	6.25	0.036	V	72.3(116.3)
DMG	35.0330	119.1000	01/13/1954	14531.0	0.0	4.40	0.014	III	72.4(116.5)
DMG	35.0330	119.1000	01/12/1954	234037.0	0.0	4.10	0.012	III	72.4(116.5)
DMG	35.0330	119.1000	09/02/1953	152756.0	0.0	4.00	0.011	III	72.4(116.5)
DMG	35.0330	119.1000	02/07/1954	0 953.0	0.0	4.40	0.014	III	72.4(116.5)
PAS	34.0230	117.2450	10/02/1985	234412.4	15.2	4.80	0.017	IV	72.4(116.5)

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 EARTHQUAKE SEARCH RESULTS  
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Page 14

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.1330	118.7670	07/25/1952	143442.0	0.0	4.40	0.014	III	72.5 (116.7)
DMG	35.1330	118.7670	07/21/1952	194122.0	0.0	5.50	0.024	V	72.5 (116.7)
DMG	35.1500	118.6330	01/27/1954	141948.0	0.0	5.00	0.019	IV	72.5 (116.7)
DMG	34.4900	119.6910	09/16/1962	181235.2	13.3	4.00	0.011	III	72.6 (116.8)
PAS	35.0180	119.1410	11/10/1981	223435.5	3.1	4.50	0.014	IV	72.6 (116.8)
DMG	35.0670	119.0330	07/27/1952	113438.0	0.0	4.10	0.012	III	72.8 (117.2)
DMG	35.0670	119.0330	07/23/1952	175329.0	0.0	4.10	0.012	III	72.8 (117.2)
DMG	35.1500	118.6830	08/13/1952	173925.0	0.0	4.70	0.016	IV	72.8 (117.2)
DMG	35.0660	119.0490	01/24/1974	5 2 0.8	6.4	4.30	0.013	III	73.1 (117.7)
DMG	34.3250	119.7610	08/09/1956	0 849.2	4.0	4.00	0.011	III	73.2 (117.8)
GSP	34.0240	117.2300	03/11/1998	121851.8	14.0	4.50	0.014	IV	73.3 (117.9)
DMG	34.0430	117.2280	04/03/1939	25044.7	10.0	4.00	0.011	III	73.3 (117.9)
MGI	34.5000	119.7000	08/26/1919	1457 0.0	0.0	4.00	0.011	III	73.3 (117.9)
MGI	34.5000	119.7000	07/29/1925	14 0 0.0	0.0	4.00	0.011	III	73.3 (117.9)
MGI	34.5000	119.7000	08/26/1919	1212 0.0	0.0	4.00	0.011	III	73.3 (117.9)
PAS	35.0120	119.1790	11/10/1981	2237 5.0	9.4	4.20	0.012	III	73.3 (118.0)
DMG	35.1000	119.9670	08/25/1952	62026.0	0.0	4.70	0.016	IV	73.5 (118.3)
PAS	35.0350	119.1370	06/16/1978	42131.6	1.8	4.30	0.013	III	73.5 (118.3)
DMG	35.0670	119.0670	02/24/1954	223022.0	0.0	4.50	0.014	IV	73.6 (118.5)
DMG	34.3500	119.7670	11/10/1940	102510.0	0.0	4.00	0.011	III	73.9 (118.9)
DMG	34.2000	119.8000	12/21/1812	19 0 0.0	0.0	7.00	0.053	VI	74.1 (119.3)
DMG	35.1000	119.0000	07/22/1952	14 511.0	0.0	4.30	0.013	III	74.2 (119.4)
DMG	35.1000	119.0000	07/24/1952	311 7.0	0.0	4.10	0.011	III	74.2 (119.4)
DMG	35.0500	119.1330	08/06/1953	1120 4.0	0.0	4.40	0.013	III	74.3 (119.6)
DMG	35.0500	119.1330	05/23/1953	75255.0	0.0	4.20	0.012	III	74.3 (119.6)
DMG	35.1830	118.6000	07/29/1952	154950.0	0.0	4.90	0.017	JV	74.6 (120.1)
DMG	35.1830	118.6000	07/26/1952	2241 3.0	0.0	4.60	0.015	IV	74.6 (120.1)
DMG	35.1830	118.6000	07/26/1952	63850.0	0.0	4.00	0.011	III	74.6 (120.1)
MGI	34.1000	117.2000	04/23/1923	2113 0.0	0.0	4.00	0.011	III	74.7 (120.3)
DMG	33.0380	118.7340	09/13/1937	221439.5	10.0	4.00	0.011	III	74.8 (120.4)
DMG	35.1830	118.6500	07/21/1952	151358.0	0.0	5.10	0.019	IV	74.9 (120.5)
MGI	34.3000	119.8000	07/03/1925	1821 0.0	0.0	5.30	0.021	IV	75.0 (120.7)
DMG	34.3000	119.8000	06/29/1925	144216.0	0.0	6.25	0.035	V	75.0 (120.7)
MGI	34.3000	119.8000	07/03/1925	1638 0.0	0.0	5.30	0.021	IV	75.0 (120.7)
DMG	35.1940	118.4650	07/22/1952	19 858.2	3.7	4.30	0.013	III	75.2 (121.1)
DMG	35.0500	119.1670	12/14/1950	135623.0	0.0	4.40	0.013	III	75.3 (121.1)
DMG	35.1990	118.5310	09/01/1961	165148.9	4.5	4.00	0.011	III	75.5 (121.6)
DMG	34.4710	119.7570	11/16/1958	934 6.1	15.2	4.00	0.011	III	75.6 (121.7)
DMG	35.2000	118.6330	07/22/1952	321 5.0	0.0	4.40	0.013	III	75.9 (122.2)
DMG	35.1000	119.0830	07/24/1946	019 8.0	0.0	4.00	0.011	III	76.1 (122.4)
DMG	35.1000	119.0830	12/06/1934	743 0.0	0.0	4.00	0.011	III	76.1 (122.4)
DMG	33.9000	117.2000	12/19/1880	0 0 0.0	0.0	6.00	0.030	V	76.2 (122.5)
MGI	34.4000	119.8000	09/09/1929	515 0.0	0.0	4.60	0.014	IV	76.5 (123.2)
PAS	34.4020	119.8020	03/10/1986	153316.3	18.0	4.10	0.011	III	76.7 (123.4)
DMG	35.0500	119.2330	08/19/1952	191226.0	0.0	4.50	0.014	III	77.2 (124.2)
DMG	34.3330	119.8330	06/26/1933	62542.0	0.0	4.30	0.012	III	77.3 (124.4)
DMG	34.3330	119.8330	06/26/1933	62752.0	0.0	4.30	0.012	III	77.3 (124.4)
DMG	35.2170	118.6670	09/14/1952	204324.0	0.0	4.10	0.011	III	77.3 (124.4)
DMG	35.2290	118.5130	06/28/1957	1132 0.8	1.6	4.10	0.011	III	77.6 (124.9)
DMG	35.2330	118.5330	07/22/1952	15 314.0	0.0	4.20	0.012	III	77.9 (125.4)
DMG	35.2330	118.5330	07/29/1952	173643.0	0.0	4.40	0.013	III	77.9 (125.4)
DMG	35.2330	118.5330	07/24/1952	1735 6.0	0.0	4.20	0.012	III	77.9 (125.4)
DMG	35.2330	118.5330	03/17/1953	161517.0	0.0	4.00	0.010	III	77.9 (125.4)

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EARTHQUAKE SEARCH RESULTS  
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Page 15

FILE	LAT.	LONG.	DATE	TIME	DEPTH	QUAKE	SITE	SITE	APPROX.
CODE	NORTH	WEST		(UTC) H M Sec	(km)	MAG.	ACC. g	MM INT.	DISTANCE mi [km]
DMG	35.2330	118.5330	07/30/1952	144650.0	0.0	4.10	0.011	III	77.9(125.4)
DMG	35.2330	118.5330	07/21/1952	174244.0	0.0	5.10	0.019	IV	77.9(125.4)
T-A	34.4200	119.8200	00/00/1862	0 0 0.0	0.0	5.70	0.025	V	78.0(125.5)
DMG	35.2350	118.5480	03/03/1973	181449.5	8.0	4.00	0.010	III	78.1(125.6)
DMG	35.2330	118.6000	07/22/1952	91025.0	0.0	4.50	0.014	IFI	78.1(125.6)
DMG	35.2330	118.6000	01/10/1953	221738.0	0.0	4.00	0.010	III	78.1(125.6)
DMG	35.2390	118.5180	07/21/1952	2021 5.1	-2.0	4.20	0.012	III	78.3(126.0)
DMG	35.1500	119.0500	11/11/1952	1722 8.0	0.0	4.20	0.012	III	78.5(126.3)
DMG	35.2410	118.5600	07/21/1952	1912 7.4	5.8	4.30	0.012	III	78.5(126.3)
DMG	35.2170	118.8170	07/23/1952	1317 5.0	0.0	5.70	0.025	V	78.8(126.8)
DMG	35.2170	118.8170	12/15/1953	124436.0	0.0	4.60	0.014	IV	78.8(126.8)
DMG	35.2500	118.4830	07/23/1952	1330 4.0	0.0	4.40	0.013	III	79.1(127.2)
DMG	35.2500	118.4830	07/23/1952	93842.0	0.0	4.20	0.011	III	79.1(127.2)
DMG	35.0830	119.2330	03/03/1956	62412.0	0.0	4.20	0.011	III	79.1(127.3)
DMG	33.2670	119.4500	11/18/1947	2159 3.0	0.0	5.00	0.017	IV	79.2(127.5)
GSP	35.1490	119.1040	05/28/1993	044740.6	21.0	5.20	0.019	IV	79.7(128.2)
GSP	32.9750	118.7910	03/04/1992	190627.0	6.0	4.20	0.011	III	79.7(128.3)
DMG	33.7380	117.1870	04/27/1962	91232.1	5.7	4.10	0.011	III	79.8(128.4)
DMG	35.2670	118.4500	07/21/1952	191619.0	0.0	4.30	0.012	III	80.3(129.2)
GSP	35.2100	118.0660	07/11/1992	181416.2	10.0	5.70	0.025	V	80.3(129.2)
DMG	34.2000	117.1000	09/20/1907	154 0.0	0.0	6.00	0.029	V	80.7(129.8)
PAS	33.0330	117.9440	02/22/1983	21830.4	10.0	4.30	0.012	III	80.8(130.0)
GSP	34.1920	117.0950	04/06/1994	190104.1	7.0	4.80	0.015	IV	80.9(130.2)
DMG	35.2830	118.5500	07/26/1952	922 6.0	0.0	4.30	0.012	III	81.4(130.9)
DMG	35.2830	118.5500	07/23/1952	737 0.0	0.0	4.80	0.015	IV	81.4(130.9)
DMG	35.2830	118.5500	08/01/1952	31611.6	0.0	4.50	0.013	III	81.4(130.9)
DMG	35.2830	118.5500	07/22/1952	15151.0	0.0	4.40	0.012	III	81.4(130.9)
DMG	35.2830	118.5500	07/23/1952	34928.0	0.0	4.70	0.015	IV	81.4(130.9)
DMG	35.2830	118.5500	07/31/1952	41022.0	0.0	4.20	0.011	III	81.4(130.9)
DMG	35.2830	118.5830	07/31/1952	1719 8.0	0.0	4.50	0.013	III	81.4(131.1)
DMG	35.1840	119.0990	07/01/1959	234923.4	9.0	4.70	0.015	IV	81.7(131.5)
DMG	35.2890	118.4600	07/26/1952	1 221.3	10.8	4.20	0.011	III	81.8(131.6)
DMG	35.2900	118.4700	07/24/1952	12 757.6	14.1	4.10	0.011	III	81.8(131.7)
DMG	35.2890	118.4110	08/10/1952	122318.0	4.0	4.60	0.014	III	81.9(131.8)
DMG	35.2940	118.4010	08/13/1952	42940.6	14.5	4.60	0.014	III	82.3(132.5)
DMG	35.3000	118.5000	02/19/1953	812 6.0	0.0	4.40	0.012	III	82.5(132.8)
DMG	35.3000	118.5330	07/21/1952	182338.0	0.0	4.50	0.013	III	82.5(132.8)
DMG	35.3000	118.5330	07/21/1952	182628.0	0.0	4.10	0.011	III	82.5(132.8)
DMG	35.3000	118.5330	09/02/1952	1638 9.0	0.0	4.00	0.010	III	82.5(132.8)
DMG	35.3000	118.5330	07/30/1952	95929.0	0.0	4.00	0.010	III	82.5(132.8)
DMG	35.2990	118.4350	07/25/1952	20 6 6.1	-1.4	4.80	0.015	IV	82.5(132.8)
DMG	35.3000	118.4320	07/23/1952	61045.9	14.5	4.20	0.011	III	82.6(133.0)
DMG	35.3030	118.4810	09/04/1952	18 649.1	5.8	4.40	0.012	III	82.7(133.1)
DMG	35.3030	118.4730	08/01/1952	213522.4	4.2	4.00	0.010	III	82.7(133.1)
DMG	35.3050	118.5070	08/09/1952	10 732.1	-2.0	4.20	0.011	III	82.9(133.3)
DMG	35.3000	118.6670	08/13/1952	212548.0	0.0	4.10	0.010	III	83.0(133.6)
DMG	35.3080	118.5160	07/31/1952	19 515.4	7.3	4.00	0.010	III	83.1(133.7)
DMG	35.3110	118.4990	07/25/1952	1313 8.2	2.8	5.00	0.017	IV	83.3(134.0)
DMG	35.3130	118.4890	10/20/1952	181443.6	14.0	4.30	0.012	III	83.4(134.2)
DMG	35.3140	118.5300	07/26/1952	225856.1	6.8	4.30	0.012	III	83.5(134.3)
DMG	35.3140	118.4820	08/30/1952	45559.8	5.5	4.70	0.014	IV	83.5(134.3)
DMG	35.1830	119.1740	06/04/1956	83319.3	14.3	4.00	0.010	III	83.5(134.4)
DMG	35.3150	118.5160	07/25/1952	194323.7	11.2	5.70	0.024	V	83.5(134.4)



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EARTHQUAKE SEARCH RESULTS  
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Page 16

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0170	117.0500	02/19/1940	12 655.7	0.0	4.60	0.014	III	83.6(134.5)
DMG	35.3160	118.5140	07/24/1952	14 525.9	5.4	4.30	0.012	III	83.6(134.6)
DMG	35.3160	118.4870	09/15/1952	44013.2	4.2	4.90	0.016	IV	83.6(134.6)
DMG	35.3170	118.4940	07/25/1952	19 944.6	5.5	5.70	0.024	V	83.7(134.7)
DMG	35.3200	118.5180	07/27/1952	0 915.6	6.5	4.20	0.011	III	83.9(135.0)
DMG	35.3210	118.4940	02/11/1955	194431.5	14.7	4.50	0.013	III	84.0(135.1)
DMG	35.3210	118.5400	07/24/1952	141012.2	9.5	4.00	0.010	III	84.0(135.1)
DMG	35.3000	118.8000	12/23/1905	2223 0.0	0.0	5.00	0.017	IV	84.2(135.4)
DMG	35.3240	118.4860	01/20/1953	81322.8	7.2	4.00	0.010	III	84.2(135.5)
DMG	35.3300	118.5070	05/29/1968	22938.7	3.1	4.00	0.010	III	84.6(136.1)
DMG	35.3330	118.5330	08/01/1952	103556.0	0.0	4.00	0.010	III	84.8(136.5)
DMG	35.3330	118.5670	08/08/1952	51718.0	0.0	4.00	0.010	III	84.9(136.5)
DMG	35.3350	118.4740	07/23/1952	172224.0	6.6	4.50	0.013	III	84.9(136.7)
DMG	35.3330	118.6000	08/10/1952	6 118.0	0.0	4.00	0.010	III	84.9(136.7)
DMG	35.3330	118.6000	07/31/1952	12 9 9.0	0.0	5.80	0.025	V	84.9(136.7)
DMG	35.3330	118.6000	09/16/1952	142454.0	0.0	4.00	0.010	III	84.9(136.7)
DMG	35.3330	118.6000	07/23/1952	164853.0	0.0	4.50	0.013	III	84.9(136.7)
DMG	35.3330	118.6000	07/23/1952	161838.0	0.0	4.50	0.013	III	84.9(136.7)
USG	33.0170	117.8170	07/14/1986	11112.6	10.0	4.12	0.010	III	85.0(136.7)
USG	33.0170	117.8170	07/16/1986	1247 3.7	10.0	4.11	0.010	III	85.0(136.7)
DMG	35.3360	118.4720	07/23/1952	105413.5	19.7	4.10	0.010	III	85.0(136.8)
DMG	35.3370	118.5370	08/30/1952	45954.8	3.5	4.00	0.010	III	85.1(136.9)
DMG	35.3380	118.5230	08/06/1952	34624.2	12.6	4.30	0.011	III	85.1(137.0)
GSP	34.1800	117.0200	12/04/1991	081703.0	11.0	4.00	0.010	III	85.1(137.0)
DMG	35.3400	118.4730	07/24/1952	5 249.6	2.1	4.50	0.013	III	85.3(137.3)
DMG	33.1500	119.4500	01/05/1940	62052.0	0.0	4.00	0.010	III	85.3(137.3)
DMG	33.1500	119.4500	06/17/1934	243 0.0	0.0	4.00	0.010	III	85.3(137.3)
DMG	33.7000	117.1000	06/11/1902	245 0.0	0.0	4.50	0.013	III	85.4(137.4)
DMG	35.3430	118.5070	07/23/1952	18 328.3	10.4	4.00	0.010	III	85.6(137.8)
DMG	35.3460	118.4650	12/25/1952	55633.0	4.6	4.10	0.010	III	85.7(137.9)
DMG	35.3330	118.7330	08/05/1952	65010.0	0.0	4.40	0.012	III	85.7(138.0)
PAS	32.9900	117.8490	07/13/1986	14 133.0	12.0	4.60	0.013	III	85.8(138.1)
DMG	35.3510	118.5270	08/11/1952	132149.2	-2.0	4.40	0.012	III	86.0(138.5)
PAS	32.9860	117.8440	10/01/1986	201218.6	6.0	4.00	0.010	III	86.2(138.7)
GSP	34.1200	116.9980	06/29/1992	144126.0	4.0	4.40	0.012	III	86.3(138.8)
DMG	35.3560	118.5380	07/19/1955	2 425.5	6.4	4.10	0.010	III	86.4(139.0)
GSP	34.0970	116.9960	12/05/1997	170438.9	4.0	4.10	0.010	III	86.4(139.0)
PAS	32.9710	117.8700	07/13/1986	1347 8.2	6.0	5.30	0.019	IV	86.5(139.1)
DMG	34.0000	117.0000	06/30/1923	022 0.0	0.0	4.50	0.012	III	86.5(139.2)
DMG	34.0000	120.0170	04/01/1945	234342.0	0.0	5.40	0.020	IV	86.7(139.5)
DMG	35.3580	118.6160	08/24/1955	17 540.9	7.2	4.00	0.010	III	86.7(139.6)
DMG	35.3600	118.4380	08/03/1952	15156.1	7.0	4.10	0.010	III	86.7(139.6)
DMG	32.8670	118.2500	02/13/1952	151337.0	0.0	4.70	0.014	IV	86.7(139.6)
GSP	34.0850	116.9890	06/30/1992	214900.3	3.0	4.40	0.012	III	86.8(139.7)
GSP	32.9850	117.8180	06/21/1995	211736.2	6.0	4.30	0.011	III	86.9(139.9)
MGI	35.3000	119.0000	01/08/1903	030 0.0	0.0	4.60	0.013	III	87.1(140.2)
MGI	35.3000	119.0000	09/04/1908	0 0 0.0	0.0	4.60	0.013	III	87.1(140.2)
DMG	35.3670	118.5000	06/20/1953	231852.0	0.0	4.40	0.012	III	87.1(140.2)
DMG	35.3670	118.5330	07/23/1952	195134.0	0.0	4.20	0.011	III	87.1(140.2)
DMG	34.1670	116.9830	10/16/1951	1241 5.0	0.0	4.00	0.010	III	87.2(140.3)
DMG	35.3670	118.5830	07/23/1952	4 140.0	0.0	4.70	0.014	IV	87.2(140.4)
DMG	35.3670	118.5830	07/23/1952	03832.0	0.0	6.10	0.029	V	87.2(140.4)
DMG	35.3670	118.5830	07/27/1952	73539.0	0.0	4.20	0.011	III	87.2(140.4)

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EARTHQUAKE SEARCH RESULTS  
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Page 17

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.3670	118.5830	07/23/1952	62628.0	0.0	4.00	0.010	III	87.2(140.4)
DMG	35.3670	118.5830	07/23/1952	04738.0	0.0	4.60	0.013	III	87.2(140.4)
DMG	35.3670	118.5830	09/16/1952	1521 8.0	0.0	4.30	0.011	III	87.2(140.4)
DMG	35.3670	118.5830	07/23/1952	31923.0	0.0	5.00	0.016	IV	87.2(140.4)
DMG	35.3670	118.5830	07/23/1952	65342.0	0.0	4.20	0.011	III	87.2(140.4)
DMG	35.3670	118.5830	07/28/1952	154120.0	0.0	4.00	0.010	III	87.2(140.4)
DMG	35.3170	118.9500	09/01/1952	1039 0.0	0.0	4.10	0.010	III	87.4(140.6)
DMG	34.3330	117.0000	02/27/1942	1 853.0	0.0	4.00	0.010	III	87.5(140.8)
PAS	34.1510	116.9720	11/20/1978	655 9.5	6.1	4.30	0.011	III	87.8(141.3)
DMG	35.3330	118.9170	08/07/1952	1919 7.0	0.0	4.20	0.011	III	87.9(141.5)
DMG	35.3330	118.9170	08/22/1952	224124.0	0.0	5.80	0.024	V	87.9(141.5)
DMG	35.3330	118.9170	07/29/1952	195132.0	0.0	4.50	0.012	III	87.9(141.5)
DMG	35.3330	118.9170	07/31/1952	195314.0	0.0	4.50	0.012	III	87.9(141.5)
GSP	32.9700	117.8100	04/04/1990	085439.3	6.0	4.00	0.009	III	88.0(141.7)
PAS	32.9700	117.8030	07/14/1986	03246.2	10.0	4.00	0.009	III	88.2(142.0)
DMG	35.3830	118.5670	07/23/1952	546 3.0	0.0	4.70	0.014	III	88.3(142.1)
DMG	35.3830	118.6000	09/05/1953	192436.0	0.0	4.10	0.010	III	88.4(142.2)
DMG	35.3790	118.6680	11/21/1955	205527.6	5.3	4.30	0.011	III	88.4(142.3)
DMG	34.2670	116.9670	08/29/1943	35754.0	0.0	4.00	0.009	III	88.7(142.7)
DMG	34.2670	116.9670	08/29/1943	51630.0	0.0	4.00	0.009	III	88.7(142.7)
DMG	34.2670	116.9670	08/29/1943	34513.0	0.0	5.50	0.021	IV	88.7(142.7)
PAS	34.1980	116.9590	04/01/1978	105227.4	8.0	4.00	0.009	III	88.7(142.7)
PAS	35.3720	118.7740	12/15/1987	182346.1	3.2	4.10	0.010	III	88.8(142.9)
DMG	33.8000	117.0000	12/25/1899	1225 0.0	0.0	6.40	0.033	V	88.9(143.0)
DMG	34.1330	116.9500	06/10/1938	1440 0.0	0.0	4.00	0.009	III	89.0(143.3)
PAS	32.9450	117.8310	07/29/1986	81741.8	10.0	4.10	0.010	III	89.0(143.3)
DMG	35.3670	118.8330	03/17/1935	2026 0.0	0.0	4.00	0.009	III	89.1(143.3)
T-A	35.3300	119.0000	01/04/1870	7 0 0.0	0.0	4.30	0.011	III	89.1(143.4)
DMG	35.3950	118.6200	08/08/1955	32150.5	4.1	4.70	0.014	III	89.3(143.7)
DMG	32.8170	118.3500	12/26/1951	04654.0	0.0	5.90	0.025	V	89.4(143.8)
GSP	35.3700	118.8500	12/18/1990	165643.0	6.0	4.20	0.010	III	89.5(144.0)
DMG	35.4000	118.5830	07/25/1952	7 351.0	0.0	4.10	0.010	III	89.5(144.1)
DMG	35.4000	118.5830	07/24/1952	114756.0	0.0	4.40	0.012	III	89.5(144.1)
PAS	32.9330	117.8410	07/29/1986	81741.6	10.0	4.30	0.011	III	89.5(144.1)
PAS	32.9450	117.8060	09/07/1984	11 313.4	6.0	4.30	0.011	III	89.7(144.3)
DMG	35.4000	118.6330	10/02/1952	231021.0	0.0	4.20	0.010	III	89.7(144.3)
DMG	35.3670	118.8830	09/12/1953	64116.0	0.0	4.10	0.010	III	89.7(144.4)
DMG	33.7500	117.0000	04/21/1918	223225.0	0.0	6.80	0.041	V	89.8(144.4)
DMG	33.7500	117.0000	06/06/1918	2232 0.0	0.0	5.00	0.016	IV	89.8(144.4)
DMG	35.3500	118.9670	02/04/1954	204841.0	0.0	4.00	0.009	III	89.8(144.6)
DMG	34.4330	116.9830	04/18/1945	458 2.0	0.0	4.30	0.011	III	89.9(144.6)
GSP	34.1210	116.9280	08/16/1998	133440.2	6.0	4.70	0.013	III	90.3(145.3)
DMG	35.3830	118.8500	10/13/1952	222035.0	0.0	4.00	0.009	III	90.4(145.4)
DMG	35.3830	118.8500	07/29/1952	7 347.0	0.0	6.10	0.028	V	90.4(145.4)
GSP	34.1780	116.9220	06/28/1992	170131.9	13.0	4.70	0.013	III	90.7(146.0)
GSP	34.1120	116.9200	10/01/1998	181816.0	4.0	4.70	0.013	III	90.7(146.0)
DMG	34.1800	116.9200	01/16/1930	02433.9	0.0	5.20	0.017	IV	90.8(146.2)
DMG	34.1800	116.9200	01/16/1930	034 3.6	0.0	5.10	0.017	IV	90.8(146.2)
DMG	35.4000	118.8170	07/29/1952	8 146.0	0.0	5.10	0.016	IV	91.1(146.6)
PAS	32.9470	117.7360	01/15/1989	153955.2	6.0	4.20	0.010	III	91.4(147.2)
DMG	34.3200	116.9250	04/18/1968	174213.4	4.7	4.00	0.009	III	91.6(147.3)
GSP	34.2560	116.9120	06/28/1992	170557.5	8.0	4.60	0.013	III	91.7(147.6)
PAS	34.6610	119.9730	05/07/1984	193232.8	9.9	4.20	0.010	III	91.9(147.9)

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EARTHQUAKE SEARCH RESULTS  
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Page 18

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
PAS	35.2250	117.6290	05/02/1975	18 323.1	10.0	4.20	0.010	III	92.0(148.1)
DMG	35.4320	118.6640	09/30/1964	175125.8	7.4	4.00	0.009	III	92.0(148.1)
MGI	34.2000	116.9000	10/10/1915	5 6 0.0	0.0	4.00	0.009	III	92.1(148.2)
GSP	34.3620	116.9230	12/07/1992	033331.5	1.0	4.00	0.009	III	92.2(148.3)
PAS	34.2460	116.9010	06/29/1979	55320.5	5.7	4.60	0.013	III	92.3(148.5)
DMG	35.4330	118.7000	05/01/1954	22 439.0	0.0	4.20	0.010	III	92.3(148.6)
PAS	34.2490	116.9000	06/30/1979	7 353.0	5.6	4.50	0.012	III	92.3(148.6)
T-A	33.5000	117.0700	12/29/1880	7 0 0.0	0.0	4.30	0.011	III	92.4(148.8)
PAS	34.2430	116.8960	06/30/1979	03411.6	5.8	4.90	0.015	IV	92.5(148.9)
DMG	35.4400	118.3470	01/02/1964	194841.0	6.3	4.20	0.010	III	92.6(149.0)
GSP	34.3770	116.9180	12/04/1992	052511.2	2.0	4.80	0.014	IV	92.6(149.1)
DMG	34.3370	116.9090	11/30/1962	2351 5.5	7.0	4.30	0.011	III	92.6(149.1)
GSP	34.3610	116.9130	12/04/1992	125942.1	0.0	4.20	0.010	III	92.7(149.2)
USG	32.7700	118.3340	06/16/1985	1027 0.7	5.0	4.14	0.010	III	92.7(149.2)
MGI	34.3000	116.9000	12/01/1915	14 5 0.0	0.0	4.00	0.009	III	92.8(149.3)
DMG	34.1000	116.8830	10/24/1935	1452 0.0	0.0	4.50	0.012	III	92.9(149.4)
DMG	34.1000	116.8830	10/24/1935	1451 0.0	0.0	4.50	0.012	III	92.9(149.4)
DMG	34.1000	116.8830	10/24/1935	1527 0.0	0.0	4.00	0.009	III	92.9(149.4)
DMG	34.4000	116.9170	02/01/1942	151555.0	0.0	4.00	0.009	III	93.0(149.7)
DMG	34.4000	116.9170	02/01/1942	16 334.0	0.0	4.50	0.012	III	93.0(149.7)
DMG	34.4000	116.9170	02/01/1942	151828.0	0.0	4.50	0.012	III	93.0(149.7)
DMG	34.4000	116.9170	01/25/1942	215133.0	0.0	4.00	0.009	III	93.0(149.7)
DMG	35.4540	118.4760	11/23/1953	2039 0.9	5.9	4.40	0.011	III	93.2(149.9)
GSP	35.4530	118.4310	05/06/1997	191253.8	6.0	4.50	0.012	III	93.2(149.9)
GSP	34.3400	116.9000	11/27/1992	160057.5	1.0	5.30	0.018	IV	93.2(150.0)
GSP	34.3640	116.9040	11/27/1992	183225.0	1.0	4.10	0.010	III	93.2(150.1)
DMG	35.4540	118.6050	02/07/1964	22 750.3	-2.0	4.40	0.011	III	93.3(150.2)
DMG	33.9680	116.8820	06/27/1959	162211.1	13.8	4.00	0.009	III	93.5(150.4)
GSP	34.3690	116.8970	12/04/1992	020857.5	3.0	5.30	0.018	IV	93.7(150.8)
DMG	34.3240	116.8850	12/01/1962	03548.8	9.6	4.30	0.011	III	93.8(151.0)
DMG	34.3330	116.8830	10/14/1943	142844.0	0.0	4.50	0.012	III	94.1(151.4)
DMG	34.3120	116.8790	01/31/1972	155 4.2	8.0	4.00	0.009	III	94.1(151.4)
GSP	34.1950	116.8620	08/17/1992	204152.1	11.0	5.30	0.018	IV	94.2(151.6)
GSP	34.1980	116.8620	08/18/1992	094640.7	12.0	4.20	0.010	III	94.2(151.6)
DMG	35.2000	119.5000	06/09/1928	822 0.0	0.0	4.00	0.009	III	94.3(151.8)
MGI	35.2000	119.5000	12/01/1920	130 0.0	0.0	4.60	0.012	III	94.3(151.8)
DMG	35.4650	118.6680	02/07/1964	221052.0	-0.5	4.20	0.010	III	94.3(151.8)
GSP	34.1410	116.8570	09/19/1997	223714.5	10.0	4.10	0.009	III	94.4(151.8)
DMG	34.3250	116.8750	12/02/1962	04138.4	6.7	4.40	0.011	III	94.4(152.0)
MGI	33.8000	116.9000	04/29/1918	2 0 0.0	0.0	4.00	0.009	III	94.4(152.0)
MGI	33.8000	116.9000	12/18/1920	1726 0.0	0.0	4.00	0.009	III	94.4(152.0)
MGI	33.8000	116.9000	06/14/1918	1024 0.0	0.0	4.00	0.009	III	94.4(152.0)
MGI	33.8000	116.9000	04/23/1918	1415 0.0	0.0	4.00	0.009	III	94.4(152.0)
DMG	35.3530	117.8260	07/03/1944	53823.5	-2.0	4.70	0.013	III	94.4(152.0)
GSP	34.1630	116.8550	06/28/1992	144321.0	6.0	5.30	0.018	IV	94.5(152.1)
GSP	34.3700	116.8800	11/29/1992	142120.5	3.0	4.00	0.009	III	94.7(152.3)
DMG	33.7100	116.9250	09/23/1963	144152.6	16.5	5.00	0.015	IV	94.7(152.4)
DMG	35.3330	119.2500	01/20/1941	135816.0	0.0	4.00	0.009	III	94.7(152.4)
DMG	34.3250	116.8650	10/29/1962	24253.9	8.6	4.80	0.014	III	95.0(152.9)
PAS	35.2970	119.3460	05/06/1985	231433.0	24.4	4.90	0.011	III	95.1(153.0)
PAS	35.2700	119.4020	09/26/1980	131841.1	5.0	4.10	0.009	III	95.1(153.1)
DMG	34.3500	116.8670	10/15/1943	1650 1.0	0.0	4.50	0.012	III	95.2(153.1)
DMG	34.7000	117.0000	07/16/1916	1230 0.0	0.0	4.00	0.009	III	95.2(153.2)

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EARTHQUAKE SEARCH RESULTS  
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Page 19

FILE	LAT.	LONG.	DATE	TIME	DEPTH	QUAKE	SITE	SITE	APPROX.
CODE	NORTH	WEST		(UTC)	(km)	MAG.	ACC.	MM	DISTANCE
				H M Sec			g	INT.	mi [km]
DMG	34.7000	117.0000	07/16/1916	1150 0.0	0.0	4.50	0.012	III	95.2(153.2)
DMG	32.7500	118.2000	06/25/1939	149 0.0	0.0	4.50	0.012	III	95.2(153.2)
GSP	34.2320	116.8460	07/10/1992	012940.0	0.0	4.20	0.010	III	95.3(153.4)
GSP	34.2250	116.8440	07/09/1992	023435.0	0.0	4.10	0.009	III	95.4(153.5)
DMG	33.9500	116.8500	09/28/1946	719 9.0	0.0	5.00	0.015	IV	95.4(153.6)
DMG	35.1060	117.3460	10/11/1966	165912.9	6.5	4.40	0.011	III	95.6(153.8)
PAS	35.4520	118.8990	02/08/1985	65816.9	11.1	4.60	0.012	III	95.6(153.9)
GSP	34.3200	116.8500	10/27/1998	154017.1	4.0	4.10	0.009	III	95.8(154.1)
GSP	34.2390	116.8370	07/09/1992	014357.6	0.0	5.30	0.018	IV	95.9(154.3)
PDP	34.3220	116.8460	09/20/1999	070249.2	2.0	4.20	0.010	III	96.0(154.5)
DMG	33.5000	117.0000	08/08/1925	1013 0.0	0.0	4.50	0.012	III	96.0(154.5)
GSP	34.1630	116.8270	06/28/1992	150451.5	12.0	4.40	0.011	III	96.1(154.7)
GSP	34.3230	116.8440	10/27/1998	010840.7	5.0	4.90	0.014	IV	96.1(154.7)
GSN	34.2030	116.8270	06/28/1992	150530.7	5.0	6.70	0.037	V	96.2(154.9)
DMG	35.5000	118.5000	07/27/1952	24912.0	0.0	4.00	0.009	III	96.3(155.0)
DMG	34.3070	116.8350	08/28/1950	194526.4	11.7	4.20	0.010	III	96.5(155.3)
PAS	33.5350	120.0490	01/12/1983	1719 0.6	5.0	4.20	0.010	III	96.8(155.8)
DMG	35.5000	118.7000	01/06/1905	1430 0.0	0.0	5.00	0.015	IV	96.9(156.0)
DMG	34.4170	116.8500	02/11/1932	231120.0	0.0	4.00	0.009	III	97.0(156.1)
GSP	35.0170	117.2030	06/29/1992	041642.8	3.0	4.00	0.009	III	97.3(156.6)
GSP	34.2370	116.8110	06/28/1992	125730.8	10.0	4.00	0.009	III	97.3(156.6)
GSP	34.1830	116.8020	06/28/1992	192637.6	1.0	4.00	0.009	III	97.6(157.1)
DMG	34.1000	116.8000	10/24/1935	1448 7.6	0.0	5.10	0.016	IV	97.6(157.1)
GSP	35.1600	117.3620	06/29/1992	011813.4	4.0	4.70	0.013	III	97.7(157.2)
DMG	32.7180	118.1720	04/28/1938	6 728.0	10.0	4.50	0.011	III	97.7(157.2)
DMG	35.3890	117.7830	07/15/1966	10 943.0	4.7	4.00	0.009	III	97.7(157.2)
PAS	34.3220	116.8150	08/29/1985	759 8.7	6.1	4.10	0.009	III	97.8(157.3)
PAS	32.7560	117.9880	01/12/1975	212214.8	15.3	4.80	0.013	III	97.8(157.4)
DMG	32.8000	117.8330	01/24/1942	214148.0	0.0	4.00	0.009	III	98.1(157.9)
DMG	33.9670	116.8000	09/07/1945	153424.0	0.0	4.30	0.010	III	98.1(157.9)
DMG	34.4360	116.8340	07/14/1973	8 020.1	8.0	4.80	0.013	III	98.2(158.0)
GSP	34.2980	116.8040	07/05/1992	200303.1	3.0	4.00	0.009	III	98.2(158.0)
GSP	35.1610	117.3500	06/29/1992	012615.6	6.0	4.10	0.009	III	98.2(158.0)
DMG	34.2290	116.7950	05/11/1956	163050.5	13.3	4.70	0.013	III	98.2(158.0)
DMG	35.3970	117.7730	11/18/1961	31836.0	11.1	4.30	0.010	III	98.4(158.4)
DMG	34.0290	116.7870	04/30/1954	03623.9	11.1	4.20	0.010	III	98.5(158.6)
DMG	34.3170	116.8000	08/12/1950	21717.0	0.0	4.30	0.010	III	98.6(158.6)
DMG	35.4140	117.7960	07/08/1970	92530.2	8.0	4.00	0.009	III	99.0(159.3)
PAS	32.7590	117.9060	10/18/1976	172753.1	13.8	4.20	0.010	III	99.2(159.6)
DMG	34.2990	116.7840	03/18/1956	24217.3	6.3	4.40	0.011	III	99.3(159.8)
GSP	34.2190	116.7710	07/21/1992	211029.0	1.0	4.10	0.009	III	99.5(160.1)
DMG	33.9760	116.7750	10/17/1965	94519.0	17.0	4.90	0.014	IV	99.5(160.1)
DMG	34.0140	116.7710	06/10/1944	111150.5	10.0	4.50	0.011	III	99.5(160.1)
DMG	34.7000	120.1000	07/28/1945	23348.0	0.0	4.20	0.010	III	99.6(160.3)
DMG	35.5340	118.2640	05/28/1955	194420.0	12.3	4.50	0.011	III	99.6(160.3)
GSP	34.2730	116.7740	08/24/1992	135146.0	1.0	4.30	0.010	III	99.7(160.4)
PAS	33.7010	116.8370	08/22/1979	2 136.3	5.0	4.10	0.009	III	99.7(160.4)
DMG	34.2500	116.7700	03/16/1956	203344.3	0.8	4.00	0.009	III	99.7(160.5)
DMG	35.5000	118.9670	09/29/1948	4 648.0	0.0	4.20	0.010	III	99.8(160.6)
DMG	33.9730	116.7690	06/10/1944	112531.9	10.0	4.00	0.009	III	99.9(160.7)

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-END OF SEARCH- 1004 EARTHQUAKES FOUND WITHIN THE SPECIFIED SEARCH AREA.

