DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF- 1321

Maps and descriptions of radiocarbon-dated samples from central and northern California

By

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This compilation includes radiocarbon dates and other pertinent information about samples from northern and central California, principally north of latitude 36°, drawn largely from Radiocarbon, Science, unpublished data of U.S. Geological Survey geologists, and other published and unpublished data brought to the author's attention as of January 1981. It includes a location map, several tables, and two lists of sources that contain further information about the samples. This compilation is intended as a progress report rather than a complete survey of the literature.

Table 1 gives pertinent information about 682 samples; tables 2 and 3 are cross indices designed to facilitate the use of table 1; table 4 includes sample numbers grouped by locality; and table 5 defines abbreviations used in the other four tables. Table 1 contains the following information for each radiocarbon-dated sample:

(1) The compilation number (ID NO). This is a unique number that was assigned to each sample as it was compiled. The compilation number is enclosed in a circle or a square on the map and is used to identify the sample locality. A circle indicates that only one radiocarbon date from this site is included here and a square indicates more than one radiocarbon date. The number within a square corresponds to the first compilation number to appear in table 1 for that site. Additional compilation numbers for these localities are listed in table 4.

(2) The name of the laboratory that performed the radiocarbon analysis and sample number assigned there (LAB NO).

(3) The type of material dated (MAT), as described by the submittor of the data.

(4) The radiocarbon analysis (DATE) and its corresponding uncertainty (ERROR). The asterisk (*) between the date and the uncertainty denotes plus or minus (±)

(5) The environment (ENV) in which the sample was deposited. Archeologic environments (AR) were distinguished from geologic environments, and geologic environments were further divided into depositional environments, such as lacustrine (L), alluvial (A) and colluvial (C).

(6) The depth, in meters, at which the sample was collected. All sample depths are given relative to the ground surface except for estuarine deposits, for which the majority of depths are referenced to the National Geodetic Vertical Datum of 1929 (formerly called mean sea level). The reader must consult these references to determine the appropriate datum for the depths listed in the table.

(7) The latitude and longitude of the sample locality, in degrees, minutes and seconds, as stated in the reference or as deduced from the location description. If an evident discrepancy exists between the published latitude and longitude and the location description, the latter was assumed to be correct. A plus sign (+) appears after the longitude estimated from the location description if the published latitude and (or) longitude are apparently incorrect. Some sample localities were difficult to determine from the information provided in the reference, either because the coordinates were given to the nearest minute rather than the nearest second, or because of ambiguities in the location description. These localities have been queried on the map (sheets 1 and 2).

(8) The name of the largest scale U.S. Geological Survey topographic map (QUADRANGLE) on which the sample locality may be found. Quadrangles are 7.5 minute unless otherwise noted. A negative sign (-) preceding quadrangle names signifies that the radiocarbon-dated sample is not plotted on sheets 1 and 2 because the base map does not cover the latitude and longitude of this sample locality.

(9) The references from which the information about the sample was obtained. As each new reference was acquired it was assigned a unique number (REFERENCE NO). This number identifies an entry in the two reference lists. One reference list has been organized numerically by reference number (Reference list 1); the other is alphabetical (Reference list 2). If a date has been cited in several references, additional reference numbers have been listed in the table.

A few reference numbers are followed by double asterisks (**). This symbol indicates that the reference cited specifies that the accuracy of the date is questionable because of a discrepancy with time-stratigraphic position or probable contamination.

(10) The name of the archeological site, as relevant.

Table 2 organizes the samples alphabetically by laboratory name and numerically by laboratory number. This table may be used to determine quickly whether or not a specific sample has been included in this compilation. The compilation number for each sample is given so that one has easy access to the additional information supplied for that radiocarbon analysis in table 1.

Table 3 organizes samples in order of increasing age. This table enables one to locate easily a specific radiocarbon date, or dates within a certain range of ages.

This compilation has been organized so that one may easily locate the source of a specific radiocarbon date. Although not all published radiocarbon dates have been included in this compilation, the data are organized so that they may be revised as more dates or additional information become available.

Table 1. -- Radiocarbon-dated samples collected in central and northern California organized by compilation number (ID NO).

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
1	I	1928	SCF	7600 *	200	LS	2.8-3.4	35 10 55	119 21 20	MOUTH OF KERN	1	
2	LJ	1356	S	8200 *	400	LS	4.2-4.6	35 10 55	119 21 20	MOUTH OF KERN	2	
3	W	1506	W	26780 *	600	L	12.0	35 44 --	120 43 --+	LOST HILLS NW	3 78 79 52	
4	W	1650	W	14060 *	450	L/A	10.7	35 30 --	119 37 --	LOKERN	3 78	
5	W	1652	W	13350 *	500	L	6.1	35 33 45	119 38 --	LOST HILLS	3 78	
6	W	1503	W	>40000		L	27.2	36 43 45	120 21 50	TRANQUILLITY	3	
7	W	1505	W	9040 *	300	L	11.5	35 09 04	119 10 46	MILLUX	3 78 79 82 59	
8	W	1504	W	17130 *	350	L	22.4	35 08 45	119 11 20	MILLUX	3 78 82	
9	UCR	121	W	>35000		AC	--	38 31 --	123 13 --	FORT ROSS	4	
10	UM	2079	P	885 *	80	EI	.20-.25	38 02 35	121 51 49	ANTIOCH NORTH	6	
11	USGS	750	P	1430 *	55	EM	2.3-2.4	38 14 55	121 42 30	RIO VISTA	6	
12	USGS	751	P	2110 *	80	EM	3.3-3.5	38 14 55	121 42 30	RIO VISTA	6	
13	UM	2144	P	840 *	70	EI	.25-.30	38 04 --	122 11 30	BENICIA	6	
14	UM	2145	P	2160 *	90	EI	1.5-1.6	38 04 --	122 11 30	BENICIA	6	
15	UM	2146	P	1505 *	90	EI	.75-.80	38 04 --	122 11 30	BENICIA	6	
16	UM	2078	P	535 *	125	EI	.20-.25	38 02 35	121 51 49	ANTIOCH NORTH	6	
17	USGS	752	P	4330 *	65	EM	8.4-8.6	38 14 55	121 42 30	RIO VISTA	6	
18	USGS	753	P	6110 *	100	EM	10.2-.3	38 14 55	121 42 30	RIO VISTA	6	
19	UM	2080	BK	715 *	70	EI	0.0	38 04 14	122 02 30	PORT CHICAGO	6	
20	UM	2081	P	4145 *	100	EI	6.0-6.2	38 04 14	122 02 30	PORT CHICAGO	6	
21	UM	2082	P	2090 *	120	EI	3.3-3.6	38 04 14	122 02 30	PORT CHICAGO	6	
22	USGS	749	P	1910 *	55	EI	2.3	38 18 30	121 34 --	COURTLAND	6	
23	UM	2053	C	20456 *	675	AC	7.0	37 53 30	121 43 30	BRENTWOOD	6	
24	USGS	570	PFD	42200 *	1600	AC	12.2	38 04 30	121 39 --	JERSEY ISLAND	6	
25	USGS	571	PFD	43000 *	1700	AC	19.8	38 01 45	121 40 30	JERSEY ISLAND	6	
26	USGS	572	PFD	46300 *	2400	AC	24.4	38 01 45	121 40 30	JERSEY ISLAND	6	
27	USGS	573	PFD	32700 *	700	AC	41.8	38 01 45	121 40 30	JERSEY ISLAND	6**	
28	USGS	574	PFD	38100 *	950	AC	21-23.0	37 59 45	121 30 --	BRENTWOOD	6	
29	W	3249	C	520 *	200	AC	.72	37 18 37	120 23 48	MERCED	7	
30	W	3378	W	370 *	200	A	4.6	37 38 --	120 46 --	WATERFORD	57	
31	USGS	429	W	42400 *	1000	A	12.7	37 32 00	121 05 00	BRUSH LAKE	7	
32	USGS	713	C	275 *	50	AR	.78-.84	38 04 --	120 54 --	VALLEY SPRINGS SW	7	
33	USGS	716	C	2240 *	90	A	.67-.7	38 04 40	121 16 55	LODI SOUTH	7	
34	USGS	717	C	2240 *	90	A?O	1.2-1.6	38 04 40	121 16 55	LODI SOUTH	7	
35	USGS	718	C	2240 *	90	A?O	1.4	38 04 40	121 16 55	LODI SOUTH	7	
36	I	3165	C	1220 *	100	AR	0.8-0.9	39 32 28	121 30 40	OROVILLE	15	OROVILLE
37	UCLA	728	PF	38000 *	2500	--	--	35 17 --	119 38 --	REWARD	11	
38	UCLA	740	C	>36000		L	25.9	37 01 --	120 52 --	LOS BANOS	12	
39	W	1192	P	>38000		L	167.0	36 38 45	120 11 00+	JAMESAN	13 64	
40	W	1200	P	>38000		L	137.4	35 31 --	119 37 --	SEMITROPIC	13	
41	LJ	456	W	>34000		A	102.0	37 59 58	121 17 57+	STOCKTON WEST	14	
42	W	794	PSI	6600 *	250	E	10.1	38 01 52	121 44 46+	JERSEY ISLAND	9 84 45 49	
43	W	744	PC	10690 *	300	E	17.6	38 01 52	121 44 46+	JERSEY ISLAND	9 84 45 49	
44	W	793	C	1040 *	200	A	3.2	36 28 30	120 25 50+	LILLIS RANCH	9	
45	W	581	W	10540 *	350	TA	15.3	37 40 --	122 28 --	SAN FRANCISCO SOUTH	9 49	
46	M	646	BH	3080 *	300	AR	2.3	38 14 30	121 26 50	THORNTON	24 49	BLOSSOM
47	I	2754	C	3690 *	130	AR	2.3	38 52 58	122 36 26	LOWER LAKE	15	COPSEY CREEK
48	I	2791	C	2100 *	150	AR	1.5	38 52 58	122 36 26	LOWER LAKE	15	COPSEY CREEK
49	I	3208	W	1050 *	100	AR	.5	41 10 --	120 02 --+	-SNAKE LAKE	15	RODRIGUEZ
50	I	4782	BA	5250 *	120	AR	1.2	41 16 --	120 05 --	-EAGLEVILLE	16	MENLO BATHS
51	I	5938	BH	1350 *	95	AR	1.2	38 04 25	122 32 --	NOVATO	17	
52	USGS	35	S	3070 *	90	E	6.6	37 30 09	122 07 49	REDWOOD POINT	35	
53	USGS	36	S	4830 *	130	E	11.7	37 30 09	122 07 49	REDWOOD POINT	35	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
54	USGS	55	W	>37600		A	16.0	37 30 09	122 07 49	REDWOOD POINT	35	
55	USGS	71	S	1160	* 60	E	7.9-8.2	37 54 28	122 40 40	BOLINAS	35	
56	USGS	72	S	6450	* 100	E	15.2	37 54 28	122 40 40	BOLINAS	35	
57	USGS	74	PF	>29700		LSL	26.3	38 07 30	122 35 --	PETALUMA RIVER	35	
58	UGA	449	C	3375	* 140	SOL	2.8	37 39 32	119 04 18	DEVILS POSTPILE 15'	10	
59	W	2561	P	2340	* 250	FS	3.4	37 39 38	122 28 48	SAN FRANCISCO SOUTH	26	
60	W	2659	P	2690	* 250	FS	3.4	37 39 33	122 28 42	SAN FRANCISCO SOUTH	26	
61	M	938	WPF	1050	* 200	EAR	2.6	40 48 50	124 09 50+	EUREKA	23	GUNTHER ISLAND
62	M	937	C	610	* 150	AR	.3-.4	39 22 --	121 03 20	NEVADA CITY	23	CHILDERS
65	M	886	W	1080	* 200	AR	2.0	38 04 --	122 12 --+	BENICIA	27 49	GLEN COVE
66	I	4006	C	2260	* 210	AR	1.1	41 45 --	124 15 --	-CRESCENT CITY	18	POINT ST. GEORGE I
67	UM	1631	W	34380	+ 730	A	--	40 01 30	124 04 --	SHELTER COVE	19	
67	UM	1631	W	34380	- 670	A	--	40 01 30	124 04 --	SHELTER COVE	19	
68	UM	1632	C	29040	+ 610	A	--	40 01 30	124 04 --	SHELTER COVE	19	
68	UM	1632	C	29040	- 570	A	--	40 01 30	124 04 --	SHELTER COVE	19	
69	Y	2404	BK	120	* 80	AC	1-1.3	37 18 24	117 47 53	-SOLDIER PASS 15'	20	
70	Y	2405	BK	770	* 80	AC	.52-.8	37 18 24	117 47 53	-SOLDIER PASS 15'	20	
71	A	474	O	>31200		L	6.6	35 43 --	117 38 --	RIDGECREST NORTH	8	
72	LJ	981	SG	>50000		L	0.0	36 25 47	117 24 25	-PANAMINT BUTTE 15'	36	
73	LJ	982	TL	18600	* 1000	L	--	36 15 14	117 18 36	-PANAMINT BUTTE 15'	36	
74	LJ	983	TL	17100	* 900	L	--	36 25 04	117 23 50	-PANAMINT BUTTE 15'	36	
75	LJ	984	TL	32300	* 1600	L	0.0	36 25 47	117 24 25	-PANAMINT BUTTE 15'	36	
76	LJ	985	SG	>45000		L	0.0	36 14 54	117 19 16	-MATURANGO PEAK 15'	36	
77	LJ	986	CSI	>40000		L	0.0	36 25 47	117 24 25	-PANAMINT BUTTE 15'	36	
78	LJ	987	CA	>40000		L	0.0	36 25 47	117 24 25	-PANAMINT BUTTE 15'	36	
79	LJ	989	T	22530	* 1200	L	0.0	36 14 54	117 19 16	-MATURANGO PEAK 15'	36	
80	LJ	990	TL	31480	* 1600	L	--	36 15 39	117 20 20	-PANAMINT BUTTE 15'	36	
81	LJ	991	CA	32900	* 1700	L	5.0	36 25 04	117 23 50	-PANAMINT BUTTE 15'	36	
82	LJ	980	TL	>35000		L	--	36 15 14	117 18 36	-PANAMINT BUTTE 15'	36	
83	LJ	979	CSI	24750	* 1300	L	--	36 25 04	117 23 50	-PANAMINT BUTTE 15'	36	
84	LJ	977	T	13000	* 700	LS	--	36 22 43	117 24 12	-PANAMINT BUTTE 15'	36	
85	LJ	973	SG	>50000		L	--	36 25 04	117 23 50	-PANAMINT BUTTE 15'	36	
86	LJ	902	TL	21900	* 600	L	--	38 03 --	118 46 --	-TRENCH CANYON 15'	36	
87	W	1417	CD	1440	* 250	A	--	36 59 00	122 09 20	SANTA CRUZ	38 49	
88	W	1408	PF	2800	* 300	D	--	37 07 45	122 20 12	FRANKLIN POINT	38 49	
89	W	1376	WD	10200	* 300	A	--	37 07 00	122 18 20	ANO NUEVO	38 49	
90	W	1413	CD	>32000		A	--	37 02 30	122 13 45	DAVENPORT	38 49	
91	W	1321	T	32500	* 2000	L	.13	35 36 45	117 22 15	CHRISTMAS CANYON	38 119	
92	W	1324	T	22500	* 600	L	.05	35 40 30	117 25 20	WESTEND	38 119	
93	W	1327	OL	11730	* 350	L	.03	35 39 30	117 28 20	WESTEND	38 119	
94	W	1322	T	10230	* 300	F	--	35 30 50	117 25 00	SPANGLER HILLS EAST	38 119	
95	W	1323	T	13700	* 350	L	--	35 37 10	117 22 00	CHRISTMAS CANYON	38 119	
96	W	1318	TA	12200	* 450	L	--	35 34 50	117 23 50	SPANGLER HILLS EAST	38 119	
97	W	1418	TR	11720	* 500	L	--	35 34 50	117 23 50	SPANGLER HILLS EAST	38 119	
98	W	1317	T	12000	* 400	L	.76	35 35 10	117 16 50	CHRISTMAS CANYON	38 119	
99	W	1325	T	12110	* 300	L	--	35 36 40	117 17 50	CHRISTMAS CANYON	38 119	
100	W	1422	SM	27400	* 800	L	--	35 39 40	117 24 20	WESTEND	38 119	
101	Y	574A	CA	11810	* 140	L	24-24.2	35 46 --	117 20 --	-TRONA 15'	42 63 119	
102	Y	574B	O	10700	* 130	L	24-24.2	35 46 --	117 20 --	-TRONA 15'	42 63 119	
103	Y	575A	CA	12420	* 160	L	24.8-25	35 46 --	117 20 --	-TRONA 15'	42 63 119	
104	Y	575B	O	12730	* 210	L	24.8-25	35 46 --	117 20 --	-TRONA 15'	42 63 119	
105	Y	576A	CA	16890	* 210	L	26-26.2	35 46 --	117 20 --	-TRONA 15'	42 63 119	
106	Y	576B	O	16620	* 320	L	26-26.2	35 46 --	117 20 --	-TRONA 15'	42 63 119	
107	Y	577A	CA	22350	* 1750	L	27.3-.5	35 46 --	117 20 --	-TRONA 15'	42 63 119	
108	Y	577B	O	24690	* 1070	L	27.3-.5	35 46 --	117 20 --	-TRONA 15'	42 63 119	
109	A	482	W	>42500		--	12.2	38 18 --	123 03 --	BODEGA HEAD	43 49	
110	A	451	S	28500	* 4300	L	7.4	35 43 --	117 38 --	RIDGECREST NORTH	43	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
111	W	2336	W	31000 *	1000	A	18.6	35 21 55	119 28 12	EAST ELK HILLS	26 82	
112	W	2086	W	5180 *	600	A	--	36 25 15	120 17 20+	TRES PICOS FARMS	29	
113	USGS	38	W	14100 *	200	O	12.0-15	35 21 15	119 02 15	GOSFORD	35 7	
114	USGS	62	SOL	4600 *	100	SOL	--	35 58 00	119 14 00+	SAUSALITO SCHOOL	35 7	
115	UGA	450	W	1210 *	55	V	.6	36 58 47	119 00 49	PATTERSON MTN 15'	10	
116	UGA	451	W	1175 *	65	V	.45	36 58 47	119 00 49	PATTERSON MTN 15'	10	
117	UCLA	121	TE	19300 *	400	LS	--	35 02 21	116 21 06	-CAVE MTN 15'	40 119	
118	LJ	199	C	2310 *	220	AR	2.4-2.7	37 50 15	122 17 30	OAKLAND WEST	41	EMERYVILLE
119	LJ	200	SMF	9640 *	240	LS	--	35 21 27	116 09 --	-BAKER 15'	41 119	
120	LJ	269	TS	19500 *	500	LS	--	35 02 54	116 22 31	-CAVE MTN 15'	41 119	
121	UCLA	622	SM	515 *	80	AR	--	40 51 --	124 10 --	EUREKA	12	KREI
122	UCLA	643	C	550 *	60	AR	1.8	40 51 --	124 10 --	EUREKA	12	YUROK
123	UCLA	733A	S	700 *	80	AR	1.8	40 51 --	124 10 --	EUREKA	12	YUROK
124	UCLA	733B	W	935 *	100	AR	1.8	40 51 --	124 10 --	EUREKA	12	YUROK
125	UCR	118A	BH	1690 *	100	AR	1.0	37 13 --	119 59 --	RAYMOND	31	JONES
126	UCR	118B	BH	2750 *	90	AR	.7	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
127	UCR	118C	BH	1470 *	100	AR	.7	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
128	UCR	118D	BH	1650 *	80	AR	1.5	37 13 --	119 59 --	RAYMOND	31	DANCING COW
129	UCR	118E	BH	1740 *	100	AR	--	37 13 --	119 59 --	RAYMOND	31	DANCING COW
130	UCR	118F	BH	970 *	80	AR	--	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
131	UCR	118G	BH	1745 *	100	AR	--	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
132	UCR	118H	BH	1400 *	90	AR	1.0	37 13 --	119 59 --	RAYMOND	31	JONES
133	UCR	118I	BH	1010 *	80	AR	1.5	37 13 --	119 59 --	RAYMOND	31	DANCING COW
134	UCR	118J	BH	1540 *	110	AR	1.0	37 13 --	119 59 --	RAYMOND	31	JONES
135	UCR	118K	BH	1310 *	80	AR	.7	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
136	UCR	118L	BH	1305 *	80	AR	.7	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
137	UCR	118N	BH	1425 *	80	AR	.7	37 13 --	119 59 --	RAYMOND	31	SCHWABACKER
138	UCR	118O	BH	2000 *	80	AR	1.5	37 13 --	119 59 --	RAYMOND	31	DANCING COW
139	UCR	118P	BH	1630 *	80	AR	1.0	37 13 --	119 59 --	RAYMOND	31	JONES
140	I	4528	C	1265 *	95	AR	1-1.1	37 13 25	119 59 02	RAYMOND	16	BUCHANAN
141	I	4798	C	1060 *	95	AR	.55	37 37 --	122 25 --	MONTARA MTN	16	GOLDEN GATE CEMETERY
142	W	2135	C	1230 *	300	V	--	40 32 --	121 32 --	MANZANITA LAKE 15'	29	
143	W	2137	C	1120 *	300	V	--	40 32 --	121 32 --	MANZANITA LAKE 15'	29	
144	UCR	178	C	< 150		AR	.9-1.0	37 50 --	121 10 --	MANTECA	4	FARMINGTON
145	UCR	179	C	250 *	150	AR	1.1-1.2	37 50 --	121 10 --	MANTECA	4	FARMINGTON
146	UCR	180	C	< 150		AR	1.1-1.2	37 50 --	121 10 --	MANTECA	4	FARMINGTON
147	UCR	137	BH	3630 *	300	AR	1.5	38 13 --	120 53 --	WALLACE	4	COMMANCHE
148	UCR	138	BH	1850 *	150	AR	.6	38 34 15	121 28 --	SACRAMENTO EAST	4	SUTTERS FORT
149	UCR	139	BH	3300 *	150	AR	1.2-1.6	38 20 --	121 27 --	BRUCEVILLE	4	FRANKLIN
150	UCR	140	BH	2860 *	150	AR	.8	38 01 --	121 20 --	LODI SOUTH	4	STOCKTON
151	UCR	141	BH	3200 *	150	AR	.94	38 01 --	121 20 --	LODI SOUTH	4	STOCKTON
152	UCR	142	BH	1870 *	250	AR	.1-.15	38 14 --	121 27 --	THORNTON	4	THORNTON
153	UCR	143	BH	900 *	250	AR	.2-.3	38 14 --	121 27 --	THORNTON	4	THORNTON
154	UCR	144	BH	2500 *	200	AR	.3-.4	38 14 --	121 27 --	THORNTON	4	THORNTON
155	UCR	145	C	865 *	150	AR	.37	38 47 --	121 37 --	VERONA	4	VERONA
156	UCR	146	C	815 *	150	AR	.81	38 47 --	121 37 --	VERONA	4	VERONA
157	UCR	122	BH	1850 *	100	AR	--	40 23 --	120 26 --	-LITCHFIELD 15'	4	LOWER WILLOW CREEK
158	UCR	150	C	1910 *	150	AR	--	40 47 --	122 17 --	LAMOINE 15'	4	POTTER CREEK CAVE
159	A	554	O	4100 *	800	L	8.7-9	36 25 --	118 00 --	OLANCHA 15'	8	
160	LJ	1357	S	8200 *	400	LS	4.3-4.6	35 10 55	119 21 20	MOUTH OF KERN	2	
161	W	727	W	1440 *	150	--	.31	37 39 --	119 02 --	DEVILS POSTPILE 15'	83 9 52	
162	W	734	W	4830 *	200	--	1.2	37 37 --	119 01 --	DEVILS POSTPILE 15'	9	
163	W	2764	S	>43000		TM	--	37 07 --	122 19 15+	ANO NUEVO	30	
164	W	2784	OM	680 *	200	FS	1.1	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
165	W	2782	OM	900 *	200	FS	1.3	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
166	W	2811	OC	3410 *	250	FS	2.2	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
167	W	2812	OC	3415 *	250	FS	2.3	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
168	W	2789	OC	3860	* 500	FS	4.4	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
169	W	2787	OC	3200	* 500	FS	4.5	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
170	W	2785	OM	3470	* 500	FS	5.0	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
171	W	2786	OM	3850	* 500	FS	5.1	36 55 30	121 39 00+	WATSONVILLE EAST	30 106	
172	W	2457	OC	1740	* 250	FS	1.6-1.9	36 31 30	121 07 00+	SAN BENITO	30 106	
173	W	2461	PF	13060	* 400	FS	7.5-8.4	35 45 --	120 15 --	ORCHARD PEAK	30	
174	TX	1195	C	1420	* 70	TA	1.5	35 57 --	117 54 --+	LITTLE LAKE 15'	44	
175	UM	2147	W	2215	* 110	AF	1.0	38 14 54	122 13 45	LOCKEFORD	7	
176	UM	2148	W	>38630		AF	4.5	38 14 54	122 13 45	LOCKEFORD	7	
177	BETA	1603	W	475	* 60	A	1.8	34 55 25	118 57 46	GRAPEVINE	7 120	
178	BETA	1604	W	345	* 65	M	1.3	34 55 54	118 57 28	GRAPEVINE	7 120	
179	BETA	1605	C	1255	* 75	EM	.4-.8	34 55 24	118 57 42	GRAPEVINE	7 120	
180	BETA	1602	SG	2415	* 190	T	.5	37 06 --	121 02 --	SAN LUIS DAM	96	
181	UM	1463	W	7410	* 110	A	--	38 47 29	123 30 34	GUALALA	22 60	
182	UM	1459	C	7760	* 200	A	--	37 55 56	122 09 25	BRIONES VALLEY	22	
183	UM	1460	C	4760	+ 280	A	23.0	37 55 30	122 09 38	BRIONES VALLEY	22	
183	UM	1460	C	4760	- 270	A	23.0	37 55 30	122 09 38	BRIONES VALLEY	22	
184	UM	1461	C	1200	* 100	A	--	37 55 30	122 09 38	BRIONES VALLEY	22	
185	W	2733	P	2070	* 250	EI	19.2	37 46 48	122 24 27	SAN FRANCISCO NORTH	30	
186	W	2463	OC	4900	* 250	AR	21.9	37 46 48	122 24 27	SAN FRANCISCO NORTH	30 49	
187	W	1201	T	13300	* 500	L	--	35 40 --	117 24 50	WESTEND	13 119	
188	W	942	CM	11800	* 1000	M/L	6.7-6.9	35 42 30	117 19 00	SEARLES LAKE	13 119	
189	UCLA	297	C	2180	* 250	AR	1.9	38 00 02	122 12 31	BENICIA	21 49	FERNANDEZ
190	UCLA	647	W	>40000		A	6.3	38 18 --	123 03 --+	BODEGA HEAD	21 49	
191	LJ	314	C	4250	* 200	SOL	3.4	35 03 30	119 07 51	CONNER SW	41 119	
192	UCLA	118	W	920	* 90	LS	1.5	37 58 42	119 06 24	MONO CRATERS 15'	40 119	
193	LJ	895	T	30950	* 1000	L	10.0	35 02 40	116 22 05	-CAVE MTN 15'	36 119	
194	LJ	958	SMF	13800	* 600	LS	0.0	35 03 13	116 41 02	-ALVORD MTN 15'	36 119	
195	LJ	929	T	8350	* 300	L	--	35 22 00	116 08 23	-BAKER 15'	36 119	
196	LJ	930	T	10870	* 450	L	--	35 22 00	116 08 23	-BAKER 15'	36 119	
197	LJ	931	T	13190	* 500	L	--	35 22 00	116 08 23	-BAKER 15'	36 119	
198	LJ	932	SMF	10260	* 400	L	--	35 22 00	116 08 23	-BAKER 15'	36 119	
199	LJ	933	SMF	13670	* 550	L	--	35 22 00	116 08 23	-BAKER 15'	36 119	
200	LJ	934	T	11630	* 500	L	--	35 22 00	116 08 23	-BAKER 15'	36	
201	LJ	935	T	9160	* 400	L	--	35 22 00	116 08 23	-BAKER 15'	36	
202	UGA	447	C	9020	* 270	SOL	7.5	37 50 --	119 44 30	HETCH HETCHY RES 15'	10 86	
203	UGA	452	W	9480	* 90	SOL	10.0	37 50 --	119 44 30	HETCH HETCHY RES 15'	10 86	
204	UGA	448	W	2830	* 65	--	2.5	37 50 --	119 44 30	HETCH HETCHY RES 15'	10 86	
205	I	4151	W	260	* 90	T	3.7	41 27 00	123 53 40	-TECTAH CREEK 15'	18	
206	I	4152	W	280	* 90	T	3.7	41 27 00	123 53 40	-TECTAH CREEK 15'	18	
207	LJ	3927	C	>39000		F	0.0	38 28 13	122 42 23	SANTA ROSA	32	
208	LJ	3088	P	300	* 50	EI	.23	36 50 --	121 45 --	MOSS LANDING	33	
209	LJ	3091	P	990	* 50	EI	.7	36 50 --	121 45 --	MOSS LANDING	33	
210	LJ	3096	P	2460	* 50	EI	2.65	36 50 --	121 45 --	MOSS LANDING	33	
211	LJ	3097	PC	460	* 50	EI	.5	38 02 --	122 53 --	DRAKES BAY	33	
212	LJ	3098	PCS	470	* 50	EI	.54	38 02 --	122 53 --	DRAKES BAY	33	
213	USGS	33A	T	14300	* 200	L	--	35 50 48	117 18 24	-TRONA 15'	35	
214	USGS	33B	T	12800	* 150	L	--	35 50 48	117 18 24	-TRONA 15'	35	
215	W	892	CM	12390	* 400	L	6.7	35 42 30	117 19 00	SEARLES LAKE	46 119	
216	SM	1-8	O	22400	* 1000	L	20-20.2	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
217	SM	33	O	22800	* 1400	L	26-26.2	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
218	SM	34	O	>30000		L	39-40	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
219	SM	35	O	22600	* 1400	L	24.8-25	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
220	SM	36	O	10270	* 450	L	8-8.1	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
221	SM	50	O	11400	* 600	L	10-10.1	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
222	SM	50C	CA	9900	* 500	L	10-10.1	35 43 --	117 17 --	SEARLES LAKE	47 63 119	
223	USGS	87	W	310	* 45	A	--	40 52 00	122 48 40	TRINITY DAM 15'	35	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
224	LJ	1354	W	200	* 100	LS	0.0	40 35 --	120 45 --+	ANTELOPE MTN 15'	2	
225	LJ	501	W	440	* 110	LS	0.0	40 33 --	120 47 --	ANTELOPE MTN 15'	14	
226	LJ	503	W	4790	* 200	LS	1.07	38 56 --	120 04 --	EMERALD BAY	14	
227	UCR	148	W	1915	* 150	AR	--	40 47 --	122 17 --	LAMOINE 15'	4	POTTER CREEK CAVE
228	W	1579	W	5480	* 300	A	7.2-7.3	37 24 47	122 13 29	PALO ALTO	3 49	
229	I	2007	C	2130	* 105	AR	1.8	41 12 --	120 01 --	-SNAKE LAKE	1	BARE RANCH
230	LJ	76	C	2350	* 150	AR	.6-.9	40 33 45	120 19 30	-KARLO 15'	48	KARLO
231	M	752	W	1750	* 500	AR	2.8	38 31 --	121 31 --	SACRAMENTO WEST	24 49	ROEDER
232	I	2287	C	7030	* 130	G	.3	37 35 --	118 59 42	MT MORRISON 15'	80 15	
233	I	2341	P	1550	* 105	G	2.0	38 50 --	120 01 30	ECHO LAKE	15	
234	I	2342	P	2280	* 125	G	3.0	38 50 --	120 01 30	ECHO LAKE	15	
235	I	2343	P	2840	* 115	G	4.0	38 50 --	120 01 30	ECHO LAKE	15	
236	UCLA	755	PF	11600	* 160	AR	--	36 23 --	116 36 --	-RYAN 15'	12	NEOTOMA
237	WSU	1474	P	3020	* 120	L	5.9-6.0	36 57 --	117 54 --	-WAUCOBA WASH 15'	5	
238	WSU	1466	P	3920	* 120	L	7.9-8.1	36 57 --	117 54 --	-WAUCOBA WASH 15'	5	
239	WSU	1464	P	5060	* 140	L	11.3-.4	36 57 --	117 54 --	-WAUCOBA WASH 15'	5	
240	UM	2149	W	610	* 80	A	--	39 18 41	121 36 05	HONCUT	7	
241	BETA	1649	W	1625	* 90	A	2.5	39 18 41	121 35 59	HONCUT	81	
242	BETA	1650	W	625	* 60	SOL	1.2	39 18 14	121 33 35	HONCUT	81	
243	BETA	1651	BK	450	* 45	A	2.1	39 19 59	121 30 11	HONCUT	81	
244	BETA	1652	W	1110	* 95	A	.96	39 19 02	121 29 43	LOMA RICA	81	
245	BETA	1653	W	595	* 70	A	.4	39 19 59	121 30 11	HONCUT	81	
246	BETA	1654	C	1045	* 95	A	2.8	39 19 24	121 31 15	HONCUT	81	
247	BETA	1655	BK	1775	* 110	A	.47	39 19 25	121 29 00	LOMA RICA	81	
248	BETA	1656	O	605	* 45	A	.25	39 18 41	121 36 05	HONCUT	81	
249	M	866	WAR	510	* 150	AR	1.4	38 18 --	121 28 30	COURTLAND	49 27	HOLLISTER
250	M	885	W	250	* 150	AR	.9	38 18 --	121 28 30	COURTLAND	49 76	HOLLISTER
251	CHGO	691	C	2410	* 200	AR	.9	38 18 30	121 22 27	GALT	49 71	JOHNSON
252	M	648	C	620	* 200	AR	--	38 18 30	121 22 27	GALT	49 70	JOHNSON
253	CHGO	440	C	4052	* 160	AR	--	38 14 30	121 26 50	THORNTON	49 69	BLOSSOM
254	M	645	C	4100	* 250	AR	--	38 14 30	121 26 50	THORNTON	49 70	BLOSSOM
255	M	647	B	4350	* 250	AR	1.3	38 14 30	121 26 50	THORNTON	49 70	BLOSSOM
256	CHGO	689	C	1229	* 200	AR	--	37 59 --	121 38 --	BRENTWOOD	49 72	HOTCHKISS
257	M	865	WAR	925	* 150	AR	1.4	37 59 --	121 38 --+	BRENTWOOD	49 27	HOTCHKISS
258	M	884	W	500	* 150	AR	.5	37 59 --	121 38 --+	BRENTWOOD	49 27	HOTCHKISS
260	W	1145	W	14350	* 400	A	22.3	37 20 18	118 52 05	SAN JOSE EAST	49 88	
261	I	5745	W	>32900		--	--	37 12 04	121 59 13	LOS GATOS	49	
262	LA	768C	SM	>37000		EI	--	38 13 05	122 57 07	TOMALES	49 73	
263	LA	720A	SM	34500	* 3000	EI	--	38 13 05	122 57 07	TOMALES	49 73	
264	UCLA	736	PF	29050	* 1100	--	12.2	38 07 --	122 52 --	INVERNESS	49 11 54	
265	UCLA	735	W	10170	* 120	A	6.4-9.7	37 37 --	122 25 30+	MONTARA MTN	49 11	
266	LA	285	SM	>37000		TM	--	36 57 18	122 01 40	SANTA CRUZ	49 68 89	
267	CHGO	186	C	720	* 130	AR	--	38 00 --	122 28 --	PETALUMA POINT	49 69	THOMAS
268	LA	227	PF	>27000		--	31.8	37 47 40	122 25 13	SAN FRANCISCO NORTH	49 68	
269	LA	187A	C	2700	* 350	AR	2.0	37 28 30	122 08 10	PALO ALTO	49 68 121	UNIVERSITY VILLAGE
270	LA	187B	C	3150	* 300	AR	2.0	37 28 30	122 08 10	PALO ALTO	49 68 121	UNIVERSITY VILLAGE
271	UCLA	1425	BH	4400	* 270	A	5.0	37 26 26	122 10 34	PALO ALTO	49	
272	UCLA	1425	BH	4350	* 125	A	5.0	37 26 26	122 10 34	PALO ALTO	49	
273	GX	1049	W	1685	* 85	AR	16.7	37 33 --	122 04 30	NEWARK	49	COYOTE HILLS
274	CHGO	690	C	2339	* 150	AR	3.3	37 33 --	122 04 30	NEWARK	49 71	PATTERSON
275	LA	--	C	2445	* 250	AR	2.4-2.7	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
276	LA	--	C	3205	* 300	AR	3.3-3.6	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
277	LA	--	C	2875	* 300	AR	3.6-3.9	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
278	LA	--	C	3595	* 250	AR	3.9-4.3	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
279	LA	--	C	3855	* 450	AR	3.9-4.3	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
280	LA	--	C	3135	* 300	AR	4.6-4.9	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY
281	LA	--	C	3195	* 250	AR	4.9-5.2	37 52 06	122 18 03	OAKLAND WEST	49	WEST BERKELEY