TIME PERIOD OF SEARCH: 1800 TO 1999

LENGTH OF SEARCH TIME: 200 years

THE EARTHQUAKE CLOSEST TO THE SITE IS ABOUT 7.3 MILES (11.7 km) AWAY.

LARGEST EARTHQUAKE MAGNITUDE FOUND IN THE SEARCH RADIUS: 7.7

LARGEST EARTHQUAKE SITE ACCELERATION FROM THIS SEARCH: 0.245 g

COEFFICIENTS FOR GUTENBERG & RICHTER RECURRENCE RELATION:

a-value= 3.905

b-value= 0.806

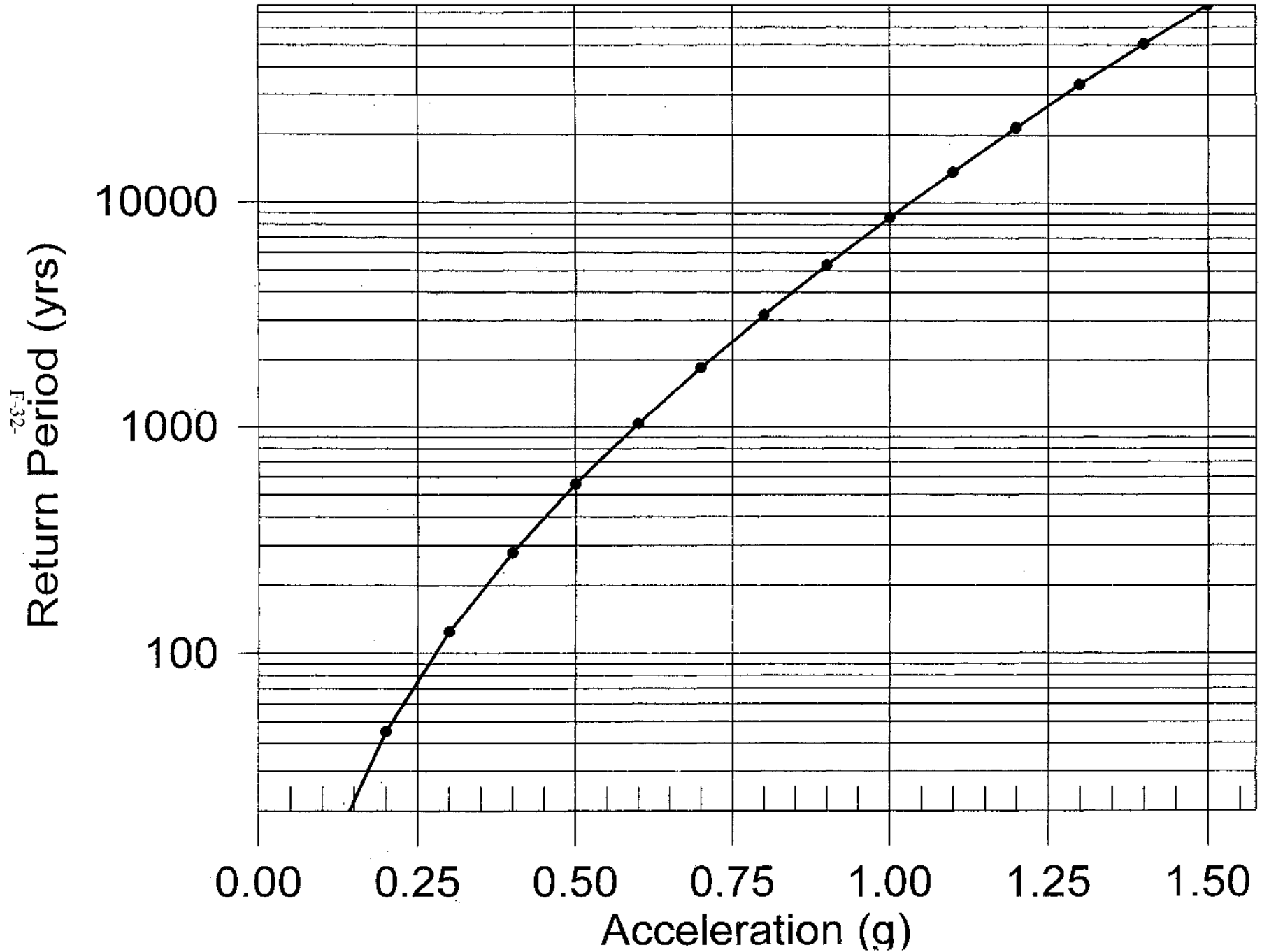
beta-value= 1.857

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TABLE OF MAGNITUDES AND EXCEEDANCES:  
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Earthquake Magnitude	Number of Times Exceeded	Cumulative No. / Year
4.0	1004	5.04523
4.5	383	1.92462
5.0	140	0.70352
5.5	53	0.26633
6.0	26	0.13065
6.5	10	0.05025
7.0	6	0.03015
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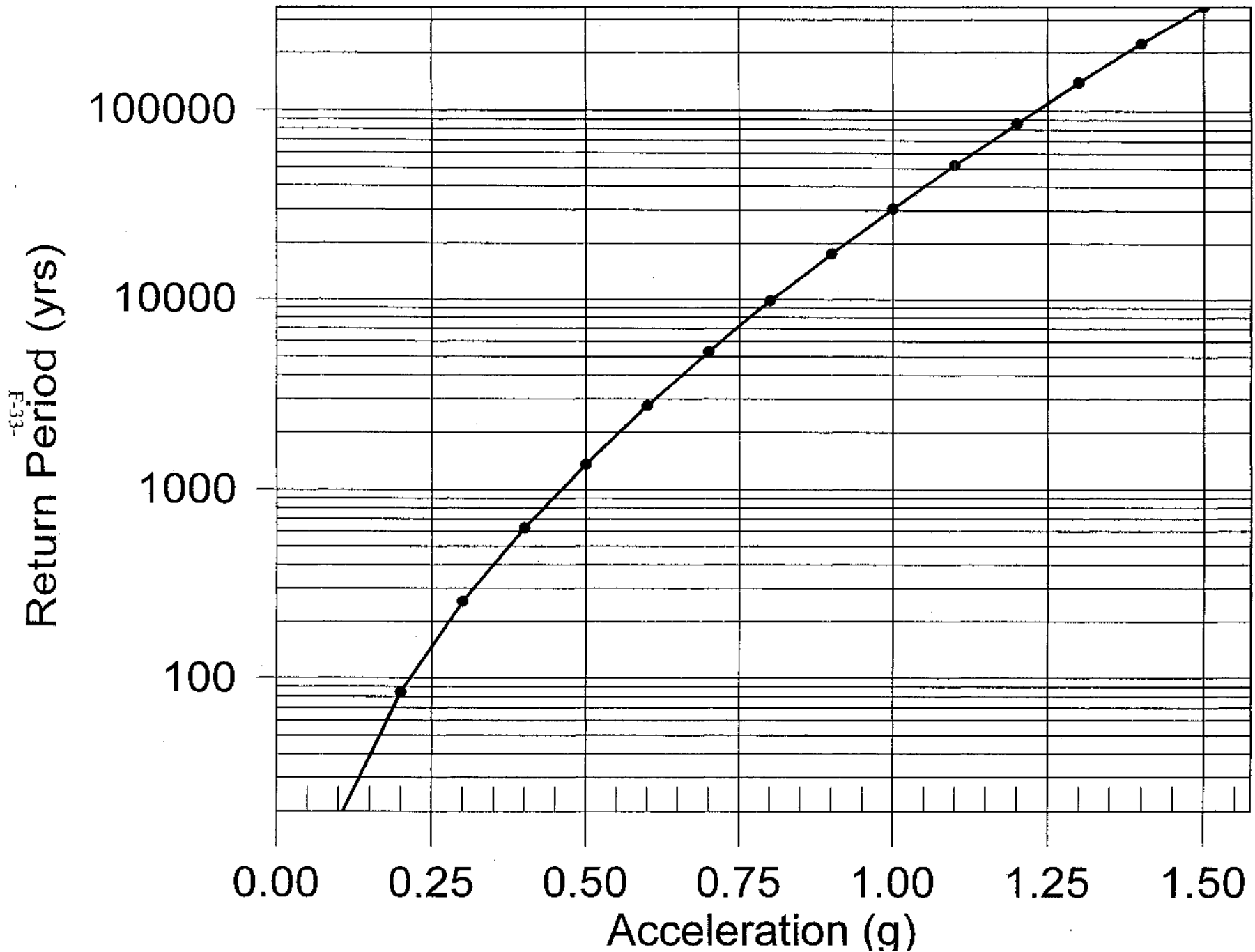
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BOORE ET AL(1997) NEHRP C (520)1



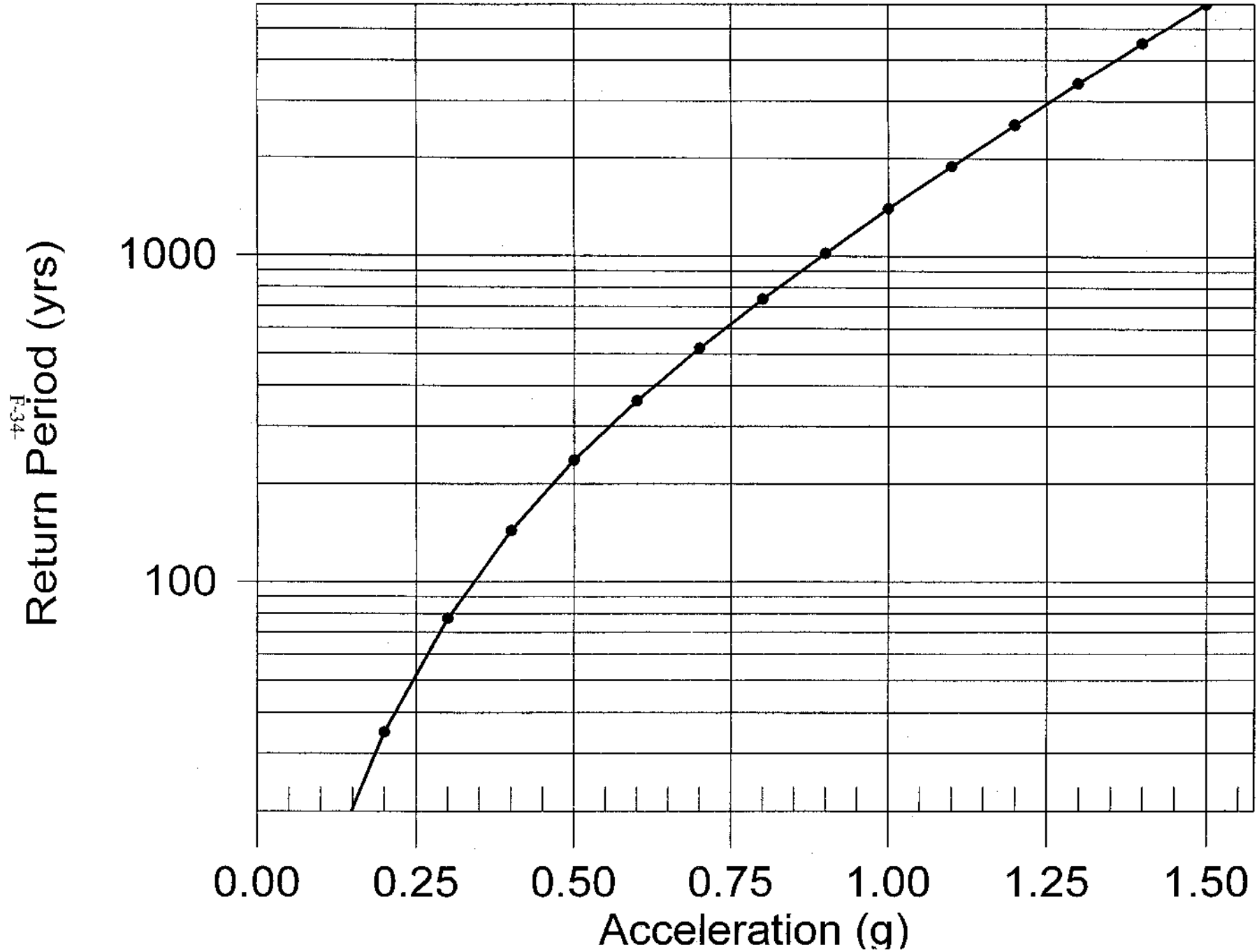
# RETURN PERIOD vs. ACCELERATION

BOORE ET AL(1997) NEHRP C (520)2



# RETURN PERIOD vs. ACCELERATION

ABRAHAMSON & SILVA (1997) ROCK 1

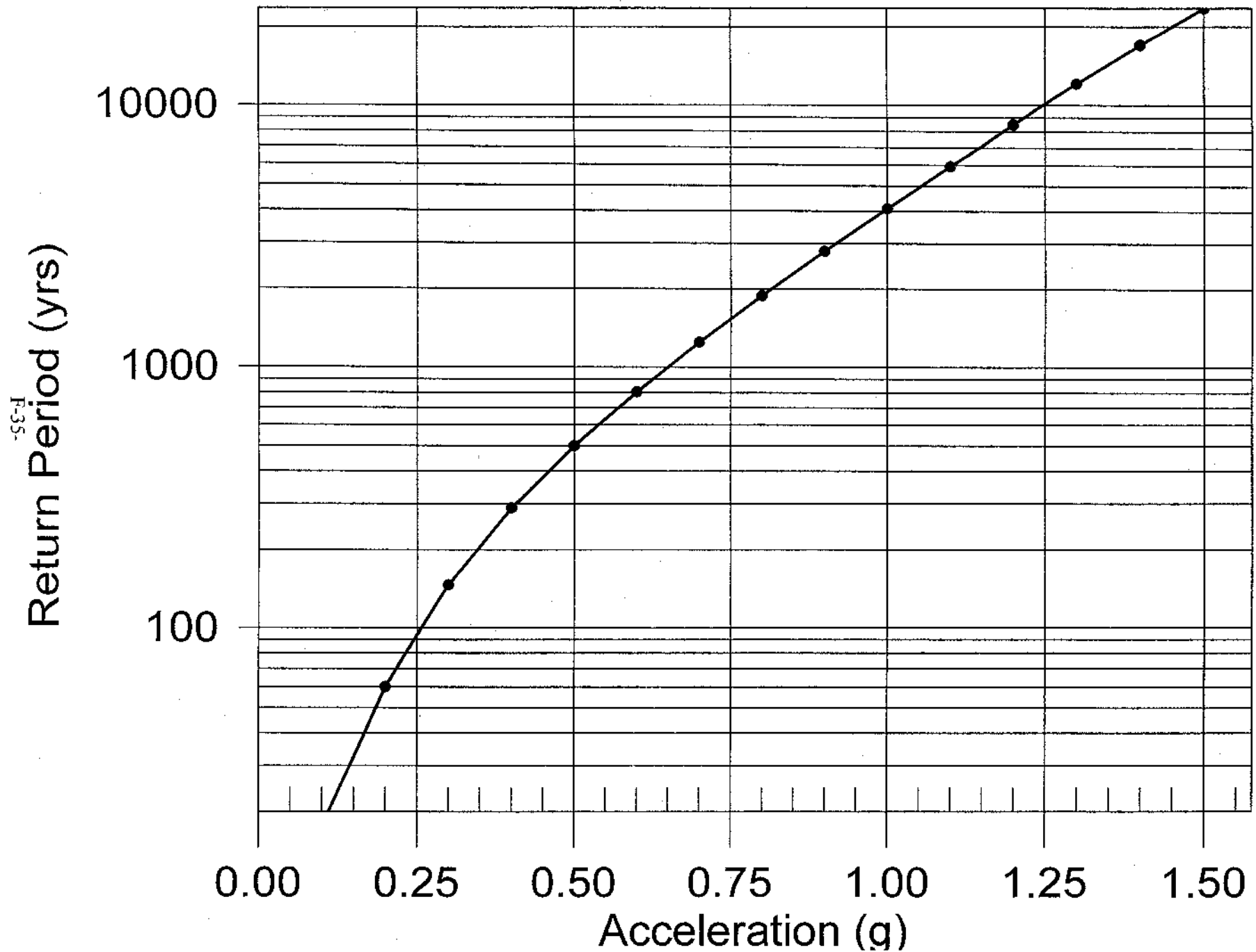


F-34



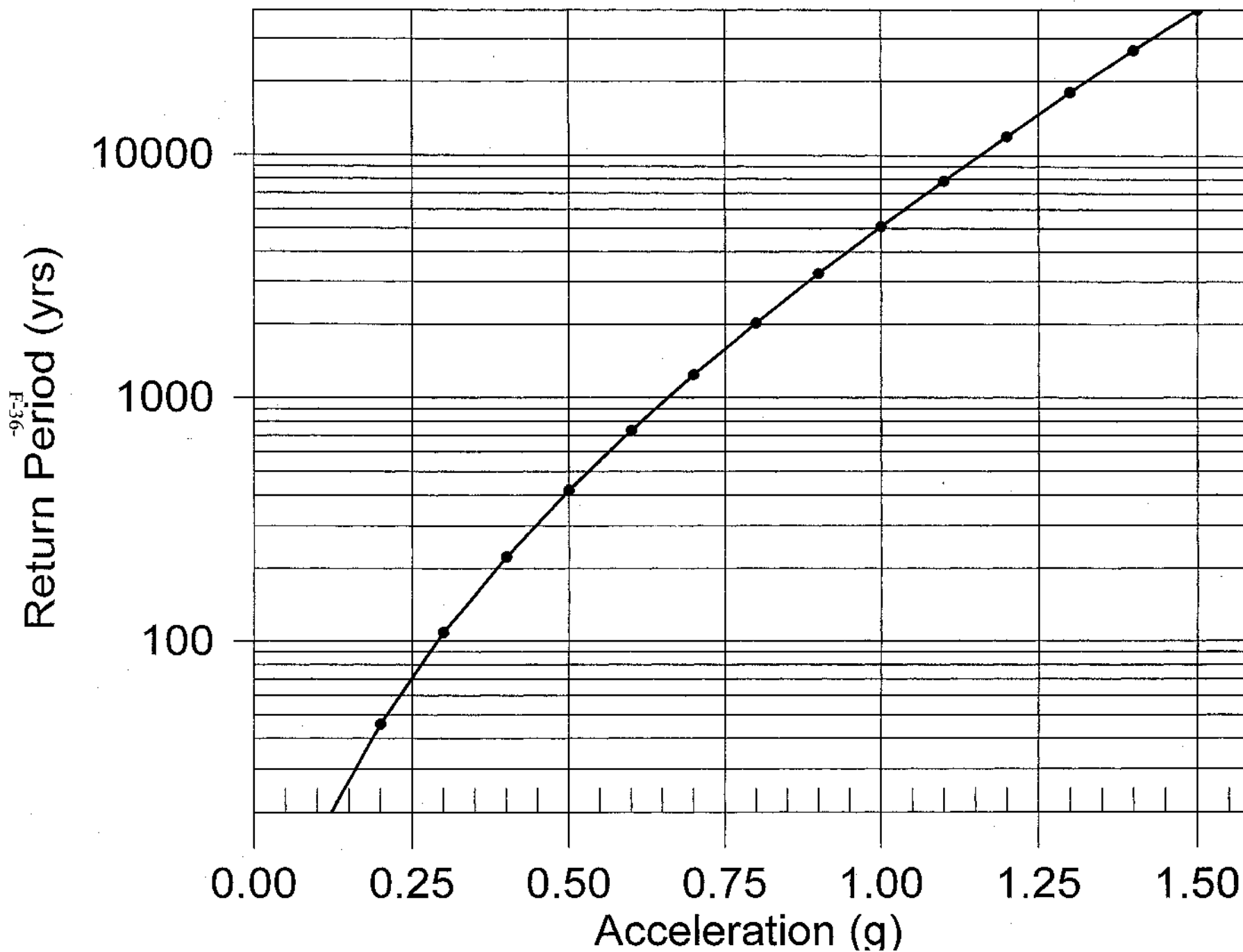
# RETURN PERIOD vs. ACCELERATION

ABRAHAMSON & SILVA (1997) ROCK 2



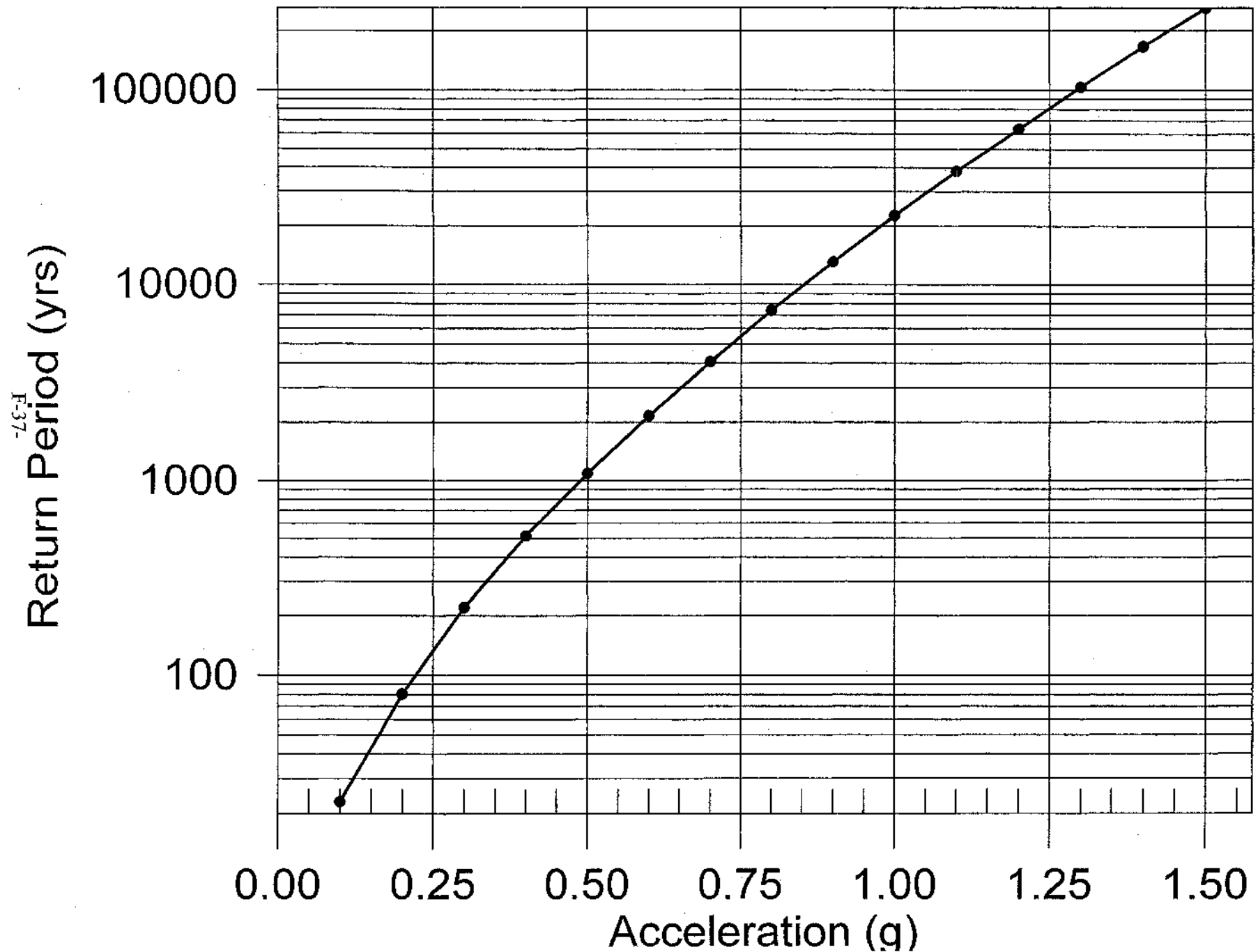
# RETURN PERIOD vs. ACCELERATION

SADIGH ET AL. (1997) ROCK 1



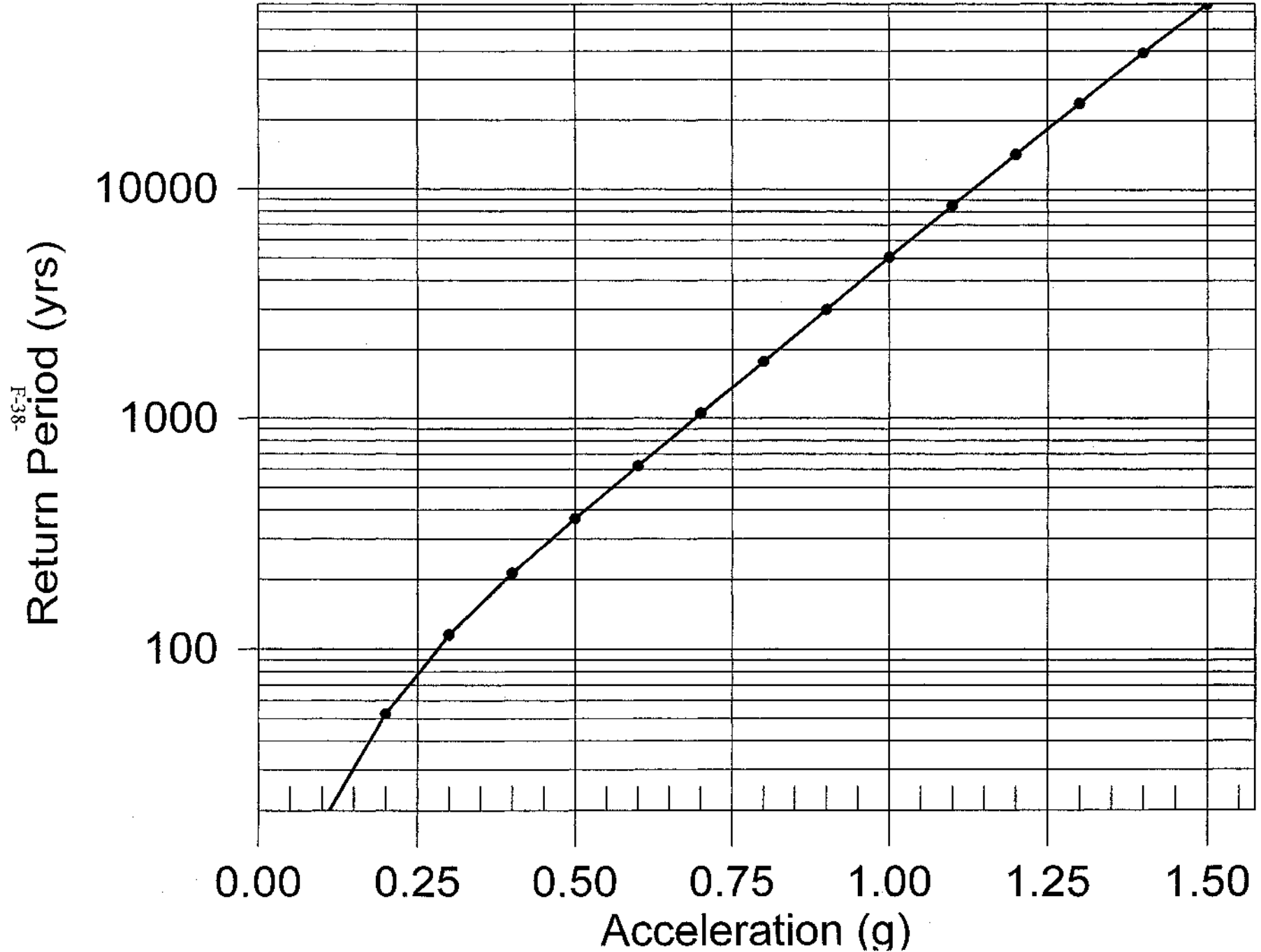
# RETURN PERIOD vs. ACCELERATION

SADIGH ET AL. (1997) ROCK 2



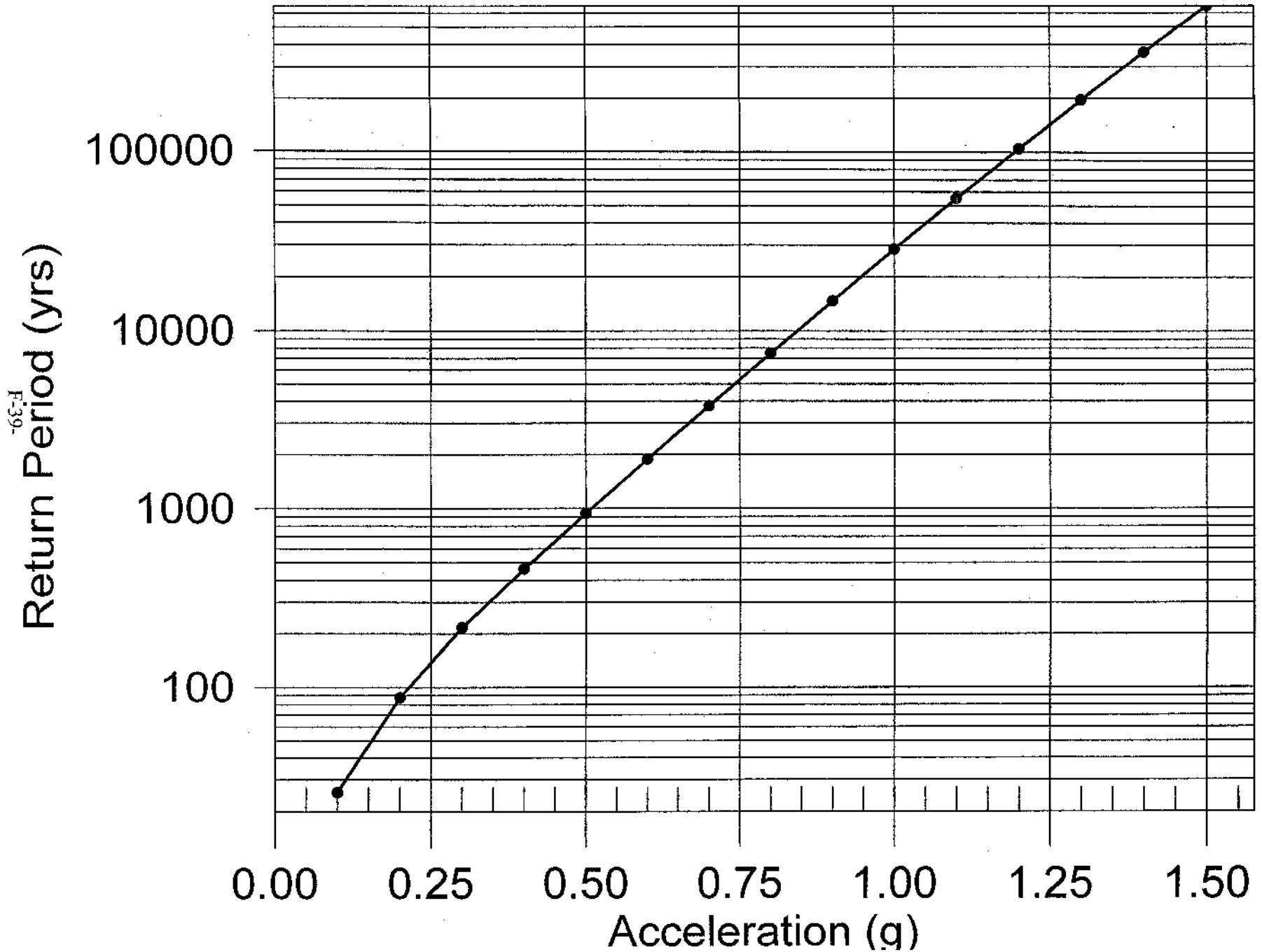
# RETURN PERIOD vs. ACCELERATION

CAMP. & BOZ. (1997 Rev.) SR 1



# RETURN PERIOD vs. ACCELERATION

CAMP. & BOZ. (1997 Rev.) SR 2



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*****
*
*   E Q F A U L T   *
*
*   Version 3.00   *
*
*****
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DETERMINISTIC ESTIMATION OF  
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 030381-001