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE		ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
282	SM	3-6	OS	9955	*	330	EI	19.6-.7	37 56 45	122 27 55	SAN QUENTIN	49 75	
283	SM	4-3	OS	8588	*	620	EI	7.8-7.9	37 56 14	122 25 25	SAN QUENTIN	49 75	
284	SM	5-8	OS	>30000			EI	18.1	37 53 15	122 21 55	RICHMOND	49 75	
285	SM	6-2	OS	6210	*	175	EI	3.3-3.5	37 50 52	122 21 06	OAKLAND WEST	49 75	
286	SM	6-3	OS	7925	*	810	EI	6.2-6.3	37 50 52	122 21 06	OAKLAND WEST	49 75	
287	SM	6-11	OS	>30000			EI	18.1	37 50 52	122 21 06	OAKLAND WEST	49 75	
288	SM	6-13	OS	>30000			EI	21.0-.1	37 50 52	122 21 06	OAKLAND WEST	49 75	
289	I	7	S	2420	*	180	EI	.6	37 37 47	122 15 22	HUNTERS POINT	49 74	
290	I	6	S	2300	*	150	EI	1.5	37 36 45	122 16 22	SAN MATEO	49 74	
291	I	5	S	5730	*	220	EI	9.7	37 36 45	122 16 22	SAN MATEO	49 74	
292	I	1	P	7360	*	320	EI	15.2	37 36 45	122 16 22	SAN MATEO	49 74	
293	I	3	P	5815	*	200	EI	6.1	37 35 42	122 12 24	REDWOOD POINT	49 74	
294	I	4	P	4658	*	200	EI	5.9	37 35 42	122 11 47	REDWOOD POINT	49 74	
295	I	2	P	6150	*	275	EI	7.0	37 34 38	122 11 17	REDWOOD POINT	49 74	
296	I	6475	PM	3360	*	105	EI	7.9	37 30 40	122 06 27	NEWARK	50	
297	I	6976	P	9330	*	150	EI	34.4	37 45 08	122 20 19	OAKLAND WEST	50	
298	I	6978	W	9670	*	155	EI	39.9	37 45 08	122 21 --	OAKLAND WEST	50	
299	I	6979	P	>40000			EI	56.7	37 45 08	122 20 19	OAKLAND WEST	50	
300	I	7730	P	9620	*	155	EI	34.4	37 44 36	122 21 59	HUNTERS POINT	50 81	
301	I	7731	PM	8160	*	250	EI	37.0	37 44 41	122 21 22	HUNTERS POINT	50 81	
302	I	7732	PM	8365	*	135	EI	18.7	37 34 54	122 15 18	SAN MATEO	50 81	
303	I	7733	W	10700	*	155	EI	22.3	37 35 14	122 14 57	REDWOOD POINT	50 81	
304	I	7734	PM	6855	*	115	EI	9.2	37 36 22	122 11 55	REDWOOD POINT	50	
305	I	7742	PM	3930	*	105	EI	6.6	37 37 01	122 09 34	REDWOOD POINT	50	
306	I	7743	PM	6200	*	320	EI	10.8	37 30 11	122 07 12	NEWARK	50	
307	I	7746	PM	5845	*	100	EI	11.4	37 29 54	122 07 34	PALO ALTO	50	
308	I	7747	PM	5745	*	185	EI	9.0	37 30 45	122 06 25	NEWARK	50	
309	I	7814	W	9255	*	310	EI	39.5	37 44 41	122 21 22	HUNTERS POINT	50	
310	I	7817	P	8885	*	145	EI	32.5	37 41 39	122 21 41	HUNTERS POINT	50	
311	I	7820	PM	8295	*	135	EI	21.0	37 44 --	122 17 47	HUNTERS POINT	50	
312	I	7824	PM	6485	*	110	EI	11.8	37 45 16	122 15 07	OAKLAND WEST	50	
313	I	7934	PM	8230	*	135	EI	24.6	37 45 41	122 17 13	OAKLAND WEST	50	
314	I	7939	P	9280	*	155	EI	37.5	37 45 07	122 21 42	OAKLAND WEST	50	
315	I	7940	P	>40000			EI	27.5	37 45 08	122 19 31	OAKLAND WEST	50	
316	I	7941	W	8735	*	270	EI	28.0	37 45 08	122 20 19	OAKLAND WEST	50	
317	I	8088	W	8905	*	275	EI	18.3	37 30 40	122 06 27	NEWARK	50	
318	LJGP	43	S	340	*	130	EAR	3.4-4.8	38 11 41	122 56 05	TOMALES	2 49	
319	LJGP	48	SO	1020	*	150	EI	.7-.75	38 06 48	122 51 22	INVERNESS	2 49	
320	LJGP	47	SO	1200	*	160	EI	6.1	38 07 46	122 52 24	POINT REYES NE	2 49	
321	LJGP	46	SG	1700	*	190	EI	6.4-7.5	38 10 48	122 54 54	TOMALES	2 49	
322	LJGP	44	SO	3300	*	180	EIF	16.6-.9	38 08 50	122 53 41	TOMALES	2 49	
323	LJGP	45	SO	>35000			EI	27-28.6	38 14 24	122 57 51	TOMALES	2 49	
324	UCLA	126	C	390	*	70	AR	.5	41 30 --	121 -- --	- --	51	LORENZEN
325	UCLA	125	C	1470	*	60	AR	1.2	41 30 --	121 -- --	- --	51	LORENZEN
326	UCLA	127	C	3300	*	100	AR	1.9	41 30 --	121 -- --	- --	51	LORENZEN
327	W	2232	P	4600	*	600	--	.08	40 32 30	121 29 30+	PROSPECT PEAK 15'	34	
328	W	2231	P	5400	*	600	--	>.08	40 32 30	121 29 30+	PROSPECT PEAK 15'	34	
329	BETA	1601	CPF	3885	*	135	A/O	--	38 04 40	121 16 55	LODI SOUTH	7	
330	WSU	1464	HU	5000	*	140	L	11.3-.4	36 57 --	117 54 --	-WAUCOBA WASH 15'	5	
331	GX	2581	P	3315	*	150	EI	6.1	38 07 --	121 29 --	TERMINOUS	45 84	
332	GX	2582	P	3900	*	140	EI	6.1	38 03 30	121 47 --	ANTIOCH NORTH	45 84	
333	GX	2583	P	3090	*	190	EI	6.1	38 07 --	121 41 --	JERSEY ISLAND	45 84	
334	GX	2575	P	4340	*	195	EI	9.1	38 04 --	121 43 --	JERSEY ISLAND	45 84	
335	GX	2579	P	4675	*	200	EI	9.1	38 06 30	121 35 15	BOULDIN ISLAND	45 84	
336	GX	2576	P	6635	*	320	EI	12.2	38 04 --	121 43 --	JERSEY ISLAND	45 84	
337	GX	2577	P	6805	*	350	EI	15.2	38 04 --	121 43 --	JERSEY ISLAND	45 84	
338	GX	2932	P	860	*	170	EI	.9	38 05 30	121 29 30	TERMINOUS	45	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
339	GX	2933	P	2420	* 140	EI	2.4	38 05 30	121 29 30	TERMINOUS	45	
340	GX	2934	P	3575	* 260	EI	4.0	38 05 30	121 29 30	TERMINOUS	45	
341	A	544	OS	2920	* 200	SW	.6-.7	38 50 45	120 02 30+	ECHO LAKE	8 52 53 61	
342	A	545	OS	9990	* 800	SW	3-3.1	38 50 45	120 02 30+	ECHO LAKE	8 52 53 61	
343	UM	2157	P	2725	* 105	A	2.0	34 52 37	118 39 40	WINTERS RIDGE	85	
344	UM	2155	P	3955	* 100	A	3.0	34 52 37	118 39 40	WINTERS RIDGE	85	
345	UCLA	276	OS	950	* 70	AR	.5-.6	37 45 --	119 45 --	YOSEMITE 15'	53	
346	UCLA	277	OS	1580	* 80	AR	.9-1.1	37 45 --	119 45 --	YOSEMITE 15'	53	
347	UCLA	278	OS	2040	* 100	AR	1.2-1.3	37 45 --	119 45 --	YOSEMITE 15'	53	
348	UCLA	966	W	26700	* 800	T	--	34 55 --	120 39 --+	POINT SAL	11	
349	UCLA	997	W	9540	* 120	A	8.0	40 21 --	124 00 --+	BULL CREEK	54 11 59	
350	UCLA	998	W	9500	* 120	A	16.0	40 21 --	124 00 --+	BULL CREEK	54 11	
351	UCLA	999	W	9450	* 120	A	31.0	40 21 --	124 00 --+	BULL CREEK	54 11 59	
352	WSU	1685	C	100	* 10	C	.6	38 57 49	121 08 00	GOLD HILL	55 52	
353	WSU	1683	C	9130	* 170	A	2.4	38 50 48	121 07 12	PILOT HILL	59 52 55	
354	WSU	1686	C	760	* 100	A	.6	38 50 41	121 07 12	PILOT HILL	55 52	
355	WSU	1687	CSL	385	* 100	A	.8	38 50 41	121 07 12	PILOT HILL	55 52	
356	I	--	C	245		A	.3	38 05 25	120 45 17	JENNY LIND	52	
357	I	--	C	1065	* 170	A	.6	38 05 25	120 45 17	JENNY LIND	52	
358	I	--	C	1280	* 115	A	2.0	38 05 25	120 45 17	JENNY LIND	52	
359	I	--	C	1325	* 170	A	1.2	38 05 25	120 45 17	JENNY LIND	52 56	
360	GX	--	C	1295	* 120	C	--	37 59 50	120 40 59	COPPEROPOLIS	52	
361	GX	--	SOL	1510	* 100	A	.2	37 55 45	120 33 47	MELONES DAM	52	
362	GX	--	SOL	4490	* 205	A	1.4	37 55 45	120 33 47	MELONES DAM	52	
363	GX	--	C	< 200		A	.45	37 57 29	120 26 45	SONORA	52	
364	I	--	W	320	* 85	C	.5-.6	37 57 29	120 26 45	SONORA	52	
365	I	--	SOL	2195	* 85	A	.5-.6	37 57 29	120 26 45	SONORA	52	
366	GX	--	SOL	970	* 130	A	.6	37 51 43	120 29 41	CHINESE CAMP	52	
367	GX	--	SOL	3190	* 170	A	1.2	37 51 43	120 29 41	CHINESE CAMP	52	
368	I	--	C	< 200		A	.3	38 13 03	120 45 17	VALLEY SPRINGS	52	
369	USGS	191	C	300	* 40	C	.2-.3	38 52 15	121 03 45	PILOT HILL	56	
370	USGS	211	W	270	* 55	C	.9	38 52 15	121 03 45	PILOT HILL	56	
371	GX	1926	C	2020	* 160	T	--	37 53 --	121 15 --	STOCKTON WEST	57	
372	GX	1925	B	2985	* 160	T	--	37 53 --	121 15 --	STOCKTON WEST	57	
373	GX	2191	C	3020	* 130	T	1.6	39 25 --	121 38 --	BIGGS	57 7	
374	GX	2127	SOL	3890	* 220	A	2.0-4.0	38 33 --	121 40 --	DAVIS	58	
375	GX	2128	SOL	4330	* 180	A	2.0-4.0	38 33 --	121 40 --	DAVIS	58	
376	GX	2129	SOL	9150	* 650	A	4.0	38 33 --	121 40 --	DAVIS	58	
377	UGA	621	W	8960	* 90	SOL	3.1	37 03 --	119 06 --	HUNTINGTON LAKE 15'	10	
378	UGA	620	W	8705	* 95	SOL	6.1	36 43 30	118 38 --+	TRIPLE DIVIDE PK 15'	86 10	
379	UGA	623	C	10185	* 105	SOL	6.7	36 43 30	118 38 --+	TRIPLE DIVIDE PK 15'	86 10	
380	UGA	622	W	9855	* 100	--	3.1	37 04 --	119 06 --	HUNTINGTON LAKE 15'	86 10	
381	UGA	604	W	3320	* 85	V	3.1	36 58 47	119 00 49	PATTERSON MTN 15'	10	
382	UGA	605	W	3770	* 65	V	5.8	36 58 47	119 00 49	PATTERSON MTN 15'	10	
383	UGA	602	W	760	* 60	V	.3	37 03 --	119 05 55	HUNTINGTON LAKE 15'	10	
384	UGA	603	W	710	* 60	V	--	37 52 --	119 00 15	MONO CRATERS 15'	10	
385	I	6049	C	1545	* 90	V	.3	37 50 --	119 44 30	HETCH HETCHY RES 15'	86	
386	UGA	674	W	7705	* 90	--	3.8	37 26 --	119 28 48	SHUTEYE PEAK 15'	86	
387	UGA	675	C	3930	* 80	A	1.1	37 52 --	119 22 --	TUOLUMNE MEADOWS 15'	86	
388	USGS	665	W	830	* 55	A	3.4-3.6	39 27 29	122 01 00	PRINCETON	6	
389	USGS	666	W	4060	* 150	A	7.8-8.0	39 27 29	122 01 00	PRINCETON	6	
390	UM	1656	C	9540	* 230	AFS	.4	37 06 55	122 18 40	ANO NUEVO	60	
391	UM	1657	C	10790	* 380	AFS	.2	37 06 55	122 18 40	ANO NUEVO	60	
392	UM	1658	P	10670	* 220	FS	--	37 06 55	122 18 40	ANO NUEVO	60	
393	UM	1659	C	8460	* 210	AFS	--	37 06 55	122 18 40	ANO NUEVO	60	
394	BETA	1047	P	9990	* 125	AFS	.2	37 06 55	122 18 40	ANO NUEVO	60	
395	BETA	1048	C	8085	* 110	AFS	.1	37 06 55	122 18 40	ANO NUEVO	60	

ID NO	LAB	NO	MAT	DATE		ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE			
396	BETA	1049	P	8700	*	125	FS	--	37 06 55	122 18 40	ANO NUEVO	60	
397	BETA	1050	C	8465	*	140	AFS	--	37 06 55	122 18 40	ANO NUEVO	60	
398	A	728	P	6990	*	300	SW	1.73	38 50 45	120 02 30	ECHO LAKE	53	
399	UM	1464	S	7340	*	100	TM	--	34 28 35	120 15 08	SACATE	60	
400	UM	1545	S	42185	+	2530	TM	--	35 12 30	120 50 30	PORT SAN LUIS	60	
400	UM	1545	S	42185	-	1920	TM	--	35 12 30	120 50 30	PORT SAN LUIS	60	
401	BETA	1052	C	13620	*	205	A/T	2.0	33 43 45	118 21 --	-SAN PEDRO	60	
402	UCLA	259	C	4451	*	400	AR	5.0	37 51 --	122 01 26+	LAS TRAMPAS RIDGE	49	21
403	GX	2578	OC	10475	*	500	EI	17.0	38 04 --	121 43 --	JERSEY ISLAND	45	84
404	LJ	612	W	450	*	200	M	--	41 16 00	122 05 00	SHASTA 15'	36	
405	BETA	1039	S	1795	*	70	B/T	--	40 07 51	124 11 08	SHUBRICK PEAK	60	
406	BETA	1040	SM	1355	*	65	B/T	--	40 07 51	124 11 08	SHUBRICK PEAK	60	
407	BETA	1041	SM	1660	*	70	B	--	40 07 51	124 11 08	SHUBRICK PEAK	60	
408	GX	6527	OC	9455	*	325	L	1.8-1.9	38 22 30	120 08 20	BIG MEADOW 15'	39	90
409	GX	6528	OC	10965	*	440	L	2.3-2.5	38 22 30	120 08 20	BIG MEADOW 15'	39	90
410	GX	6531	ORF	15565	*	820	G	3.2-3.3	38 22 30	120 08 20	BIG MEADOW 15'	39	90
411	UM	1462	C	35170	+	1445	EI	1.2-1.5	40 42 30	124 12 30	FIELDS LANDING	60	
411	UM	1462	C	35170	-	1225	EI	1.2-1.5	40 42 30	124 12 30	FIELDS LANDING	60	
412	UM	1466	S	27105	+	590	EI	1.2-1.5	40 42 30	124 12 30	FIELDS LANDING	60	
412	UM	1466	S	27105	-	550	EI	1.2-1.5	40 42 30	124 12 30	FIELDS LANDING	60	
413	UM	1467	SM	2810	*	95	B	0.0	40 07 51	124 11 08	SHUBRICK PEAK	60	
414	UM	1468	MW	2120	*	80	B	0.0	40 07 51	124 11 08	SHUBRICK PEAK	60	
415	UM	1469	SM	8910	*	110	B	0.0	40 07 51	124 11 08	SHUBRICK PEAK	60	
416	UM	1471	SM	355	*	70	B	--	40 07 51	124 11 08	SHUBRICK PEAK	60	
417	UM	1472	SM	240	*	70	B	0.0	40 07 51	124 11 08	SHUBRICK PEAK	60	
418	UM	1473	SM	580	*	85	B	0.0	40 07 51	124 11 08	SHUBRICK PEAK	60	
419	UM	1474	SM	3390	*	85	TM	7.6	40 20 00	124 21 15	PETROLIA	60	
420	UM	1587	W	3130	*	100	TM	--	40 24 54	124 23 44	CAPE MENDOCINO	60	
421	UM	1630	P	1030	*	75	EI	3.1-3.3	37 15 00	122 24 15	PIGEON POINT	60	
422	UM	1654	S	3342	*	60	TM	2.0	40 25 05	124 23 50	CAPE MENDOCINO	60	
423	UM	1655	SM	4687	*	70	AR	--	35 10 43	120 44 18	PISMO BEACH	60	
424	I	502	C	1280	*	125	AR	--	42 01 --	122 10 --	-MACDOEL 15'	37	SALT CAVES DAM
425	W	1069	C	1380	*	250	AC	1.8	37 19 --	118 03 --+	-BLANCO MTN 15'	13	
426	USGS	67	CA	7700	*	75	L	--	35 50 48	117 18 24	-TRONA 15'	35	
427	UCR	151	W	2010	*	150	AR	--	40 47 --	122 17 --	LAMOINE 15'	4	POTTER CREEK CAVE
429	USGS	453	P	9580	*	65	EI	36.0	37 58 --	122 26 --	SAN QUENTIN	6	
430	USGS	493	PC	37500	*	60	EM	28-29	37 44 --	122 16 --	HUNTERS POINT	6	
431	USGS	119	SOL	1170	*	55	G	.26	37 23 42	118 48 15	MT ABBOT 15'	25	
432	USGS	120	SOL	700	*	60	G	.09-.11	37 23 42	118 48 15	MT ABBOT 15'	25	
433	USGS	121	SOL	1740	*	35	G	.16-.18	37 23 42	118 48 15	MT ABBOT 15'	25	
434	USGS	122	SOL	7120	*	45	G	.27-.29	37 23 42	118 48 15	MT ABBOT 15'	25	
435	USGS	698	W	3090	*	60	G	--	37 34 24	118 59 42	MT MORRISON 15'	25	
436	W	2981	W	1040	*	250	V	--	37 39 05	119 03 20	DEVILS POSTPILE 15'	30	
437	W	1431	W	650	*	200	V	--	37 41 --	119 00 30+	DEVILS POSTPILE 15'	30	
438	W	2228	C	1000	*	300	V	--	40 30 24	121 30 30+	MANZANITA LAKE 15'	34	
439	W	2235	C	1000	*	300	V	--	40 32 --	121 35 --	MANZANITA LAKE 15'	34	
440	W	2261	C	1010	*	250	V	--	40 32 30	121 29 --+	PROSPECT PEAK 15'	34	
441	W	2257	C	1200	*	300	V	--	40 31 --	121 32 --	MANZANITA LAKE 15'	34	
442	W	2230	W	< 200			V	--	40 32 30	121 29 --	PROSPECT PEAK 15'	34	
443	W	2259	C	>32000			V	--	40 32 30	121 35 --	MANZANITA LAKE 15'	34	
444	W	2814	C	9230	*	300	V	--	41 22 --	122 23 --	WEED 15'	34	
445	W	1544	W	970	*	200	V	--	41 35 15	121 27 30	-TIMBER MTN 15'	3	
446	W	1549	C	90	*	200	V	--	41 36 17	121 31 15	MEDICINE LAKE 15'	3	
447	W	1547	C	380	*	200	V	--	41 36 17	121 31 15	MEDICINE LAKE 15'	3	
448	W	1545	W	130	*	200	V	--	41 35 20	121 31 --	MEDICINE LAKE 15'	3	
449	W	1546	C	190	*	200	V	--	41 37 15	121 28 51	-TIMBER MTN 15'	3	
450	W	1551	C	390	*	200	V	--	41 35 --	120 29 20	-TIMBER MTN 15'	3	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
451	W	1679	OL	11020	* 400	L	--	35 35 40	117 23 45	SPANGLER HILLS EAST	3	
452	W	1680	OL	11820	* 400	L	--	35 35 40	117 23 45	SPANGLER HILLS EAST	3	
453	W	1575	SM	29200	* 2000	L	--	35 40 00	117 24 54	WESTEND	3	
455	W	759	C	510	* 160	V	--	40 33 30	121 18 25	PROSPECT PEAK 15'	9	
456	W	758	C	1320	* 200	V	--	40 32 24	121 29 30	PROSPECT PEAK 15'	9	
457	W	812	W	< 200		V	1.1	40 31 30	121 33 30	MANZANITA LAKE 15'	9	
458	UCLA	989	O	10020	* 120	A	1.2-1.8	36 24 --	117 24 --+	-PANAMINT BUTTE 15'	11	
459	UCLA	990	C	10520	* 140	A	.35	36 24 --	117 24 --+	-PANAMINT BUTTE 15'	11	
460	UCLA	1110I	T	16600	* 1000	L	--	36 09 12	117 16 20	-MATURANGO PEAK 15'	11	
461	UCLA	11100	T	13400	* 200	L	--	36 09 12	117 16 20	-MATURANGO PEAK 15'	11	
462	UCLA	1118I	T	24500	* 1000	L	--	36 26 --	117 24 --	-PANAMINT BUTTE 15'	11	
463	UCLA	11180	T	12500	* 800	L	--	36 26 --	117 24 --	-PANAMINT BUTTE 15'	11	
464	UCLA	1121I	T	8000	* 500	L	--	35 39 --	117 30 --	WESTEND	11	
465	UCLA	11210	T	3150	* 150	L	--	35 39 --	117 30 --	WESTEND	11	
466	UCLA	1123I	T	13450	* 100	L	--	36 26 --	117 24 --	-PANAMINT BUTTE 15'	11	
467	UCLA	11230	T	12000	* 260	L	--	36 26 --	117 24 --	-PANAMINT BUTTE 15'	11	
468	UCLA	1125I	T	10150	* 1000	L	--	35 39 --	117 21 --	SEARLES LAKE	11	
469	W	936	C	200	* 200	V	--	41 31 --	121 30 --+	MEDICINE LAKE 15'	13	
470	W	933	C	220	* 200	V	--	41 31 --	121 30 --+	MEDICINE LAKE 15'	13	
471	W	935	C	320	* 200	V	0.0	41 31 --	121 30 --+	MEDICINE LAKE 15'	13	
472	W	934	C	200	* 200	V	--	41 31 --	121 30 --+	MEDICINE LAKE 15'	13	
473	I	2352	C	1070	* 100	AR	--	40 48 50	124 09 50+	EUREKA	15	GUNTHER ISLAND
474	I	3168	C	335	* 85	AR	--	39 32 --	121 32 45	OROVILLE	15	
475	LJ	606	W	< 300		LS	--	40 33 --	120 47 --	ANTELOPE MTN 15'	36	
476	LJ	610	W	< 300		LS	--	40 33 --	120 47 --	ANTELOPE MTN 15'	36	
477	LJ	649	W	< 300		LS	--	40 33 --	120 47 --	ANTELOPE MTN 15'	36	
478	I	443	SMF	13150	* 350	LS	--	35 21 27	116 09 --	-BAKER 15'	36 41	
479	I	444	SMF	10000	* 300	LS	--	35 21 27	116 09 --	-BAKER 15'	36 41	
480	BETA	2344	W	2940	* 140	AFB	3.0-3.6	38 36 40	121 30 50	SACRAMENTO WEST	6	
481	I	--	P	3225	* 190	L	3.6	38 50 03	120 01 57	ECHO LAKE	62	
482	I	--	P	1550	* 105	L	2.0	38 50 03	120 01 57	ECHO LAKE	62	
483	W	340	W	26700	* 2000	L	34.6	35 43 --	117 17 --	SEARLES LAKE	63 66	
484	W	341	CA	23000	* 1400	L	34.6	35 43 --	117 17 --	SEARLES LAKE	63 66	
485	W	343	OM	29500	* 2000	L	34.6	35 43 --	117 17 --	SEARLES LAKE	63 66	
486	CHGO	695	C	1840	* 400	AR	3.0	35 53 37	121 27 40	CAPE SAN MARTIN	64	
487	CHGO	673	W	1360	* 240	V	--	41 35 --	121 35 --	MEDICINE LAKE 15'	64	
488	M	121	C	2200	* 400	AR	2.4-2.7	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
489	M	121	C	2700	* 300	AR	2.4-2.7	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
490	M	122	C	3210	* 300	AR	3.3-3.6	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
491	M	123	C	2880	* 300	AR	3.6-3.9	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
492	M	124	C	3500	* 300	AR	3.9-4.2	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
493	M	124	C	3700	* 350	AR	3.9-4.2	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
494	M	125	C	3860	* 450	AR	3.9-4.2	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
495	M	126	C	3140	* 300	AR	4.5-4.8	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
496	M	127	C	2700	* 400	AR	4.8-5.2	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
497	M	127	C	3700	* 300	AR	4.8-5.2	37 52 06	122 18 03	OAKLAND WEST	65 49	WEST BERKELEY
498	W	362	W	>33000		L	--	39 00 06	122 40 --	CLEARLAKE OAKS	66	
499	W	436	W	2240	* 250	A	8.5	38 33 07	121 31 05	SACRAMENTO WEST	66	
500	CHGO	628	C	1879	* 250	AR	3.0	35 53 37	121 27 40	CAPE SAN MARTIN	67	
501	UW	2	C	780	* 60	V	1.2	41 37 30	121 25 48	-TIMBER MTN 15'	77	
502	W	1279	W	>42000		--	10.0	38 18 --	123 03 --	BODEGA HEAD	49	
503	W	1279	W	>42000		--	12.8	38 18 --	123 03 --	BODEGA HEAD	49	
504	W	1279	W	>42000		--	13.3	38 18 --	123 03 --	BODEGA HEAD	49	
505	I	6517	W	3350	* 95	L	2.3-2.4	38 50 03	120 01 57	ECHO LAKE	87	
506	I	7754	OS	15510	* 340	L	21.03	39 03 55	122 49 10	LUCERNE	104 87	
507	W	3200	W	28320	* 1000	L	24.5-.6	39 03 12	122 50 25	LUCERNE	104 87	
508	I	8369	W	24910	* 540	L	30.4	39 03 12	122 50 25	LUCERNE	104 87	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
509	I	8370	W	17440	* 510	L	34.8	39 03 12	122 50 25	LUCERNE	104 87	
510	W	3198	OS	27490	* 1000	L	37.8-.9	39 03 12	122 50 25	LUCERNE	104 87	
511	W	3205	W	33200	* 1000	L	57.3-.4	39 03 12	122 50 25	LUCERNE	104 87	
512	W	3206	W	27540	* 1000	L	59.1	39 03 12	122 50 25	LUCERNE	104 87	
513	W	3217	OS	15010	* 550	L	24.4-.5	39 04 47	122 48 40	LUCERNE	104 87**	
514	W	3220	OS	24080	* 1000	L	21.7-.8	39 00 45	122 45 45	LUCERNE	104 87	
515	W	3213	OS	13650	* 450	L	8.1-8.2	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
516	W	3221	OS	13200	* 400	L	8.8-8.9	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
517	I	7755	OS	13090	* 210	L	10.1	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
518	W	3218	OS	25890	* 1000	L	16.2-.3	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
519	W	3199	OS	34070	* 1000	L	17.7-.8	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
520	W	3225	OS	29810	* 1000	L	19.8-20	39 00 48	122 42 08	CLEARLAKE OAKS	104 87	
521	I	7719	P	11330	* 330	L	7.62	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87 81	
522	W	3071	PM	11700	* 250	L	8.2-8.3	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
523	W	3072	P	12280	* 250	L	8.7-8.8	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
524	W	3073	PSI	13160	* 300	L	9.8-10	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
525	W	3063	PC	14900	* 300	L	11.2-.3	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
526	I	7756	PM	17660	* 330	L	12.2-.3	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
527	W	3064	PM	17470	* 300	L	12.7-.8	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
528	W	3066	P	18340	* 300	L	13.2-.3	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
529	W	3068	PM	19110	* 300	L	14.1-.2	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
530	W	3069	P	21210	* 400	L	15.3-.4	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
531	W	3070	P	26150	* 600	L	16.7-.8	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
532	I	7928	CM	23900	* 640	L	17.1-.2	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
533	I	7932	CM	23300	* 600	L	17.2-.3	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87	
534	I	7718	P	>40000		L	27.44	38 59 27	122 43 00	CLEARLAKE HIGHLANDS	104 87 81	
535	W	3214	OS	9850	* 250	L	9.1-9.3	39 06 25	122 51 20	LUCERNE	87	
536	I	6298	W	20820	* 380	EI	6.1	37 25 42	122 05 25	MOUNTAIN VIEW	87 81	
537	I	6476	S	10430	* 150	EI	1.5	37 22 53	122 00 50	MOUNTAIN VIEW	87 81	
538	I	6477	W	23000	* 500	EI	7.0	37 25 42	122 05 25	MOUNTAIN VIEW	87	
539	I	6491	S	7080	* 135	--	3.6	37 25 20	121 55 50	MILPITAS	105 87	
540	I	6492	P	3040	* 95	L	1.8-1.9	37 21 10	122 15 20	LA HONDA	87	
541	I	6493	M	765	* 90	L	1.4-1.5	37 13 30	122 21 20	FRANKLIN POINT	87	
542	I	6625	W	21960	* 520	EI	6.3	37 25 42	122 05 22	MOUNTAIN VIEW	87	
543	I	6676	CA	7690	* 125	A	--	37 23 06	121 59 10	MILPITAS	81	
544	I	6677	W	21600	* 460	EI	7.0	37 25 42	122 05 22	MOUNTAIN VIEW	87	
545	I	6678	W	795	* 90	A	1.5-3.0	37 13 25	122 21 25	FRANKLIN POINT	106	
546	I	6679	W	22340	* 500	EI	4.5	37 25 42	122 05 22	MOUNTAIN VIEW	87 60	
547	I	6844	W	23150	* 520	EI	5.8	37 25 42	122 05 22	MOUNTAIN VIEW	87 60	
548	GX	--	SOL	3370	* 180	AC	.7	37 03 43	121 01 23	SAN LUIS DAM	116 96	
549	USGS	322	OM	29300	* 390	L	70.9-71	39 04 47	122 48 40	LUCERNE	104 87**	
550	USGS	321	OM	16600	* 140	L	26.8-27	39 04 47	122 48 40	LUCERNE	104 87**	
551	USGS	320	OM	14460	* 120	L	22.0	39 04 47	122 48 40	LUCERNE	104 87**	
552	USGS	319	OM	14120	* 160	L	19.7-.9	39 04 47	122 48 40	LUCERNE	104 87**	
553	USGS	227	OS	1480	* 40	LSL	7.5-7.6	37 19 45	122 17 05	LA HONDA	87 98 117	
554	USGS	153	W	29500	* 560	L	3.2	37 05 18	122 15 27	ANO NUEVO	87	
555	USGS	152	OM	270	* 50	L	1.1	37 05 18	122 15 27	ANO NUEVO	87	
556	USGS	193	OC	23500	* 300	L	58.0	39 04 47	122 48 40	LUCERNE	87**	
557	I	7767	OM	1410	* 185	LSL	--	37 23 45	122 11 50	PALO ALTO	107 81 114	
558	I	7768	OS	2190	* 85	L	1.3	37 21 10	122 15 20	LA HONDA	81 87	
559	I	7769	W	31150	* 1400	--	24.3	37 --	122 -- --	-SAN FRANCISCO SOUTH	115 87	
560	I	7808	W	10760	* 150	A	--	37 37 --	122 25 30	MONTARA MTN	81 93	
561	I	7716	C	1220	* 90	T	4.6	36 21 --	121 12 04	GREENFIELD	102 85 81	
562	GX	--	SOL	28200	+ 1700	--	--	37 03 43	121 01 23	SAN LUIS DAM	116 96	
562	GX	--	SOL	28200	- 1300	--	--	37 03 43	121 01 23	SAN LUIS DAM	116 96	
564	I	7809	P	>40000		LSL	--	38 17 40	122 31 08	GLEN ELLEN	92	
565	USGS	160	W	13200	* 160	LSL	12.0-17	38 49 22	122 45 15	THE GYSERS	101	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
566	GX	--	SOL	5685 *	210	AC	.9-1.1	37 03 43	121 01 23	SAN LUIS DAM	116 96	
567	GX	--	SOL	11360 *	300	AC	.7	37 03 43	121 01 23	SAN LUIS DAM	116 96	
568	GX	--	SOL	22960 *	1350	A	--	37 03 43	121 01 23	SAN LUIS DAM	116 96	
569	GX	--	SOL	3395 *	180	AC	.6-.7	37 03 43	121 01 23	SAN LUIS DAM	116 96	
571	I	7556	O	2595 *	85	--	--	38 50 35	120 06 28	ECHO LAKE	81 87	
572	I	7557	O	1155 *	85	--	--	38 50 35	120 06 28	ECHO LAKE	81 87	
573	I	8011	OS	4900 *	150	LSL	3.9	36 53 20	121 32 03	CHITTENDEN	87 91	
574	I	8012	OS	4220 *	120	LSL	6.4	36 54 46	121 31 35	CHITTENDEN	87 91	
576	I	6629	O	15080 *	190	--	3.0-3.1	37 05 18	122 15 27	ANO NUEVO	87	
578	A	962	W	7340 *	380	M	--	38 50 45	120 02 30	ECHO LAKE	87	
579	GAK	1704	GYT	6890 *	160	SW	--	38 50 45	120 02 30	ECHO LAKE	87	
580	GAK	1705	W	9000 *	600	G	1.5-2.0	37 44 07	119 31 48	YOSEMITE 15'	87	
581	USGS	24	W	330 *	70	L	6.1-9.1	38 50 30	120 03 30	ECHO LAKE	87	
582	I	6843	BK	910 *	85	SW	0.0	38 50 45	120 02 30	ECHO LAKE	87	
583	I	6841	P	1145 *	90	SW	.38-.40	38 51 06	120 06 13	ECHO LAKE	87	
584	I	6845	S	>38000		EI	49.0-50	37 27 --	122 06 --	MOUNTAIN VIEW	87	
585	I	6975	C	>40000		--	70.5-75	36 53 30	121 44 --	WATSONVILLE EAST	87	
586	I	6977	C	4460 *	95	AR	--	37 22 45	122 00 50	MOUNTAIN VIEW	81	
587	I	7070	W	3675 *	100	FA	4.5	36 56 25	121 40 20	WATSONVILLE EAST	106	
588	I	7071	OS	1545 *	80	L	1.1	37 21 10	122 15 20	LA HONDA	87	
589	I	7072	P	1345 *	95	SW	.5-.53	38 50 35	120 06 28	ECHO LAKE	87	
590	I	7073	O	2530 *	105	AR	2.0-2.3	37 50 15	122 17 30	OAKLAND WEST	108	EMERYVILLE
591	I	7074	C	>40000		AC	35.2	39 25 40	122 38 00	PRINCETON	81 99	
592	I	7200	S	1440 *	85	AR	1.4-1.5	37 31 50	122 21 30	SAN MATEO	60	SAN MATEO
593	I	7201	S	2440 *	85	AR	2.9	37 31 50	122 21 30	SAN MATEO	60	SAN MATEO
594	I	7202	O	1110 *	85	--	--	36 15 20	121 46 50	BIG SUR	87	
595	I	7333	C	9510 *	140	F	--	37 07 --	122 19 --	ANO NUEVO	109	
596	I	7334A	C	1230 *	85	AR	3.0-3.1	37 54 --	122 21 30	RICHMOND	110	
597	I	7334B	O	1665 *	85	AR	1.6-1.9	37 58 06	122 22 27	RICHMOND	110 81	
598	I	7335	W	2855 *	90	--	4.8-5.2	37 21 --	121 54 15	SAN JOSE WEST	111	
599	I	7328	W	10490 *	145	A	9.4-10	37 39 40	122 26 15	SAN FRANCISCO SOUTH	112 87	
600	I	7329	W	1625 *	85	A	6.1	37 39 20	122 25 50	SAN FRANCISCO SOUTH	112 87	
601	I	7338	W	>40000		A	18.5-20	37 39 15	122 26 15	SAN FRANCISCO SOUTH	112 87	
602	I	7339	W	11630 *	165	A	7.9-8.7	37 39 15	122 26 15	SAN FRANCISCO SOUTH	112 87	
603	I	7340	W	7585 *	150	A	10.6-11	37 39 05	122 25 04	SAN FRANCISCO SOUTH	112 87	
604	I	7341	W	1750 *	90	A	6.1-6.5	37 39 05	122 25 04	SAN FRANCISCO SOUTH	112 87	
605	I	7588	C	1985 *	155	A	5.5	37 26 40	122 10 25	PALO ALTO	113 87	
606	I	7589	O	2270 *	80	A	2.8	37 25 52	122 11 15	PALO ALTO	113	
607	I	7590	O	765 *	80	A	.9-1.1	37 27 06	122 07 35	PALO ALTO	81	
608	I	7591	S	3050 *	85	AR	3.03	37 28 30	122 08 10	PALO ALTO	113 87 121	UNIVERSITY VILLAGE
609	I	7592	S	3265 *	85	AR	3.6	37 28 30	122 08 10	PALO ALTO	113 87 121	UNIVERSITY VILLAGE
610	I	7593	O	11500 *	165	F	--	37 07 --	122 19 --	ANO NUEVO	109	
611	I	8242	BK	195 *	80	A	3.3	36 41 35	121 34 04	NATIVIDAD	85	
612	I	8241	BK	< 180		A	3.0	36 41 35	121 34 04	NATIVIDAD	85	
613	I	8240	P	< 180		A	.6	36 41 35	121 34 04	NATIVIDAD	85	
614	I	8371	C	6970 *	170	AR	--	39 00 25	122 50 28	LUCERNE	104 87	
615	USGS	527	OM	1550 *	50	LSL	7.4	37 19 45	122 17 05	LA HONDA	87 98 117	
616	USGS	402	OM	2730 *	65	LSL	4.6-4.7	37 19 45	122 17 05	LA HONDA	87 98 117	
617	I	8368	PIC	36400 *	2300	L	0.0	38 57 47	122 50 02	KELSYVILLE	103** 87	
618	I	8094	P	2310 *	150	EI	2.7	37 31 15	122 11 50	REDWOOD POINT	60 6	
619	I	8093	P	520 *	90	EI	1.2	37 31 15	122 11 50	REDWOOD POINT	6	
620	I	8092	C	750 *	105	TA	--	38 47 45	122 48 04	THE GYSERS	114** 81	
621	I	8086	S	1650 *	85	AR	1.9-2.0	37 33 --	122 04 30	NEWARK	108	COYOTE HILLS
622	I	8085	SO	2330 *	90	AR	--	37 33 --	122 04 30	NEWARK	81 60	COYOTE HILLS
623	I	7720	PS	9460 *	155	LSL	4.05	37 17 30	122 05 10	CUPERTINO	100 81	
625	USGS	528	OSI	2080 *	130	LSL	3.0-3.2	37 19 45	122 17 05	LA HONDA	87 98 117	
626	I	7938	S	6800 *	360	EI	46.8	37 48 10	122 22 31	SAN FRANCISCO NORTH	6	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE	ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
627	I	7937	PM	9100 *	155	EI	33.3	37 47 26	122 23 04	SAN FRANCISCO NORTH	6	
629	I	7897	SA	3410 *	100	AR	--	37 24 30	122 06 20	MOUNTAIN VIEW	108	PONCE
630	I	7896	C	520 *	80	AR	.5	37 33 --	122 04 30	NEWARK	108	RYAN
631	I	7895	B	430 *	80	AR	.4	37 33 --	122 04 30	NEWARK	108	RYAN
632	I	7887	S	980 *	80	AR	--	37 33 --	122 04 30	NEWARK	108	RYAN
633	I	7886	PM	3410 *	95	EI	3.1	37 49 15	122 17 40	OAKLAND WEST	6	
634	I	7885	PM	4685 *	150	EI	6.2	37 49 20	122 17 51	OAKLAND WEST	6	
635	I	7884	PM	6235 *	110	EI	9.2	37 49 25	122 18 05	OAKLAND WEST	6	
636	I	7828	SM	3790 *	110	AR	1.0	36 59 15	122 08 50	SANTA CRUZ	87 60 81	
637	I	7827	SM	5390 *	100	AR	--	36 59 15	122 08 50	SANTA CRUZ	87 60 81	
638	I	7819	W	205 *	80	LSL	--	37 23 45	122 11 50	PALO ALTO	114	
639	I	7818	W	245 *	80	LSL	--	37 23 45	122 11 50	PALO ALTO	114	
640	I	7815	PM	>40000		EI	27.7	37 45 27	122 17 28	OAKLAND WEST	6	
641	I	7813	W	>34000		EI	44.0	37 44 40	122 21 14	HUNTERS POINT	6	
642	I	7810	OM	35100 *	2100	LSL	--	38 17 40	122 31 08	GLEN ELLEN	92	
643	GX	6525	P	4450 *	165	L	.5-.53	38 22 30	120 08 20	BIG MEADOW 15'	90	
644	GX	6526	OC	8460 *	230	L	1.3-1.4	38 22 30	120 08 20	BIG MEADOW 15'	90	
645	GX	6529	OC	12125 *	640	L	2.5-2.6	38 22 30	120 08 20	BIG MEADOW 15'	90	
646	GX	6530	OC	14035 *	510	L	2.9-.95	38 22 30	120 08 20	BIG MEADOW 15'	90	
647	I	9112	OC	9410 *	315	L	1.35	38 22 30	120 08 20	BIG MEADOW 15'	90	
648	W	3230	SO	>1.000		EI	1.0	38 03 35	122 10 25	BENICIA	87	
649	W	3231	S	>42000		EI	--	38 02 10	122 16 28	MARE ISLAND	87	
650	W	3245	O	3660 *	200	A	--	38 10 35	122 49 --	POINT REYES NE	87 95	
651	W	3244	C	3670 *	200	A	--	38 10 35	122 49 --	POINT REYES NE	87 95	
652	W	3247	O	4970 *	200	A	--	38 10 00	122 47 20	POINT REYES NE	87 95	
653	W	3400	W	930 *	200	F	--	38 02 10	122 47 20	INVERNESS	87	
654	W	3155	W	2880 *	160	--	15.2-18	36 38 31	121 40 00	SALINAS	85	
655	W	3152	O	12070 *	350	--	--	37 23 45	121 57 --	MILPITAS	85	
656	I	6626	W	< 185		EI	1.5	37 37 08	122 03 17	NEWARK	81	
657	I	6983	B	7400 *	165	--	--	37 35 52	122 00 20	NEWARK	87 97	
658	W	3156	W	220 *	100	A	.6	37 22 48	122 00 50	MOUNTAIN VIEW	87	
659	GX	--	C	>35000		TM	7.4	34 27 15	120 24 50	POINT CONCEPTION	94	
660	GX	--	C	31500 +	2600	A	6.8	34 27 13	120 24 55	POINT CONCEPTION	94	
660	GX	--	C	31500 -	1900	A	6.8	34 27 13	120 24 55	POINT CONCEPTION	94	
661	GX	5568	C	>32000		TM	3.3	34 27 28	120 24 13	POINT CONCEPTION	94	
662	GX	5569	C	11745 *	395	AC	1.2	34 27 28	120 24 13	POINT CONCEPTION	94	
663	GX	5575	C	20620 +	1180	AC	5.0	34 27 30	120 24 05	POINT CONCEPTION	94	
663	GX	5575	C	20620 -	1030	AC	5.0	34 27 30	120 24 05	POINT CONCEPTION	94	
664	GX	--	C	20660 +	1190	AC	4.0	34 27 30	120 24 05	POINT CONCEPTION	94	
664	GX	--	C	20660 -	1035	AC	4.0	34 27 30	120 24 05	POINT CONCEPTION	94	
665	GX	5557	C	17700 *	790	AC	5.0	34 27 30	120 24 05	POINT CONCEPTION	94	
666	GX	--	C	>37000		--	--	34 27 25	120 24 25	POINT CONCEPTION	94	
667	GX	--	C	13470 *	500	AR	5.3	34 27 28	120 24 13	POINT CONCEPTION	94	
668	USGS	953	S	3050 *	55	TM	--	40 26 00	124 24 05	CAPE MENDOCINO	60	
669	USGS	173	W	>42900		A	7.6	37 14 15	122 21 55	FRANKLIN POINT	60	
670	USGS	287	S	39500 *	650	TM	--	37 06 52	122 19 25	ANO NUEVO	60	
671	BETA	2343	W	120 *	60	A	14.6-15	37 46 15	121 17 30	LATHROP	6	
672	USGS	405	S	1870 *	55	TM	--	40 07 30	124 10 00	SHUBRICK PEAK	60	
673	USGS	536A	S	38900 *	950	TM	--	37 06 52	122 19 25	ANO NUEVO	60	
674	USGS	536B	S	43300 *	1600	TM	--	37 06 52	122 19 25	ANO NUEVO	60	
675	USGS	539	W	5920 *	90	B	0.0	41 03 23	124 08 10	-TRINIDAD	60	
676	USGS	600	CA	13050 *	80	L	--	38 01 57	119 06 59	BODIE 15'	60	
677	USGS	602	CA	12800 *	60	L	--	38 01 57	119 06 59	BODIE 15'	60	
678	USGS	636	CA	29100 *	420	L	--	38 01 30	119 07 14	BODIE 15'	60	
679	USGS	637	CA	31500 *	250	L	--	38 01 30	119 07 14	BODIE 15'	60	
680	USGS	805	CA	28150 *	190	L	--	38 01 30	119 07 14	BODIE 15'	60	
681	USGS	833	CA	24850 *	190	L	--	38 00 38	119 09 00	BODIE 15'	60	