DATE: 12-04-2001

JOB NAME: Castle & Cooke, Eastern Ridge

CALCULATION NAME: ccmegast

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:

SITE LATITUDE: 34.1024

SITE LONGITUDE: 118.5115

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 1) Boore et al. (1997) Horiz. - NEHRP B (1070)

UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0

DISTANCE MEASURE: cd\_2drp

SCOND: 1

Basement Depth: 5.00 km Campbell SSR: Campbell SHR:

COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 0.0

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EQFAULT SUMMARY  
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DETERMINISTIC SITE PARAMETERS  
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Page 1

ABBREVIATED FAULT NAME	APPROXIMATE		ESTIMATED MAX. EARTHQUAKE EVENT		
	DISTANCE		MAXIMUM	PEAK	EST. SITE
	mi	(km)	EARTHQUAKE	SITE	INTENSITY
			MAG. (Mw)	ACCEL. g	MOD. MERC.
SANTA MONICA	2.1	( 3.3)	6.6	0.315	IX
MALIBU COAST	3.0	( 4.9)	6.7	0.299	IX
NORTHRIDGE (E. Oak Ridge)	3.4	( 5.5)	6.9	0.318	IX
HOLLYWOOD	4.7	( 7.5)	6.4	0.213	VIII
NEWPORT-INGLEWOOD (L.A. Basin)	9.3	(14.9)	6.9	0.151	VIII
PALOS VERDES	9.4	(15.1)	7.1	0.166	VIII
VERDUGO	11.7	(18.9)	6.7	0.140	VIII
ANACAPA-DUME	12.7	(20.5)	7.3	0.181	VIII
COMPTON THRUST	13.4	(21.6)	6.8	0.134	VIII
SIERRA MADRE (San Fernando)	13.7	(22.0)	6.7	0.125	VII
SANTA SUSANA	13.9	(22.4)	6.6	0.117	VII
RAYMOND	16.6	(26.7)	6.5	0.098	VII
SIERRA MADRE	17.1	(27.6)	7.0	0.124	VII
ELYSIAN PARK THRUST	17.3	(27.8)	6.7	0.105	VII
HOLSER	18.7	(30.1)	6.5	0.089	VII
SAN GABRIEL	19.1	(30.7)	7.0	0.094	VII
OAK RIDGE (Onshore)	20.8	(33.5)	6.9	0.102	VII
SIEMI-SANTA ROSA	20.9	(33.7)	6.7	0.091	VII
SAN CAYETANO	27.2	(43.7)	6.8	0.079	VII
CLAMSHELL-SAWPIT	27.5	(44.2)	6.5	0.067	VI
WHITTIER	29.3	(47.2)	6.8	0.061	VI
SAN JOSE	35.2	(56.6)	6.5	0.055	VI
SAN ANDREAS - Mojave	37.7	(60.7)	7.1	0.059	VI
SAN ANDREAS - 1857 Rupture	37.7	(60.7)	7.8	0.085	VII
SANTA YNEZ (East)	39.0	(62.8)	7.0	0.054	VI
VENTURA - PITAS POINT	39.7	(63.9)	6.8	0.059	VI
CHINO-CENTRAL AVE. (Elsinore)	40.9	(65.8)	6.7	0.055	VI
OAK RIDGE (Blind Thrust Offshore)	41.1	(66.1)	6.9	0.060	VI
SAN ANDREAS - Carrizo	41.3	(66.5)	7.2	0.058	VI
CUCAMONGA	42.3	(68.1)	7.0	0.062	VI
CHANNEL IS. THRUST (Eastern)	43.1	(69.4)	7.4	0.076	VII
MONTALVO-OAK RIDGE TREND	44.9	(72.3)	6.6	0.048	VI
M. RIDGE-ARROYO PARIDA-SANTA ANA	45.2	(72.8)	6.7	0.050	VI
RED MOUNTAIN	48.6	(78.2)	6.8	0.050	VI
NEWPORT-INGLEWOOD (Offshore)	49.2	(79.1)	6.9	0.043	VI
ELSINORE-GLEN IVY	52.9	(85.1)	6.8	0.039	V
GARLOCK (West)	55.1	(88.6)	7.1	0.044	VI
PLEBITO THRUST	55.5	(89.3)	7.2	0.056	VI
BIG PINE	56.6	(91.1)	6.7	0.035	V
SANTA CRUZ ISLAND	58.0	(93.3)	6.8	0.044	VI

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 DETERMINISTIC SITE PARAMETERS  
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Page 2

ABBREVIATED FAULT NAME	APPROXIMATE		ESTIMATED MAX. EARTHQUAKE EVENT		
	DISTANCE		MAXIMUM	PEAK	EST. SITE
	mi	(km)	EARTHQUAKE	SITE	INTENSITY
			MAG. (Mw)	ACCEL. g	MOD. MERC.
SAN ANDREAS - Southern	58.1	( 93.5)	7.4	0.049	VI
SAN ANDREAS - San Bernardino	58.1	( 93.5)	7.3	0.047	VI
SAN JACINTO-SAN BERNARDINO	58.2	( 93.7)	6.7	0.034	V
CLEGHORN	61.6	( 99.2)	6.5	0.029	V
CORONADO BANK	66.6	( 107.2)	7.4	0.044	VI
NORTH CHANNEL SLOPE	69.0	( 111.0)	7.1	0.045	VI
WHITE WOLF	69.0	( 111.0)	7.2	0.047	VI
SANTA YNEZ (West)	69.5	( 111.8)	6.9	0.033	V
NORTH FRONTAL FAULT ZONE (West)	71.8	( 115.6)	7.0	0.041	V
SAN JACINTO-SAN JACINTO VALLEY	73.1	( 117.7)	6.9	0.032	V
ELSINORE-TEMECULA	73.8	( 118.7)	6.8	0.030	V
SANTA ROSA ISLAND	80.0	( 128.7)	6.9	0.036	V
HELENDALE - S. LOCKHARDT	82.8	( 133.2)	7.1	0.032	V
GARLOCK (East)	86.4	( 139.0)	7.3	0.034	V
LENWOOD-LOCKHART-OLD WOMAN SPRGS	88.0	( 141.7)	7.3	0.034	V
ROSE CANYON	91.5	( 147.3)	6.9	0.027	V
SAN JACINTO-ANZA	94.6	( 152.2)	7.2	0.030	V
LOS ALAMOS-W. BASELINE	96.1	( 154.6)	6.8	0.030	V
NORTH FRONTAL FAULT ZONE (East)	97.7	( 157.2)	6.7	0.028	V
ELSINORE-JULIAN	99.3	( 159.8)	7.1	0.028	V
GRAVEL HILLS - HARPER LAKE	99.9	( 160.8)	6.9	0.025	V

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-END OF SEARCH- 61 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

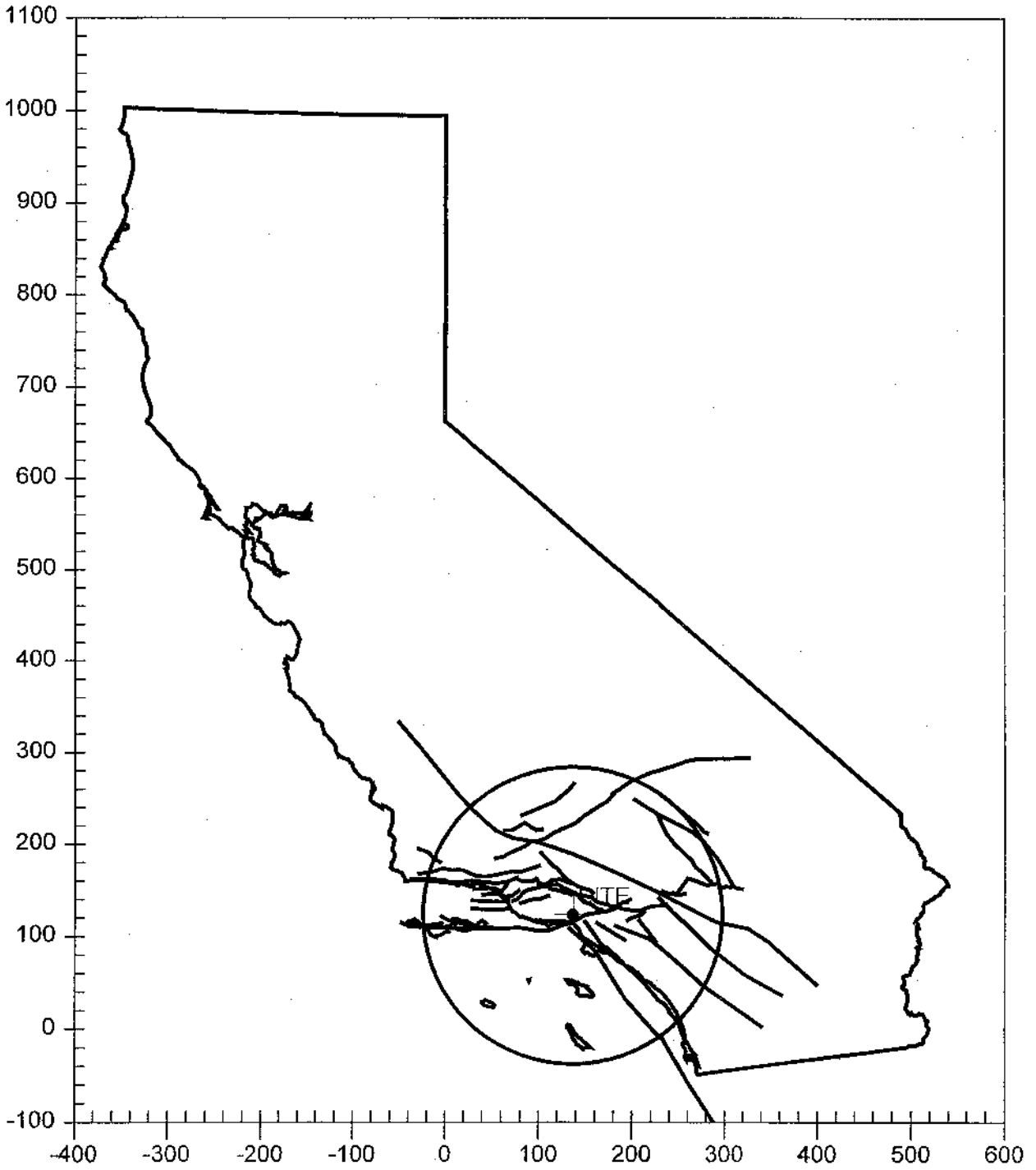
THE SANTA MONICA FAULT IS CLOSEST TO THE SITE.  
 IT IS ABOUT 2.1 MILES (3.3 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.3183 g



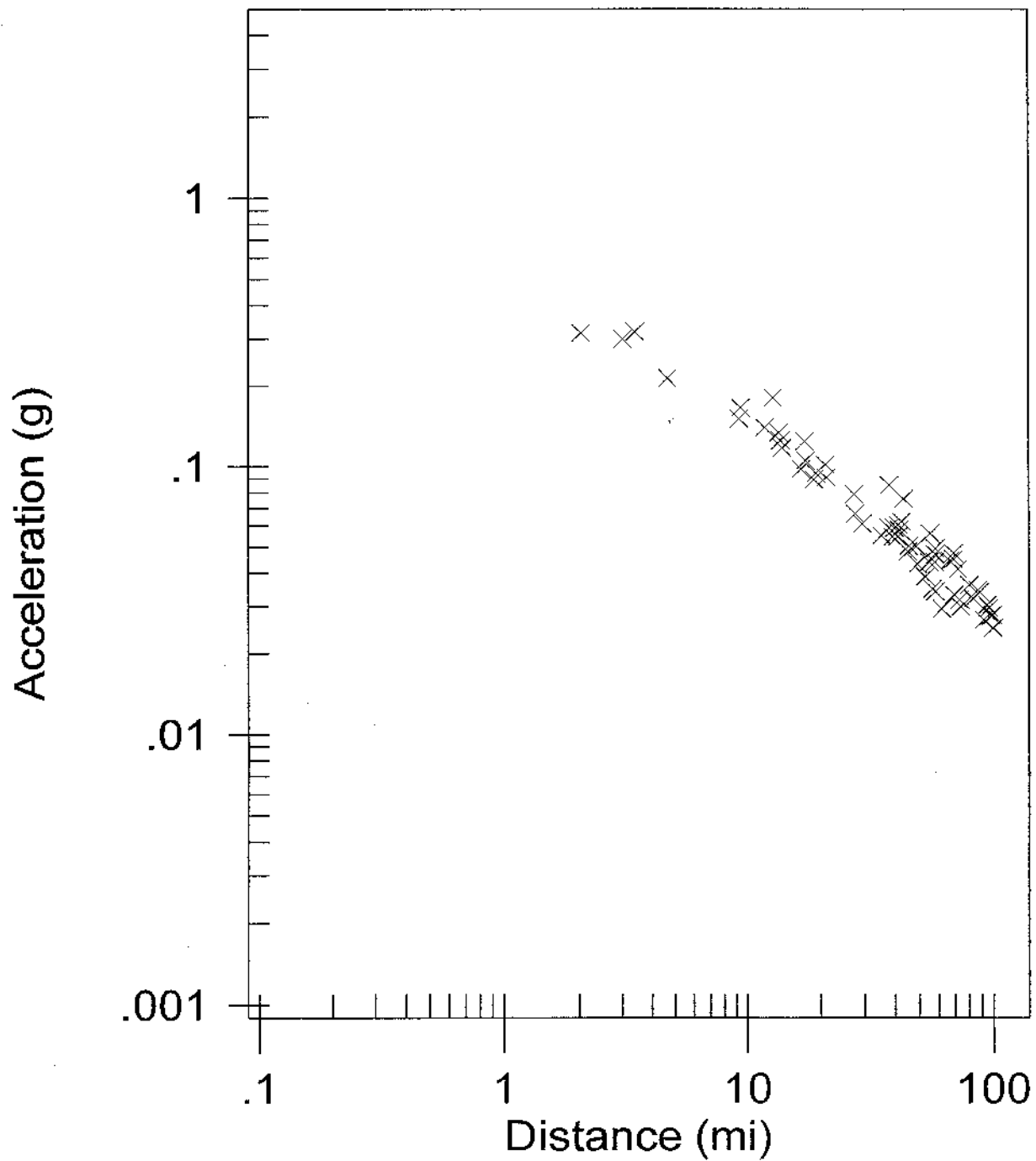
# CALIFORNIA FAULT MAP

*Castle & Cooke*



# MAXIMUM EARTHQUAKES

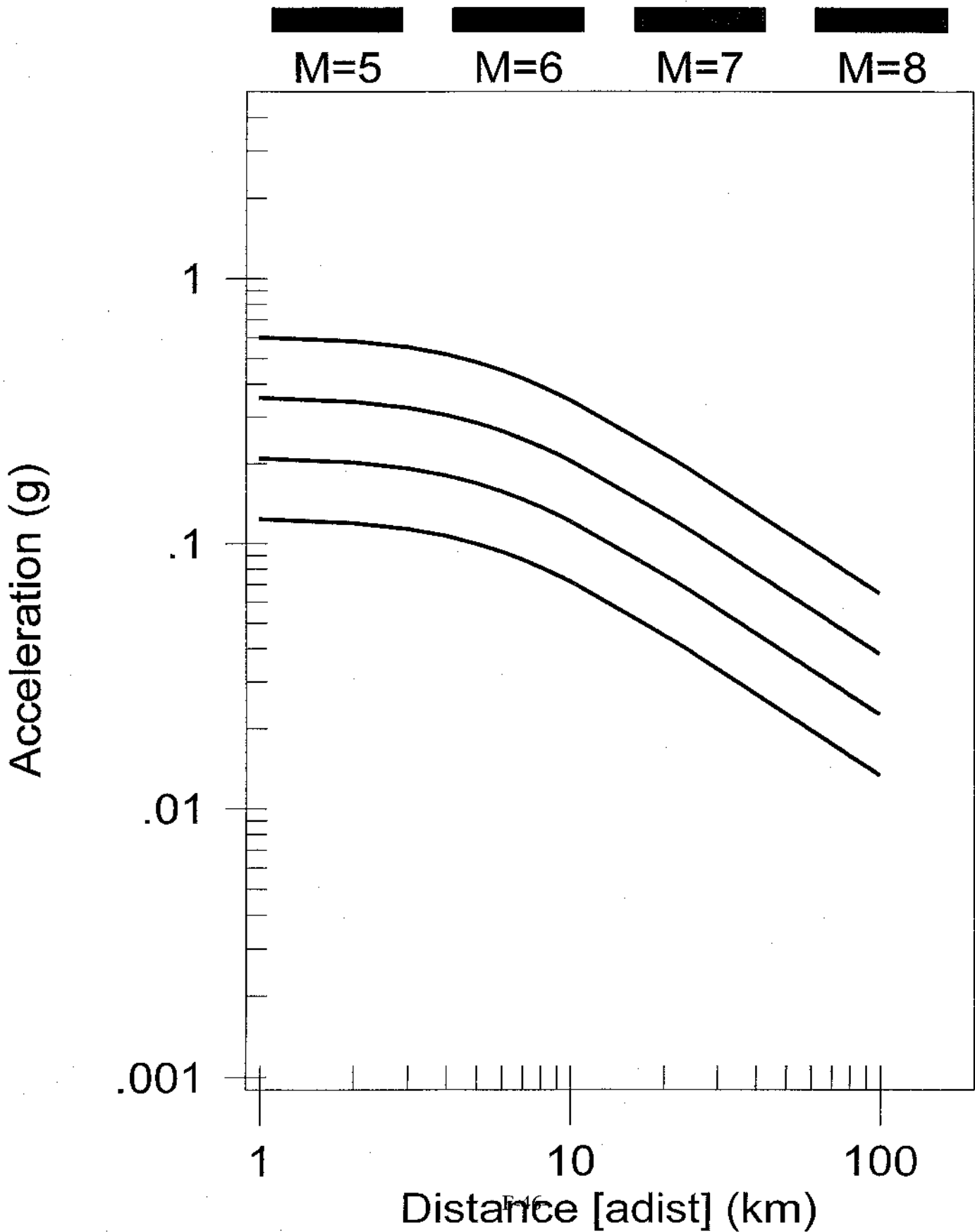
Castle & Cooke





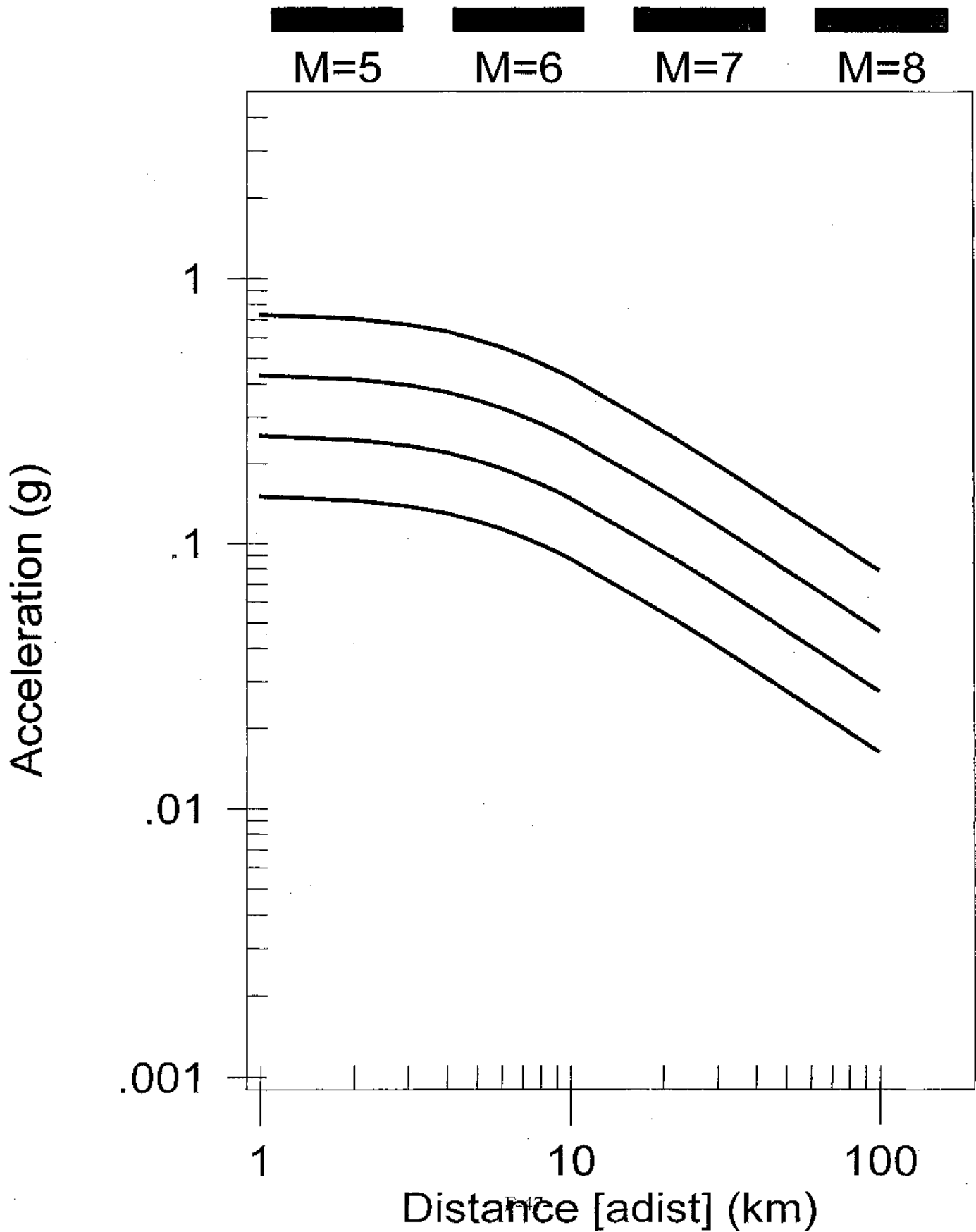
# STRIKE-SLIP FAULTS

1) Boore et al. (1997) Horiz. - NEHRP B (1070)



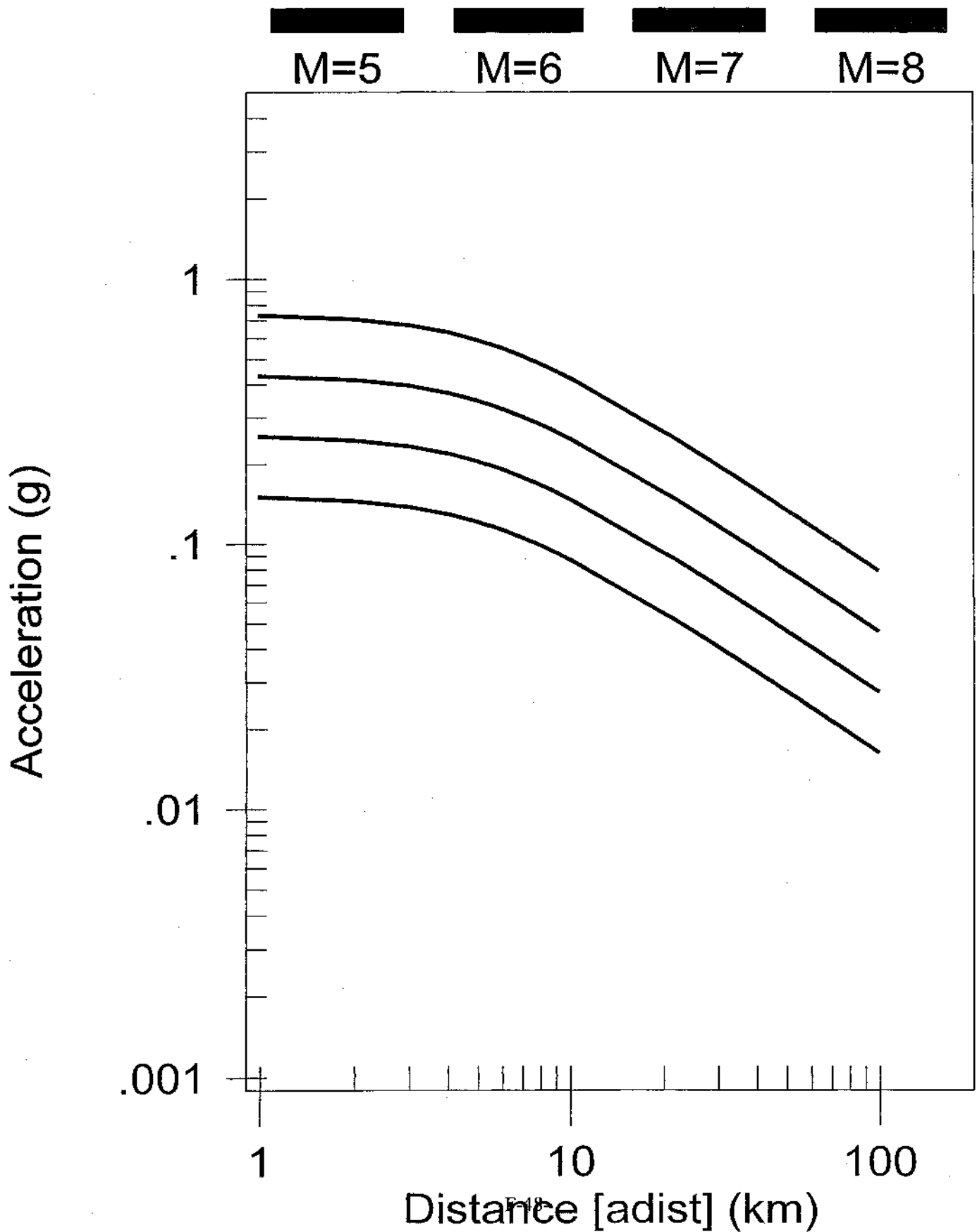
# DIP-SLIP FAULTS

1) Boore et al. (1997) Horiz. - NEHRP B (1070)



# BLIND-THRUST FAULTS

1) Boore et al. (1997) Horiz. - NEHRP B (1070)



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\* E Q S E A R C H \*  
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\* Version 3.00 \*  
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ESTIMATION OF  
PEAK ACCELERATION FROM  
CALIFORNIA EARTHQUAKE CATALOGS

JOB NUMBER: 030381-001

DATE: 12-03-2001

JOB NAME: Castle & Cooke, Eastern Ridge

EARTHQUAKE-CATALOG-FILE NAME: ALLQUAKE.DAT

MAGNITUDE RANGE:

MINIMUM MAGNITUDE: 4.00

MAXIMUM MAGNITUDE: 9.00

SITE COORDINATES:

SITE LATITUDE: 34.1024

SITE LONGITUDE: 118.5115

SEARCH DATES:

START DATE: 1800

END DATE: 1999

SEARCH RADIUS: .

100.0 mi

160.9 km

ATTENUATION RELATION: 1) Boore et al. (1997) Horiz. - NEHRP B (1070)

UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0

ASSUMED SOURCE TYPE: DS [SS=Strike-slip, DS=Reverse-slip, BT=Blind-thrust]

SCOND: 0 Depth Source: A

Basement Depth: 5.00 km Campbell SSR: Campbell SHR:

COMPUTE PEAK HORIZONTAL ACCELERATION

MINIMUM DEPTH VALUE (km): 0.0

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 EARTHQUAKE SEARCH RESULTS  
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Page 1

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0000	118.5000	08/04/1927	1224 0.0	0.0	5.00	0.080	VII	7.1( 11.4)
MGI	34.0000	118.5000	06/23/1920	1220 0.0	0.0	4.00	0.047	VI	7.1( 11.4)
MGI	34.0000	118.5000	11/19/1918	2018 0.0	0.0	5.00	0.080	VII	7.1( 11.4)
DMG	34.0000	118.5000	03/06/1918	1820 0.0	0.0	4.00	0.047	VI	7.1( 11.4)
DMG	34.0000	118.5000	11/08/1914	1140 0.0	0.0	4.50	0.062	VI	7.1( 11.4)
DMG	34.0000	118.5000	06/22/1920	248 0.0	0.0	4.90	0.076	VII	7.1( 11.4)
MGI	34.0000	118.5000	03/08/1918	1230 0.0	0.0	4.00	0.047	VI	7.1( 11.4)
GSP	34.2130	118.5370	01/17/1994	123055.4	18.0	6.70	0.185	VIII	7.8( 12.5)
GSP	34.2150	118.5100	01/19/1994	140914.8	17.0	4.50	0.058	VI	7.8( 12.5)
DMG	34.0000	118.4170	12/07/1938	338 0.0	0.0	4.00	0.041	V	8.9( 14.3)
GSP	34.2310	118.4750	03/20/1994	212012.3	13.0	5.30	0.080	VII	9.1( 14.7)
GSP	34.2280	118.5730	01/17/1994	175608.2	19.0	4.60	0.054	VI	9.4( 15.0)
MGI	34.0000	118.4000	02/07/1927	429 0.0	0.0	4.60	0.054	VI	9.5( 15.3)
MGI	34.0000	118.4000	10/01/1930	040 0.0	0.0	4.60	0.054	VI	9.5( 15.3)
MGI	34.0000	118.4000	02/22/1920	1610 0.0	0.0	4.60	0.054	VI	9.5( 15.3)
MGI	34.0000	118.4000	01/29/1927	2324 0.0	0.0	4.00	0.039	V	9.5( 15.3)
GSP	34.2180	118.6070	01/18/1994	113509.9	12.0	4.20	0.043	VI	9.7( 15.6)
GSP	34.2450	118.4710	01/18/1994	155144.9	12.0	4.00	0.037	V	10.1( 16.3)
GSP	34.2540	118.5450	01/17/1994	130627.9	0.0	4.60	0.050	VI	10.6( 17.1)
GSP	34.2610	118.5340	01/17/1994	123939.8	14.0	4.50	0.046	VI	11.0( 17.7)
DMG	34.2650	118.5770	04/15/1971	111432.0	4.2	4.20	0.037	V	11.8( 19.0)
DMG	34.2730	118.5320	06/21/1971	16 1 8.5	4.1	4.00	0.033	V	11.8( 19.0)
DMG	34.2680	118.4450	08/30/1964	225737.1	15.4	4.00	0.033	V	12.0( 19.4)
GSP	34.2690	118.5760	01/17/1994	125546.8	16.0	4.10	0.035	V	12.1( 19.4)
MGI	34.1000	118.3000	07/26/1920	1215 0.0	0.0	4.00	0.033	V	12.1( 19.5)
MGI	34.1000	118.3000	07/16/1920	2127 0.0	0.0	4.60	0.045	VI	12.1( 19.5)
MGI	34.1000	118.3000	07/16/1920	2022 0.0	0.0	4.60	0.045	VI	12.1( 19.5)
MGI	34.1000	118.3000	07/16/1920	2130 0.0	0.0	4.60	0.045	VI	12.1( 19.5)
GSP	34.2740	118.5630	01/27/1994	171958.8	14.0	4.60	0.045	VI	12.2( 19.6)
DMG	34.2840	118.5280	04/02/1971	54025.0	3.0	4.00	0.032	V	12.6( 20.2)
DMG	33.9500	118.6320	08/31/1930	04036.0	0.0	5.20	0.060	VI	12.6( 20.2)
DMG	34.2860	118.5150	03/31/1971	145222.5	2.1	4.60	0.044	VI	12.7( 20.4)
GSP	34.2870	118.4660	01/19/1994	071406.2	11.0	4.00	0.031	V	13.0( 20.9)
GSP	34.2910	118.4760	02/06/1994	131926.9	11.0	4.10	0.033	V	13.2( 21.2)
GSP	34.2920	118.4660	01/19/1994	144635.2	6.0	4.00	0.031	V	13.3( 21.5)
GSP	34.2780	118.6110	01/29/1994	121656.4	2.0	4.30	0.036	V	13.4( 21.5)
DMG	34.2960	118.4640	03/30/1971	85443.3	2.6	4.10	0.032	V	13.6( 21.9)
GSP	34.2970	118.4580	01/21/1994	185344.6	7.0	4.30	0.035	V	13.8( 22.2)
GSB	34.3000	118.4660	01/21/1994	183915.3	10.0	4.70	0.043	VI	13.9( 22.3)
MGI	34.0000	118.3000	09/03/1905	540 0.0	0.0	5.30	0.059	VI	14.0( 22.5)
MGI	34.0000	118.3000	06/22/1920	2035 0.0	0.0	4.00	0.030	V	14.0( 22.5)
MGI	34.0000	118.3000	06/30/1920	350 0.0	0.0	4.00	0.030	V	14.0( 22.5)
GSB	34.3010	118.5650	01/17/1994	204602.4	9.0	5.20	0.056	VI	14.0( 22.6)
GSP	34.3040	118.4730	01/17/1994	150703.2	2.0	4.20	0.033	V	14.1( 22.7)
GSP	34.3010	118.4520	01/21/1994	185244.2	7.0	4.30	0.034	V	14.1( 22.7)
GSB	34.2850	118.6240	01/17/1994	135602.4	19.0	4.70	0.043	VI	14.1( 22.8)
GSP	34.2990	118.4390	02/03/1994	162335.4	8.0	4.20	0.033	V	14.2( 22.8)
PAS	33.9190	118.6270	01/19/1989	65328.8	11.9	5.00	0.049	VI	14.3( 23.0)
GSB	34.2990	118.4280	01/23/1994	085508.7	6.0	4.20	0.032	V	14.4( 23.1)
MGI	34.0800	118.2600	07/16/1920	18 8 0.0	0.0	5.00	0.049	VI	14.5( 23.3)
GSB	34.3100	118.4740	01/21/1994	184228.8	7.0	4.20	0.032	V	14.5( 23.3)
GSP	34.3050	118.5790	01/29/1994	112036.0	1.0	5.10	0.052	VI	14.5( 23.3)
DMG	33.9030	118.4310	11/29/1938	192115.8	10.0	4.00	0.029	V	14.5( 23.4)