Table 1. --Continued

ID NO	LAB	NO	MAT	DATE		ERROR	ENV	DEPTH(M)	LATITUDE	LONGITUDE	QUADRANGLE	REFERENCE NO	ARCHEOLOGICAL SITE
682	USGS	834	CA	28000	*	300	L	--	38 00 38	119 09 00	BODIE 15'	60	
683	USGS	835	CA	23000	*	200	L	--	38 00 38	119 09 00	BODIE 15'	60	
684	GX	4221	P	2950	*	150	EM	1.7-1.8	37 51 15	121 34 15	CLIFTON COURT FOREBAY	118	
685	GX	4222	P	3940	*	140	EM	3.4-3.5	37 51 15	121 34 15	CLIFTON COURT FOREBAY	118	
686	GX	4223	P	4340	*	150	EM	3.7	37 51 15	121 34 15	CLIFTON COURT FOREBAY	118	
688	BETA	2345	C	2850	*	100	A	3.6	36 35 30	120 49 00	PANOCHE	96	
689	USGS	526	OS	1630	*	40	LSL	7.0-7.9	37 19 45	122 17 05	LA HONDA	98 117	
690	USGS	150	W	4680	*	120	LSL	--	37 21 00	122 16 30	LA HONDA	98 117	
691	USGS	391	W	4000	*	35	LSL	8.5-9.4	37 21 00	122 16 30	LA HONDA	98 117	
692	USGS	326	W	3770	*	150	LSL	9.1-9.7	37 21 00	122 16 30	LA HONDA	98 117	
693	USGS	149	W	4170	*	140	LSL	8.4-9.1	37 21 00	122 16 30	LA HONDA	98 117	
694	USGS	147	W	3990	*	70	LSL	10.6-11	37 21 00	122 16 30	LA HONDA	98 117	

Table 2.---Radiocarbon-dated samples organized alphabetically by laboratory name and numerically by laboratory number.

ID NO	LAB	NO	DATE		ERROR
110	A	451	28500	*	4300
71	A	474	>31200		
109	A	482	>42500		
341	A	544	2920	*	200
342	A	545	9990	*	800
159	A	554	4100	*	800
398	A	728	6990	*	300
578	A	962	7340	*	380
405	BETA	1039	1795	*	70
406	BETA	1040	1355	*	65
407	BETA	1041	1660	*	70
394	BETA	1047	9990	*	125
395	BETA	1048	8085	*	110
396	BETA	1049	8700	*	125
397	BETA	1050	8465	*	140
401	BETA	1052	13620	*	205
329	BETA	1601	3885	*	135
180	BETA	1602	2415	*	190
177	BETA	1603	475	*	60
178	BETA	1604	345	*	65
179	BETA	1605	1255	*	75
241	BETA	1649	1625	*	90
242	BETA	1650	625	*	60
243	BETA	1651	450	*	45
244	BETA	1652	1110	*	95
245	BETA	1653	595	*	70
246	BETA	1654	1045	*	95
247	BETA	1655	1775	*	110
248	BETA	1656	605	*	45
671	BETA	2343	120	*	60
480	BETA	2344	2940	*	140
688	BETA	2345	2850	*	100
267	CHGO	186	720	*	130
253	CHGO	440	4052	*	160
500	CHGO	628	1879	*	250
487	CHGO	673	1360	*	240
256	CHGO	689	1229	*	200
274	CHGO	690	2339	*	150
251	CHGO	691	2410	*	200
486	CHGO	695	1840	*	400
579	GAK	1704	6890	*	160
580	GAK	1705	9000	*	600
360	GX	--	1295	*	120
363	GX	--	< 200		
361	GX	--	1510	*	100
362	GX	--	4490	*	205
366	GX	--	970	*	130
367	GX	--	3190	*	170
548	GX	--	3370	*	180
562	GX	--	28200	+	1700
562	GX	--	28200	-	1300
566	GX	--	5685	*	210
567	GX	--	11360	*	300
568	GX	--	22960	*	1350
569	GX	--	3395	*	180
664	GX	--	20660	+	1190
664	GX	--	20660	-	1035
667	GX	--	13470	*	500
666	GX	--	>37000		
659	GX	--	>35000		
660	GX	--	31500	+	2600
660	GX	--	31500	-	1900
273	GX	1049	1685	*	85
372	GX	1925	2985	*	160
371	GX	1926	2020	*	160
374	GX	2127	3890	*	220
375	GX	2128	4330	*	180
376	GX	2129	9150	*	650
373	GX	2191	3020	*	130
334	GX	2575	4340	*	195
336	GX	2576	6635	*	320
337	GX	2577	6805	*	350
403	GX	2578	10475	*	500
335	GX	2579	4675	*	200
331	GX	2581	3315	*	150
332	GX	2582	3900	*	140
333	GX	2583	3090	*	190
338	GX	2932	860	*	170
339	GX	2933	2420	*	140
340	GX	2934	3575	*	260
684	GX	4221	2950	*	150
685	GX	4222	3940	*	140
686	GX	4223	4340	*	150
665	GX	5557	17700	*	790
661	GX	5568	>32000		
662	GX	5569	11745	*	395
663	GX	5575	20620	+	1180
663	GX	5575	20620	-	1030
643	GX	6525	4450	*	165
644	GX	6526	8460	*	230
408	GX	6527	9455	*	325
409	GX	6528	10965	*	440
645	GX	6529	12125	*	640
646	GX	6530	14035	*	510
410	GX	6531	15565	*	820
481	I	--	3225	*	190
482	I	--	1550	*	105
368	I	--	< 200		
356	I	--	245		
357	I	--	1065	*	170
358	I	--	1280	*	115
359	I	--	1325	*	170
364	I	--	320	*	85
365	I	--	2195	*	85
292	I	1	7360	*	320
295	I	2	6150	*	275
293	I	3	5815	*	200
294	I	4	4658	*	200
291	I	5	5730	*	220
290	I	6	2300	*	150
289	I	7	2420	*	180
478	I	443	13150	*	350
479	I	444	10000	*	300
424	I	502	1280	*	125
1	I	1928	7600	*	200
229	I	2007	2130	*	105
232	I	2287	7030	*	130
233	I	2341	1550	*	105
234	I	2342	2280	*	125
235	I	2343	2840	*	115
473	I	2352	1070	*	100
47	I	2754	3690	*	130
48	I	2791	2100	*	150
36	I	3165	1220	*	100
474	I	3168	335	*	85
49	I	3208	1050	*	100
66	I	4006	2260	*	210
205	I	4151	260	*	90
206	I	4152	280	*	90
140	I	4528	1265	*	95
50	I	4782	5250	*	120
141	I	4798	1060	*	95
261	I	5745	>32900		
51	I	5938	1350	*	95
385	I	6049	1545	*	90
536	I	6298	20820	*	380
296	I	6475	3360	*	105
537	I	6476	10430	*	150
538	I	6477	23000	*	500
539	I	6491	7080	*	135
540	I	6492	3040	*	95
541	I	6493	765	*	90
505	I	6517	3350	*	95
542	I	6625	21960	*	520
656	I	6626	< 185		
576	I	6629	15080	*	190
543	I	6676	7690	*	125
544	I	6677	21600	*	460
545	I	6678	795	*	90
546	I	6679	22340	*	500
583	I	6841	1145	*	90
582	I	6843	910	*	85
547	I	6844	23150	*	520
584	I	6845	>38000		
585	I	6975	>40000		
297	I	6976	9330	*	150

Table 2. --Continued

ID NO	LAB	NO	DATE		ERROR
586	I	6977	4460	*	95
298	I	6978	9670	*	155
299	I	6979	>40000		
657	I	6983	7400	*	165
587	I	7070	3675	*	100
588	I	7071	1545	*	80
589	I	7072	1345	*	95
590	I	7073	2530	*	105
591	I	7074	>40000		
592	I	7200	1440	*	85
593	I	7201	2440	*	85
594	I	7202	1110	*	85
599	I	7328	10490	*	145
600	I	7329	1625	*	85
595	I	7333	9510	*	140
596	I	7334A	1230	*	85
597	I	7334B	1665	*	85
598	I	7335	2855	*	90
601	I	7338	>40000		
602	I	7339	11630	*	165
603	I	7340	7585	*	150
604	I	7341	1750	*	90
571	I	7556	2595	*	85
572	I	7557	1155	*	85
605	I	7588	1985	*	155
606	I	7589	2270	*	80
607	I	7590	765	*	80
608	I	7591	3050	*	85
609	I	7592	3265	*	85
610	I	7593	11500	*	165
561	I	7716	1220	*	90
534	I	7718	>40000		
521	I	7719	11330	*	330
623	I	7720	9460	*	155
300	I	7730	9620	*	155
301	I	7731	8160	*	250
302	I	7732	8365	*	135
303	I	7733	10700	*	155
304	I	7734	6855	*	115
305	I	7742	3930	*	105
306	I	7743	6200	*	320
307	I	7746	5845	*	100
308	I	7747	5745	*	185
506	I	7754	15510	*	340
517	I	7755	13090	*	210
526	I	7756	17660	*	330
557	I	7767	1410	*	185
558	I	7768	2190	*	85
559	I	7769	31150	*	1400
560	I	7808	10760	*	150
564	I	7809	>40000		
642	I	7810	35100	*	2100
641	I	7813	>34000		
309	I	7814	9255	*	310
640	I	7815	>40000		
310	I	7817	8885	*	145
639	I	7818	245	*	80
638	I	7819	205	*	80
311	I	7820	8295	*	135
312	I	7824	6485	*	110
637	I	7827	5390	*	100
636	I	7828	3790	*	110
635	I	7884	6235	*	110
634	I	7885	4685	*	150
633	I	7886	3410	*	95
632	I	7887	980	*	80
631	I	7895	430	*	80
630	I	7896	520	*	80
629	I	7897	3410	*	100
532	I	7928	23900	*	640
533	I	7932	23300	*	600
313	I	7934	8230	*	135
627	I	7937	9100	*	155
626	I	7938	6800	*	360
314	I	7939	9280	*	155
315	I	7940	>40000		
316	I	7941	8735	*	270
573	I	8011	4900	*	150
574	I	8012	4220	*	120
622	I	8085	2330	*	90
621	I	8086	1650	*	85
317	I	8088	8905	*	275
620	I	8092	750	*	105
619	I	8093	520	*	90
618	I	8094	2310	*	150
613	I	8240	< 180		
612	I	8241	< 180		
611	I	8242	195	*	80
617	I	8368	36400	*	2300
508	I	8369	24910	*	540
509	I	8370	17440	*	510
614	I	8371	6970	*	170
647	I	9112	9410	*	315
275	LA	--	2445	*	250
276	LA	--	3205	*	300
277	LA	--	2875	*	300
278	LA	--	3595	*	250
279	LA	--	3855	*	450
280	LA	--	3135	*	300
281	LA	--	3195	*	250
269	LA	187A	2700	*	350
270	LA	187B	3150	*	300
268	LA	227	>27000		
266	LA	285	>37000		
263	LA	720A	34500	*	3000
262	LA	768C	>37000		
230	LJ	76	2350	*	150
118	LJ	199	2310	*	220
119	LJ	200	9640	*	240
120	LJ	269	19500	*	500
191	LJ	314	4250	*	200
41	LJ	456	>34000		
225	LJ	501	440	*	110
226	LJ	503	4790	*	200
475	LJ	606	< 300		
476	LJ	610	< 300		
404	LJ	612	450	*	200
477	LJ	649	< 300		
193	LJ	895	30950	*	1000
86	LJ	902	21900	*	600
195	LJ	929	8350	*	300
196	LJ	930	10870	*	450
197	LJ	931	13190	*	500
198	LJ	932	10260	*	400
199	LJ	933	13670	*	550
200	LJ	934	11630	*	500
201	LJ	935	9160	*	400
194	LJ	958	13800	*	600
85	LJ	973	>50000		
84	LJ	977	13000	*	700
83	LJ	979	24750	*	1300
82	LJ	980	>35000		
72	LJ	981	>50000		
73	LJ	982	18600	*	1000
74	LJ	983	17100	*	900
75	LJ	984	32300	*	1600
76	LJ	985	>45000		
77	LJ	986	>40000		
78	LJ	987	>40000		
79	LJ	989	22530	*	1200
80	LJ	990	31480	*	1600
81	LJ	991	32900	*	1700
224	LJ	1354	200	*	100
2	LJ	1356	8200	*	400
160	LJ	1357	8200	*	400
208	LJ	3088	300	*	50
209	LJ	3091	990	*	50
210	LJ	3096	2460	*	50
211	LJ	3097	460	*	50
212	LJ	3098	470	*	50
207	LJ	3927	>39000		
318	LJGP	43	340	*	130
322	LJGP	44	3300	*	180
323	LJGP	45	>35000		
321	LJGP	46	1700	*	190
320	LJGP	47	1200	*	160
319	LJGP	48	1020	*	150
488	M	121	2200	*	400
489	M	121	2700	*	300
490	M	122	3210	*	300
491	M	123	2880	*	300
492	M	124	3500	*	300
493	M	124	3700	*	350
494	M	125	3860	*	450
495	M	126	3140	*	300
496	M	127	2700	*	400
497	M	127	3700	*	300
254	M	645	4100	*	250
46	M	646	3080	*	300
255	M	647	4350	*	250
252	M	648	620	*	200

Table 2. --Continued

ID NO	LAB	NO	DATE		ERROR
231	M	752	1750	*	500
257	M	865	925	*	150
249	M	866	510	*	150
258	M	884	500	*	150
250	M	885	250	*	150
65	M	886	1080	*	200
62	M	937	610	*	150
61	M	938	1050	*	200
216	SM	1-8	22400	*	1000
282	SM	3-6	9955	*	330
283	SM	4-3	8588	*	620
284	SM	5-8	>30000		
285	SM	6-2	6210	*	175
286	SM	6-3	7925	*	810
287	SM	6-11	>30000		
288	SM	6-13	>30000		
217	SM	33	22800	*	1400
218	SM	34	>30000		
219	SM	35	22600	*	1400
220	SM	36	10270	*	450
221	SM	50	11400	*	600
222	SM	50C	9900	*	500
174	TX	1195	1420	*	70
192	UCLA	118	920	*	90
117	UCLA	121	19300	*	400
325	UCLA	125	1470	*	60
324	UCLA	126	390	*	70
326	UCLA	127	3300	*	100
402	UCLA	259	4451	*	400
345	UCLA	276	950	*	70
346	UCLA	277	1580	*	80
347	UCLA	278	2040	*	100
189	UCLA	297	2180	*	250
121	UCLA	622	515	*	80
122	UCLA	643	550	*	60
190	UCLA	647	>40000		
37	UCLA	728	38000	*	2500
123	UCLA	733A	700	*	80
124	UCLA	733B	935	*	100
265	UCLA	735	10170	*	120
264	UCLA	736	29050	*	1100
38	UCLA	740	>36000		
236	UCLA	755	11600	*	160
348	UCLA	966	26700	*	800
458	UCLA	989	10020	*	120
459	UCLA	990	10520	*	140
349	UCLA	997	9540	*	120
350	UCLA	998	9500	*	120
351	UCLA	999	9450	*	120
460	UCLA	1110I	16600	*	1000
461	UCLA	11100	13400	*	200
462	UCLA	1118I	24500	*	1000
463	UCLA	11180	12500	*	800
464	UCLA	1121I	8000	*	500
465	UCLA	11210	3150	*	150
466	UCLA	1123I	13450	*	100
467	UCLA	11230	12000	*	260

ID NO	LAB	NO	DATE		ERROR
468	UCLA	1125I	10150	*	1000
271	UCLA	1425	4400	*	270
272	UCLA	1425	4350	*	125
125	UCR	118A	1690	*	100
126	UCR	118B	2750	*	90
127	UCR	118C	1470	*	100
128	UCR	118D	1650	*	80
129	UCR	118E	1740	*	100
130	UCR	118F	970	*	80
131	UCR	118G	1745	*	100
132	UCR	118H	1400	*	90
133	UCR	118I	1010	*	80
134	UCR	118J	1540	*	110
135	UCR	118K	1310	*	80
136	UCR	118L	1305	*	80
137	UCR	118N	1425	*	80
138	UCR	1180	2000	*	80
139	UCR	118P	1630	*	80
9	UCR	121	>35000		
157	UCR	122	1850	*	100
147	UCR	137	3630	*	300
148	UCR	138	1850	*	150
149	UCR	139	3300	*	150
150	UCR	140	2860	*	150
151	UCR	141	3200	*	150
152	UCR	142	1870	*	250
153	UCR	143	900	*	250
154	UCR	144	2500	*	200
155	UCR	145	865	*	150
156	UCR	146	815	*	150
227	UCR	148	1915	*	150
158	UCR	150	1910	*	150
427	UCR	151	2010	*	150
144	UCR	178	< 150		
145	UCR	179	250	*	150
146	UCR	180	< 150		
202	UGA	447	9020	*	270
204	UGA	448	2830	*	65
58	UGA	449	3375	*	140
115	UGA	450	1210	*	55
116	UGA	451	1175	*	65
203	UGA	452	9480	*	90
383	UGA	602	760	*	60
384	UGA	603	710	*	60
381	UGA	604	3320	*	85
382	UGA	605	3770	*	65
378	UGA	620	8705	*	95
377	UGA	621	8960	*	90
380	UGA	622	9855	*	100
379	UGA	623	10185	*	105
386	UGA	674	7705	*	90
387	UGA	675	3930	*	80
182	UM	1459	7760	*	200
183	UM	1460	4760	+	280
183	UM	1460	4760	-	270
184	UM	1461	1200	*	100
411	UM	1462	35170	+	1445

ID NO	LAB	NO	DATE		ERROR
411	UM	1462	35170	-	1225
181	UM	1463	7410	*	110
399	UM	1464	7340	*	100
412	UM	1466	27105	+	590
412	UM	1466	27105	-	550
413	UM	1467	2810	*	95
414	UM	1468	2120	*	80
415	UM	1469	8910	*	110
416	UM	1471	355	*	70
417	UM	1472	240	*	70
418	UM	1473	580	*	85
419	UM	1474	3390	*	85
400	UM	1545	42185	+	2530
400	UM	1545	42185	-	1920
420	UM	1587	3130	*	100
421	UM	1630	1030	*	75
67	UM	1631	34380	+	730
67	UM	1631	34380	-	670
68	UM	1632	29040	+	610
68	UM	1632	29040	-	570
422	UM	1654	3342	*	60
423	UM	1655	4687	*	70
390	UM	1656	9540	*	230
391	UM	1657	10790	*	380
392	UM	1658	10670	*	220
393	UM	1659	8460	*	210
23	UM	2053	20456	*	675
16	UM	2078	535	*	125
10	UM	2079	885	*	80
19	UM	2080	715	*	70
20	UM	2081	4145	*	100
21	UM	2082	2090	*	120
13	UM	2144	840	*	70
14	UM	2145	2160	*	90
15	UM	2146	1505	*	90
175	UM	2147	2215	*	110
176	UM	2148	>38630		
240	UM	2149	610	*	80
344	UM	2155	3955	*	100
343	UM	2157	2725	*	105
581	USGS	24	330	*	70
213	USGS	33A	14300	*	200
214	USGS	33B	12800	*	150
52	USGS	35	3070	*	90
53	USGS	36	4830	*	130
113	USGS	38	14100	*	200
54	USGS	55	>37600		
114	USGS	62	4600	*	100
426	USGS	67	7700	*	75
55	USGS	71	1160	*	60
56	USGS	72	6450	*	100
57	USGS	74	>29700		
223	USGS	87	310	*	45
431	USGS	119	1170	*	55
432	USGS	120	700	*	60
433	USGS	121	1740	*	35
434	USGS	122	7120	*	45