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EARTHQUAKE SEARCH RESULTS  
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Page 2

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.3000	118.6000	04/04/1893	1940 0.0	0.0	6.00	0.083	VII	14.5 ( 23.4)
DMG	34.3080	118.4540	02/09/1971	144346.7	6.2	5.20	0.054	VI	14.6 ( 23.4)
PAS	33.9440	118.6810	01/01/1979	231438.9	11.3	5.00	0.049	VI	14.6 ( 23.5)
DMG	33.9830	118.3000	02/11/1940	192410.0	0.0	4.00	0.029	V	14.6 ( 23.6)
GSP	34.3110	118.4560	01/17/1994	193534.3	2.0	4.00	0.029	V	14.7 ( 23.7)
PAS	33.9330	118.6690	10/17/1979	205237.3	5.5	4.20	0.032	V	14.8 ( 23.8)
GSP	34.2930	118.3890	12/06/1994	034834.5	9.0	4.50	0.037	V	14.9 ( 24.0)
GSP	34.3170	118.4550	01/17/1994	132644.7	2.0	4.70	0.040	V	15.2 ( 24.4)
GSB	34.3190	118.5580	01/18/1994	132444.1	1.0	4.50	0.036	V	15.2 ( 24.4)
GSP	34.3110	118.3980	06/15/1994	055948.6	7.0	4.20	0.030	V	15.8 ( 25.4)
GSP	34.3120	118.3930	05/25/1994	125657.1	7.0	4.40	0.033	V	16.0 ( 25.7)
GSG	34.3340	118.4840	01/17/1994	223152.1	10.0	4.20	0.030	V	16.1 ( 25.8)
GSP	34.3310	118.4420	01/17/1994	141430.3	1.0	4.50	0.035	V	16.3 ( 26.2)
DMG	34.1000	118.8000	05/10/1911	1340 0.0	0.0	4.00	0.026	V	16.5 ( 26.5)
T-A	34.0000	118.2500	03/26/1860	0 0 0.0	0.0	5.00	0.044	VI	16.5 ( 26.6)
T-A	34.0000	118.2500	09/23/1827	0 0 0.0	0.0	5.00	0.044	VI	16.5 ( 26.6)
T-A	34.0000	118.2500	01/10/1856	0 0 0.0	0.0	5.00	0.044	VI	16.5 ( 26.6)
T-A	34.0000	118.2500	01/17/1857	1 0 0.0	0.0	4.30	0.031	V	16.5 ( 26.6)
T-A	34.0000	118.2500	03/21/1880	1425 0.0	0.0	4.30	0.031	V	16.5 ( 26.6)
T-A	34.0000	118.2500	05/02/1856	810 0.0	0.0	4.30	0.031	V	16.5 ( 26.6)
T-A	34.0000	118.2500	05/04/1857	6 0 0.0	0.0	4.30	0.031	V	16.5 ( 26.6)
GSB	34.3450	118.5520	01/24/1994	041518.8	6.0	4.80	0.039	V	16.9 ( 27.2)
GSB	34.3330	118.6230	01/18/1994	072356.0	14.0	4.30	0.030	V	17.1 ( 27.6)
DMG	34.3530	118.4560	03/07/1971	13340.5	3.3	4.50	0.033	V	17.6 ( 28.3)
DMG	34.3560	118.4740	03/25/1971	2254 9.9	4.6	4.20	0.028	V	17.6 ( 28.4)
GSP	34.3570	118.4800	02/25/1994	125912.6	1.0	4.10	0.026	V	17.7 ( 28.4)
MGI	34.1000	118.2000	04/21/1921	1538 0.0	0.0	4.00	0.025	V	17.8 ( 28.7)
MGI	34.1000	118.2000	05/02/1916	1432 0.0	0.0	4.00	0.025	V	17.8 ( 28.7)
MGI	34.1000	118.2000	01/27/1860	830 0.0	0.0	4.30	0.029	V	17.8 ( 28.7)
DMG	34.3610	118.4870	02/10/1971	143526.7	4.4	4.20	0.027	V	17.9 ( 28.8)
GSB	34.3600	118.5710	01/19/1994	044048.0	2.0	4.50	0.032	V	18.1 ( 29.1)
DMG	34.3440	118.6360	02/09/1971	143436.1	-2.0	4.90	0.039	V	18.1 ( 29.2)
GSG	34.3040	118.7220	01/17/1994	221922.3	10.0	4.00	0.024	V	18.4 ( 29.6)
DMG	34.3570	118.4060	02/09/1971	141950.2	11.8	4.00	0.024	V	18.6 ( 29.9)
GSB	34.3580	118.6220	01/18/1994	040126.8	1.0	4.50	0.031	V	18.7 ( 30.2)
GSP	34.3260	118.6980	01/17/1994	233330.7	9.0	5.60	0.055	VI	18.7 ( 30.2)
GSP	34.3740	118.4950	01/28/1994	200953.4	0.0	4.20	0.026	V	18.8 ( 30.2)
PAS	34.3470	118.6560	04/08/1976	152138.1	14.5	4.60	0.033	V	18.8 ( 30.2)
DMG	33.8830	118.3170	03/11/1933	1457 0.0	0.0	4.90	0.038	V	18.8 ( 30.2)
GSB	34.3430	118.6660	01/17/1994	234925.4	8.0	4.30	0.028	V	18.8 ( 30.3)
GSP	34.3620	118.6150	03/20/1996	073759.8	13.0	4.10	0.025	V	18.9 ( 30.4)
GSP	34.3590	118.6290	01/24/1994	055024.3	12.0	4.30	0.028	V	18.9 ( 30.5)
GSP	34.3040	118.7370	01/19/1994	091310.9	13.0	4.10	0.025	V	19.0 ( 30.5)
DMG	34.3350	118.3310	02/09/1971	155820.7	14.2	4.80	0.036	V	19.1 ( 30.7)
GSP	34.3630	118.6270	01/24/1994	055421.1	10.0	4.20	0.026	V	19.2 ( 30.8)
MGI	34.0000	118.2000	06/26/1917	2120 0.0	0.0	4.60	0.032	V	19.2 ( 30.8)
MGI	34.0000	118.2000	06/26/1917	2115 0.0	0.0	4.60	0.032	V	19.2 ( 30.8)
MGI	34.0000	118.2000	06/26/1917	424 0.0	0.0	4.00	0.023	IV	19.2 ( 30.8)
MGI	34.0000	118.2000	02/13/1917	13 5 0.0	0.0	4.60	0.032	V	19.2 ( 30.8)
MGI	34.0000	118.2000	06/26/1917	2130 0.0	0.0	4.60	0.032	V	19.2 ( 30.8)
DMG	34.3390	118.3320	02/09/1971	141612.9	11.1	4.10	0.025	V	19.3 ( 31.0)
GSP	34.3790	118.5610	01/18/1994	152346.9	7.0	4.80	0.036	V	19.3 ( 31.1)
CSP	34.3790	118.5630	01/18/1994	003935.0	7.0	4.40	0.029	V	19.3 ( 31.1)

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EARTHQUAKE SEARCH RESULTS  
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Page 3

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
PAS	34.3800	118.4590	08/12/1977	21926.1	9.5	4.50	0.030	V	19.4 (31.2)
GSP	34.0300	118.1800	06/12/1989	165718.4	16.0	4.40	0.028	V	19.6 (31.5)
GSP	34.3680	118.6370	01/17/1994	194353.4	13.0	4.10	0.024	V	19.7 (31.7)
DMG	34.3840	118.4550	02/10/1971	113134.6	6.0	4.20	0.026	V	19.7 (31.7)
DMG	34.3740	118.6220	01/17/1994	155410.8	12.0	4.80	0.035	V	19.8 (31.8)
GSP	34.0200	118.1800	06/12/1989	172225.5	16.0	4.10	0.024	V	19.8 (31.9)
GSP	34.3780	118.6180	01/19/1994	211144.9	11.0	5.10	0.041	V	20.0 (32.1)
T-A	34.1700	118.1700	03/07/1888	1554 0.0	0.0	4.30	0.027	V	20.1 (32.3)
DMG	34.3800	118.6230	10/29/1936	223536.1	10.0	4.00	0.023	IV	20.2 (32.5)
GSP	34.3770	118.6490	04/27/1997	110928.4	15.0	4.80	0.034	V	20.5 (33.0)
GSP	34.3540	118.7040	05/01/1996	194956.4	14.0	4.10	0.023	IV	20.6 (33.1)
GSP	34.3690	118.6720	04/26/1997	103730.7	16.0	5.10	0.040	V	20.6 (33.1)
DMG	34.3920	118.4270	02/21/1971	71511.7	7.2	4.50	0.029	V	20.6 (33.1)
DMG	34.3990	118.4730	03/09/1974	05431.9	24.4	4.70	0.032	V	20.6 (33.1)
DMG	34.3970	118.4390	02/21/1971	55052.6	6.9	4.70	0.032	V	20.8 (33.4)
DMG	33.9390	118.2050	01/11/1950	214135.0	0.4	4.10	0.023	IV	20.9 (33.6)
MG1	33.8000	118.5000	06/18/1915	15 5 0.0	0.0	4.00	0.022	IV	20.9 (33.6)
PDP	34.3970	118.6090	07/22/1999	095724.0	11.0	4.00	0.022	IV	21.1 (33.9)
DMG	34.3990	118.4190	02/10/1971	134953.7	9.7	4.30	0.026	V	21.1 (34.0)
GSG	34.4080	118.5590	01/17/1994	200205.4	0.0	4.00	0.022	IV	21.3 (34.2)
GSP	34.3650	118.7080	01/19/1994	044314.5	12.0	4.10	0.023	IV	21.3 (34.3)
DMG	34.3610	118.3060	02/09/1971	141021.5	5.0	4.70	0.031	V	21.4 (34.4)
DMG	34.3870	118.3640	02/09/1971	143917.8	-1.6	4.00	0.022	IV	21.4 (34.4)
DMG	34.3680	118.3140	04/25/1971	1448 6.5	-2.0	4.00	0.021	IV	21.5 (34.6)
GSP	34.3770	118.6980	01/18/1994	004308.9	11.0	5.20	0.040	V	21.7 (35.0)
PAS	34.1490	118.1350	12/03/1988	113826.4	13.3	4.90	0.034	V	21.8 (35.0)
DMG	34.3960	118.3660	02/10/1971	173855.1	6.2	4.20	0.024	IV	21.9 (35.2)
DMG	34.3700	118.3020	02/10/1971	31212.0	0.8	4.00	0.021	IV	22.0 (35.4)
GSP	34.3940	118.6690	06/26/1995	084028.9	13.0	5.00	0.036	V	22.0 (35.5)
DMG	34.4110	118.4010	02/09/1971	14 8 7.0	8.0	4.20	0.023	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 4 7.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 150.0	8.0	4.50	0.027	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 710.0	8.0	4.00	0.021	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 325.0	8.0	4.40	0.026	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 8 4.0	8.0	4.00	0.021	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 159.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 745.0	8.0	4.50	0.027	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	141028.0	8.0	5.30	0.042	VI	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 346.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 231.0	8.0	4.70	0.030	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 230.0	8.0	4.30	0.025	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 434.0	8.0	4.20	0.023	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 838.0	8.0	4.50	0.027	V	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 1 8.0	8.0	5.80	0.054	VI	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 244.0	8.0	5.80	0.054	VI	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 140.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 550.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 541.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 154.0	8.0	4.20	0.023	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 041.8	8.4	6.40	0.074	VII	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 730.0	8.0	4.00	0.021	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 439.0	8.0	4.10	0.022	IV	22.2 (35.8)
DMG	34.4110	118.4010	02/09/1971	14 444.0	8.0	4.10	0.022	IV	22.2 (35.8)

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EARTHQUAKE SEARCH RESULTS  
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Page 4

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	ACC. g	SITE {SITE INT.	APPROX. DISTANCE mi [km]
DMG	34.4110	118.4010	02/09/1971	14 853.0	8.0	4.60	0.029	V	22.2 ( 35.8)
DMG	34.4110	118.4010	02/09/1971	14 133.0	8.0	4.20	0.023	IV	22.2 ( 35.8)
DMG	34.4110	118.4010	02/09/1971	14 2 3.0	8.0	4.10	0.022	IV	22.2 ( 35.8)
DMG	34.4110	118.4010	02/09/1971	14 446.0	8.0	4.20	0.023	IV	22.2 ( 35.8)
GSE	34.3790	118.7110	01/19/1994	210928.6	14.0	5.50	0.046	VI	22.2 ( 35.8)
DMG	33.8500	118.2670	03/11/1933	629 0.0	0.0	4.40	0.026	V	22.3 ( 36.0)
DMG	33.8500	118.2670	03/11/1933	1425 0.0	0.0	5.00	0.035	V	22.3 ( 36.0)
MGI	33.9000	118.2000	10/08/1927	1914 0.0	0.0	4.60	0.028	V	22.6 ( 36.4)
DMG	33.7830	118.4170	10/14/1940	205111.0	0.0	4.00	0.021	IV	22.7 ( 36.5)
DMG	33.7830	118.4170	11/02/1940	25826.0	0.0	4.00	0.021	IV	22.7 ( 36.5)
DMG	33.7830	118.4170	10/12/1940	024 0.0	0.0	4.00	0.021	IV	22.7 ( 36.5)
DMG	33.7830	118.4170	11/01/1940	725 3.0	0.0	4.00	0.021	IV	22.7 ( 36.5)
DMG	33.7700	118.4800	04/24/1931	182754.8	0.0	4.40	0.025	V	23.0 ( 37.0)
DMG	34.4260	118.4140	02/10/1971	518 7.2	5.8	4.50	0.027	V	23.0 ( 37.0)
DMG	34.4280	118.4130	04/01/1971	15 3 3.6	8.0	4.10	0.021	IV	23.2 ( 37.3)
GSP	34.0490	118.9150	02/19/1995	212418.1	15.0	4.30	0.024	IV	23.4 ( 37.6)
DMG	33.8670	118.2170	06/19/1944	3 6 7.0	0.0	4.40	0.025	V	23.4 ( 37.7)
DMG	33.8670	118.2170	06/19/1944	0 333.0	0.0	4.50	0.026	V	23.4 ( 37.7)
DMG	33.7670	118.4500	10/11/1940	55712.3	0.0	4.70	0.029	V	23.4 ( 37.7)
MGI	34.1000	118.1000	07/11/1855	415 0.0	0.0	6.30	0.068	VI	23.5 ( 37.9)
PAS	34.0600	118.1000	10/01/1987	1449 5.9	11.7	4.70	0.029	V	23.7 ( 38.2)
DMG	34.4110	118.3290	02/10/1971	5 636.0	4.7	4.30	0.023	IV	23.7 ( 38.2)
DMG	34.4330	118.3980	02/09/1971	144017.4	-2.0	4.10	0.021	IV	23.7 ( 38.2)
PAS	34.0730	118.0980	10/04/1987	105938.2	8.2	5.30	0.040	V	23.7 ( 38.2)
PAS	34.0490	118.1010	10/01/1987	144541.5	13.6	4.70	0.029	V	23.8 ( 38.2)
DMG	33.9500	118.1330	10/25/1933	7 046.0	0.0	4.30	0.023	IV	24.1 ( 38.7)
DMG	34.4310	118.3690	08/14/1974	144555.2	8.2	4.20	0.022	IV	24.1 ( 38.8)
DMG	34.4460	118.4360	02/10/1971	185441.7	8.1	4.20	0.022	IV	24.1 ( 38.8)
DMG	33.8670	118.2000	11/13/1933	2128 0.0	0.0	4.00	0.020	IV	24.1 ( 38.8)
MGI	33.8000	118.3000	12/31/1928	1045 0.0	0.0	4.00	0.020	IV	24.1 ( 38.8)
DMG	33.8000	118.3000	11/03/1931	16 5 0.0	0.0	4.00	0.020	IV	24.1 ( 38.8)
PAS	34.0760	118.0900	10/01/1987	1448 3.1	11.7	4.10	0.021	IV	24.2 ( 38.9)
PAS	34.0520	118.0900	10/01/1987	151231.8	10.8	4.70	0.028	V	24.4 ( 39.2)
PAS	34.0500	118.0870	10/01/1987	155953.5	10.4	4.00	0.019	IV	24.5 ( 39.5)
PAS	34.0610	118.0790	10/01/1987	144220.0	9.5	5.90	0.052	VI	24.9 ( 40.1)
DMG	34.4570	118.4270	02/09/1971	161926.5	-1.0	4.20	0.021	IV	24.9 ( 40.1)
PAS	34.4630	118.4090	09/24/1977	212824.3	5.0	4.20	0.021	IV	25.6 ( 41.1)
DMG	33.8170	118.2170	10/22/1941	65718.5	0.0	4.90	0.030	V	25.9 ( 41.7)
PAS	34.0540	118.9640	04/13/1982	11 212.2	16.6	4.00	0.019	IV	26.1 ( 42.0)
DMG	34.4850	118.5210	07/16/1965	74622.4	15.1	4.00	0.018	IV	26.4 ( 42.5)
PAS	34.0770	118.0470	02/11/1988	152555.7	12.5	4.70	0.026	V	26.6 ( 42.8)
DMG	33.7830	118.2500	11/14/1941	84136.3	0.0	5.40	0.038	V	26.7 ( 42.9)
DMG	34.0170	118.9670	04/16/1948	222624.0	0.0	4.70	0.026	V	26.7 ( 43.0)
DMG	33.9000	118.1000	07/08/1929	1646 6.7	13.0	4.70	0.026	V	27.4 ( 44.1)
GSP	34.5000	118.5600	07/05/1991	174157.1	11.0	4.10	0.019	IV	27.6 ( 44.4)
PAS	34.0160	118.9880	10/26/1984	172043.5	13.3	4.60	0.024	V	27.9 ( 44.9)
DMG	33.7590	118.2530	08/31/1938	31814.2	10.0	4.50	0.023	IV	28.0 ( 45.0)
DMG	33.9670	118.0500	01/30/1941	13446.9	0.0	4.10	0.019	IV	28.0 ( 45.1)
DMG	33.7830	118.2000	12/27/1939	192849.0	0.0	4.70	0.025	V	28.4 ( 45.6)
DMG	34.4170	118.8330	06/01/1946	11 631.0	0.0	4.10	0.018	IV	28.4 ( 45.7)
MGI	34.0000	119.0000	12/14/1912	0 0 0.0	0.0	5.70	0.042	VI	28.8 ( 46.4)
DMG	34.0000	119.0000	09/24/1827	4 0 0.0	0.0	7.00	0.084	VII	28.8 ( 46.4)
MGI	34.1000	118.0000	01/27/1930	2026 0.0	0.0	4.60	0.023	IV	29.2 ( 47.1)

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EARTHQUAKE SEARCH RESULTS  
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Page 5

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.2000	118.0000	01/09/1921	530 0.0	0.0	4.60	0.023	IV	30.0 ( 48.3)
DMG	34.0650	119.0350	02/21/1973	144557.3	8.0	5.90	0.045	VI	30.0 ( 48.3)
MGI	34.0000	118.0000	05/05/1929	735 0.0	0.0	4.00	0.017	IV	30.1 ( 48.4)
MGI	34.0000	118.0000	12/25/1903	1745 0.0	0.0	5.00	0.028	V	30.1 ( 48.4)
MGI	34.0000	118.0000	05/05/1929	1 7 0.0	0.0	4.60	0.023	IV	30.1 ( 48.4)
DMG	34.5290	118.6440	02/07/1956	21656.5	16.0	4.20	0.018	IV	30.4 ( 48.9)
DMG	33.7500	118.1830	08/04/1933	41748.0	0.0	4.00	0.016	IV	30.8 ( 49.5)
DMG	33.6630	118.4130	01/08/1967	738 5.3	17.7	4.00	0.016	IV	30.9 ( 49.7)
DMG	33.7830	118.1330	10/02/1933	91017.6	0.0	5.40	0.034	V	30.9 ( 49.8)
DMG	33.7830	118.1330	11/20/1933	1032 0.0	0.0	4.00	0.016	IV	30.9 ( 49.8)
DMG	33.7830	118.1330	01/13/1940	749 7.0	0.0	4.00	0.016	IV	30.9 ( 49.8)
GSP	34.2620	118.0020	06/28/1991	144354.5	11.0	5.40	0.034	V	31.1 ( 50.1)
DMG	33.7500	118.1670	05/16/1933	205855.0	0.0	4.00	0.016	IV	31.3 ( 50.4)
GSP	34.2500	117.9900	06/28/1991	170055.5	9.0	4.30	0.019	IV	31.5 ( 50.7)
DMG	33.9960	117.9750	06/15/1967	458 5.5	10.0	4.10	0.017	IV	31.6 ( 50.8)
T-A	34.4200	118.9200	03/29/1917	8 6 0.0	0.0	4.30	0.019	IV	32.0 ( 51.5)
DMG	33.9900	119.0580	05/29/1955	164335.4	17.4	4.10	0.017	IV	32.2 ( 51.8)
DMG	33.7670	118.1170	11/04/1939	2141 0.0	0.0	4.00	0.016	IV	32.4 ( 52.1)
DMG	33.6320	118.4670	01/08/1967	73730.4	11.4	4.00	0.016	IV	32.6 ( 52.4)
DMG	33.7500	118.1330	03/11/1933	11 4 0.0	0.0	4.60	0.021	IV	32.6 ( 52.4)
DMG	33.6330	118.4000	10/17/1934	938 0.0	0.0	4.00	0.015	IV	33.0 ( 53.2)
DMG	34.5190	118.1980	08/23/1952	10 9 7.1	13.1	5.00	0.026	V	33.9 ( 54.5)
DMG	34.5860	118.6130	02/07/1956	31638.6	2.6	4.60	0.021	IV	33.9 ( 54.5)
DMG	33.7500	118.0830	03/11/1933	252 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	034 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	832 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	432 0.0	0.0	4.70	0.022	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	439 0.0	0.0	4.90	0.024	V	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	759 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	8 8 0.0	0.0	4.50	0.019	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	227 0.0	0.0	4.60	0.021	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	555 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/17/1933	1651 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	448 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	23 5 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	027 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	343 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/25/1933	1346 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	2354 0.0	0.0	4.50	0.019	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	751 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	440 0.0	0.0	4.70	0.022	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	617 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	230 0.0	0.0	5.10	0.027	V	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2232 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	436 0.0	0.0	4.60	0.021	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	3 5 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	3 9 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	553 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	336 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	1651 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/15/1933	432 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	524 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	216 0.0	0.0	4.80	0.023	IV	34.6 ( 55.6)

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EARTHQUAKE SEARCH RESULTS  
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Page 6

FILE CODE	LAT.	LONG.	DATE	TIME (UTC)	DEPTH	QUAKE	SITE ACC.	SITE MM	APPROX. DISTANCE
	NORTH	WEST		H M Sec	(km)	MAG.	g	INT.	mi {km}
DMG	33.7500	118.0830	03/16/1933	1529 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1147 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1141 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/16/1933	1530 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	837 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	1825 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	259 0.0	0.0	4.60	0.021	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/14/1933	036 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	740 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/23/1933	1831 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/30/1933	1225 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/15/1933	2 8 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/31/1933	1049 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/15/1933	540 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	04/02/1933	1536 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	2128 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/16/1933	1456 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	222 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2240 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/14/1933	2242 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	546 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	521 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/21/1933	326 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	6 1 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2 4 0.0	0.0	4.90	0.024	V	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1547 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1129 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1944 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2 9 0.0	0.0	5.00	0.025	V	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	211 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2231 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	347 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1138 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	926 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/14/1933	1219 0.0	0.0	4.50	0.019	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	311 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/19/1933	2123 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	1929 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	515 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	616 0.0	0.0	4.60	0.021	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	635 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/23/1933	840 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	911 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	323 0.0	0.0	5.00	0.025	V	34.6 ( 55.6)
DMG	33.7500	118.0830	04/01/1933	642 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	339 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	210 0.0	0.0	4.60	0.021	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	910 0.0	0.0	5.10	0.027	V	34.6 ( 55.6)
DMG	33.7500	118.0830	04/02/1933	8 0 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	257 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	2 5 0.0	0.0	4.30	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	513 0.0	0.0	4.70	0.022	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	258 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)

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EARTHQUAKE SEARCH RESULTS  
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Page 7

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME	DEPTH (km)	QUAKE	SITE ACC.	SITE	APPROX. DISTANCE
				(UTC) H M Sec		MAG.		MM INT.	
DMG	33.7500	118.0830	03/20/1933	1358 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	1738 0.0	0.0	4.50	0.019	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/18/1933	2052 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	131828.0	0.0	5.30	0.030	V	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	22 0 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	611 0.0	0.0	4.40	0.018	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	618 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	15 2 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/13/1933	1532 0.0	0.0	4.10	0.016	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1956 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	11 0 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1357 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1025 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/12/1933	835 0.0	0.0	4.20	0.017	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1045 0.0	0.0	4.00	0.015	IV	34.6 ( 55.6)
DMG	33.7500	118.0830	03/11/1933	1653 0.0	0.0	4.80	0.023	IV	34.6 ( 55.6)
DMG	33.7330	118.1000	03/11/1933	15 9 0.0	0.0	4.40	0.018	IV	34.7 ( 55.9)
DMG	33.7330	118.1000	03/11/1933	1350 0.0	0.0	4.40	0.018	IV	34.7 ( 55.9)
DMG	33.7330	118.1000	03/11/1933	1447 0.0	0.0	4.40	0.018	IV	34.7 ( 55.9)
PAS	34.3780	119.0350	04/03/1985	4 449.8	27.9	4.00	0.015	IV	35.4 ( 57.0)
DMG	34.2000	117.9000	08/28/1889	215 0.0	0.0	5.50	0.032	V	35.6 ( 57.3)
DMG	34.2000	117.9000	07/13/1935	105416.5	0.0	4.70	0.021	IV	35.6 ( 57.3)
DMG	33.8000	118.0000	10/21/1913	938 0.0	0.0	4.00	0.015	IV	36.0 ( 57.9)
DMG	33.6330	118.2000	11/01/1940	20 046.0	0.0	4.00	0.014	IV	37.0 ( 59.5)
PAS	33.9650	117.8860	01/01/1976	172012.9	6.2	4.20	0.016	IV	37.0 ( 59.6)
DMG	33.6300	118.2000	09/13/1929	132338.2	0.0	4.00	0.014	IV	37.2 ( 59.8)
DMG	34.4830	118.9830	09/04/1942	63433.0	0.0	4.50	0.018	IV	37.6 ( 60.5)
DMG	34.4830	118.9830	09/03/1942	14 6 1.0	0.0	4.50	0.018	IV	37.6 ( 60.5)
DMG	33.7000	118.0670	03/11/1933	51022.0	0.0	5.10	0.025	V	37.7 ( 60.7)
DMG	33.7000	118.0670	02/08/1940	165617.0	0.0	4.00	0.014	IV	37.7 ( 60.7)
DMG	33.7000	118.0670	03/11/1933	85457.0	0.0	5.10	0.025	V	37.7 ( 60.7)
DMG	33.7000	118.0670	07/20/1940	4 113.0	0.0	4.00	0.014	IV	37.7 ( 60.7)
DMG	33.7500	118.0000	11/16/1934	2126 0.0	0.0	4.00	0.014	IV	38.1 ( 61.3)
DMG	34.5650	118.1130	02/28/1969	45612.4	5.3	4.30	0.016	IV	39.2 ( 63.1)
DMG	33.6830	118.0500	03/11/1933	1250 0.0	0.0	4.40	0.017	IV	39.2 ( 63.1)
DMG	33.6830	118.0500	03/11/1933	658 3.0	0.0	5.50	0.030	V	39.2 ( 63.1)
PAS	33.9060	119.1660	05/23/1978	91650.8	6.0	4.00	0.013	III	39.8 ( 64.1)
DMG	33.5430	118.3400	09/14/1963	35116.2	2.2	4.20	0.015	IV	39.9 ( 64.1)
MGI	34.2000	119.2000	06/16/1914	1052 0.0	0.0	4.60	0.018	IV	39.9 ( 64.2)
DMG	33.6170	118.1170	01/20/1934	2117 0.0	0.0	4.50	0.017	IV	40.4 ( 65.1)
DMG	34.1180	119.2200	03/18/1957	185628.0	13.8	4.70	0.019	IV	40.5 ( 65.2)
DMG	34.1000	117.8000	03/31/1931	2033 0.0	0.0	4.00	0.013	III	40.7 ( 65.5)
PAS	34.5410	118.9890	06/12/1984	02752.4	11.7	4.10	0.014	IV	40.7 ( 65.5)
MGI	33.8000	117.9000	05/22/1902	740 0.0	0.0	4.30	0.015	IV	40.8 ( 65.6)
DMG	34.6000	118.9000	05/18/1940	91512.0	0.0	4.00	0.013	III	40.9 ( 65.8)
DMG	33.6710	118.0120	10/20/1961	223534.2	5.6	4.10	0.014	III	41.3 ( 66.5)
DMG	33.6800	117.9930	11/20/1961	85334.7	4.4	4.00	0.013	III	41.6 ( 67.0)
PAS	33.5380	118.2070	05/25/1982	134430.3	13.7	4.10	0.013	III	42.7 ( 68.7)
DMG	33.6540	117.9940	10/20/1961	194950.5	4.6	4.30	0.015	IV	42.9 ( 69.0)
DMG	33.6650	117.9790	10/20/1961	214240.7	7.2	4.00	0.013	III	42.9 ( 69.1)
DMG	34.6670	118.8330	01/24/1950	215659.0	0.0	4.00	0.013	III	43.1 ( 69.3)
DMG	33.6590	117.9810	10/20/1961	20 714.5	6.1	4.00	0.013	III	43.1 ( 69.4)
DMG	33.6170	118.0330	05/21/1938	944 0.0	0.0	4.00	0.013	III	43.3 ( 69.7)

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EARTHQUAKE SEARCH RESULTS  
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Page 8

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
PAS	33.6300	119.0200	10/23/1981	172816.9	12.0	4.60	0.017	IV	43.7 ( 70.4)
DMG	33.6170	118.0170	10/02/1933	1326 1.0	0.0	4.00	0.012	III	43.9 ( 70.6)
DMG	33.6170	118.0170	03/14/1933	19 150.0	0.0	5.10	0.022	IV	43.9 ( 70.6)
DMG	33.6170	118.0170	03/15/1933	111332.0	0.0	4.90	0.020	IV	43.9 ( 70.6)
DMG	34.5000	119.1170	11/17/1954	23 351.0	0.0	4.40	0.015	IV	44.1 ( 71.0)
DMG	33.5000	118.2500	06/18/1920	10 8 0.0	0.0	4.50	0.016	IV	44.2 ( 71.1)
PAS	34.0060	117.7390	02/18/1989	717 4.8	3.3	4.30	0.014	IV	44.7 ( 71.9)
MGI	33.7000	117.9000	07/08/1902	945 0.0	0.0	4.00	0.012	III	44.7 ( 72.0)
PAS	33.6370	119.0560	10/23/1981	191552.5	6.3	4.60	0.017	IV	44.8 ( 72.1)
DMG	33.6000	118.0170	12/25/1935	1715 0.0	0.0	4.50	0.016	IV	44.8 ( 72.1)
GSP	34.1100	117.7200	04/17/1990	223227.2	4.0	4.60	0.017	IV	45.2 ( 72.8)
GSP	34.1500	117.7200	03/01/1990	032303.0	11.0	4.70	0.018	IV	45.4 ( 73.0)
DMG	33.6000	118.0000	03/11/1933	217 0.0	0.0	4.50	0.016	IV	45.4 ( 73.1)
DMG	33.6000	118.0000	03/11/1933	231 0.0	0.0	4.40	0.015	IV	45.4 ( 73.1)
PAS	33.6710	119.1110	09/04/1981	155050.3	5.0	5.30	0.024	V	45.5 ( 73.2)
DMG	34.4000	117.8000	02/24/1946	6 752.0	0.0	4.10	0.013	III	45.5 ( 73.2)
DMG	33.5610	118.0580	01/15/1937	183547.0	10.0	4.00	0.012	III	45.5 ( 73.3)
MGI	33.8000	117.8000	05/19/1917	719 0.0	0.0	4.00	0.012	III	45.8 ( 73.7)
MGI	33.8000	117.8000	11/07/1926	1948 0.0	0.0	4.60	0.017	IV	45.8 ( 73.7)
MGI	33.8000	117.8000	11/04/1926	2238 0.0	0.0	4.60	0.017	IV	45.8 ( 73.7)
MGI	33.8000	117.8000	11/10/1926	1723 0.0	0.0	4.60	0.017	IV	45.8 ( 73.7)
MGI	33.8000	117.8000	05/19/1917	635 0.0	0.0	4.00	0.012	III	45.8 ( 73.7)
MGI	33.8000	117.8000	05/20/1917	945 0.0	0.0	4.00	0.012	III	45.8 ( 73.7)
MGI	33.8000	117.8000	11/09/1926	1535 0.0	0.0	4.60	0.017	IV	45.8 ( 73.7)
DMG	33.6170	117.9670	03/11/1933	154 7.8	0.0	6.30	0.040	V	45.8 ( 73.7)
PAS	34.1360	117.7090	06/26/1988	15 458.5	7.9	4.60	0.016	IV	45.9 ( 73.9)
DMG	33.7670	117.8170	08/22/1936	521 0.0	0.0	4.00	0.012	III	46.0 ( 74.1)
GSP	34.1300	117.7000	03/01/1990	003457.1	4.0	4.00	0.012	III	46.4 ( 74.7)
GSP	34.1400	117.7000	02/28/1990	234336.6	5.0	5.20	0.022	IV	46.5 ( 74.8)
DMG	33.8540	117.7520	10/04/1961	22131.6	4.3	4.10	0.012	III	46.7 ( 75.2)
DMG	33.5170	118.1000	03/22/1941	82240.0	0.0	4.00	0.012	III	46.8 ( 75.3)
MGI	34.0000	117.7000	12/03/1929	9 5 0.0	0.0	4.00	0.012	III	47.0 ( 75.6)
GSP	34.1400	117.6900	03/02/1990	172625.4	6.0	4.60	0.016	IV	47.0 ( 75.7)
MGI	34.3000	119.3000	05/15/1927	1120 0.0	0.0	4.00	0.012	III	47.0 ( 75.7)
MGI	34.3000	119.3000	05/01/1904	1830 0.0	0.0	4.60	0.016	IV	47.0 ( 75.7)
MGI	34.3000	119.3000	09/28/1926	1749 0.0	0.0	4.00	0.012	III	47.0 ( 75.7)
GSP	33.9510	117.7090	01/05/1998	181406.5	11.0	4.30	0.014	IV	47.1 ( 75.8)
DMG	34.1000	117.6830	01/18/1934	214 0.0	0.0	4.00	0.012	III	47.4 ( 76.2)
DMG	34.1000	117.6830	01/09/1934	1410 0.0	0.0	4.50	0.015	IV	47.4 ( 76.2)
DMG	33.5750	117.9830	03/11/1933	518 4.0	0.0	5.20	0.022	IV	47.4 ( 76.2)
DMG	33.5670	117.9830	07/07/1937	1112 0.0	0.0	4.00	0.012	III	47.8 ( 76.9)
DMG	33.5670	117.9830	04/17/1934	1833 0.0	0.0	4.00	0.012	III	47.8 ( 76.9)
DMG	34.1500	119.3500	08/22/1950	224758.0	0.0	4.20	0.013	III	48.0 ( 77.3)
PAS	33.5080	118.0710	11/20/1988	53928.7	6.0	4.50	0.015	IV	48.2 ( 77.6)
DMG	34.6170	119.0830	02/26/1950	0 622.0	0.0	4.70	0.017	IV	48.2 ( 77.6)
GSP	33.6200	117.9000	04/07/1989	200730.2	13.0	4.50	0.015	IV	48.4 ( 77.8)
DMG	33.6040	119.1050	03/25/1956	332 2.3	8.2	4.20	0.013	III	48.4 ( 77.9)
DMG	34.6830	119.0000	04/06/1943	223624.0	0.0	4.00	0.011	III	48.8 ( 78.5)
MGI	34.4000	119.3000	08/12/1925	1845 0.0	0.0	4.00	0.011	III	49.5 ( 79.6)
DMG	34.7170	118.9670	06/11/1935	1810 0.0	0.0	4.00	0.011	III	49.7 ( 80.0)
DMG	34.7000	119.0000	10/23/1916	254 0.0	0.0	5.50	0.025	V	49.8 ( 80.1)
PAS	33.4710	118.0610	02/27/1984	101815.0	6.0	4.00	0.011	III	50.7 ( 81.6)
DMG	34.1000	119.4000	05/19/1893	035 0.0	0.0	5.50	0.024	V	50.8 ( 81.7)

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EARTHQUAKE SEARCH RESULTS  
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Page 9

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
T-A	34.8300	118.7500	11/27/1852	0 0 0.0	0.0	7.00	0.053	VI	52.0 ( 83.7)
DMG	34.7840	118.9020	07/27/1972	03117.4	8.0	4.40	0.013	III	52.0 ( 83.8)
DMG	34.3700	117.6500	12/08/1812	15 0 0.0	0.0	7.00	0.053	VI	52.5 ( 84.5)
DMG	33.5830	119.1830	02/10/1952	135055.0	0.0	4.00	0.011	III	52.6 ( 84.7)
GSP	34.3740	117.6490	08/20/1998	234958.4	9.0	4.40	0.013	III	52.7 ( 84.8)
DMG	34.1830	117.5830	10/03/1948	24628.0	0.0	4.00	0.011	III	53.3 ( 85.8)
DMG	34.3000	117.6000	07/30/1894	512 0.0	0.0	6.00	0.030	V	53.8 ( 86.6)
DMG	33.9500	117.5830	04/11/1941	12024.0	0.0	4.00	0.011	III	54.2 ( 87.2)
GSP	34.4810	119.3530	10/23/1996	220929.4	14.0	4.20	0.012	III	54.7 ( 88.0)
DMG	33.3670	118.1500	04/16/1942	72833.0	0.0	4.00	0.010	III	54.9 ( 88.3)
DMG	34.1830	117.5480	09/01/1937	163533.5	10.0	4.50	0.014	III	55.3 ( 89.0)
DMG	34.3040	117.5700	05/05/1969	16 2 9.6	8.8	4.40	0.013	III	55.5 ( 89.4)
DMG	33.9860	119.4750	08/06/1973	232917.0	16.9	5.00	0.018	IV	55.7 ( 89.6)
DMG	33.5450	117.8070	10/27/1969	1316 2.3	6.5	4.50	0.013	III	55.8 ( 89.8)
DMG	34.1670	117.5330	03/01/1948	81213.0	0.0	4.70	0.015	IV	56.1 ( 90.3)
DMG	34.2810	117.5520	09/13/1970	44748.6	8.0	4.40	0.013	III	56.2 ( 90.4)
DMG	33.8000	117.6000	09/16/1903	1210 0.0	0.0	4.00	0.010	III	56.2 ( 90.5)
MGI	33.8000	117.6000	04/22/1918	2115 0.0	0.0	5.00	0.017	IV	56.2 ( 90.5)
DMG	34.8670	118.8670	07/22/1952	74455.0	0.0	4.10	0.011	III	56.5 ( 91.0)
PAS	34.2110	117.5300	10/19/1979	122237.8	4.9	4.10	0.011	III	56.6 ( 91.0)
DMG	34.2110	117.5300	09/01/1937	1348 8.2	10.0	4.50	0.013	III	56.6 ( 91.0)
DMG	34.1270	117.5210	12/27/1938	10 928.6	10.0	4.00	0.010	III	56.6 ( 91.2)
DMG	34.2700	117.5400	09/12/1970	143053.0	8.0	5.40	0.021	IV	56.7 ( 91.2)
DMG	34.0000	119.5000	02/18/1926	1818 0.0	0.0	5.00	0.017	IV	57.0 ( 91.7)
DMG	34.0000	119.5000	03/19/1905	440 0.0	0.0	4.00	0.010	III	57.0 ( 91.7)
MGI	34.0000	119.5000	05/03/1926	1353 0.0	0.0	4.30	0.012	III	57.0 ( 91.7)
DMG	34.1400	117.5150	01/01/1965	8 418.0	5.9	4.40	0.013	III	57.0 ( 91.8)
DMG	33.4300	119.0960	10/31/1969	103929.0	7.3	4.80	0.015	IV	57.3 ( 92.2)
DMG	34.2500	119.5000	04/21/1917	659 0.0	0.0	4.00	0.010	III	57.4 ( 92.3)
DMG	34.2500	119.5000	04/13/1917	359 0.0	0.0	4.50	0.013	III	57.4 ( 92.3)
DMG	34.8350	118.9880	11/29/1936	55445.3	10.0	4.00	0.010	III	57.4 ( 92.4)
DMG	34.2670	117.5180	09/12/1970	141011.2	8.0	4.10	0.011	III	57.9 ( 93.1)
DMG	34.8670	118.9330	09/21/1941	1953 7.2	0.0	5.20	0.019	IV	58.0 ( 93.3)
DMG	33.9170	119.5000	08/26/1954	1348 3.0	0.0	4.80	0.015	IV	58.0 ( 93.3)
DMG	34.2000	117.5000	06/14/1892	1325 0.0	0.0	4.90	0.016	IV	58.2 ( 93.6)
MGI	34.0000	117.5000	12/16/1858	10 0 0.0	0.0	7.00	0.049	VI	58.3 ( 93.8)
DMG	34.0000	117.5000	07/03/1908	1255 0.0	0.0	4.00	0.010	III	58.3 ( 93.8)
DMG	34.3490	119.4920	07/14/1958	52555.3	16.0	4.70	0.014	IV	58.5 ( 94.1)
DMG	34.2670	119.5170	04/12/1944	153310.0	0.0	4.00	0.010	III	58.5 ( 94.2)
DMG	34.8000	119.1000	09/05/1883	1230 0.0	0.0	6.00	0.029	V	58.7 ( 94.4)
USG	34.4180	119.4680	09/07/1984	11 345.2	9.5	4.00	0.010	III	58.8 ( 94.6)
DMG	34.8430	119.0260	03/07/1939	195331.8	10.0	4.00	0.010	III	58.9 ( 94.8)
DMG	34.1240	117.4800	05/15/1955	17 326.0	7.6	4.00	0.010	III	59.0 ( 94.9)
DMG	34.1160	117.4750	06/28/1960	20 048.0	12.0	4.10	0.010	III	59.3 ( 95.4)
DMG	34.9000	118.9000	10/23/1916	244 0.0	0.0	6.00	0.028	V	59.3 ( 95.5)
DMG	34.3000	117.5000	07/22/1899	2032 0.0	0.0	6.50	0.037	V	59.3 ( 95.5)
PAS	34.9430	118.7430	06/10/1988	23 643.0	6.8	5.40	0.021	IV	59.5 ( 95.8)
DMG	34.8670	119.0170	07/21/1952	2153 9.0	0.0	4.30	0.011	III	60.1 ( 96.7)
DMG	34.2170	117.4670	03/25/1941	234347.0	0.0	4.00	0.010	III	60.2 ( 96.9)
DMG	34.9000	118.9500	08/01/1952	13 430.0	0.0	5.10	0.017	IV	60.5 ( 97.3)
DMG	34.8850	119.0020	02/23/1939	91846.7	10.0	4.50	0.013	III	60.8 ( 97.9)
PAS	34.1350	117.4480	01/08/1983	71930.4	4.6	4.10	0.010	III	60.8 ( 97.9)
T-A	34.9200	118.9200	01/20/1857	0 0 0.0	0.0	5.00	0.016	IV	61.0 ( 98.2)



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EARTHQUAKE SEARCH RESULTS  
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Page 10

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
T-A	34.9200	118.9200	08/29/1857	0 0 0.0	0.0	4.30	0.011	III	61.0( 98.2)
T-A	34.9200	118.9200	05/23/1857	0 0 0.0	0.0	5.00	0.016	IV	61.0( 98.2)
DMG	34.2670	119.5670	06/29/1968	191357.0	10.0	4.40	0.012	III	61.3( 98.7)
DMG	34.8830	119.0330	08/20/1952	84747.0	0.0	4.20	0.011	III	61.5( 99.0)
DMG	34.9110	118.9730	02/23/1939	84551.7	10.0	4.50	0.012	III	61.7( 99.3)
DMG	34.9500	118.8670	07/21/1952	121936.0	0.0	5.30	0.019	IV	61.9( 99.6)
DMG	34.1120	117.4260	03/19/1937	12338.4	10.0	4.00	0.010	III	62.1( 99.9)
DMG	34.1320	117.4260	04/15/1965	20 833.3	5.5	4.50	0.012	III	62.1( 99.9)
DMG	33.6820	117.5530	07/05/1938	18 655.7	10.0	4.50	0.012	III	62.1(100.0)
DMG	34.2450	119.5880	06/29/1968	203633.6	1.8	4.00	0.009	III	62.3(100.2)
DMG	34.9280	118.9700	01/15/1955	1 3 6.7	9.1	4.30	0.011	III	62.7(100.9)
DMG	34.5000	119.5000	06/29/1926	2321 0.0	0.0	5.50	0.021	IV	62.7(100.9)
DMG	34.5000	119.5000	08/05/1930	1125 0.0	0.0	5.00	0.016	IV	62.7(100.9)
DMG	34.5000	119.5000	12/05/1920	1158 0.0	0.0	4.50	0.012	III	62.7(100.9)
DMG	33.3390	119.1040	10/24/1969	202642.5	-1.8	4.70	0.014	III	62.7(101.0)
T-A	34.0000	117.4200	09/10/1920	1415 0.0	0.0	4.30	0.011	III	62.8(101.1)
T-A	34.0000	117.4200	04/12/1888	1315 0.0	0.0	4.30	0.011	III	62.8(101.1)
DMG	34.9030	119.0380	05/08/1939	248 5.3	10.0	4.50	0.012	III	62.9(101.2)
DMG	33.7170	117.5170	06/19/1935	1117 0.0	0.0	4.00	0.009	III	62.9(101.2)
DMG	34.9000	119.0500	07/22/1952	143018.0	0.0	4.30	0.011	III	63.0(101.4)
DMG	34.9320	118.9760	03/01/1963	02557.9	13.9	5.00	0.016	IV	63.1(101.5)
DMG	34.3330	119.5830	07/01/1941	830 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	10/02/1938	1845 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/12/1941	1618 0.0	0.0	4.50	0.012	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	2354 0.0	0.0	4.50	0.012	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	821 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	09/15/1941	137 2.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	09/08/1941	31423.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	09/08/1941	31245.0	0.0	4.50	0.012	III	63.2(101.7)
DMG	34.3330	119.5830	07/03/1941	1926 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/02/1941	2219 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	09/25/1941	51256.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	945 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	09/14/1941	14518.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	819 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	1820 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	11/21/1941	1656 3.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	11/18/1941	18 810.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	848 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	1025 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	9 5 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	34.3330	119.5830	07/01/1941	858 0.0	0.0	4.00	0.009	III	63.2(101.7)
DMG	35.0000	118.7330	04/29/1953	124745.0	0.0	4.70	0.014	III	63.2(101.8)
DMG	35.0000	118.7330	08/23/1952	6 3 3.0	0.0	4.30	0.011	III	63.2(101.8)
DMG	33.7170	117.5070	08/06/1938	22 056.0	10.0	4.00	0.009	III	63.4(102.0)
DMG	34.9500	118.9500	10/16/1952	1222 7.0	0.0	4.30	0.011	III	63.6(102.4)
DMG	33.7250	117.4980	01/03/1956	02548.9	13.7	4.70	0.013	III	63.6(102.4)
DMG	34.9450	118.9680	03/04/1963	201042.3	8.5	4.00	0.009	III	63.7(102.5)
DMG	33.6990	117.5110	05/31/1938	83455.4	10.0	5.50	0.021	IV	63.7(102.6)
DMG	34.3670	119.5830	07/01/1941	75054.8	0.0	5.90	0.025	V	63.8(102.7)
DMG	34.2550	119.6140	07/31/1968	224445.3	15.0	4.00	0.009	III	63.8(102.7)
DMG	34.2000	117.4000	07/22/1899	046 0.0	0.0	5.50	0.021	IV	63.9(102.8)
DMG	34.9410	118.9870	11/15/1961	53855.5	10.7	5.00	0.016	IV	63.9(102.8)

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 EARTHQUAKE SEARCH RESULTS  
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Page 11

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.0000	117.4000	05/22/1907	652 0.0	0.0	4.60	0.013	III	64.0(102.9)
DMG	33.7480	117.4790	06/22/1971	104119.0	8.0	4.20	0.010	III	64.0(103.0)
DMG	33.6670	119.5000	11/30/1939	64251.0	0.0	4.00	0.009	III	64.1(103.2)
PAS	34.2510	119.6220	03/23/1988	84247.0	16.4	4.00	0.009	III	64.3(103.4)
GSP	34.1900	117.3900	12/28/1989	094108.1	15.0	4.50	0.012	III	64.4(103.6)
USG	34.1390	117.3860	02/21/1987	231530.1	2.6	4.07	0.010	III	64.4(103.6)
DMG	35.0000	118.8330	07/23/1952	181351.0	0.0	5.20	0.017	IV	64.6(104.0)
DMG	35.0000	118.8330	12/01/1952	52610.0	0.0	4.40	0.011	III	64.6(104.0)
DMG	35.0000	118.8330	07/23/1952	75319.0	0.0	5.40	0.019	IV	64.6(104.0)
DMG	34.2540	119.6280	07/08/1968	91837.2	15.7	4.00	0.009	III	64.6(104.0)
DMG	34.9830	118.9000	03/23/1953	17 637.0	0.0	4.00	0.009	III	64.7(104.1)
DMG	34.9830	118.9000	07/24/1952	95032.0	0.0	4.30	0.011	III	64.7(104.1)
DMG	34.9670	118.9500	11/27/1952	153641.0	0.0	4.00	0.009	III	64.7(104.1)
DMG	34.9670	118.9500	07/30/1952	11 255.0	0.0	4.10	0.010	III	64.7(104.1)
DMG	33.7330	117.4670	10/26/1954	162226.0	0.0	4.10	0.010	III	65.1(104.7)
DMG	34.1830	119.6460	06/29/1968	63320.9	8.4	4.00	0.009	III	65.1(104.7)
DMG	34.9500	119.0170	11/11/1952	181225.0	0.0	4.10	0.010	III	65.2(104.9)
DMG	34.9330	119.0670	02/10/1954	235838.0	0.0	4.50	0.012	III	65.5(105.4)
DMG	34.8410	119.2400	01/11/1958	23 847.4	10.8	4.00	0.009	III	65.7(105.8)
DMG	34.9220	119.1030	01/09/1963	6 4 3.8	8.7	4.00	0.009	III	65.8(105.9)
DMG	34.9670	119.0000	09/02/1952	204556.0	0.0	4.70	0.013	III	65.8(106.0)
DMG	34.2500	119.6540	06/29/1968	153242.8	14.6	4.10	0.010	III	66.0(106.3)
DMG	33.8330	117.4000	06/05/1940	82727.0	0.0	4.00	0.009	III	66.3(106.7)
DMG	34.9830	118.9830	05/23/1954	235243.0	0.0	5.10	0.016	IV	66.4(106.9)
DMG	35.0630	118.4230	08/26/1952	205640.6	-0.8	4.40	0.011	III	66.5(107.0)
DMG	33.9330	117.3670	10/24/1943	02921.0	0.0	4.00	0.009	III	66.5(107.1)
DMG	34.0330	117.3500	04/18/1940	184343.9	0.0	4.40	0.011	III	66.6(107.2)
DMG	35.0670	118.6170	07/23/1952	235136.0	0.0	4.00	0.009	III	66.9(107.6)
DMG	34.1180	117.3410	09/22/1951	82239.1	11.9	4.30	0.011	III	66.9(107.7)
DMG	34.1400	117.3390	02/26/1936	93327.6	10.0	4.00	0.009	III	67.1(107.9)
DMG	35.0330	118.8500	10/07/1953	145921.0	0.0	4.90	0.014	IV	67.1(107.9)
DMG	34.1270	117.3380	02/23/1936	222042.7	10.0	4.50	0.012	III	67.1(108.0)
GSP	34.1680	117.3370	06/28/1997	214525.1	9.0	4.20	0.010	III	67.3(108.3)
DMG	34.9830	119.0330	07/21/1952	235328.0	0.0	4.50	0.012	III	67.6(108.9)
DMG	34.2120	119.6910	06/26/1968	181111.2	13.9	4.00	0.009	III	67.8(109.1)
DMG	35.0830	118.5830	08/04/1952	535 0.0	0.0	4.00	0.009	III	67.8(109.1)
DMG	35.0830	118.5830	07/22/1952	81624.0	0.0	4.40	0.011	III	67.8(109.1)
DMG	35.0000	119.0000	07/21/1952	1228 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1239 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	132512.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1542 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	01/25/1919	2229 0.0	0.0	4.00	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1218 0.0	0.0	4.40	0.011	III	67.9(109.3)
DMG	35.0000	119.0000	07/22/1952	133143.0	0.0	4.80	0.014	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1536 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1442 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/22/1952	191024.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1212 0.0	0.0	4.60	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/25/1952	0 3 0.0	0.0	4.00	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	02/16/1919	1557 0.0	0.0	5.00	0.015	IV	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1336 0.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	03/13/1929	228 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1210 0.0	0.0	4.50	0.012	III	67.9(109.3)

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EARTHQUAKE SEARCH RESULTS  
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Page 12

FILE	LAT.	LONG.	DATE	TIME	DEPTH	QUAKE	SITE	SITE	APPROX.
CODE	NORTH	WEST		(UTC) H M Sec	(km)	MAG.	ACC.	MM INT.	DISTANCE mi [km]
DMG	35.0000	119.0000	07/22/1952	175236.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	18 0 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	14 6 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1225 0.0	0.0	4.70	0.013	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1222 0.0	0.0	4.90	0.014	IV	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1417 0.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1451 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	08/10/1952	194424.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1638 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	12 6 0.0	0.0	4.80	0.014	III	67.9(109.3)
DMG	35.0000	119.0000	07/23/1952	043 8.0	0.0	4.40	0.011	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1317 0.0	0.0	4.00	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1313 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1311 0.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/22/1952	82122.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1259 0.0	0.0	4.20	0.010	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1415 0.0	0.0	4.40	0.011	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	12 7 0.0	0.0	4.70	0.013	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1240 0.0	0.0	4.90	0.014	IV	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	12 531.0	0.0	6.40	0.031	V	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1359 0.0	0.0	4.60	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1553 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	1617 0.0	0.0	4.10	0.009	III	67.9(109.3)
DMG	35.0000	119.0000	07/21/1952	13 8 0.0	0.0	4.50	0.012	III	67.9(109.3)
DMG	34.1180	119.7020	07/05/1968	04517.2	5.9	5.20	0.017	IV	68.1(109.5)
DMG	35.0670	118.7670	07/22/1952	21 211.0	0.0	4.20	0.010	III	68.2(109.7)
T-A	34.1700	117.3200	12/02/1859	2210 0.0	0.0	4.30	0.010	III	68.2(109.8)
DMG	35.0330	118.9170	07/23/1952	211658.0	0.0	4.10	0.009	III	68.3(109.8)
DMG	35.0000	119.0170	01/12/1954	233349.0	0.0	5.90	0.024	V	68.3(109.9)
DMG	35.0000	119.0170	07/21/1952	115214.0	0.0	7.70	0.062	VI	68.3(109.9)
DMG	35.0000	119.0170	05/25/1953	324 1.0	0.0	4.80	0.013	III	68.3(109.9)
DMG	33.2910	119.1930	10/24/1969	82912.1	10.0	5.10	0.016	IV	68.3(110.0)
DMG	34.0330	117.3170	09/03/1935	647 0.0	0.0	4.50	0.011	III	68.5(110.2)
PAS	35.0950	118.5190	06/22/1981	45747.3	5.0	4.00	0.009	III	68.5(110.3)
DMG	34.2530	119.6980	06/29/1968	191221.3	9.5	4.20	0.010	III	68.6(110.3)
DMG	35.0330	118.9330	07/22/1952	223133.0	0.0	4.70	0.013	III	68.6(110.4)
DMG	35.0170	118.9830	08/17/1952	9 9 7.0	0.0	4.10	0.009	III	68.6(110.4)
DMG	35.0000	119.0330	07/21/1952	1158 0.0	0.0	4.60	0.012	III	68.7(110.6)
DMG	35.0000	119.0330	07/21/1952	1155 0.0	0.0	4.50	0.011	III	68.7(110.6)
DMG	35.0000	119.0330	07/21/1952	1157 0.0	0.0	4.50	0.011	III	68.7(110.6)
DMG	35.0000	119.0330	07/21/1952	1159 0.0	0.0	4.50	0.011	III	68.7(110.6)
DMG	35.0000	119.0330	07/21/1952	12 2 0.0	0.0	5.60	0.020	IV	68.7(110.6)
DMG	35.0000	119.0330	07/21/1952	1154 0.0	0.0	4.50	0.011	III	68.7(110.6)
DMG	35.0830	118.7500	07/26/1952	18 244.0	0.0	4.00	0.009	III	69.0(111.1)
DMG	35.0830	118.7500	07/22/1952	84734.0	0.0	4.70	0.013	III	69.0(111.1)
DMG	35.0830	118.7500	07/26/1952	15 831.0	0.0	4.40	0.011	III	69.0(111.1)
DMG	35.0500	118.9000	09/25/1952	162136.0	0.0	4.10	0.009	III	69.1(111.1)
DMG	35.0000	119.0500	09/12/1952	103525.0	0.0	4.50	0.011	III	69.1(111.2)
DMG	35.1000	118.6170	09/26/1952	202120.0	0.0	4.00	0.009	III	69.1(111.3)
MGI	34.1000	117.3000	12/27/1901	11 0 0.0	0.0	4.60	0.012	III	69.3(111.5)
MGI	34.1000	117.3000	07/15/1905	2041 0.0	0.0	5.30	0.017	IV	69.3(111.5)
MGI	34.1000	117.3000	11/22/1911	257 0.0	0.0	4.00	0.009	III	69.3(111.5)
DMG	34.1000	117.3000	02/16/1931	1327 0.0	0.0	4.00	0.009	III	69.3(111.5)

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 EARTHQUAKE SEARCH RESULTS  
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Page 13

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0720	119.7230	07/05/1968	23614.1	4.3	4.00	0.009	III	69.3(111.5)
DMG	34.3170	119.7000	10/21/1953	16 238.0	0.0	4.00	0.009	III	69.5(111.8)
DMG	33.7000	117.4000	05/13/1910	620 0.0	0.0	5.00	0.015	IV	69.5(111.8)
DMG	33.7000	117.4000	05/15/1910	1547 0.0	0.0	6.00	0.025	V	69.5(111.8)
DMG	33.7000	117.4000	04/11/1910	757 0.0	0.0	5.00	0.015	IV	69.5(111.8)
MGI	34.2000	117.3000	04/13/1913	1045 0.0	0.0	4.00	0.009	III	69.5(111.9)
PAS	34.3470	119.6960	08/13/1978	225453.4	12.8	5.10	0.016	IV	69.7(112.2)
GSP	35.0980	118.3060	12/31/1995	214823.1	7.0	4.00	0.009	III	69.7(112.2)
DMG	35.0670	118.8830	08/17/1952	21 442.0	0.0	4.30	0.010	III	69.9(112.4)
DMG	35.0670	118.8830	08/14/1952	114146.0	0.0	4.20	0.010	III	69.9(112.4)
DMG	35.0000	119.0830	11/07/1952	85535.0	0.0	4.60	0.012	III	70.0(112.6)
DMG	35.0330	119.0000	07/22/1952	101939.0	0.0	4.10	0.009	III	70.0(112.6)
DMG	35.0500	118.9500	11/14/1952	2334 1.4	0.0	4.00	0.009	III	70.0(112.7)
DMG	35.0500	118.9500	08/17/1952	614 4.0	0.0	4.00	0.009	III	70.0(112.7)
DMG	34.1920	119.7330	07/05/1968	036 6.4	15.6	4.00	0.009	III	70.1(112.8)
DMG	35.1170	118.4810	05/01/1953	64820.9	2.4	4.10	0.009	III	70.1(112.8)
DMG	35.0170	119.0500	08/05/1953	122059.0	0.0	4.30	0.010	III	70.2(112.9)
DMG	33.4000	119.4000	07/24/1947	1654 2.0	0.0	4.30	0.010	III	70.4(113.3)
PAS	35.0000	119.1030	05/13/1975	02135.6	19.1	4.50	0.011	III	70.5(113.5)
DMG	34.0000	117.2830	11/07/1939	1852 8.4	0.0	4.70	0.012	III	70.6(113.7)
DMG	35.0670	118.9330	07/23/1952	223220.0	0.0	4.10	0.009	III	70.8(113.9)
PAS	35.0460	119.0010	06/05/1975	144645.3	9.0	4.10	0.009	III	70.8(114.0)
DMG	35.0450	119.0040	03/23/1956	212327.1	12.1	4.30	0.010	III	70.8(114.0)
MGI	34.4000	119.7000	06/24/1926	1530 0.0	0.0	4.00	0.009	III	70.9(114.0)
MGI	34.4000	119.7000	03/25/1806	8 0 0.0	0.0	5.00	0.015	IV	70.9(114.0)
MGI	34.4000	119.7000	08/09/1926	412 0.0	0.0	4.00	0.009	III	70.9(114.0)
MGI	34.4000	119.7000	08/26/1927	1240 0.0	0.0	4.00	0.009	III	70.9(114.0)
MGI	34.4000	119.7000	07/06/1926	1745 0.0	0.0	4.00	0.009	III	70.9(114.0)
DMG	35.1330	118.5170	08/14/1952	72822.0	0.0	4.10	0.009	III	71.2(114.5)
DMG	35.1330	118.5170	07/22/1952	141 2.0	0.0	4.50	0.011	III	71.2(114.5)
DMG	35.1330	118.5170	07/23/1952	152524.0	0.0	4.00	0.009	III	71.2(114.5)
DMG	35.1330	118.5170	07/28/1952	54554.0	0.0	4.20	0.010	III	71.2(114.5)
DMG	35.0330	119.0500	08/18/1952	44010.0	0.0	4.70	0.012	III	71.2(114.5)
DMG	35.0330	119.0500	08/07/1952	163151.0	0.0	4.90	0.014	III	71.2(114.5)
DMG	35.0330	119.0500	07/27/1952	71611.0	0.0	4.10	0.009	III	71.2(114.5)
DMG	34.1760	119.7540	07/07/1968	143330.8	12.8	4.50	0.011	III	71.2(114.6)
DMG	33.9960	117.2700	02/17/1952	123658.3	16.0	4.50	0.011	III	71.4(114.9)
T-A	34.5000	119.6700	06/01/1893	12 0 0.0	0.0	5.00	0.014	IV	71.5(115.1)
T-A	34.5000	119.6700	02/09/1902	15 0 0.0	0.0	4.30	0.010	III	71.5(115.1)
T-A	34.5000	119.6700	07/09/1885	0 0 0.0	0.0	4.30	0.010	III	71.5(115.1)
T-A	34.5000	119.6700	06/25/1855	22 0 0.0	0.0	4.30	0.010	III	71.5(115.1)
T-A	34.5000	119.6700	03/14/1857	23 0 0.0	0.0	4.30	0.010	III	71.5(115.1)
T-A	34.5000	119.6700	05/31/1854	1250 0.0	0.0	4.30	0.010	III	71.5(115.1)
DMG	35.0670	118.9830	08/04/1952	194750.0	0.0	4.00	0.008	III	71.8(115.5)
DMG	35.1330	118.7000	09/02/1952	124132.0	0.0	4.60	0.012	III	72.0(115.8)
T-A	34.0800	117.2500	10/07/1869	0 0 0.0	0.0	4.30	0.010	III	72.1(116.1)
DMG	34.4900	119.6910	09/16/1962	181235.2	13.3	4.00	0.008	III	72.4(116.5)
DMG	35.0330	119.1000	01/13/1954	14531.0	0.0	4.40	0.010	III	72.4(116.6)
DMG	35.0330	119.1000	02/07/1954	0 953.0	0.0	4.40	0.010	III	72.4(116.6)
DMG	35.0330	119.1000	09/02/1953	152756.0	0.0	4.00	0.008	III	72.4(116.6)
DMG	35.0330	119.1000	01/12/1954	234037.0	0.0	4.10	0.009	III	72.4(116.6)
DMG	34.0000	117.2500	07/23/1923	73026.0	0.0	6.25	0.028	V	72.5(116.7)
DMG	34.0000	117.2500	11/01/1932	445 0.0	0.0	4.00	0.008	III	72.5(116.7)

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EARTHQUAKE SEARCH RESULTS  
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Page 14

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	ACC. g	SITE MM INT.	SITE	APPROX. DISTANCE mi [km]
DMG	35.1330	118.7670	07/21/1952	194122.0	0.0	5.50	0.019	IV		72.6(116.9)
DMG	35.1330	118.7670	07/25/1952	143442.0	0.0	4.40	0.010	III		72.6(116.9)
PAS	35.0180	119.1410	11/10/1981	223435.5	3.1	4.50	0.011	III		72.6(116.9)
PAS	34.0230	117.2450	10/02/1985	234412.4	15.2	4.80	0.013	III		72.6(116.9)
DMG	35.1500	118.6330	01/27/1954	141948.0	0.0	5.00	0.014	IV		72.7(116.9)
DMG	35.0670	119.0330	07/23/1952	175329.0	0.0	4.10	0.009	III		72.9(117.3)
DMG	35.0670	119.0330	07/27/1952	113438.0	0.0	4.10	0.009	III		72.9(117.3)
DMG	34.3250	119.7610	08/09/1956	0 849.2	4.0	4.00	0.008	III		73.0(117.4)
DMG	35.1500	118.6330	08/13/1952	173925.0	0.0	4.70	0.012	III		73.0(117.4)
MGI	34.5000	119.7000	08/26/1919	1212 0.0	0.0	4.00	0.008	III		73.1(117.7)
MGI	34.5000	119.7000	07/29/1925	14 0 0.0	0.0	4.00	0.008	III		73.1(117.7)
MGI	34.5000	119.7000	08/26/1919	1457 0.0	0.0	4.00	0.008	III		73.1(117.7)
DMG	35.0660	119.0490	01/24/1974	5 2 0.8	6.4	4.30	0.010	III		73.2(119.8)
PAS	35.0120	119.1790	11/10/1981	2237 5.0	9.4	4.20	0.009	III		73.4(118.1)
GSP	34.0240	117.2300	03/11/1998	121851.8	14.0	4.50	0.011	III		73.5(118.3)
DMG	34.0430	117.2280	04/03/1939	25044.7	10.0	4.00	0.008	III		73.5(118.3)
PAS	35.0350	119.1370	06/16/1978	42131.6	1.8	4.30	0.010	III		73.6(118.4)
DMG	35.1000	118.9670	08/25/1952	62026.0	0.0	4.70	0.012	III		73.6(118.4)
DMG	34.3500	119.7670	11/10/1940	102510.0	0.0	4.00	0.008	III		73.7(118.6)
DMG	35.0670	119.0670	02/24/1954	223022.0	0.0	4.50	0.011	III		73.7(118.6)
DMG	34.2000	119.8000	12/21/1812	19 0 0.0	0.0	7.00	0.040	V		73.9(119.0)
DMG	35.1000	119.0000	07/24/1952	311 7.0	0.0	4.10	0.009	III		74.3(119.5)
DMG	35.1000	119.0000	07/22/1952	14 511.0	0.0	4.30	0.010	III		74.3(119.5)
DMG	35.0500	119.1330	05/23/1953	75255.0	0.0	4.20	0.009	III		74.4(119.7)
DMG	35.0500	119.1330	08/06/1953	1120 4.0	0.0	4.40	0.010	III		74.4(119.7)
DMG	33.0380	118.7340	09/13/1937	221439.5	10.0	4.00	0.008	III		74.6(120.0)
DMG	35.1830	118.6000	07/26/1952	63850.0	0.0	4.00	0.008	III		74.8(120.3)
DMG	35.1830	118.6000	07/29/1952	154950.0	0.0	4.90	0.013	III		74.8(120.3)
DMG	35.1830	118.6000	07/26/1952	2241 3.0	0.0	4.60	0.011	III		74.8(120.3)
MGI	34.3000	119.8000	07/03/1925	1821 0.0	0.0	5.30	0.016	IV		74.8(120.4)
DMG	34.3000	119.8000	06/29/1925	144216.0	0.0	6.25	0.027	V		74.8(120.4)
MGI	34.3000	119.8000	07/03/1925	1638 0.0	0.0	5.30	0.016	IV		74.8(120.4)
MGI	34.1000	117.2000	04/23/1923	2113 0.0	0.0	4.00	0.008	III		75.0(120.7)
DMG	35.1830	118.6500	07/21/1952	151358.0	0.0	5.10	0.015	IV		75.0(120.7)
DMG	35.0500	119.1670	12/14/1950	135623.0	0.0	4.40	0.010	III		75.3(121.2)
DMG	35.1940	118.4650	07/22/1952	19 858.2	3.7	4.30	0.010	III		75.4(121.4)
DMG	34.4710	119.7570	11/16/1958	934 6.1	15.2	4.00	0.008	III		75.5(121.4)
DMG	35.1990	118.5310	09/01/1961	165148.9	4.5	4.00	0.008	III		75.7(121.9)
DMG	35.2000	118.6330	07/22/1952	321 5.0	0.0	4.40	0.010	III		76.1(122.5)
DMG	35.1000	119.0830	12/06/1934	743 0.0	0.0	4.00	0.008	III		76.1(122.5)
DMG	35.1000	119.0830	07/24/1946	019 8.0	0.0	4.00	0.008	III		76.1(122.5)
MGI	34.4000	119.8000	09/09/1929	515 0.0	0.0	4.60	0.011	III		76.3(122.9)
DMG	33.9000	117.2000	12/19/1880	0 0 0.0	0.0	6.00	0.023	IV		76.4(122.9)
PAS	34.4020	119.8020	03/10/1986	153316.3	18.0	4.10	0.009	III		76.5(123.1)
DMG	34.3330	119.8330	06/26/1933	62752.0	0.0	4.30	0.009	III		77.1(124.1)
DMG	34.3330	119.8330	06/26/1933	62542.0	0.0	4.30	0.009	III		77.1(124.1)
DMG	35.0500	119.2330	08/19/1952	191226.0	0.0	4.50	0.010	III		77.2(124.3)
DMG	35.2170	118.6670	09/14/1952	204324.0	0.0	4.10	0.008	III		77.5(124.7)
DMG	35.2290	118.5130	06/28/1957	1132 0.8	1.6	4.10	0.008	III		77.8(125.2)
T-A	34.4200	119.8200	00/00/1862	0 0 0.0	0.0	5.70	0.020	IV		77.8(125.2)
DMG	35.2330	118.5330	07/22/1952	15 314.0	0.0	4.20	0.009	III		78.1(125.6)
DMG	35.2330	118.5330	07/24/1952	1735 6.0	0.0	4.20	0.009	III		78.1(125.6)
DMG	35.2330	118.5330	07/30/1952	144650.0	0.0	4.10	0.008	III		78.1(125.6)