Table 2. --Continued

ID NO	LAB	NO	DATE	ERROR
694	USGS	147	3990 *	70
693	USGS	149	4170 *	140
690	USGS	150	4680 *	120
555	USGS	152	270 *	50
554	USGS	153	29500 *	560
565	USGS	160	13200 *	160
669	USGS	173	>42900	
369	USGS	191	300 *	40
556	USGS	193	23500 *	300
370	USGS	211	270 *	55
553	USGS	227	1560 *	65
670	USGS	287	39500 *	650
552	USGS	319	14120 *	160
551	USGS	320	14460 *	120
550	USGS	321	16600 *	140
549	USGS	322	29300 *	390
692	USGS	326	3770 *	70
691	USGS	391	4000*	35
616	USGS	402	2730 *	65
672	USGS	405	1870 *	55
31	USGS	429	42400 *	1000
429	USGS	453	9580 *	65
430	USGS	493	37500 *	60
689	USGS	526	1630 *	40
615	USGS	527	1550 *	50
625	USGS	528	2080 *	130
673	USGS	536A	38900 *	950
674	USGS	536B	43300 *	1600
675	USGS	539	5920 *	90
24	USGS	570	42200 *	1600
25	USGS	571	43000 *	1700
26	USGS	572	46300 *	2400
27	USGS	573	32700 *	700
28	USGS	574	38100 *	950
676	USGS	600	13050 *	80
677	USGS	602	12800 *	60
678	USGS	636	29100 *	420
679	USGS	637	31500 *	250
388	USGS	665	830 *	55
389	USGS	666	4060 *	150
435	USGS	698	3090 *	60
32	USGS	713	275 *	50
33	USGS	716	2240 *	90
34	USGS	717	2240 *	90
35	USGS	718	2240 *	90
22	USGS	749	1910 *	55
11	USGS	750	1430 *	55
12	USGS	751	2110 *	80
17	USGS	752	4330 *	65
18	USGS	753	6110 *	100
680	USGS	805	28150 *	190
681	USGS	833	24850 *	190
682	USGS	834	28000 *	300
683	USGS	835	23000 *	200
668	USGS	953	3050 *	55
501	UW	2	780 *	60
483	W	340	26700 *	2000
484	W	341	23000 *	1400
485	W	343	29500 *	2000
498	W	362	>33000	
499	W	436	2240 *	250
45	W	581	10540 *	350
161	W	727	1440 *	150
162	W	734	4830 *	200
43	W	744	10690 *	300
456	W	758	1320 *	200
455	W	759	510 *	160
44	W	793	1040 *	200
42	W	794	6600 *	250
457	W	812	< 200	
215	W	892	12390 *	400
470	W	933	220 *	200
472	W	934	200 *	200
471	W	935	320 *	200
469	W	936	200 *	200
188	W	942	11800 *	1000
425	W	1069	1380 *	250
260	W	1145	14350 *	400
39	W	1192	>38000	
40	W	1200	>38000	
187	W	1201	13300 *	500
502	W	1279	>42000	
503	W	1279	>42000	
504	W	1279	>42000	
98	W	1317	12000 *	400
96	W	1318	12200 *	450
91	W	1321	32500 *	2000
94	W	1322	10230 *	300
95	W	1323	13700 *	350
92	W	1324	22500 *	600
99	W	1325	12110 *	300
93	W	1327	11730 *	350
89	W	1376	10200 *	300
88	W	1408	2800 *	300
90	W	1413	>32000	
87	W	1417	1440 *	250
97	W	1418	11720 *	500
100	W	1422	27400 *	800
437	W	1431	650 *	200
6	W	1503	>40000	
8	W	1504	17130 *	350
7	W	1505	9040 *	300
3	W	1506	26780 *	600
445	W	1544	970 *	200
448	W	1545	130 *	200
449	W	1546	190 *	200
447	W	1547	380 *	200
446	W	1549	90 *	200
450	W	1551	390 *	200
453	W	1575	29200 *	2000
228	W	1579	5480 *	300
4	W	1650	14060 *	450
5	W	1652	13350 *	500
451	W	1679	11020 *	400
452	W	1680	11820 *	400
112	W	2086	5180 *	600
142	W	2135	1230 *	300
143	W	2137	1120 *	300
438	W	2228	1000 *	300
442	W	2230	< 200	
328	W	2231	5400 *	600
327	W	2232	4600 *	600
439	W	2235	1000 *	300
441	W	2257	1200 *	300
443	W	2259	>32000	
440	W	2261	1010 *	250
111	W	2336	31000 *	1000
172	W	2457	1740 *	250
173	W	2461	13060 *	400
186	W	2463	4900 *	250
59	W	2561	2340 *	250
60	W	2659	2690 *	250
185	W	2733	2070 *	250
163	W	2764	>43000	
165	W	2782	900 *	200
164	W	2784	680 *	200
170	W	2785	3470 *	500
171	W	2786	3850 *	500
169	W	2787	3200 *	500
168	W	2789	3860 *	500
166	W	2811	3410 *	250
167	W	2812	3415 *	250
444	W	2814	9230 *	300
436	W	2981	1040 *	250
525	W	3063	14900 *	300
527	W	3064	17470 *	300
528	W	3066	18340 *	300
529	W	3068	19110 *	300
530	W	3069	21210 *	400
531	W	3070	26150 *	600
522	W	3071	11700 *	250
523	W	3072	12280 *	250
524	W	3073	13160 *	300
655	W	3152	12070 *	350
654	W	3155	2880 *	160
658	W	3156	220 *	100
510	W	3198	27490 *	1000
519	W	3199	34070 *	1000
507	W	3200	28320 *	1000
511	W	3205	33200 *	1000
512	W	3206	27540 *	1000
515	W	3213	13650 *	450
535	W	3214	9850 *	250
513	W	3217	15010 *	550
518	W	3218	25890 *	1000
514	W	3220	24080 *	1000
516	W	3221	13200 *	400
520	W	3225	29810 *	1000
648	W	3230	>32000	
649	W	3231	>42000	
651	W	3244	3670 *	200
650	W	3245	3660 *	200
652	W	3247	4970 *	200
29	W	3249	520 *	200
30	W	3378	370 *	200
653	W	3400	930 *	200
239	WSU	1464	5060 *	140
330	WSU	1464	5000 *	140
238	WSU	1466	3920 *	120
237	WSU	1474	3020 *	120
353	WSU	1683	9130 *	170
352	WSU	1685	100 *	10
354	WSU	1686	760 *	100
355	WSU	1687	385 *	100
101	Y	574A	11810 *	140
102	Y	574B	10700 *	130
103	Y	575A	12420 *	160
104	Y	575B	12730 *	210
105	Y	576A	16890 *	210
106	Y	576B	16620 *	320
107	Y	577A	22350 *	1750
108	Y	577B	24690 *	1070
69	Y	2404	120 *	80
70	Y	2405	770 *	80

Table 3. -- Radiocarbon dates arranged in order of increasing age.

ID NO	LAB	NO		DATE		ERROR
446	W	1549		90	*	200
352	WSU	1685		100	*	10
671	BETA	2343		120	*	60
69	Y	2404		120	*	80
448	W	1545		130	*	200
144	UCR	178	<	150		
146	UCR	180	<	150		
612	I	8241	<	180		
613	I	8240	<	180		
656	I	6626	<	185		
449	W	1546		190	*	200
611	I	8242		195	*	80
442	W	2230	<	200		
457	W	812	<	200		
368	I	--	<	200		
363	GX	--	<	200		
469	W	936		200	*	200
472	W	934		200	*	200
224	LJ	1354		200	*	100
638	I	7819		205	*	80
470	W	933		220	*	200
658	W	3156		220	*	100
417	UM	1472		240	*	70
356	I	--		245		
639	I	7818		245	*	80
250	M	885		250	*	150
145	UCR	179		250	*	150
205	I	4151		260	*	90
370	USGS	211		270	*	55
555	USGS	152		270	*	50
32	USGS	713		275	*	50
206	I	4152		280	*	90
475	LJ	606	<	300		
476	LJ	610	<	300		
477	LJ	649	<	300		
369	USGS	191		300	*	40
208	LJ	3088		300	*	50
223	USGS	87		310	*	45
471	W	935		320	*	200
364	I	--		320	*	85
581	USGS	24		330	*	70
474	I	3168		335	*	85
318	LJGP	43		340	*	130
178	BETA	1604		345	*	65
416	UM	1471		355	*	70
30	W	3378		370	*	200
447	W	1547		380	*	200
355	WSU	1687		385	*	100
450	W	1551		390	*	200
324	UCLA	126		390	*	70
631	I	7895		430	*	80
225	LJ	501		440	*	110
404	LJ	612		450	*	200
243	BETA	1651		450	*	45
211	LJ	3097		460	*	50
212	LJ	3098		470	*	50
177	BETA	1603		475	*	60
258	M	884		500	*	150
455	W	759		510	*	160
249	M	866		510	*	150
121	UCLA	622		515	*	80
29	W	3249		520	*	200
619	I	8093		520	*	90
630	I	7896		520	*	80
16	UM	2078		535	*	125
122	UCLA	643		550	*	60
418	UM	1473		580	*	85
245	BETA	1653		595	*	70
248	BETA	1656		605	*	45
62	M	937		610	*	150
240	UM	2149		610	*	80
252	M	648		620	*	200
242	BETA	1650		625	*	60
437	W	1431		650	*	200
164	W	2784		680	*	200
123	UCLA	733A		700	*	80
432	USGS	120		700	*	60
384	UGA	603		710	*	60
19	UM	2080		715	*	70
267	CHGO	186		720	*	130
620	I	8092		750	*	105
354	WSU	1686		760	*	100
383	UGA	602		760	*	60
541	I	6493		765	*	90
607	I	7590		765	*	80
70	Y	2405		770	*	80
501	UW	2		780	*	60
545	I	6678		795	*	90
156	UCR	146		815	*	150
388	USGS	665		830	*	55
13	UM	2144		840	*	70
338	GX	2932		860	*	170
155	UCR	145		865	*	150
10	UM	2079		885	*	80
153	UCR	143		900	*	250
165	W	2782		900	*	200
582	I	6843		910	*	85
192	UCLA	118		920	*	90
257	M	865		925	*	150
653	W	3400		930	*	200
124	UCLA	733B		935	*	100
345	UCLA	276		950	*	70
445	W	1544		970	*	200
366	GX	--		970	*	130
130	UCR	118F		970	*	80
632	I	7887		980	*	80
209	LJ	3091		990	*	50
439	W	2235		1000	*	300
438	W	2228		1000	*	300
440	W	2261		1010	*	250
133	UCR	118I		1010	*	80
319	LJGP	48		1020	*	150
421	UM	1630		1030	*	75
436	W	2981		1040	*	250
44	W	793		1040	*	200
246	BETA	1654		1045	*	95
61	M	938		1050	*	200
49	I	3208		1050	*	100
141	I	4798		1060	*	95
357	I	--		1065	*	170
473	I	2352		1070	*	100
65	M	886		1080	*	200
244	BETA	1652		1110	*	95
594	I	7202		1110	*	85
143	W	2137		1120	*	300
583	I	6841		1145	*	90
572	I	7557		1155	*	85
55	USGS	71		1160	*	60
431	USGS	119		1170	*	55
116	UGA	451		1175	*	65
441	W	2257		1200	*	300
320	LJGP	47		1200	*	160
184	UM	1461		1200	*	100
115	UGA	450		1210	*	55
36	I	3165		1220	*	100
561	I	7716		1220	*	90
256	CHGO	689		1229	*	200
142	W	2135		1230	*	300
596	I	7334A		1230	*	85
179	BETA	1605		1255	*	75
140	I	4528		1265	*	95
424	I	502		1280	*	125
358	I	--		1280	*	115
360	GX	--		1295	*	120
136	UCR	118L		1305	*	80
135	UCR	118K		1310	*	80
456	W	758		1320	*	200
359	I	--		1325	*	170
589	I	7072		1345	*	95
51	I	5938		1350	*	95
406	BETA	1040		1355	*	65
487	CHGO	673		1360	*	240
425	W	1069		1380	*	250
132	UCR	118H		1400	*	90
557	I	7767		1410	*	185
174	TX	1195		1420	*	70
137	UCR	118N		1425	*	80
11	USGS	750		1430	*	55
87	W	1417		1440	*	250
161	W	727		1440	*	150
592	I	7200		1440	*	85
127	UCR	118C		1470	*	100

Table 3. --Continued

ID NO	LAB	NO	DATE		ERROR
325	UCLA	125	1470	*	60
553	USGS	227	1480	*	40
15	UM	2146	1505	*	90
361	GX	--	1510	*	100
134	UCR	118J	1540	*	110
385	I	6049	1545	*	90
588	I	7071	1545	*	80
482	I	--	1550	*	105
233	I	2341	1550	*	105
615	USGS	--	1550	*	50
346	UCLA	277	1580	*	80
241	BETA	1649	1625	*	90
600	I	7329	1625	*	85
139	UCR	118P	1630	*	80
689	USGS	526	1630	*	40
621	I	8086	1650	*	85
128	UCR	118D	1650	*	80
407	BETA	1041	1660	*	70
597	I	7334B	1665	*	85
273	GX	1049	1685	*	85
125	UCR	118A	1690	*	100
321	LJGP	46	1700	*	190
172	W	2457	1740	*	250
129	UCR	118E	1740	*	100
433	USGS	121	1740	*	35
131	UCR	118G	1745	*	100
231	M	752	1750	*	500
604	I	7341	1750	*	90
247	BETA	1655	1775	*	110
405	BETA	1039	1795	*	70
486	CHGO	695	1840	*	400
148	UCR	138	1850	*	150
157	UCR	122	1850	*	100
152	UCR	142	1870	*	250
672	USGS	405	1870	*	55
500	CHGO	628	1879	*	250
158	UCR	150	1910	*	150
22	USGS	749	1910	*	55
227	UCR	148	1915	*	150
605	I	7588	1985	*	155
138	UCR	1180	2000	*	80
427	UCR	151	2010	*	150
371	GX	1926	2020	*	160
347	UCLA	278	2040	*	100
185	W	2733	2070	*	250
625	USGS	528	2080	*	130
21	UM	2082	2090	*	120
48	I	2791	2100	*	150
12	USGS	751	2110	*	80
414	UM	1468	2120	*	80
229	I	2007	2130	*	105
14	UM	2145	2160	*	90
189	UCLA	297	2180	*	250
558	I	7768	2190	*	85
365	I	--	2195	*	85
488	M	121	2200	*	400
175	UM	2147	2215	*	110
499	W	436	2240	*	250
33	USGS	716	2240	*	90
34	USGS	717	2240	*	90
35	USGS	718	2240	*	90
66	I	4006	2260	*	210
606	I	7589	2270	*	80
234	I	2342	2280	*	125
290	I	6	2300	*	150
118	LJ	199	2310	*	220
618	I	8094	2310	*	150
622	I	8085	2330	*	90
274	CHGO	690	2339	*	150
59	W	2561	2340	*	250
230	LJ	76	2350	*	150
251	CHGO	691	2410	*	200
180	BETA	1602	2415	*	190
289	I	7	2420	*	180
339	GX	2933	2420	*	140
593	I	7201	2440	*	85
275	LA	--	2445	*	250
210	LJ	3096	2460	*	50
154	UCR	144	2500	*	200
590	I	7073	2530	*	105
571	I	7556	2595	*	85
60	W	2659	2690	*	250
496	M	127	2700	*	400
269	LA	187A	2700	*	350
489	M	121	2700	*	300
343	UM	2157	2725	*	105
616	USGS	402	2730	*	65
126	UCR	118B	2750	*	90
88	W	1408	2800	*	300
413	UM	1467	2810	*	95
204	UGA	448	2830	*	65
235	I	2343	2840	*	115
688	BETA	2345	2850	*	100
598	I	7335	2855	*	90
150	UCR	140	2860	*	150
277	LA	--	2875	*	300
491	M	123	2880	*	300
654	W	3155	2880	*	160
341	A	544	2920	*	200
480	BETA	2344	2940	*	140
684	GX	4221	2950	*	150
372	GX	1925	2985	*	160
373	GX	2191	3020	*	130
237	WSU	1474	3020	*	120
540	I	6492	3040	*	95
608	I	7591	3050	*	85
668	USGS	953	3050	*	55
52	USGS	35	3070	*	90
46	M	646	3080	*	300
333	GX	2583	3090	*	190
435	USGS	698	3090	*	60
420	UM	1587	3130	*	100
280	LA	--	3135	*	300
495	M	126	3140	*	300
270	LA	187B	3150	*	300
465	UCLA	11210	3150	*	150
367	GX	--	3190	*	170
281	LA	--	3195	*	250
169	W	2787	3200	*	500
151	UCR	141	3200	*	150
276	LA	--	3205	*	300
490	M	122	3210	*	300
481	I	--	3225	*	190
609	I	7592	3265	*	85
326	UCLA	127	3300	*	100
149	UCR	139	3300	*	150
322	LJGP	44	3300	*	180
331	GX	2581	3315	*	150
381	UGA	604	3320	*	85
422	UM	1654	3342	*	60
505	I	6517	3350	*	95
296	I	6475	3360	*	105
548	GX	--	3370	*	180
58	UGA	449	3375	*	140
419	UM	1474	3390	*	85
569	GX	--	3395	*	180
633	I	7886	3410	*	95
629	I	7897	3410	*	100
166	W	2811	3410	*	250
167	W	2812	3415	*	250
170	W	2785	3470	*	500
492	M	124	3500	*	300
340	GX	2934	3575	*	260
278	LA	--	3595	*	250
147	UCR	137	3630	*	300
650	W	3245	3660	*	200
651	W	3244	3670	*	200
587	I	7070	3675	*	100
47	I	2754	3690	*	130
493	M	124	3700	*	350
497	M	127	3700	*	300
692	USGS	326	3770	*	150
382	UGA	605	3770	*	65
636	I	7828	3790	*	110
171	W	2786	3850	*	500
279	LA	--	3855	*	450
168	W	2789	3860	*	500
494	M	125	3860	*	450
329	BETA	1601	3885	*	135
374	GX	2127	3890	*	220
332	GX	2582	3900	*	140
238	WSU	1466	3920	*	120
305	I	7742	3930	*	105
387	UGA	675	3930	*	80
685	GX	4222	3940	*	140
344	UM	2155	3955	*	100
694	USGS	147	3990	*	70
691	USGS	391	4000	*	35
253	CHGO	440	4052	*	160
389	USGS	666	4060	*	150
159	A	554	4100	*	800