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EARTHQUAKE SEARCH RESULTS  
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Page 15

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.2330	118.5330	03/17/1953	161517.0	0.0	4.00	0.008	III	78.1(125.6)
DMG	35.2330	118.5330	07/29/1952	173643.0	0.0	4.40	0.010	III	78.1(125.6)
DMG	35.2330	118.5330	07/21/1952	174244.0	0.0	5.10	0.014	IV	78.1(125.6)
DMG	35.2330	118.6000	07/22/1952	91025.0	0.0	4.50	0.010	III	78.2(125.9)
DMG	35.2330	118.6000	01/10/1953	221738.0	0.0	4.00	0.008	III	78.2(125.9)
DMG	35.2350	118.5480	03/03/1973	181449.5	8.0	4.00	0.008	III	78.2(125.9)
DMG	35.2390	118.5180	07/21/1952	2021 5.1	-2.0	4.20	0.009	III	78.5(126.3)
DMG	35.1500	119.0500	11/11/1952	1722 8.0	0.0	4.20	0.009	III	78.5(126.4)
DMG	35.2410	118.5600	07/21/1952	1912 7.4	5.8	4.30	0.009	III	78.7(126.6)
DMG	35.2170	118.8170	12/15/1953	124436.0	0.0	4.60	0.011	III	78.9(126.9)
DMG	35.2170	118.8170	07/23/1952	1317 5.0	0.0	5.70	0.019	IV	78.9(126.9)
DMG	33.2670	119.4500	11/18/1947	2159 3.0	0.0	5.00	0.013	III	79.0(127.1)
DMG	35.0830	119.2330	03/03/1956	62412.0	0.0	4.20	0.009	III	79.2(127.4)
DMG	35.2500	118.4830	07/23/1952	1330 4.0	0.0	4.40	0.010	III	79.2(127.5)
DMG	35.2500	118.4830	07/23/1952	93842.0	0.0	4.20	0.009	III	79.2(127.5)
GSP	32.9750	118.7910	03/04/1992	190627.0	6.0	4.20	0.009	III	79.5(127.9)
GSP	35.1490	119.1040	05/28/1993	044740.6	21.0	5.20	0.015	IV	79.7(128.3)
DMG	33.7380	117.1870	04/27/1962	91232.1	5.7	4.10	0.008	III	79.9(128.7)
DMG	35.2670	118.4500	07/21/1952	191619.0	0.0	4.30	0.009	III	80.5(129.5)
GSP	35.2100	118.0660	07/11/1992	181416.2	10.0	5.70	0.019	IV	80.5(129.6)
PAS	33.0330	117.9440	02/22/1983	21830.4	10.0	4.30	0.009	III	80.7(129.9)
DMG	34.2000	117.1000	09/20/1907	154 0.0	0.0	6.00	0.022	IV	80.9(130.2)
GSP	34.1920	117.0950	04/06/1994	190104.1	7.0	4.80	0.012	III	81.2(130.6)
DMG	35.2830	118.5500	07/31/1952	41022.0	0.0	4.20	0.009	III	81.5(131.2)
DMG	35.2830	118.5500	07/22/1952	15151.0	0.0	4.40	0.009	III	81.5(131.2)
DMG	35.2830	118.5500	07/23/1952	34928.0	0.0	4.70	0.011	III	81.5(131.2)
DMG	35.2830	118.5500	08/01/1952	31611.6	0.0	4.50	0.010	III	81.5(131.2)
DMG	35.2830	118.5500	07/23/1952	737 0.0	0.0	4.80	0.012	III	81.5(131.2)
DMG	35.2830	118.5500	07/26/1952	922 6.0	0.0	4.30	0.009	III	81.5(131.2)
DMG	35.2830	118.5830	07/31/1952	1719 8.0	0.0	4.50	0.010	III	81.6(131.3)
DMG	35.1840	119.0990	07/01/1959	234923.4	9.0	4.70	0.011	III	81.8(131.6)
DMG	35.2890	118.4600	07/26/1952	1 221.3	10.8	4.20	0.009	III	82.0(131.9)
DMG	35.2900	118.4700	07/24/1952	12 757.6	14.1	4.10	0.008	III	82.0(132.0)
DMG	35.2890	118.4110	08/10/1952	122318.0	4.0	4.60	0.010	III	82.1(132.2)
DMG	35.2940	118.4010	08/13/1952	42940.6	14.5	4.60	0.010	III	82.5(132.8)
DMG	35.3000	118.5000	02/19/1953	812 6.0	0.0	4.40	0.009	III	82.7(133.1)
DMG	35.3000	118.5330	07/30/1952	95929.0	0.0	4.00	0.008	II	82.7(133.1)
DMG	35.3000	118.5330	07/21/1952	182628.0	0.0	4.10	0.008	III	82.7(133.1)
DMG	35.3000	118.5330	09/02/1952	1638 9.0	0.0	4.00	0.008	II	82.7(133.1)
DMG	35.3000	118.5330	07/21/1952	182338.0	0.0	4.50	0.010	III	82.7(133.1)
DMG	35.2990	118.4350	07/25/1952	20 6 6.1	-1.4	4.80	0.012	III	82.7(133.1)
DMG	35.3000	118.4320	07/23/1952	61045.9	14.5	4.20	0.008	III	82.8(133.3)
DMG	35.3030	118.4810	09/04/1952	18 649.1	5.8	4.40	0.009	III	82.9(133.4)
DMG	35.3030	118.4730	08/01/1952	213522.4	4.2	4.00	0.008	II	82.9(133.4)
DMG	35.3050	118.5070	08/09/1952	10 732.1	-2.0	4.20	0.008	III	83.0(133.6)
DMG	35.3000	118.6670	08/13/1952	212548.0	0.0	4.10	0.008	III	83.2(133.8)
DMG	35.3080	118.5160	07/31/1952	19 515.4	7.3	4.00	0.008	II	83.2(134.0)
DMG	35.3110	118.4990	07/25/1952	1313 8.2	2.8	5.00	0.013	III	83.4(134.3)
DMG	35.1830	119.1740	06/04/1956	83319.3	14.3	4.00	0.008	II	83.6(134.5)
DMG	35.3130	118.4890	10/20/1952	181443.6	14.0	4.30	0.009	III	83.6(134.5)
DMG	35.3140	118.5300	07/26/1952	225856.1	6.8	4.30	0.009	III	83.7(134.6)
DMG	35.3140	118.4820	08/30/1952	45559.8	5.5	4.70	0.011	III	83.7(134.6)
DMG	35.3150	118.5160	07/25/1952	194323.7	11.2	5.70	0.018	IV	83.7(134.7)

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EARTHQUAKE SEARCH RESULTS  
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Page 16

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.3160	118.5140	07/24/1952	14 525.9	5.4	4.30	0.009	III	83.8(134.8)
DMG	35.3160	118.4870	09/15/1952	44013.2	4.2	4.90	0.012	III	83.8(134.9)
DMG	34.0170	117.0500	02/19/1940	12 655.7	0.0	4.60	0.010	III	83.8(134.9)
DMG	35.3170	118.4940	07/25/1952	19 944.6	5.5	5.70	0.018	IV	83.9(135.0)
DMG	35.3200	118.5180	07/27/1952	0 915.6	6.5	4.20	0.008	III	84.1(135.3)
DMG	35.3210	118.4940	02/11/1955	194431.5	14.7	4.50	0.010	III	84.1(135.4)
DMG	35.3210	118.5400	07/24/1952	141012.2	9.5	4.00	0.008	II	84.2(135.4)
DMG	35.3000	118.8000	12/23/1905	2223 0.0	0.0	5.00	0.013	III	84.3(135.6)
DMG	35.3240	118.4860	01/20/1953	81322.8	7.2	4.00	0.007	II	84.4(135.7)
DMG	35.3300	118.5670	05/29/1968	22938.7	3.1	4.00	0.007	II	84.8(136.4)
USG	33.0170	117.8170	07/14/1986	11112.6	10.0	4.12	0.008	III	84.9(136.7)
USG	33.0170	117.8170	07/16/1986	1247 3.7	10.0	4.11	0.008	II	84.9(136.7)
DMG	35.3330	118.5330	08/01/1952	103556.0	0.0	4.00	0.007	II	85.0(136.7)
DMG	35.3330	118.5670	08/08/1952	51718.0	0.0	4.00	0.007	II	85.0(136.8)
DMG	33.1500	119.4500	06/17/1934	243 0.0	0.0	4.00	0.007	II	85.1(136.9)
DMG	33.1500	119.4500	01/05/1940	62052.0	0.0	4.00	0.007	II	85.1(136.9)
DMG	35.3330	118.6000	07/23/1952	164853.0	0.0	4.50	0.010	III	85.1(137.0)
DMG	35.3330	118.4740	09/16/1952	142454.0	0.0	4.00	0.007	II	85.1(137.0)
DMG	35.3330	118.6000	07/23/1952	161838.0	0.0	4.50	0.010	III	85.1(137.0)
DMG	35.3330	118.6000	08/10/1952	6 118.0	0.0	4.00	0.007	II	85.1(137.0)
DMG	35.3330	118.6000	07/31/1952	12 9 9.0	0.0	5.80	0.019	IV	85.1(137.0)
DMG	35.3330	118.6000	07/23/1952	172224.0	6.6	4.50	0.010	III	85.1(137.0)
DMG	35.3360	118.4720	07/23/1952	105413.5	19.7	4.10	0.008	II	85.2(137.1)
DMG	35.3370	118.5370	08/30/1952	45954.8	3.5	4.00	0.007	II	85.3(137.2)
DMG	35.3380	118.5230	08/06/1952	34624.2	12.6	4.30	0.009	III	85.3(137.3)
GSP	34.1800	117.0200	12/04/1991	081703.5	11.0	4.00	0.007	II	85.4(137.4)
DMG	35.3400	118.4730	07/24/1952	5 249.6	2.1	4.50	0.010	III	85.5(137.6)
DMG	33.7000	117.1000	06/11/1902	245 0.0	0.0	4.50	0.010	III	85.5(137.6)
PAS	32.9900	117.8490	07/13/1986	14 133.0	12.0	4.60	0.010	III	85.7(138.0)
DMG	35.3450	118.5270	07/23/1952	18 328.3	10.4	4.00	0.007	II	85.8(138.1)
DMG	35.3330	118.7330	08/05/1952	65010.0	0.0	4.40	0.009	III	85.9(138.2)
DMG	35.3460	118.4650	12/25/1952	55633.0	4.6	4.10	0.008	II	85.9(138.2)
PAS	32.9860	117.8440	10/01/1986	201218.6	6.0	4.00	0.007	II	86.1(138.6)
DMG	35.3510	118.5270	08/11/1952	132149.2	-2.0	4.40	0.009	III	86.2(138.7)
PAS	32.9710	117.8700	07/13/1986	1347 8.2	6.0	5.30	0.015	IV	86.4(139.0)
DMG	34.0000	120.0170	04/01/1945	234342.0	0.0	5.40	0.015	IV	86.4(139.1)
GSP	34.1200	116.9980	06/29/1992	144126.0	4.0	4.40	0.009	III	86.5(139.2)
DMG	35.3560	118.5380	07/19/1955	2 425.5	6.4	4.10	0.008	II	86.6(139.3)
DMG	32.8670	118.2500	02/13/1952	151337.0	0.0	4.70	0.011	III	86.6(139.4)
GSP	34.0970	116.9960	12/05/1997	170438.9	4.0	4.10	0.008	II	86.6(139.4)
DMG	34.0000	117.0000	06/30/1923	022 0.0	0.0	4.50	0.010	III	86.8(139.6)
GSP	32.9850	117.8180	06/21/1995	211736.2	6.0	4.30	0.009	III	86.9(139.8)
DMG	35.3580	118.6160	08/24/1955	17 540.9	7.2	4.00	0.007	II	86.9(139.8)
DMG	35.3600	118.4380	08/03/1952	15156.1	7.0	4.10	0.008	II	86.9(139.9)
GSP	34.0850	116.9890	06/30/1992	214900.3	3.0	4.40	0.009	III	87.1(140.1)
MGI	35.3000	119.0000	01/08/1903	030 0.0	0.0	4.60	0.010	III	87.2(140.3)
MGI	35.3000	119.0000	09/04/1908	0 0 0.0	0.0	4.60	0.010	III	87.2(140.3)
DMG	35.3670	118.5000	06/20/1953	231852.0	0.0	4.40	0.009	III	87.3(140.5)
DMG	35.3670	118.5330	07/23/1952	195134.0	0.0	4.20	0.008	III	87.3(140.5)
DMG	35.3670	118.5830	07/23/1952	62628.0	0.0	4.00	0.007	II	87.4(140.7)
DMG	35.3670	118.5830	07/23/1952	4 140.0	0.0	4.70	0.011	III	87.4(140.7)
DMG	35.3670	118.5830	07/28/1952	154120.0	0.0	4.00	0.007	II	87.4(140.7)
DMG	35.3670	118.5830	07/23/1952	03632.0	0.0	6.10	0.022	IV	87.4(140.7)

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EARTHQUAKE SEARCH RESULTS  
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Page 17

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.3670	118.5830	07/23/1952	04738.0	0.0	4.60	0.010	III	87.4(140.7)
DMG	35.3670	118.5830	07/23/1952	31923.0	0.0	5.00	0.012	III	87.4(140.7)
DMG	35.3670	118.5830	07/23/1952	65342.0	0.0	4.20	0.008	III	87.4(140.7)
DMG	35.3670	118.5830	09/16/1952	1521 8.0	0.0	4.30	0.009	III	87.4(140.7)
DMG	35.3670	118.5830	07/27/1952	73539.0	0.0	4.20	0.008	III	87.4(140.7)
DMG	34.1670	116.9830	10/16/1951	1241 5.0	0.0	4.00	0.007	II	87.5(140.8)
DMG	35.3170	118.9500	09/01/1952	1039 0.0	0.0	4.10	0.008	II	87.5(140.8)
DMG	34.3330	117.0000	02/27/1942	1 853.0	0.0	4.00	0.007	II	87.7(141.2)
GSP	32.9700	117.8100	04/04/1990	085439.3	6.0	4.00	0.007	II	88.0(141.6)
DMG	35.3330	118.9170	08/07/1952	1919 7.0	0.0	4.20	0.008	III	88.0(141.7)
DMG	35.3330	118.9170	07/29/1952	195132.0	0.0	4.50	0.009	III	88.0(141.7)
DMG	35.3330	118.9170	07/31/1952	195314.0	0.0	4.50	0.009	III	88.0(141.7)
DMG	35.3330	118.9170	08/22/1952	224124.0	0.0	5.80	0.019	IV	88.0(141.7)
PAS	34.1510	116.9720	11/20/1978	655 9.5	6.1	4.30	0.008	III	88.1(141.7)
PAS	32.9700	117.8030	07/14/1986	03246.2	10.0	4.00	0.007	II	88.2(141.9)
DMG	35.3830	118.5670	07/23/1952	546 3.0	0.0	4.70	0.010	III	88.5(142.4)
DMG	35.3830	118.6000	09/05/1953	192436.0	0.0	4.10	0.008	II	88.6(142.5)
DMG	35.3790	118.6680	11/21/1955	205527.6	5.3	4.30	0.008	III	88.6(142.6)
PAS	35.3720	118.7740	12/15/1987	182346.1	3.2	4.10	0.008	II	88.9(143.1)
DMG	34.2670	116.9670	08/29/1943	34513.0	0.0	5.50	0.016	IV	88.9(143.1)
DMG	34.2670	116.9670	08/29/1943	35754.0	0.0	4.00	0.007	II	88.9(143.1)
DMG	34.2670	116.9670	08/29/1943	51630.0	0.0	4.00	0.007	II	88.9(143.1)
PAS	34.1980	116.9590	04/01/1978	105227.4	8.0	4.00	0.007	II	89.0(143.1)
PAS	32.9450	117.8310	07/29/1986	81741.8	10.0	4.10	0.008	II	89.0(143.2)
DMG	33.8000	117.0000	12/25/1899	1225 0.0	0.0	6.40	0.025	V	89.0(143.3)
T-A	35.3300	119.0000	01/04/1870	7 0 0.0	0.0	4.30	0.008	III	89.2(143.5)
DMG	35.3670	118.8330	03/17/1935	2026 0.0	0.0	4.00	0.007	II	89.2(143.5)
DMG	32.8170	118.3500	12/26/1951	04654.0	0.0	5.90	0.020	IV	89.2(143.6)
DMG	34.1330	116.9500	06/10/1938	1440 0.0	0.0	4.00	0.007	II	89.3(143.7)
DMG	35.3950	118.6200	08/08/1955	32150.5	4.1	4.70	0.010	III	89.5(144.0)
PAS	32.9330	117.8410	07/29/1986	81741.6	10.0	4.30	0.008	III	89.5(144.0)
GSP	35.3700	118.8500	12/18/1990	165643.0	6.0	4.20	0.008	III	89.6(144.2)
PAS	32.9450	117.8060	09/07/1984	11 313.4	6.0	4.30	0.008	III	89.6(144.2)
DMG	35.4000	118.5830	07/24/1952	114756.0	0.0	4.40	0.009	III	89.7(144.3)
DMG	35.4000	118.5830	07/25/1952	7 351.0	0.0	4.10	0.008	II	89.7(144.3)
DMG	35.3670	118.8830	09/12/1953	64116.0	0.0	4.10	0.008	II	89.8(144.5)
DMG	35.4000	118.6330	10/02/1952	231021.0	0.0	4.20	0.008	III	89.9(144.6)
DMG	35.3500	118.9670	02/04/1954	204841.0	0.0	4.00	0.007	II	89.9(144.7)
DMG	33.7500	117.0000	04/21/1918	223225.0	0.0	6.80	0.031	V	89.9(144.7)
DMG	33.7500	117.0000	06/06/1918	2232 0.0	0.0	5.00	0.012	III	89.9(144.7)
DMG	34.4330	116.9830	04/18/1945	458 2.0	0.0	4.30	0.008	III	90.1(145.1)
DMG	35.3830	118.8500	07/29/1952	7 347.0	0.0	6.10	0.021	IV	90.5(145.6)
DMG	35.3830	118.8500	10/13/1952	222035.0	0.0	4.00	0.007	II	90.5(145.6)
GSP	34.1210	116.9280	08/16/1998	133440.2	6.0	4.70	0.010	III	90.5(145.7)
GSP	34.1780	116.9220	06/28/1992	170131.9	13.0	4.70	0.010	III	91.0(146.4)
GSP	34.1120	116.9200	10/01/1998	181816.0	4.0	4.70	0.010	III	91.0(146.4)
DMG	34.1800	116.9200	01/16/1930	034 3.6	0.0	5.10	0.013	III	91.1(146.6)
DMG	34.1800	116.9200	01/16/1930	02433.9	0.0	5.20	0.013	III	91.1(146.6)
DMG	35.4000	118.8170	07/29/1952	8 146.0	0.0	5.10	0.013	III	91.3(146.8)
PAS	32.9470	117.7360	01/15/1989	153955.2	6.0	4.20	0.008	II	91.4(147.1)
PAS	34.6610	119.9730	05/07/1984	193232.8	9.9	4.20	0.008	II	91.8(147.7)
DMG	34.3200	116.9250	04/18/1968	174213.4	4.7	4.00	0.007	II	91.8(147.8)
GSP	34.2560	116.9120	06/28/1992	170557.5	8.0	4.60	0.010	III	92.0(148.0)



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EARTHQUAKE SEARCH RESULTS  
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Page 18

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.4320	118.6640	09/30/1964	175125.8	7.4	4.00	0.007	II	92.2(148.4)
PAS	35.2250	117.6290	05/02/1975	18 323.1	10.0	4.20	0.008	II	92.3(148.5)
MGI	34.2000	116.9000	10/10/1915	5 6 0.0	0.0	4.00	0.007	II	92.3(148.6)
GSP	34.3620	116.9230	12/07/1992	033331.5	1.0	4.00	0.007	II	92.4(148.7)
DMG	35.4330	118.7000	05/01/1954	22 439.0	0.0	4.20	0.008	II	92.5(148.8)
PAS	34.2460	116.9010	06/29/1979	55320.5	5.7	4.60	0.010	III	92.5(148.9)
USG	32.7700	118.3340	06/16/1985	1027 0.7	5.0	4.14	0.008	II	92.6(149.0)
T-A	33.5000	117.0700	12/29/1880	7 0 0.0	0.0	4.30	0.008	III	92.6(149.0)
PAS	34.2490	116.9000	06/30/1979	7 353.0	5.6	4.50	0.009	III	92.6(149.0)
PAS	34.2430	116.8960	06/30/1979	03411.6	5.8	4.90	0.011	III	92.8(149.3)
DMG	35.4400	118.3470	01/02/1964	194841.0	6.3	4.20	0.008	II	92.8(149.4)
GSP	34.3770	116.9180	12/04/1992	052511.2	2.0	4.80	0.011	III	92.9(149.5)
DMG	34.3370	116.9090	11/30/1962	2351 5.5	7.0	4.30	0.008	III	92.9(149.5)
GSP	34.3610	116.9130	12/04/1992	125942.1	0.0	4.20	0.008	II	93.0(149.6)
MGI	34.3000	116.9000	12/01/1915	14 5 0.0	0.0	4.00	0.007	II	93.0(149.7)
DMG	34.1000	116.8830	10/24/1935	1527 0.0	0.0	4.00	0.007	II	93.1(149.8)
DMG	34.1000	116.8830	10/24/1935	1452 0.0	0.0	4.50	0.009	III	93.1(149.8)
DMG	34.1000	116.8830	10/24/1935	1451 0.0	0.0	4.50	0.009	III	93.1(149.8)
DMG	34.4000	116.9170	02/01/1942	151555.0	0.0	4.00	0.007	II	93.3(150.1)
DMG	34.4000	116.9170	02/01/1942	151828.0	0.0	4.50	0.009	III	93.3(150.1)
DMG	34.4000	116.9170	01/25/1942	215133.0	0.0	4.00	0.007	II	93.3(150.1)
DMG	34.4000	116.9170	02/01/1942	16 334.0	0.0	4.50	0.009	III	93.3(150.1)
DMG	35.4540	118.4760	11/23/1953	2039 0.9	5.9	4.40	0.009	III	93.3(150.2)
GSP	35.4530	118.4310	05/06/1997	191253.8	6.0	4.50	0.009	III	93.4(150.2)
GSP	34.3400	116.9000	11/27/1992	160057.5	1.0	5.30	0.014	III	93.4(150.4)
DMG	35.4540	118.6050	02/07/1964	22 750.3	-2.0	4.40	0.009	III	93.5(150.4)
GSP	34.3640	116.9040	11/27/1992	183225.0	1.0	4.10	0.007	II	93.5(150.5)
DMG	33.9680	116.8820	06/27/1959	162211.1	13.8	4.00	0.007	II	93.7(150.8)
GSP	34.3690	116.8970	12/04/1992	020857.5	3.0	5.30	0.014	III	94.0(151.2)
DMG	34.3240	116.8850	12/01/1962	03548.8	9.6	4.30	0.008	III	94.1(151.5)
MGI	35.2000	119.5000	12/01/1920	130 0.0	0.0	4.60	0.009	III	94.3(151.8)
DMG	35.2000	119.5000	06/09/1928	822 0.0	0.0	4.00	0.007	II	94.3(151.8)
DMG	34.3330	116.8830	10/14/1943	142844.0	0.0	4.50	0.009	III	94.3(151.8)
DMG	34.3120	116.8790	01/31/1972	155 4.2	8.0	4.00	0.007	II	94.3(151.8)
GSP	34.1950	116.8620	08/17/1992	204152.1	11.0	5.30	0.014	III	94.5(152.0)
GSP	34.1980	116.8620	08/18/1992	094640.7	12.0	4.20	0.008	II	94.5(152.0)
DMG	35.4650	118.6680	02/07/1964	221052.0	-0.5	4.20	0.008	II	94.5(152.1)
GSP	34.1410	116.8570	09/19/1997	223714.5	10.0	4.10	0.007	II	94.6(152.2)
MGI	33.8000	116.9000	04/23/1918	1415 0.0	0.0	4.00	0.007	II	94.6(152.3)
MGI	33.8000	116.9000	12/18/1920	1726 0.0	0.0	4.00	0.007	II	94.6(152.3)
MGI	33.8000	116.9000	06/14/1918	1024 0.0	0.0	4.00	0.007	II	94.6(152.3)
MGI	33.8000	116.9000	04/29/1918	2 0 0.0	0.0	4.00	0.007	II	94.6(152.3)
DMG	34.3250	116.8750	12/02/1962	04138.4	6.7	4.40	0.008	III	94.7(152.4)
DMG	35.3530	117.8260	07/03/1944	53823.5	-2.0	4.70	0.010	III	94.7(152.4)
DMG	35.3330	119.2500	01/20/1941	135816.0	0.0	4.00	0.007	II	94.7(152.5)
GSP	34.1630	116.8550	06/28/1992	144321.0	6.0	5.30	0.014	III	94.8(152.5)
DMG	33.7100	116.9250	09/23/1963	144152.6	16.5	5.00	0.012	III	94.9(152.7)
GSP	34.3700	116.8800	11/29/1992	142120.5	3.0	4.00	0.007	II	94.9(152.8)
DMG	32.7500	118.2000	06/25/1939	149 0.0	0.0	4.50	0.009	III	95.1(153.0)
PAS	35.2970	119.3460	05/06/1985	231433.0	24.4	4.40	0.008	III	95.1(153.1)
PAS	35.2700	119.4020	09/26/1980	131841.1	5.0	4.10	0.007	II	95.2(153.1)
DMG	34.3250	116.8650	10/29/1962	24253.9	8.6	4.80	0.010	III	95.3(153.3)
DMG	34.3500	116.8670	10/15/1943	1650 1.0	0.0	4.50	0.009	III	95.4(153.6)

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EARTHQUAKE SEARCH RESULTS  
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Page 19

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.7000	117.0000	07/16/1916	1230 0.0	0.0	4.00	0.007	II	95.5(153.7)
DMG	34.7000	117.0000	07/16/1916	1150 0.0	0.0	4.50	0.009	III	95.5(153.7)
GSP	34.2320	116.8460	07/10/1992	012940.0	0.0	4.20	0.008	II	95.6(153.8)
GSP	34.2250	116.8440	07/09/1992	023435.0	0.0	4.10	0.007	II	95.6(153.9)
DMG	33.9500	116.8500	09/28/1946	719 9.0	0.0	5.00	0.012	III	95.7(153.9)
PAS	35.4520	118.8990	02/08/1985	65816.9	11.1	4.60	0.009	III	95.7(154.1)
DMG	35.1060	117.3460	10/11/1966	165912.9	6.5	4.40	0.008	III	95.9(154.3)
GSP	34.3200	116.8500	10/27/1998	154017.1	4.0	4.10	0.007	II	96.0(154.6)
GSP	34.2390	116.8370	07/09/1992	014357.6	0.0	5.30	0.013	III	96.1(154.7)
DMG	33.5000	117.0000	09/08/1925	1013 0.0	0.0	4.50	0.009	III	96.2(154.8)
PDP	34.3220	116.8460	09/20/1999	070249.2	2.0	4.20	0.008	II	96.3(155.0)
GSP	34.1630	116.8270	06/28/1992	150451.5	12.0	4.40	0.008	III	96.4(155.1)
GSP	34.3230	116.8440	10/27/1998	010840.7	5.0	4.90	0.011	III	96.4(155.2)
GSN	34.2030	116.8270	06/28/1992	150530.7	5.0	6.70	0.028	V	96.5(155.3)
DMG	35.5000	118.5000	07/27/1952	24912.0	0.0	4.00	0.007	II	96.5(155.3)
PAS	33.5350	120.0490	01/12/1983	1719 0.6	5.0	4.20	0.008	II	96.5(155.3)
DMG	34.3070	116.8350	08/28/1950	194526.4	11.7	4.20	0.007	II	96.8(155.7)
DMG	35.5000	118.7000	01/06/1905	1430 0.0	0.0	5.00	0.011	III	97.1(156.2)
DMG	34.4170	116.8500	02/11/1932	231120.0	0.0	4.00	0.007	II	97.3(156.5)
DMG	32.7180	118.1720	04/28/1938	6 728.0	10.0	4.50	0.009	YII	97.6(157.0)
GSP	34.2370	116.8110	06/28/1992	125730.8	10.0	4.00	0.007	II	97.6(157.0)
GSP	35.0170	117.2030	06/29/1992	041642.6	3.0	4.00	0.007	II	97.6(157.0)
PAS	32.7560	117.9880	01/12/1975	212214.8	15.3	4.80	0.010	III	97.7(157.3)
GSP	34.1830	116.8020	06/28/1992	192637.6	1.0	4.00	0.007	II	97.8(157.5)
DMG	34.1000	116.8000	10/24/1935	1448 7.6	0.0	5.10	0.012	III	97.8(157.5)
GSP	35.1600	117.3620	06/29/1992	011813.4	4.0	4.70	0.010	III	98.0(157.6)
DMG	35.3890	117.7830	07/15/1966	10 943.0	4.7	4.00	0.007	II	98.0(157.7)
PAS	34.3220	116.8150	08/29/1985	759 8.7	6.1	4.10	0.007	II	98.0(157.8)
DMG	32.8000	117.8330	01/24/1942	214148.0	0.0	4.00	0.007	II	98.0(157.8)
DMG	33.9670	116.8000	09/07/1945	153424.0	0.0	4.30	0.008	II	98.4(158.3)
GSP	34.2980	116.8040	07/05/1992	200303.1	3.0	4.00	0.007	II	98.4(158.4)
DMG	34.4360	116.8340	07/14/1973	8 020.1	8.0	4.80	0.010	III	98.4(158.4)
DMG	34.2290	116.7950	05/11/1956	163050.5	13.3	4.70	0.010	III	98.4(158.4)
GSP	35.1610	117.3500	06/29/1992	012615.6	6.0	4.10	0.007	II	98.5(158.5)
DMG	35.3970	117.7730	11/18/1961	31836.0	11.1	4.30	0.008	II	98.7(158.9)
DMG	34.0290	116.7870	04/30/1954	03623.9	11.1	4.20	0.007	II	98.8(158.9)
DMG	34.3170	116.8000	08/12/1950	21717.0	0.0	4.30	0.008	II	98.8(159.1)
PAS	32.7590	117.9060	10/18/1976	172753.1	13.8	4.20	0.007	II	99.1(159.5)
DMG	35.4140	117.7960	07/08/1970	92530.2	8.0	4.00	0.007	II	99.2(159.7)
DMG	34.7000	120.1000	07/28/1945	23348.0	0.0	4.20	0.007	II	99.5(160.0)
DMG	34.2990	116.7840	03/18/1956	24217.3	6.3	4.40	0.008	III	99.6(160.2)
DMG	33.9760	116.7750	10/17/1965	94519.0	17.0	4.90	0.011	III	99.7(160.5)
DMG	34.0140	116.7710	06/10/1944	111150.5	10.0	4.50	0.009	III	99.7(160.5)
GSP	34.2190	116.7710	07/21/1992	211029.0	1.0	4.10	0.007	II	99.8(160.5)
DMG	35.5340	118.2640	05/28/1955	194420.0	12.3	4.50	0.009	III	99.8(160.7)
PAS	33.7010	116.8370	08/22/1979	2 136.3	5.0	4.10	0.007	II	99.9(160.7)
DMG	35.5000	118.9670	09/29/1948	4 648.0	0.0	4.20	0.007	II	99.9(160.7)
GSP	34.2730	116.7740	08/24/1992	135146.0	1.0	4.30	0.008	II	99.9(160.8)
DMG	34.2500	116.7700	03/16/1956	203344.3	0.8	4.00	0.007	II	100.0(160.9)

\*\*\*\*\*



-END OF SEARCH- 1003 EARTHQUAKES FOUND WITHIN THE SPECIFIED SEARCH AREA.

TIME PERIOD OF SEARCH: 1800 TO 1999

LENGTH OF SEARCH TIME: 200 years

THE EARTHQUAKE CLOSEST TO THE SITE IS ABOUT 7.1 MILES (11.4 km) AWAY.

LARGEST EARTHQUAKE MAGNITUDE FOUND IN THE SEARCH RADIUS: 7.7

LARGEST EARTHQUAKE SITE ACCELERATION FROM THIS SEARCH: 0.185 g

COEFFICIENTS FOR GUTENBERG & RICHTER RECURRENCE RELATION:

a-value= 3.905

b-value= 0.806

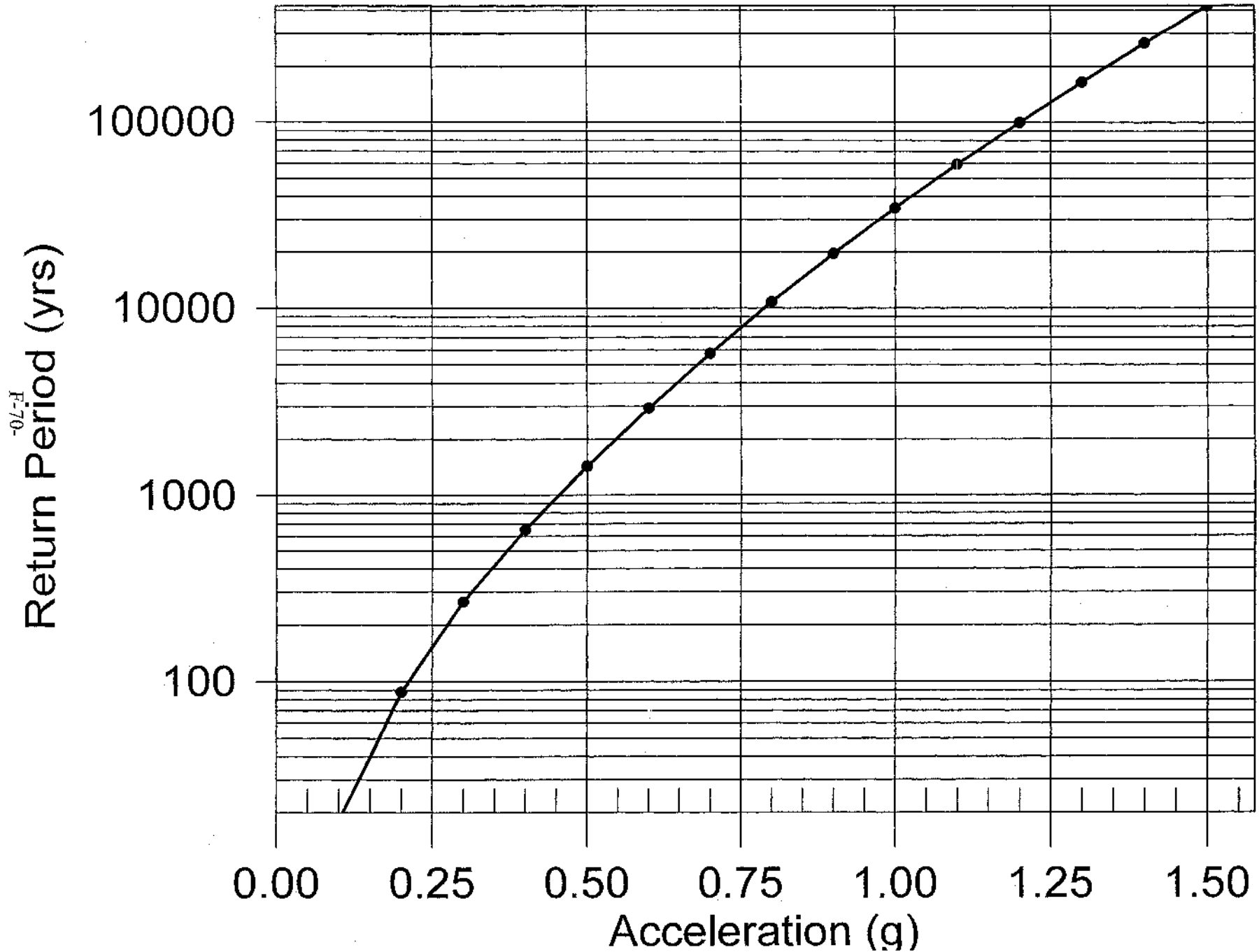
beta-value= 1.857

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TABLE OF MAGNITUDES AND EXCEEDANCES:  
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Earthquake Magnitude	Number of Times Exceeded	Cumulative No. / Year
4.0	1003	5.04020
4.5	383	1.92462
5.0	140	0.70352
5.5	53	0.26633
6.0	26	0.13065
6.5	10	0.05025
7.0	6	0.03015
7.5	1	0.00503

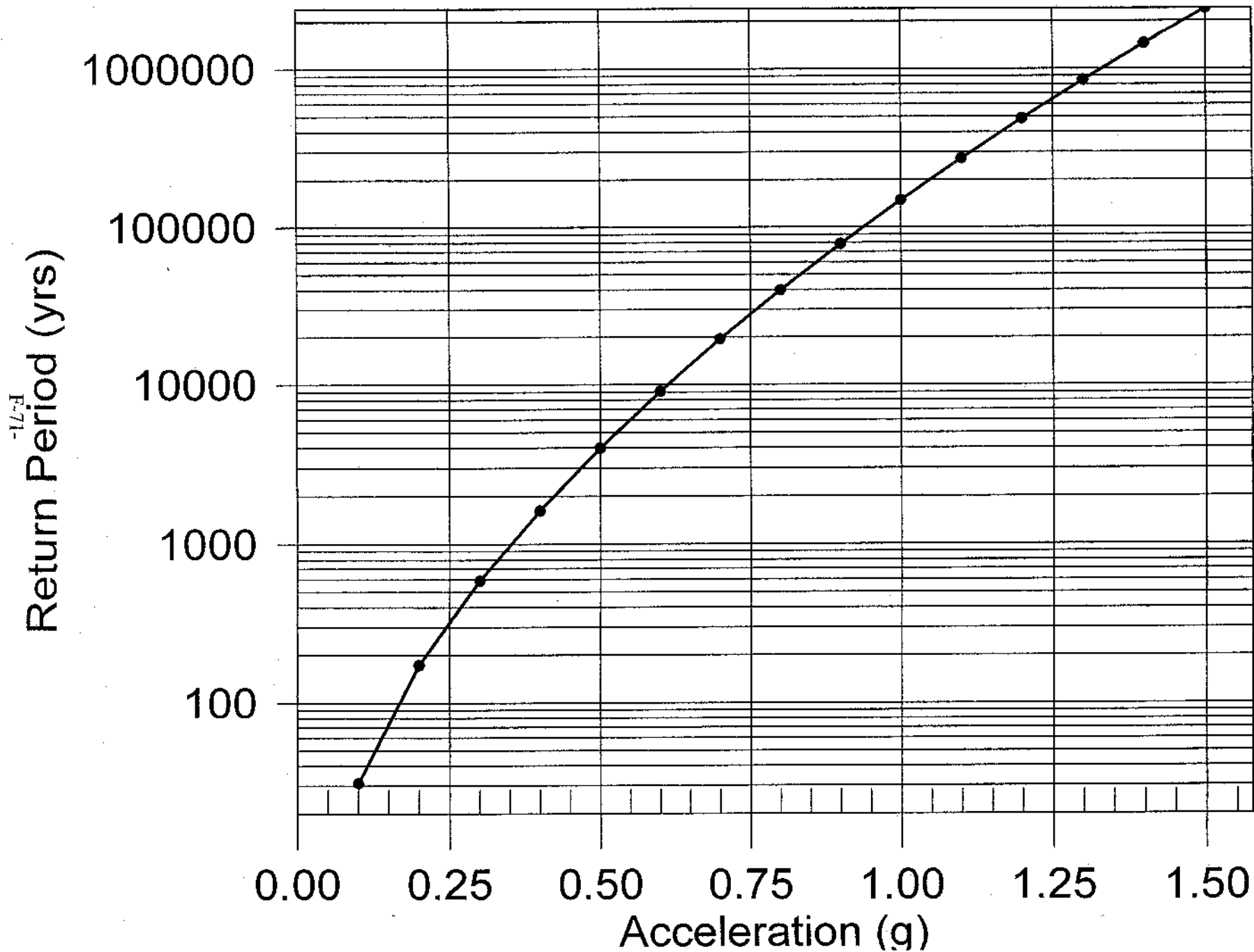
# RETURN PERIOD vs. ACCELERATION

BOORE ET AL(1997) NEHRP B(1070)1



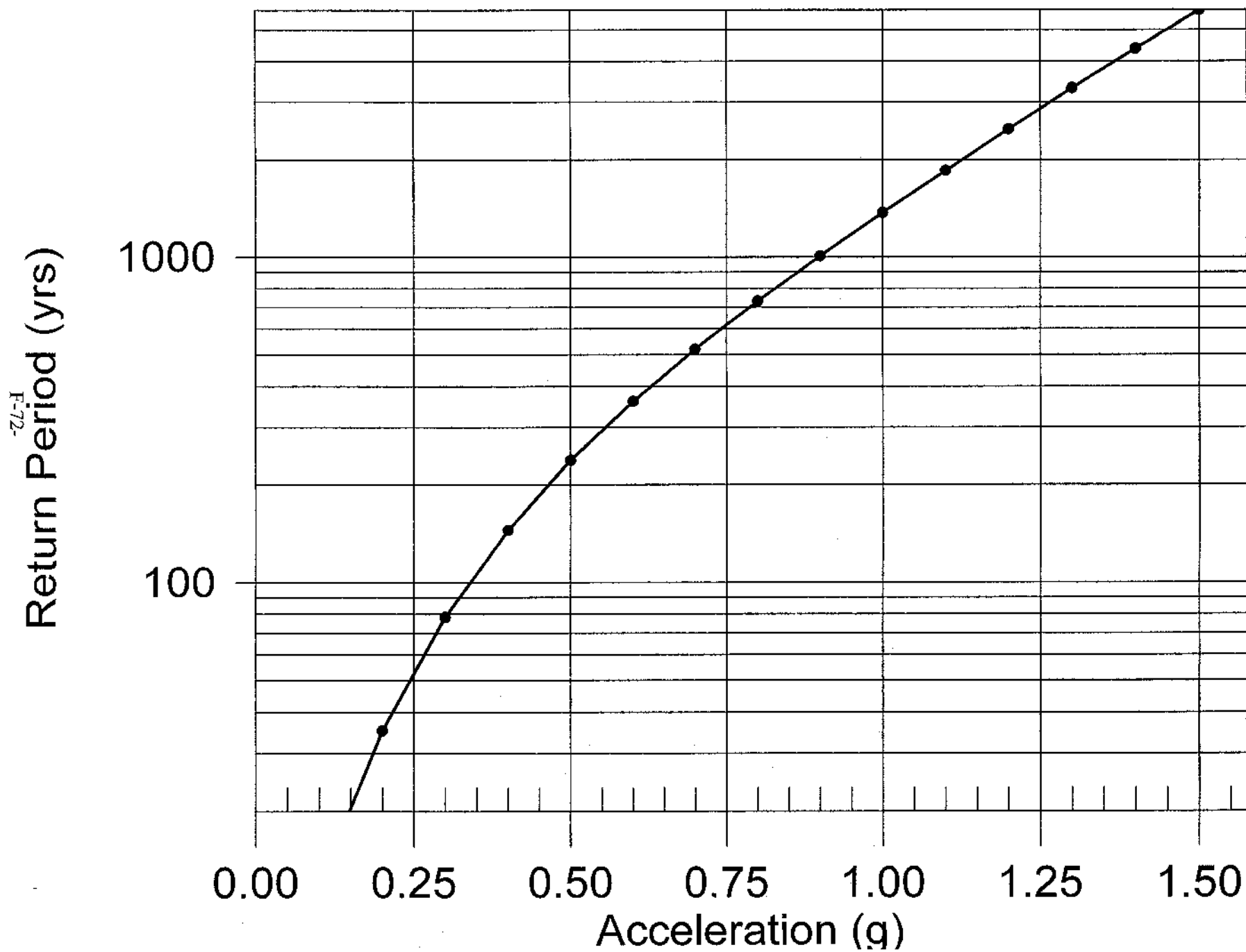
# RETURN PERIOD vs. ACCELERATION

BOORE ET AL(1997) NEHRP B(1070)2



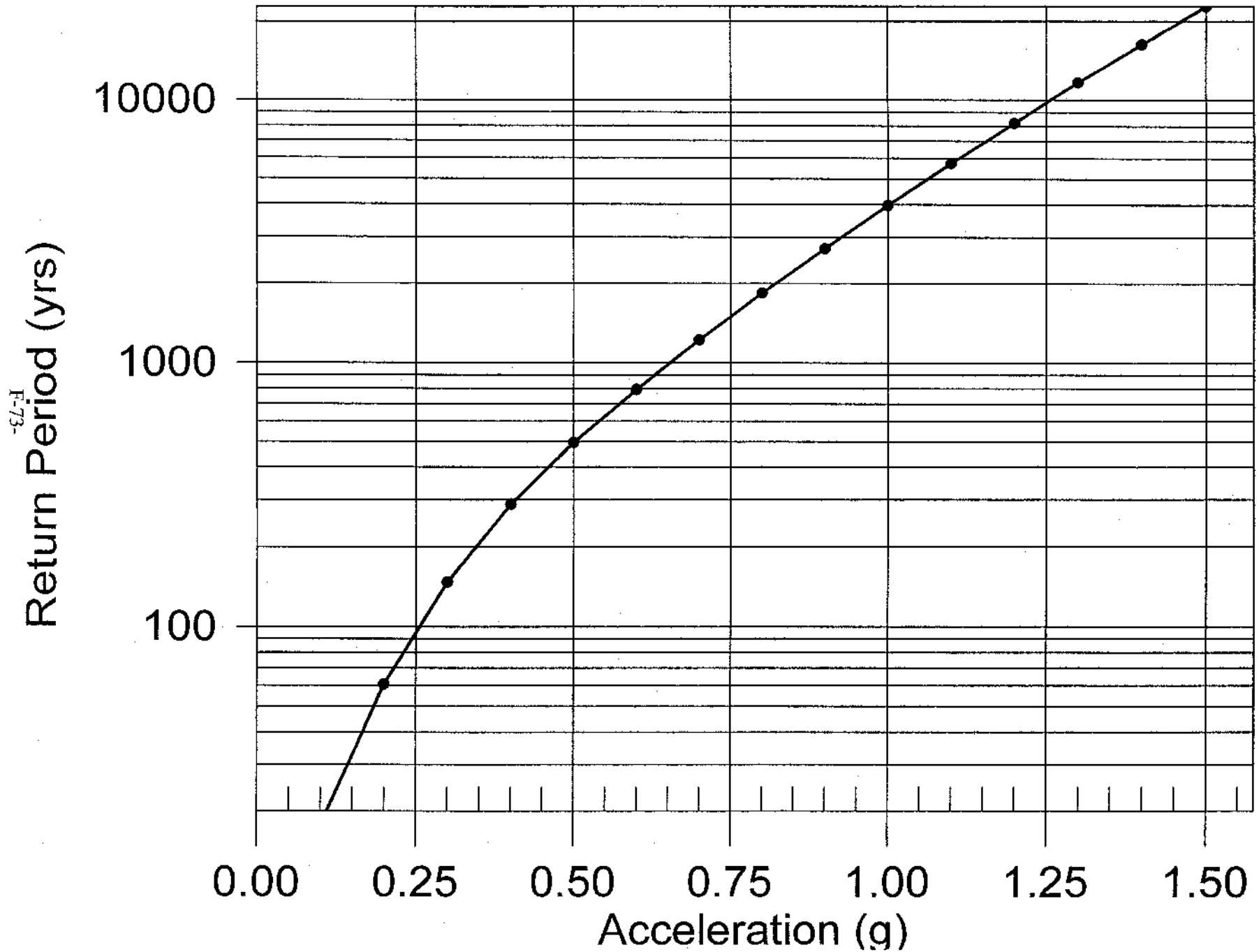
# RETURN PERIOD vs. ACCELERATION

ABRAHAMSON & SILVA (1997) ROCK 1



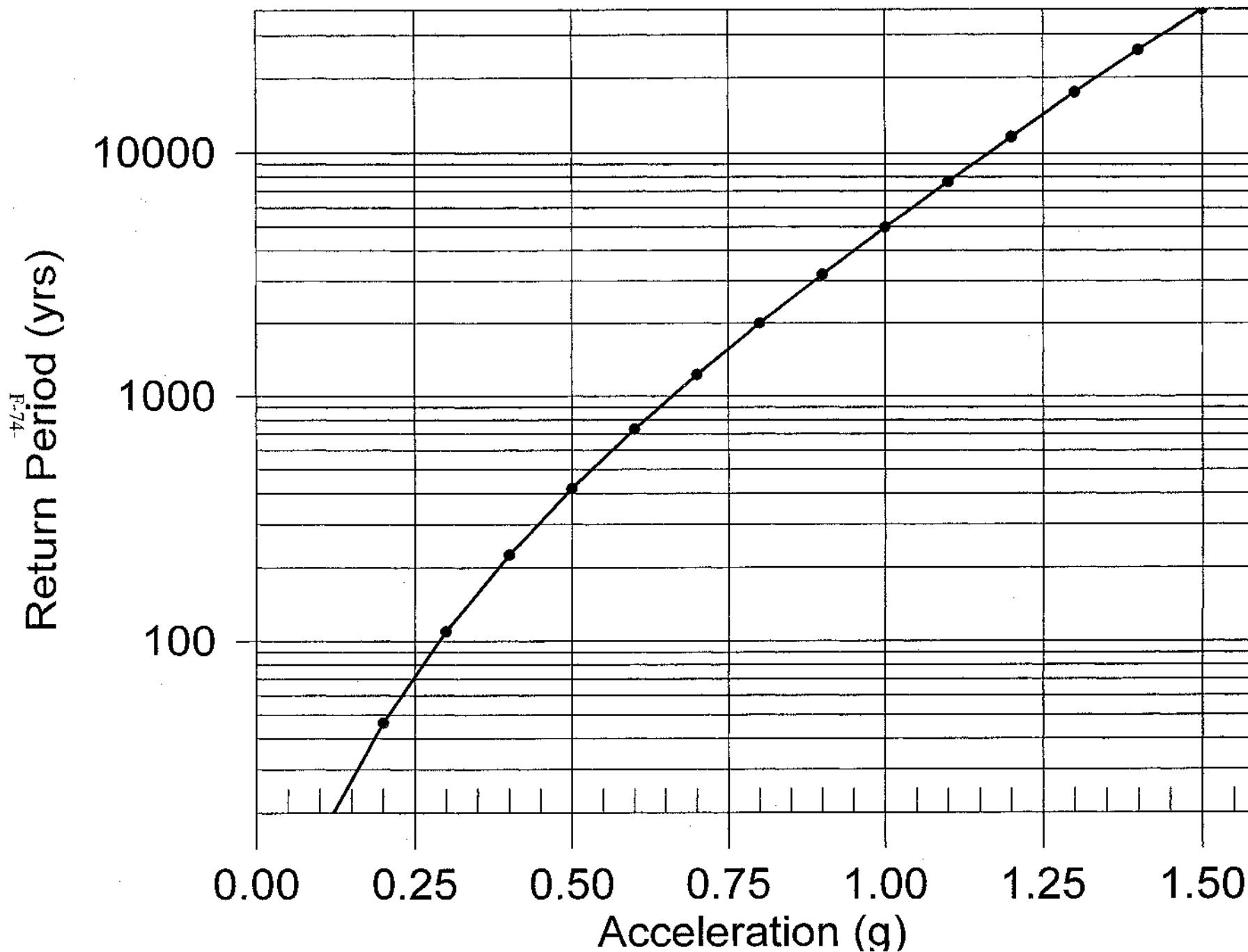
# RETURN PERIOD vs. ACCELERATION

ABRAHAMSON & SILVA (1997) ROCK 2



# RETURN PERIOD vs. ACCELERATION

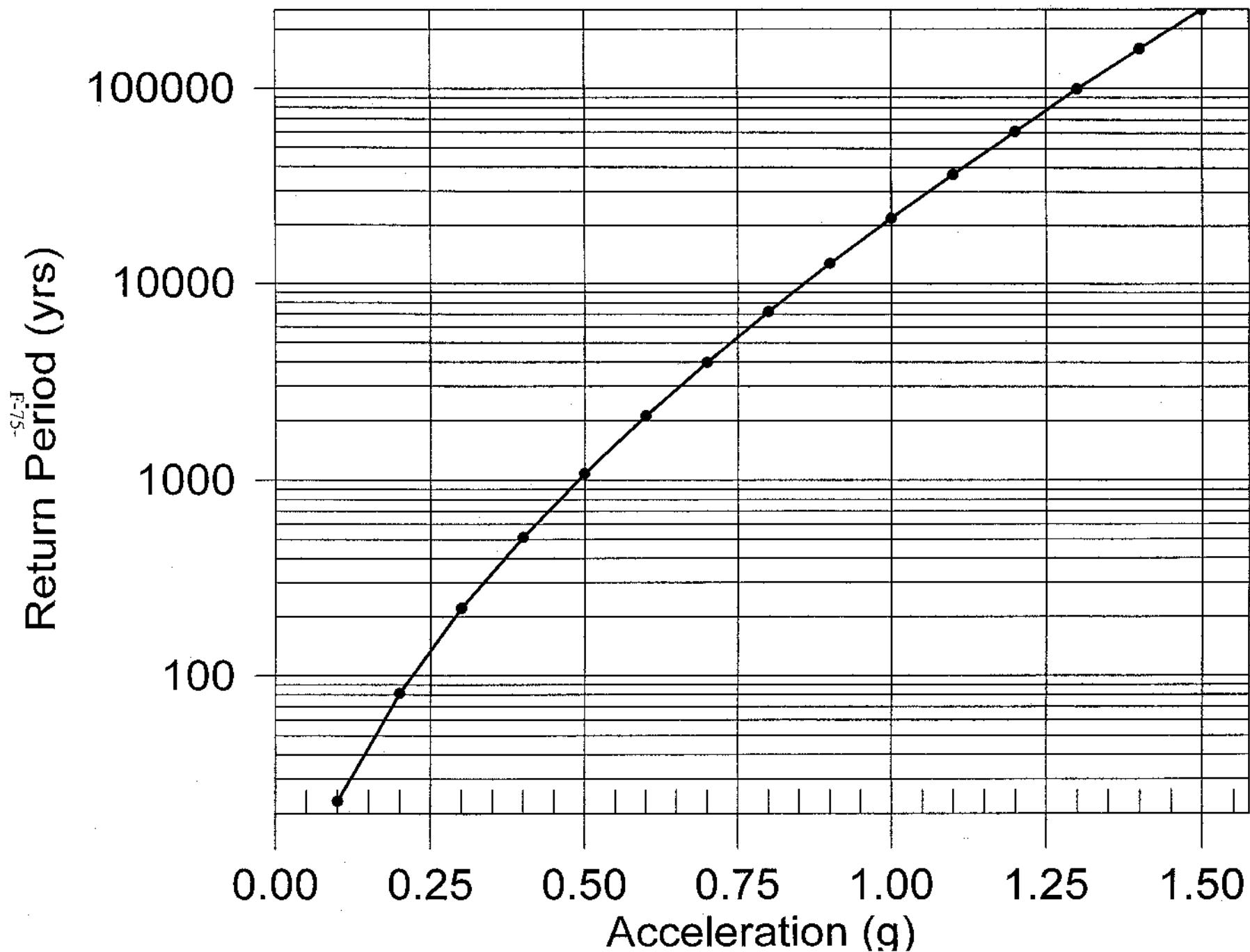
SADIGH ET AL. (1997) ROCK 1





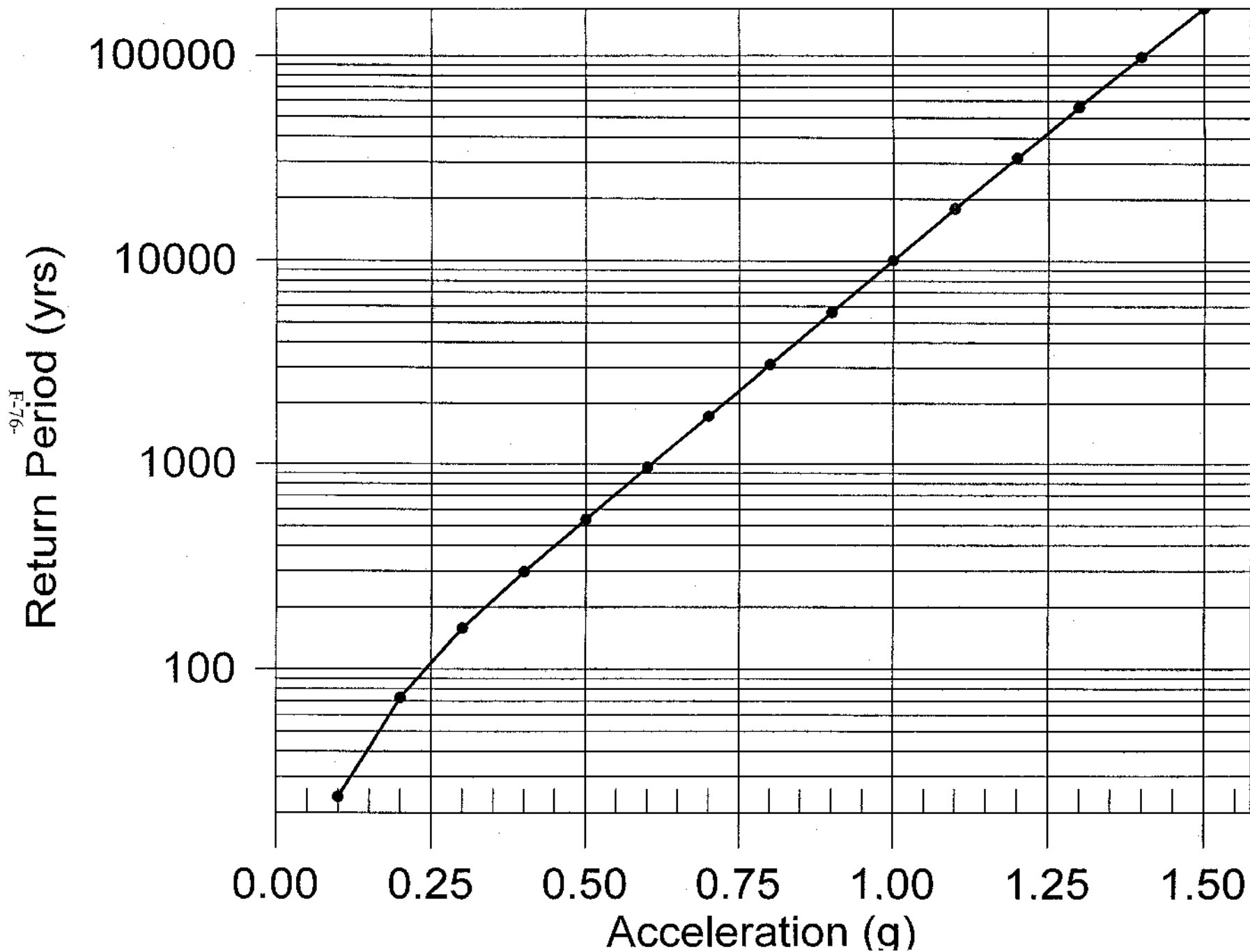
# RETURN PERIOD vs. ACCELERATION

SADIGH ET AL. (1997) ROCK 2



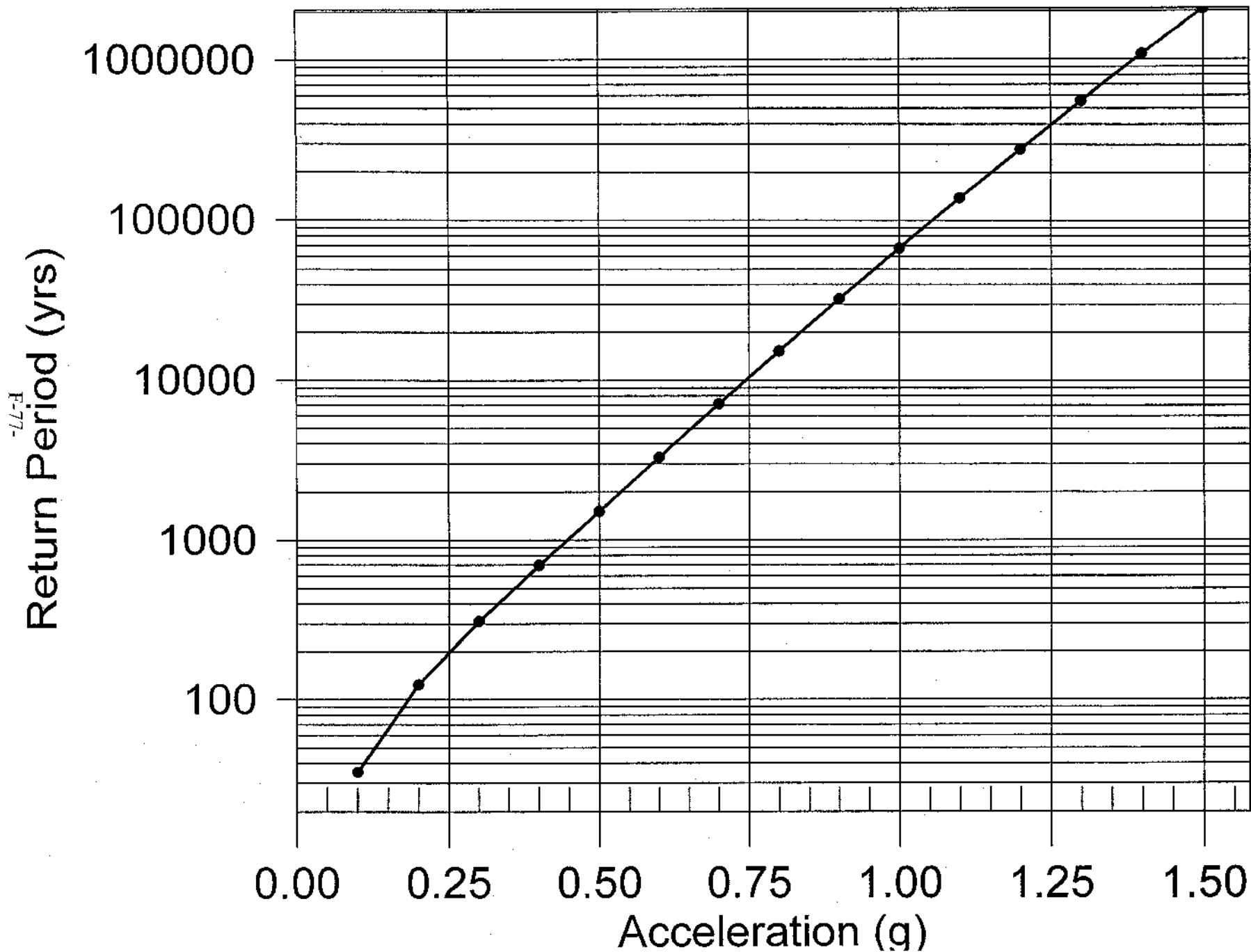
# RETURN PERIOD vs. ACCELERATION

CAMP. & BOZ. (1997 Rev.) HR 1



# RETURN PERIOD vs. ACCELERATION

CAMP. & BOZ. (1997 Rev.) HR 2



**APPENDIX G**

**CAISSON DESIGN PARAMETERS**



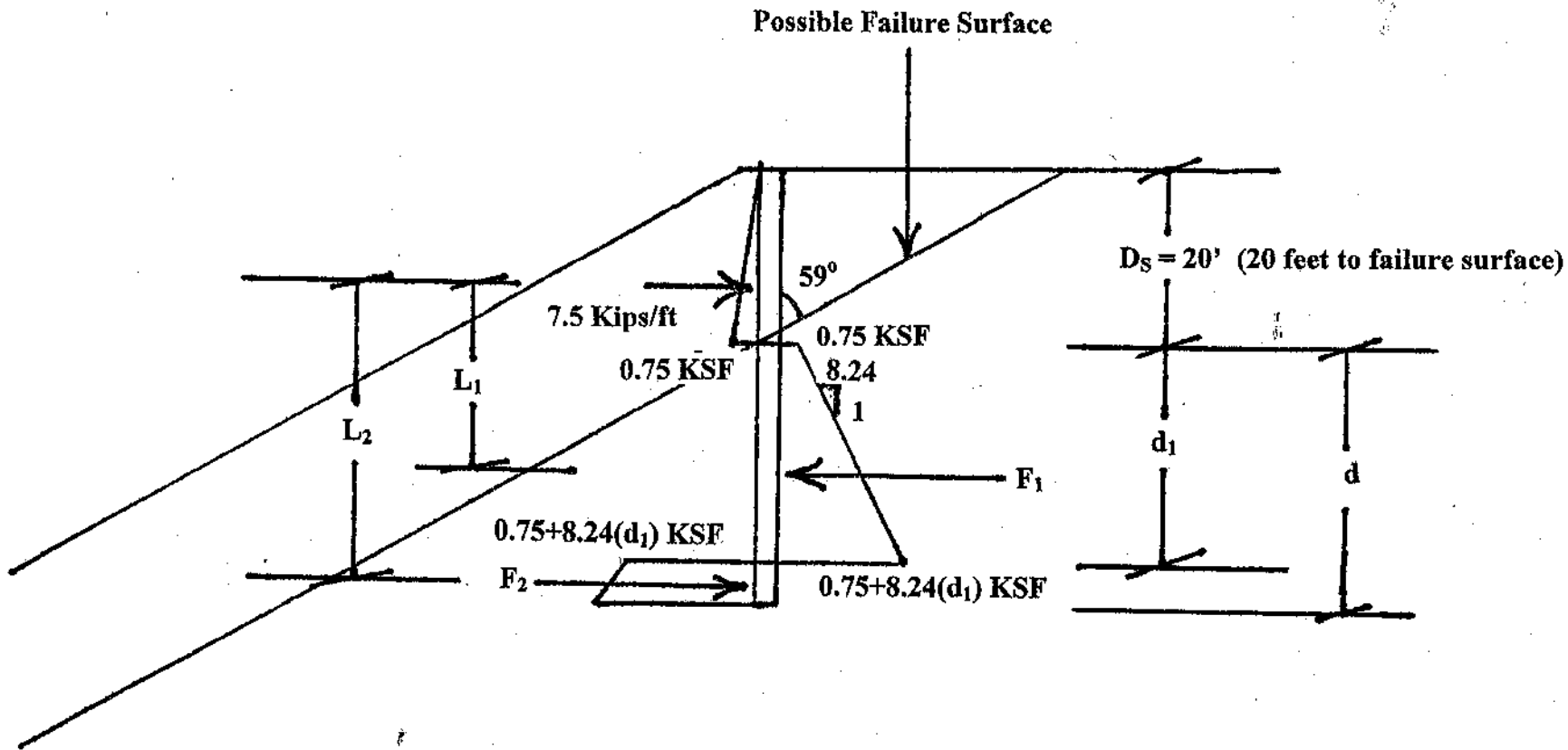
**APPENDIX G**

**CAISSON DESIGN PARAMETERS**

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**Index**

<u>Figure</u>		<u>Page No.</u>
G-1	Pressure Distribution Chart for Lots 29, 22, and the existing three units .....	G-3
G-2	Pressure Distribution Chart for Lot 28 (Section B-B') .....	G-4
G-3	Pressure Distribution Chart for Lot 28 (Section DD-DD') .....	G-5



\* Caissons should have a minimum embedment of 10 feet into bedrock.

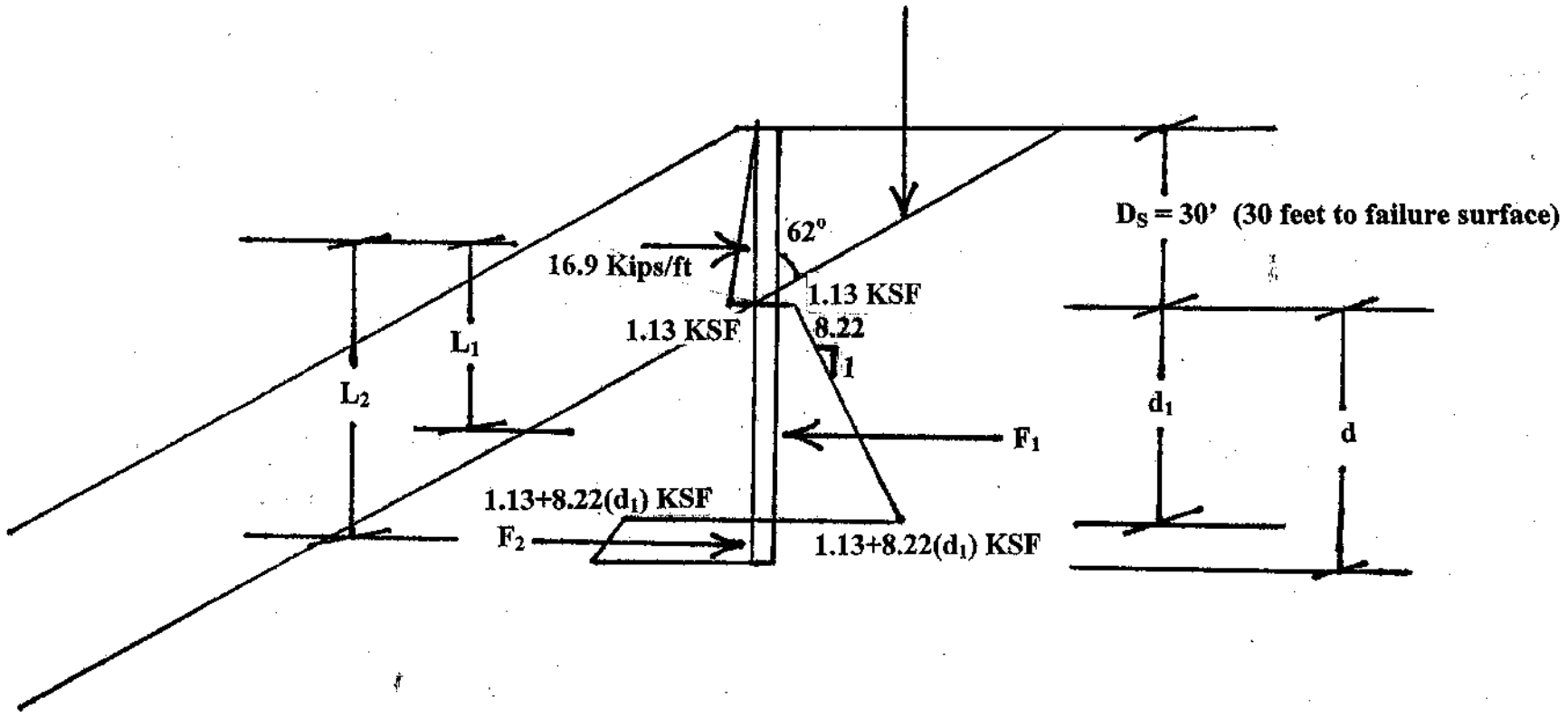
**PRESSURE DISTRIBUTION GRAPH FOR LOTS 29, 22,  
AND THE THREE EXISTING RESIDENTIAL  
UNITS AT THE EXISTING TERMINUS OF STONEY HILL,  
TENTATIVE TRACT 53072**

Project No. : 930381-007  
Project Name: C&C Mountaingate/TT 53072  
Eng.: BIH/GIM  
Date: 03/18/03 Figure No. G-1



**LEIGHTON AND ASSOCIATES, INC.**

Possible Failure Surface



\* Caissons should have a minimum embedment of 10 feet into bedrock.

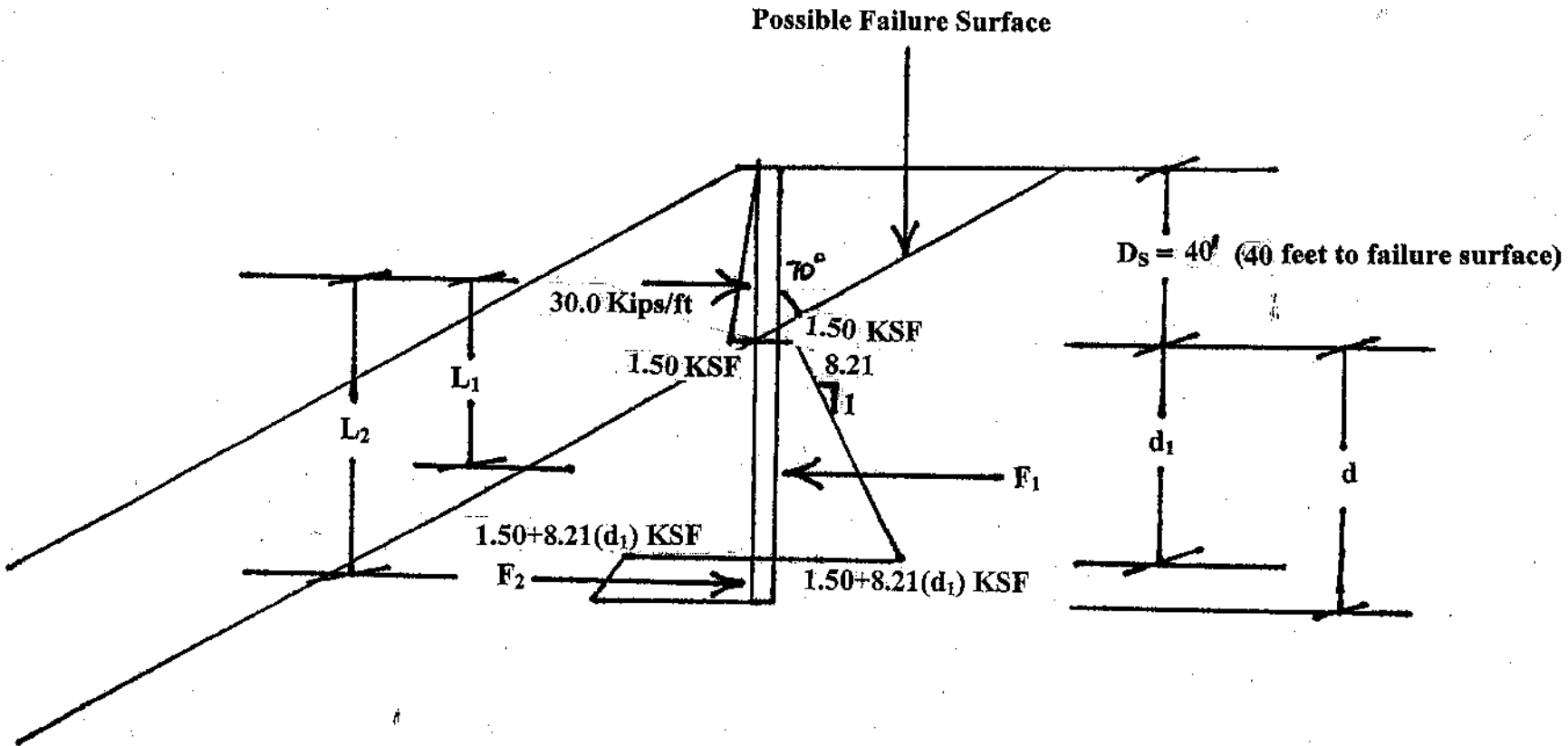
**PRESSURE DISTRIBUTION GRAPH FOR  
LOT 28, TENTATIVE TRACT 53072**

Project No. : 030381-002  
 Project Name: C&C Mountaingate/TT 53072  
 Eng. : BIH/GIM  
 Date: 03/18/03 Figure No. G-2



**LEIGHTON AND ASSOCIATES, INC.**

SECTION DD-DD'



\* Caissons should have a minimum embedment of 10 feet into bedrock.

**PRESSURE DISTRIBUTION GRAPH FOR  
LOT 28, TENTATIVE TRACT 53072**

Project No. : 030381-001  
 Project Name: C&C Mountaingate/TT 53072  
 Eng.: BIH/GIM  
 Date: 03/18/03 Figure No. G-3



SECTION B-8'

LEIGHTON AND ASSOCIATES, INC.



## APPENDIX H

### LEIGHTON AND ASSOCIATES, INC.

#### GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADING

##### Table of Contents

<u>Section</u>		<u>Page</u>
1.0	GENERAL	H-1
1.1	Intent	H-1
1.2	The Geotechnical Consultant of Record	H-1
1.3	The Earthwork Contractor	H-2
2.0	PREPARATION OF AREAS TO BE FILLED	H-2
2.1	Clearing and Grubbing	H-2
2.2	Processing	H-3
2.3	Overexcavation	H-3
2.4	Benching	H-3
2.5	Evaluation/Acceptance of Fill Areas	H-3
3.0	FILL MATERIAL	H-3
3.1	General	H-3
3.2	Oversize	H-4
3.3	Import	H-4
4.0	FILL PLACEMENT AND COMPACTION	H-4
4.1	Fill Layers	H-4
4.2	Fill Moisture Conditioning	H-4
4.3	Compaction of Fill	H-4
4.4	Compaction of Fill Slopes	H-4
4.5	Compaction Testing	H-5
4.6	Frequency of Compaction Testing	H-5
4.7	Compaction Test Locations	H-5
5.0	SUBDRAIN INSTALLATION	H-5
6.0	EXCAVATION	H-5



7.0	TRENCH BACKFILLS	H-6
7.1	Safety	H-6
7.2	Bedding & Backfill	H-6
7.3	Lift Thickness	H-6
7.4	Observation and Testing	H-6

Standard Details

A - Keying and Benching	Rear of Text
B - Oversize Rock Disposal	Rear of Text
C - Canyon Subdrains	Rear of Text
D - Buttress or Replacement Fill Subdrains	Rear of Text
E - Transition Lot Fills and Side Hill Fills	Rear of Text



## 1.0 General

- 1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).
- 1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.



- 1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

## 2.0 Preparation of Areas to be Filled

- 2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.



As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

- 2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.
- 2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.
- 2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.
- 2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

### 3.0 Fill Material

- 3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.
- 3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill

unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.

- 3.3 **Import:** If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

#### 4.0 Fill Placement and Compaction

- 4.1 **Fill Layers:** Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.
- 4.2 **Fill Moisture Conditioning:** Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).
- 4.3 **Compaction of Fill:** After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.
- 4.4 **Compaction of Fill Slopes:** In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.
- 4.5 **Compaction Testing:** Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction

levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).

- 4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.
- 4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

## 5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

## 6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.



PROJECTED PLANE  
1 TO 1 MAXIMUM FROM TOE  
OF SLOPE TO APPROVED GROUND

NATURAL  
GROUND

2" MIN.  
KEY DEPTH

2% MIN.  
15' MIN.  
LOWEST BENCH  
(KEY)

BENCH

4' TYPICAL  
BENCH HEIGHT

REMOVE  
UNSUITABLE  
MATERIAL

FILL SLOPE

COMPACTED  
FILL

FILL-OVER-CUT  
SLOPE

NATURAL  
GROUND

2" MIN.  
KEY DEPTH

2% MIN.  
15' MIN.  
LOWEST BENCH

BENCH

4' TYPICAL  
BENCH HEIGHT

REMOVE  
UNSUITABLE  
MATERIAL

CUT FACE  
SHALL BE CONSTRUCTED PRIOR  
TO FILL PLACEMENT TO ASSURE  
ADEQUATE GEOLOGIC CONDITIONS

CUT FACE  
TO BE CONSTRUCTED PRIOR  
TO FILL PLACEMENT

NATURAL  
GROUND

CUT-OVER-FILL  
SLOPE

OVERBUILT AND  
TRIM BACK

DESIGN SLOPE

PROJECTED PLANE  
1 TO 1 MAXIMUM FROM  
TOE OF SLOPE TO  
APPROVED GROUND

2" MIN.  
KEY DEPTH

2% MIN.  
15' MIN.  
LOWEST BENCH  
(KEY)

BENCH

4' TYPICAL  
BENCH HEIGHT

REMOVE  
UNSUITABLE  
MATERIAL

For Subdrains See  
Standard Detail C

BENCHING SHALL BE DONE WHEN SLOPES  
ANGLE IS EQUAL TO OR GREATER THAN 5:1  
MINIMUM BENCH HEIGHT SHALL BE 4 FEET  
MINIMUM FILL WIDTH SHALL BE 9 FEET

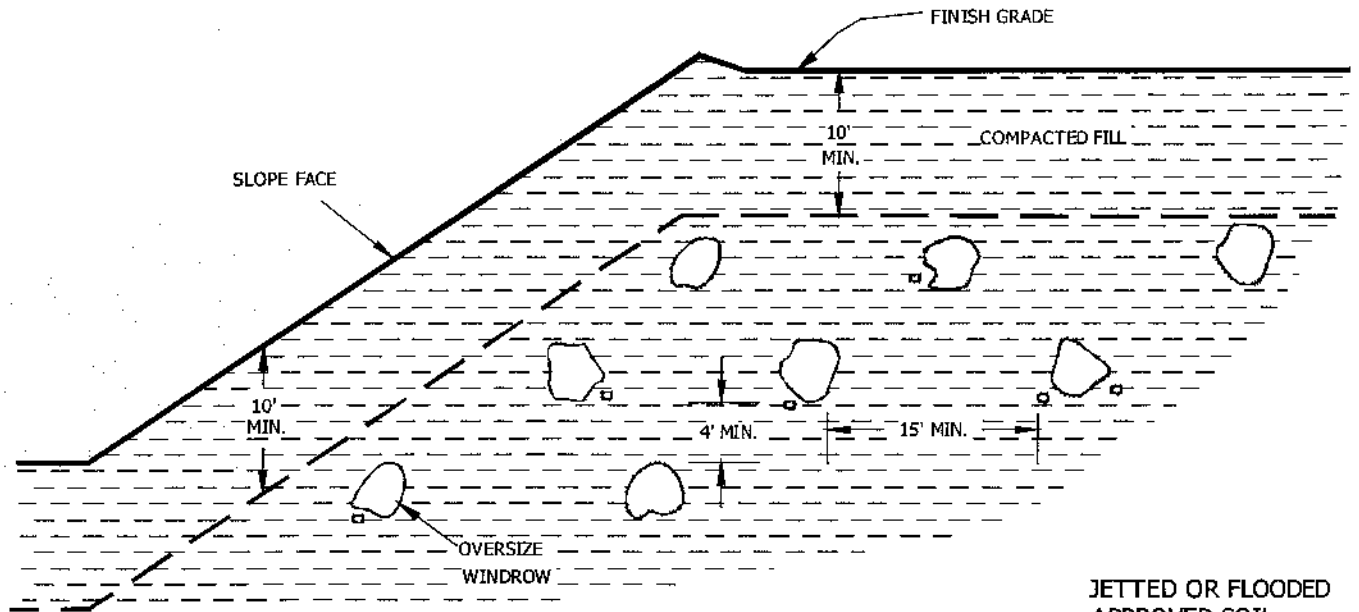
KEYING AND BENCHING

GENERAL EARTHWORK AND GRADING  
SPECIFICATIONS  
STANDARD DETAILS A

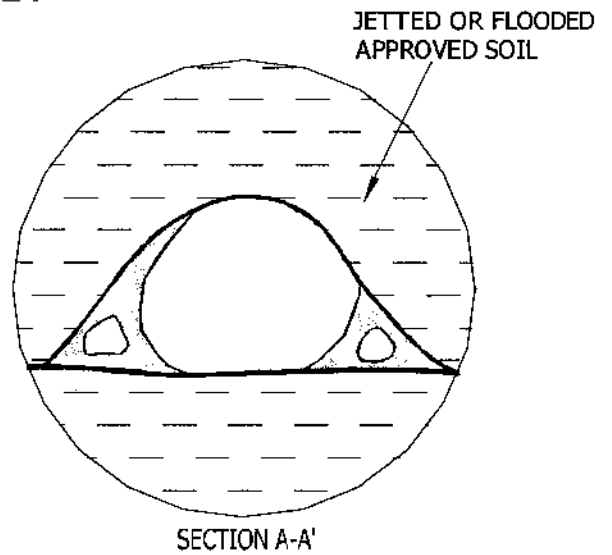


Rev. 7/00

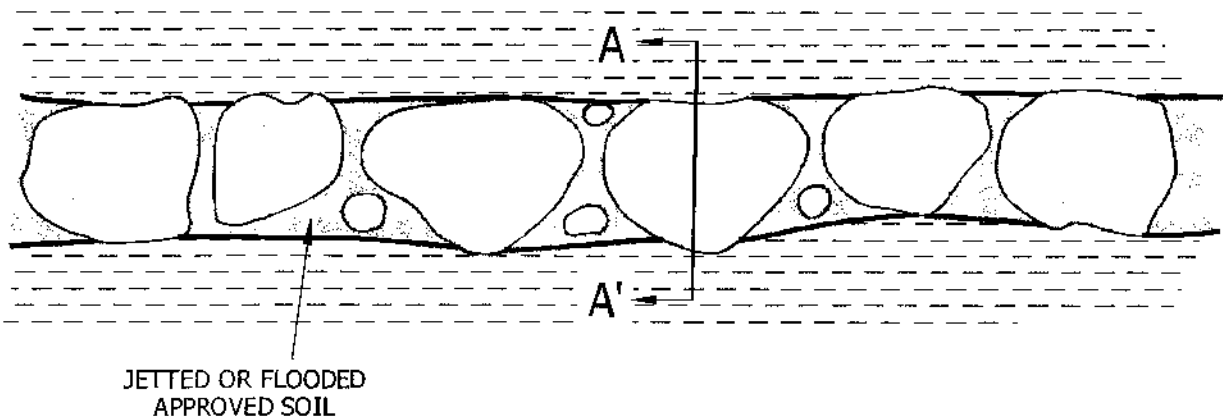




- Oversize rock is larger than 8 inches in largest dimension.
- Backfill with approved soil jetted or flooded in place to fill all the voids.
- Do not bury rock within 10 feet of finish grade.
- Windrow of buried rock shall be parallel to the finished slope face.



PROFILE ALONG WINDROW

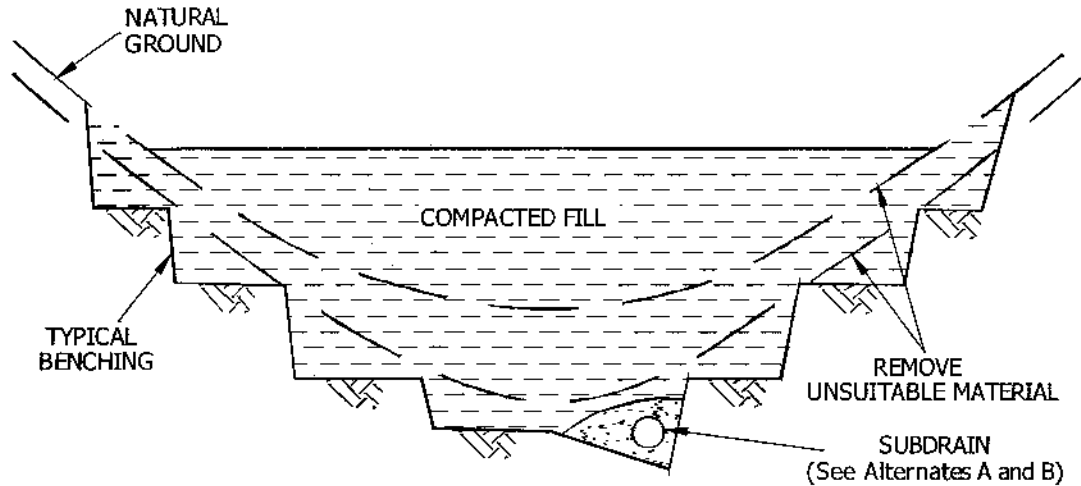


## OVERSIZE ROCK DISPOSAL

GENERAL EARTHWORK AND GRADING  
SPECIFICATIONS  
STANDARD DETAILS B

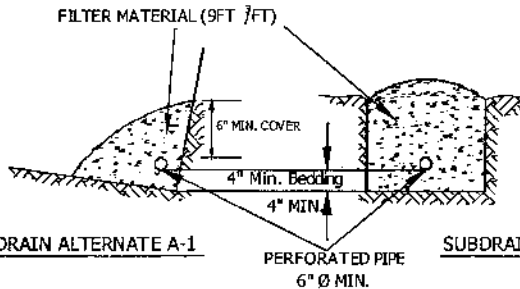


Rev. 7/00



**SUBDRAIN ALTERNATE A**

PERFORATED PIPE SURROUNDED WITH FILTER MATERIAL



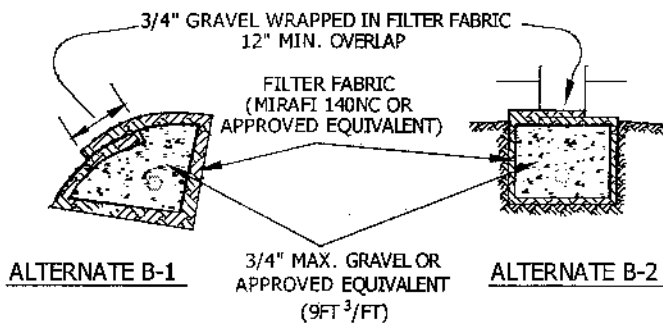
**FILTER MATERIAL**

FILTER MATERIAL SHALL BE CLASS 2 PERMEABLE MATERIAL PER STATE OF CALIFORNIA STANDARD SPECIFICATION, OR APPROVED ALTERNATE. CLASS 2 GRADING AS FOLLOWS:

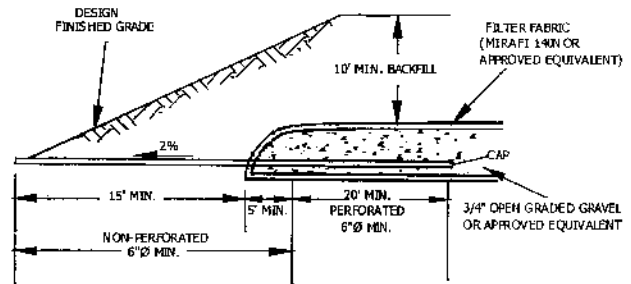
Sieve Size	Percent Passing
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

**SUBDRAIN ALTERNATE B**

**DETAIL OF CANYON SUBDRAIN TERMINAL**



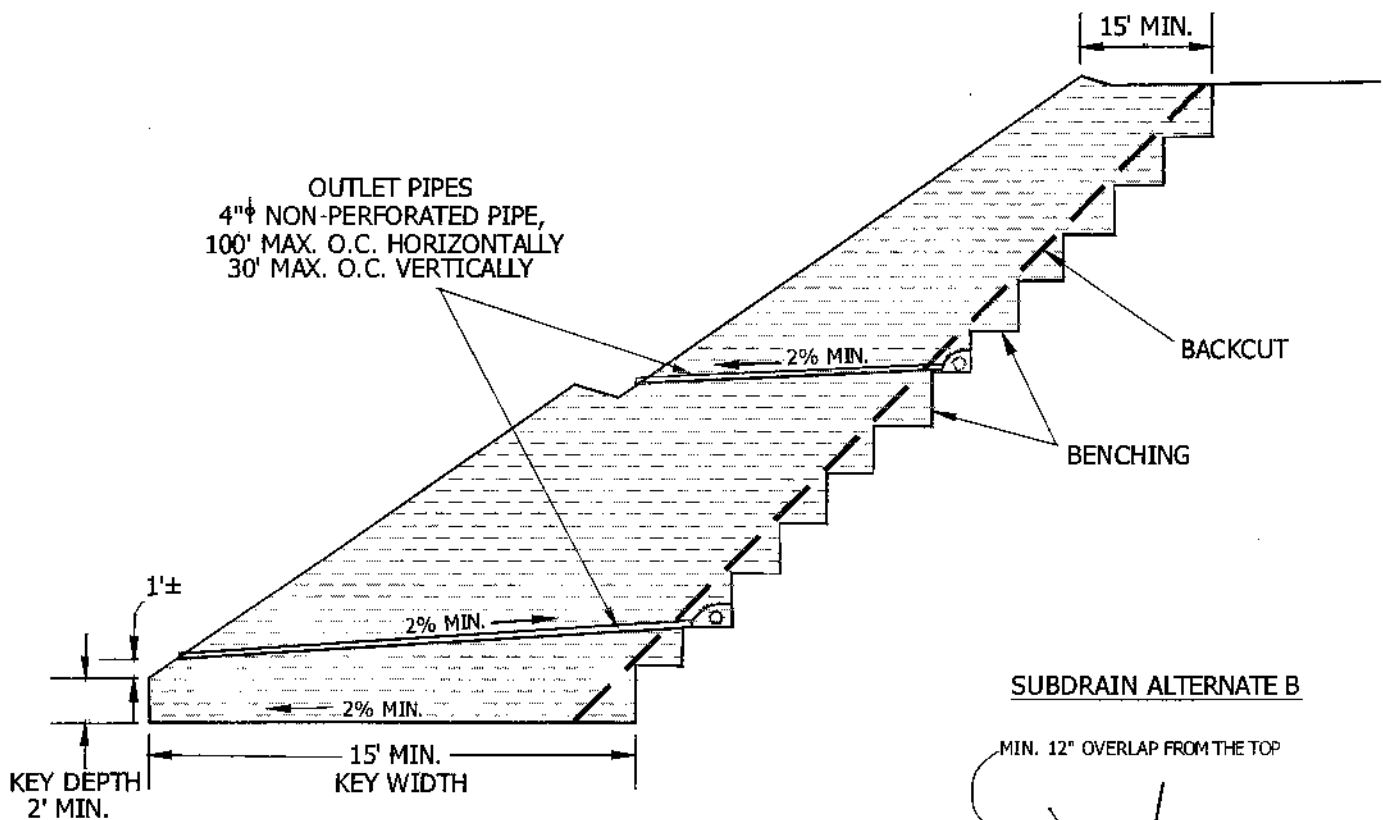
○ PERFORATED PIPE IS OPTIONAL PER GOVERNING AGENCY'S REQUIREMENTS



CANYON  
SUBDRAIN

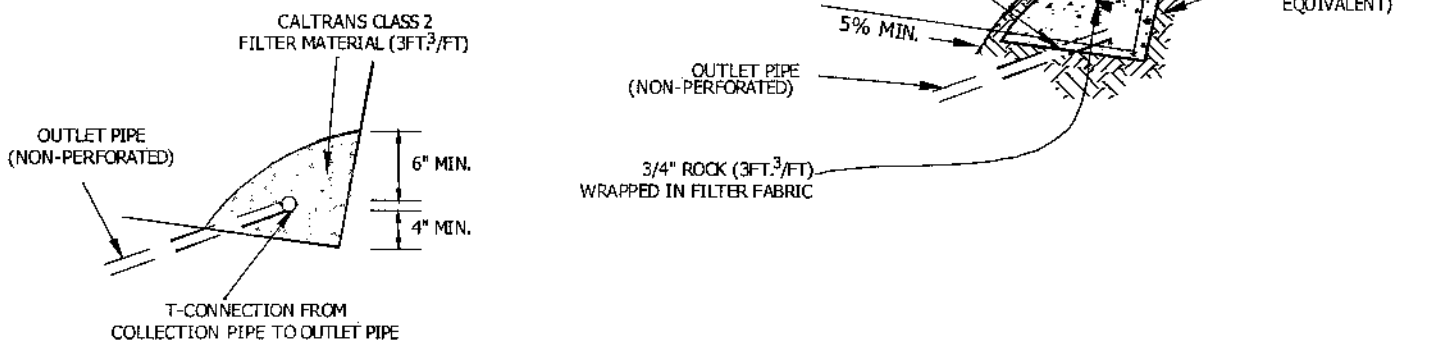
GENERAL EARTHWORK AND GRADING  
SPECIFICATIONS  
STANDARD DETAILS C





**SUBDRAIN ALTERNATE A**

**SUBDRAIN ALTERNATE B**



- **SUBDRAIN INSTALLATION** - Subdrain collector pipe shall be installed with perforations down or, unless otherwise designated by the geotechnical consultant. Outlet pipes shall be non-perforated pipe. The subdrain pipe shall have at least 8 perforations uniformly spaced per foot. Perforation shall be 1/4" to 1/2" if drilled holes are used. All subdrain pipes shall have a gradient at least 2% towards the outlet.

- **SUBDRAIN PIPE** - Subdrain pipe shall be ASTM D2751, ASTM D1527 (Schedule 40) or SDR 23.5 ABS pipe or ASTM D3034 (Schedule 40) or SDR 23.5 PVC pipe.

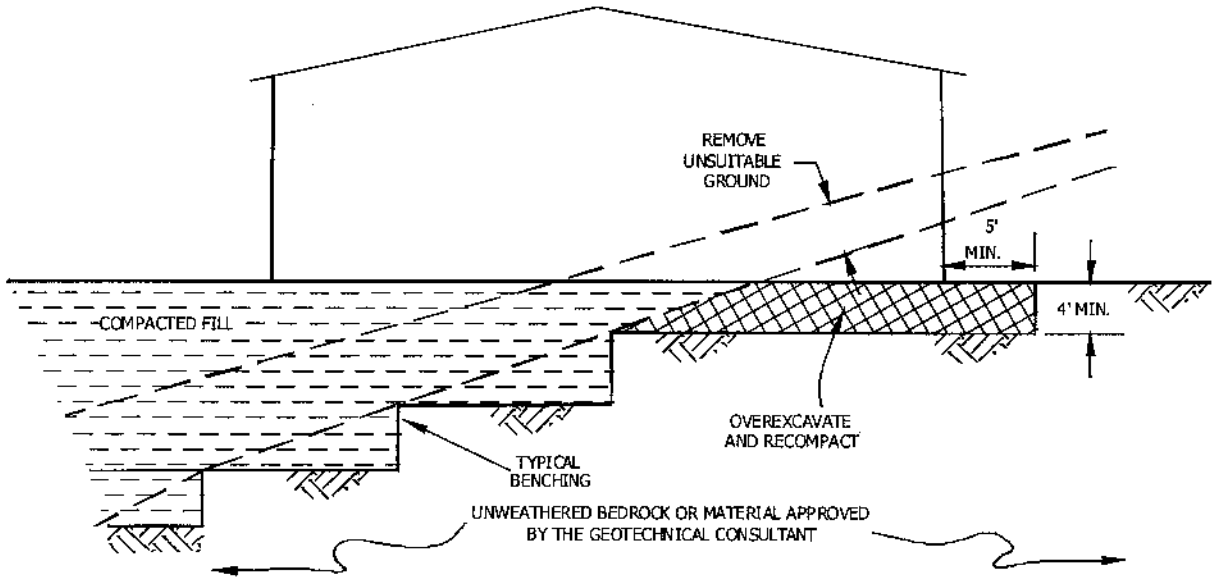
All outlet pipe shall be placed in a trench and, after fill is placed above it, rodded to verify integrity.

**BUTTRESS OR  
REPLACEMENT FILL  
SUBDRAINS**

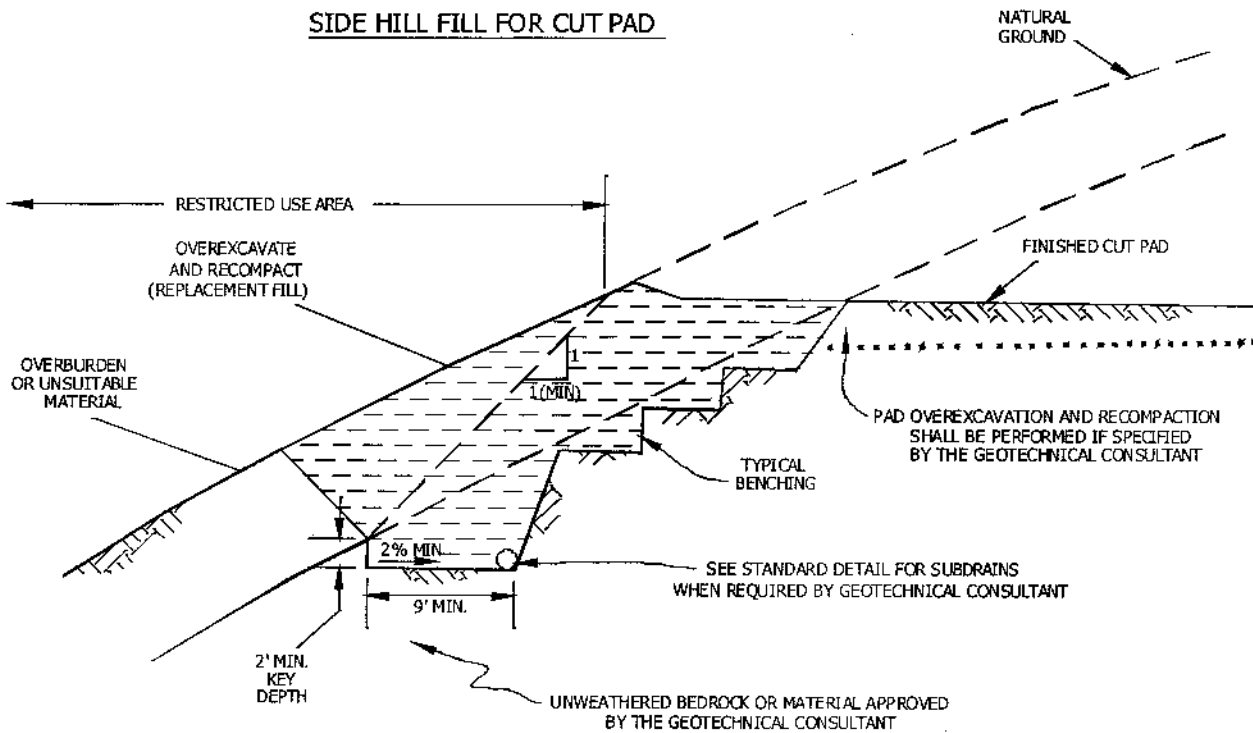
**GENERAL EARTHWORK AND GRADING  
SPECIFICATIONS  
STANDARD DETAILS D**



**CUT-FILL TRANSITION LOT OVEREXCAVATION**



**SIDE HILL FILL FOR CUT PAD**



**TRANSITION LOT FILLS  
AND SIDE HILL FILLS**

**GENERAL EARTHWORK AND GRADING  
SPECIFICATIONS  
STANDARD DETAILS E**