Table 3. --Continued

ID NO	LAB	NO	DATE		ERROR
254	M	645	4100	*	250
20	UM	2081	4145	*	100
693	USGS	149	4170	*	140
574	I	8012	4220	*	120
191	LJ	314	4250	*	200
375	GX	2128	4330	*	180
17	USGS	752	4330	*	65
334	GX	2575	4340	*	195
686	GX	4223	4340	*	150
255	M	647	4350	*	250
272	UCLA	1425	4350	*	125
271	UCLA	1425	4400	*	270
643	GX	6525	4450	*	165
402	UCLA	259	4451	*	400
586	I	6977	4460	*	95
362	GX	--	4490	*	205
327	W	2232	4600	*	600
114	USGS	62	4600	*	100
294	I	4	4658	*	200
335	GX	2579	4675	*	200
690	USGS	150	4680	*	120
634	I	7885	4685	*	150
423	UM	1655	4687	*	70
183	UM	1460	4760	+	280
183	UM	1460	4760	-	270
226	LJ	503	4790	*	200
162	W	734	4830	*	200
53	USGS	36	4830	*	130
186	W	2463	4900	*	250
573	I	8011	4900	*	150
652	W	3247	4970	*	200
330	WSU	1464	5000	*	140
239	WSU	1464	5060	*	140
112	W	2086	5180	*	600
50	I	4782	5250	*	120
637	I	7827	5390	*	100
328	W	2231	5400	*	600
228	W	1579	5480	*	300
566	GX	--	5685	*	210
291	I	5	5730	*	220
308	I	7747	5745	*	185
293	I	3	5815	*	200
307	I	7746	5845	*	100
675	USGS	539	5920	*	90
18	USGS	753	6110	*	100
295	I	2	6150	*	275
306	I	7743	6200	*	320
285	SM	6-2	6210	*	175
635	I	7884	6235	*	110
56	USGS	72	6450	*	100
312	I	7824	6485	*	110
42	W	794	6600	*	250
336	GX	2576	6635	*	320
626	I	7938	6800	*	360
337	GX	2577	6805	*	350
304	I	7734	6855	*	115
579	GAK	1704	6890	*	160
614	I	8371	6970	*	170
398	A	728	6990	*	300
232	I	2287	7030	*	130
539	I	6491	7080	*	135
434	USGS	122	7120	*	45
578	A	962	7340	*	380
399	UM	1464	7340	*	100
292	I	1	7360	*	320
657	I	6983	7400	*	165
181	UM	1463	7410	*	110
603	I	7340	7585	*	150
1	I	1928	7600	*	200
543	I	6676	7690	*	125
426	USGS	67	7700	*	75
386	UGA	674	7705	*	90
182	UM	1459	7760	*	200
286	SM	6-3	7925	*	810
464	UCLA	1121I	8000	*	500
395	BETA	1048	8085	*	110
301	I	7731	8160	*	250
2	LJ	1356	8200	*	400
160	LJ	1357	8200	*	400
313	I	7934	8230	*	135
311	I	7820	8295	*	135
195	LJ	929	8350	*	300
302	I	7732	8365	*	135
644	GX	6526	8460	*	230
393	UM	1659	8460	*	210
397	BETA	1050	8465	*	140
283	SM	4-3	8588	*	620
396	BETA	1049	8700	*	125
378	UGA	620	8705	*	95
316	I	7941	8735	*	270
310	I	7817	8885	*	145
317	I	8088	8905	*	275
415	UM	1469	8910	*	110
377	UGA	621	8960	*	90
580	GAK	1705	9000	*	600
202	UGA	447	9020	*	270
7	W	1505	9040	*	300
627	I	7937	9100	*	155
353	WSU	1683	9130	*	170
376	GX	2129	9150	*	650
201	LJ	935	9160	*	400
444	W	2814	9230	*	300
309	I	7814	9255	*	310
314	I	7939	9280	*	155
297	I	6976	9330	*	150
647	I	9112	9410	*	315
351	UCLA	999	9450	*	120
408	GX	6527	9455	*	325
623	I	7720	9460	*	155
203	UGA	452	9480	*	90
350	UCLA	998	9500	*	120
595	I	7333	9510	*	140
390	UM	1656	9540	*	230
349	UCLA	997	9540	*	120
429	USGS	453	9580	*	65
300	I	7730	9620	*	155
119	LJ	200	9640	*	240
298	I	6978	9670	*	155
535	W	3214	9850	*	250
380	UGA	622	9855	*	100
222	SM	50C	9900	*	500
282	SM	3-6	9955	*	330
342	A	545	9990	*	800
394	BETA	1047	9990	*	125
479	I	444	10000	*	300
458	UCLA	989	10020	*	120
468	UCLA	1125I	10150	*	1000
265	UCLA	735	10170	*	120
379	UGA	623	10185	*	105
89	W	1376	10200	*	300
94	W	1322	10230	*	300
198	LJ	932	10260	*	400
220	SM	36	10270	*	450
537	I	6476	10430	*	150
403	GX	2578	10475	*	500
599	I	7328	10490	*	145
459	UCLA	990	10520	*	140
45	W	581	10540	*	350
392	UM	1658	10670	*	220
43	W	744	10690	*	300
303	I	7733	10700	*	155
102	Y	574B	10700	*	130
560	I	7808	10760	*	150
391	UM	1657	10790	*	380
196	LJ	930	10870	*	450
409	GX	6528	10965	*	440
451	W	1679	11020	*	400
521	I	7719	11330	*	330
567	GX	--	11360	*	300
221	SM	50	11400	*	600
610	I	7593	11500	*	165
236	UCLA	755	11600	*	160
200	LJ	934	11630	*	500
602	I	7339	11630	*	165
522	W	3071	11700	*	250
97	W	1418	11720	*	500
93	W	1327	11730	*	350
662	GX	5569	11745	*	395
188	W	942	11800	*	1000
101	Y	574A	11810	*	140
452	W	1680	11820	*	400
98	W	1317	12000	*	400
467	UCLA	11230	12000	*	260
655	W	3152	12070	*	350
99	W	1325	12110	*	300
645	GX	6529	12125	*	640
96	W	1318	12200	*	450
523	W	3072	12280	*	250
215	W	892	12390	*	400
103	Y	575A	12420	*	160
463	UCLA	11180	12500	*	800

Table 3. --Continued

ID NO	LAB	NO	DATE	ERROR
104	Y	575B	12730 *	210
214	USGS	33B	12800 *	150
677	USGS	602	12800 *	60
84	LJ	977	13000 *	700
676	USGS	600	13050 *	80
173	W	2461	13060 *	400
517	I	7755	13090 *	210
478	I	443	13150 *	350
524	W	3073	13160 *	300
197	LJ	931	13190 *	500
516	W	3221	13200 *	400
565	USGS	160	13200 *	160
187	W	1201	13300 *	500
5	W	1652	13350 *	500
461	UCLA	11100	13400 *	200
466	UCLA	1123I	13450 *	100
667	GX	--	13470 *	500
401	BETA	1052	13620 *	205
515	W	3213	13650 *	450
199	LJ	933	13670 *	550
95	W	1323	13700 *	350
194	LJ	958	13800 *	600
646	GX	6530	14035 *	510
113	USGS	38	14100 *	200
552	USGS	319	14120 *	160
213	USGS	33A	14300 *	200
260	W	1145	14350 *	400
551	USGS	320	14460 *	120
525	W	3063	14900 *	300
513	W	3217	15010 *	550
576	I	6629	15080 *	190
506	I	7754	15510 *	340
410	GX	6531	15565 *	820
460	UCLA	1110I	16600 *	1000
550	USGS	321	16600 *	140
106	Y	576B	16620 *	320
105	Y	576A	16890 *	210
74	LJ	983	17100 *	900
8	W	1504	17130 *	350
509	I	8370	17440 *	510
527	W	3064	17470 *	300
526	I	7756	17660 *	330
665	GX	5557	17700 *	790
528	W	3066	18340 *	300
73	LJ	982	18600 *	1000
529	W	3068	19110 *	300
117	UCLA	121	19300 *	400
120	LJ	269	19500 *	500
23	UM	2053	20456 *	675
663	GX	5575	20620 +	1180
663	GX	5575	20620 -	1030
664	GX	--	20660 +	1190
664	GX	--	20660 -	1035
536	I	6298	20820 *	380
530	W	3069	21210 *	400
544	I	6677	21600 *	460
86	LJ	902	21900 *	600
542	I	6625	21960 *	520
546	I	6679	22340 *	500
107	Y	577A	22350 *	1750
216	SM	1-8	22400 *	1000
92	W	1324	22500 *	600
79	LJ	989	22530 *	1200
219	SM	35	22600 *	1400
217	SM	33	22800 *	1400
568	GX	--	22960 *	1350
538	I	6477	23000 *	500
683	USGS	835	23000 *	200
484	W	341	23000 *	1400
547	I	6844	23150 *	520
533	I	7932	23300 *	600
556	USGS	193	23500 *	300
532	I	7928	23900 *	640
514	W	3220	24080 *	1000
462	UCLA	1118I	24500 *	1000
108	Y	577B	24690 *	1070
83	LJ	979	24750 *	1300
681	USGS	833	24850 *	190
508	I	8369	24910 *	540
518	W	3218	25890 *	1000
531	W	3070	26150 *	600
483	W	340	26700 *	2000
348	UCLA	966	26700 *	800
3	W	1506	26780 *	600
268	LA	227	>27000	
412	UM	1466	27105 +	590
412	UM	1466	27105 -	550
100	W	1422	27400 *	800
510	W	3198	27490 *	1000
512	W	3206	27540 *	1000
682	USGS	834	28000 *	300
680	USGS	805	28150 *	190
562	GX	--	28200 +	1700
562	GX	--	28200 -	1300
507	W	3200	28320 *	1000
110	A	451	28500 *	4300
68	UM	1632	29040 +	610
68	UM	1632	29040 -	570
264	UCLA	736	29050 *	1100
678	USGS	636	29100 *	420
453	W	1575	29200 *	2000
549	USGS	322	29300 *	390
485	W	343	29500 *	2000
554	USGS	153	29500 *	560
57	USGS	74	>29700	
520	W	3225	29810 *	1000
284	SM	5-8	>30000	
287	SM	6-11	>30000	
288	SM	6-13	>30000	
218	SM	34	>30000	
193	LJ	895	30950 *	1000
111	W	2336	31000 *	1000
559	I	7769	31150 *	1400
71	A	474	>31200	
80	LJ	990	31480 *	1600
679	USGS	637	31500 *	250
660	GX	--	31500 +	2600
660	GX	--	31500 -	1900
443	W	2259	>32000	
648	W	3230	>32000	
90	W	1413	>32000	
661	GX	5568	>32000	
75	LJ	984	32300 *	1600
91	W	1321	32500 *	2000
27	USGS	573	32700 *	700
261	I	5745	>32900	
81	LJ	991	32900 *	1700
498	W	362	>33000	
511	W	3205	33200 *	1000
41	LJ	456	>34000	
641	I	7813	>34000	
519	W	3199	34070 *	1000
67	UM	1631	34380 +	730
67	UM	1631	34380 -	670
263	LA	720A	34500 *	3000
9	UCR	121	>35000	
323	LJGP	45	>35000	
82	LJ	980	>35000	
659	GX	--	>35000	
642	I	7810	35100 *	2100
411	UM	1462	35170 +	1445
411	UM	1462	35170 -	1225
38	UCLA	740	>36000	
617	I	8368	36400 *	2300
262	LA	768C	>37000	
266	LA	285	>37000	
666	GX	--	>37000	
430	USGS	493	37500 *	60
54	USGS	55	>37600	
584	I	6845	>38000	
39	W	1192	>38000	
40	W	1200	>38000	
37	UCLA	728	38000 *	2500
28	USGS	574	38100 *	950
176	UM	2148	>38630	
673	USGS	536A	38900 *	950
207	LJ	3927	>39000	
670	USGS	287	39500 *	650
591	I	7074	>40000	
534	I	7718	>40000	
190	UCLA	647	>40000	
564	I	7809	>40000	
640	I	7815	>40000	
299	I	6979	>40000	
315	I	7940	>40000	
601	I	7338	>40000	
585	I	6975	>40000	
6	W	1503	>40000	
77	LJ	986	>40000	
78	LJ	987	>40000	
502	W	1279	>42000	
503	W	1279	>42000	
504	W	1279	>42000	
649	W	3231	>42000	
400	UM	1545	42185 +	2530
400	UM	1545	42185 -	1920
24	USGS	570	42200 *	1600
31	USGS	429	42400 *	1000
109	A	482	>42500	
669	USGS	173	>42900	
25	USGS	571	43000 *	1700
163	W	2764	>43000	
674	USGS	536B	43300 *	1600
76	LJ	985	>45000	
26	USGS	572	46300 *	2400
72	LJ	981	>50000	
85	LJ	973	>50000	

Table 4.--Compilation numbers (ID NO) enclosed within a square on sheets 1 and 2 are given in column A. Column B lists the additional compilation numbers found in tables 1-3 for samples from the same locality.

A	B	A	B	A	B
	2, 160	240	248	411	412
0	16	243	245	431	432-434
1	12, 17, 18	249	250	446	447
3	14, 15	251	252	451	452
9	20, 21	256	257, 258	464	465
5	26, 27	262	263	469	470-472
3	34, 35, 329	265	560	481	482, 505
2	43	269	270, 608, 609	486	500
6	253-255	271	272	507	508-512
7	48	273	621, 622	513	549-552, 556
2	53, 54	274	630-632	515	516-520
5	56	275	276-281, 488-497	521	522-534
1	473	285	286-288	536	538, 542, 544, 546, 547
7	68	290	291, 292		
1	110	296	317	540	558, 588
6	97	297	298, 299, 316	548	562, 566-569
09	190, 502-504	301	309	553	615, 616, 625
15	116, 381, 382	327	328	554	555, 576
18	590	334	336, 337	557	638, 639
21	122-124	338	339, 340	564	642
25	126-139	341	342, 398, 578, 579, 582	571	572, 589
42	143			592	593
44	145, 146	343	344	601	602
50	151	345	346, 347	603	604
52	153, 154	349	350, 351	611	612, 613
55	156	354	355	618	619
58	227, 427	356	357-359	636	637
64	165-171	361	362	650	651
75	176	363	364, 365	661	662, 665
83	184	366	367	663	664, 665
85	186	369	370	670	673, 674
88	215	371	372	676	677
02	203, 204, 385	374	375, 376	678	679, 680
08	209, 210	378	379	681	682, 683
11	212	388	389	684	685, 686
16	217-222, 483-485	390	391-397, 595, 610	689	690-694
25	475-477	405	406, 407, 413-418		
33	234, 235	408	409, 410, 643-647		

Table 5. --Abbreviations used in tables 1, 2 and 3.

Laboratories	
A	Arizona
BETA	Beta Analytic Inc.
CHGO	Chicago
GAK	Gakushin University
GX	Geochron Laboratories, Inc.
I	Teledyne Isotopes
LA	Lamont
LJ	La Jolla: University of California at San Diego
LJGP	La Jolla Gap
M	University of Michigan
SM	Socony Mobil
TX	University of Texas at Austin
UCLA	University of California at Los Angeles
UCR	University of California at Riverside
UGA	University of Georgia
UM	University of Miami
USGS	U.S. Geological Survey, Menlo Park, CA.
W	U.S. Geological Survey, Reston, VA.
WSU	Washington State University

Materials dated	
Ar	archaeologic items (e.g., textiles)
B	bone collagen
BA	animal bone collagen
BH	human bone collagen
BK	bark
C	charcoal
CD	detrital charcoal
CPF	charcoal and plant fragments
CSL	charcoal and soil
CS	carbonaceous sand
CSI	carbonaceous silt
CSS	carbonaceous sand and silt
CM	carbonaceous mud
CA	calcium carbonate (e.g., marl)
GTY	algal gyttja
HU	humic acid
MW	marine worm tubules
O	organic material - undifferentiated
OS	organic-rich sediment
OC	organic clay
OM	organic mud
ORF	organic rock flour
OSI	organic silt
OL	oolites

Table 5.--Continued.

P	peat
PC	peaty clay
PCS	peaty clay with sand
PM	peaty mud
PSI	peaty silt
PIC	pine cone
PF	plant fragments
PFD	detrital plant fragments
S	shell
SA	abalone shell
SC	clam shell-marine or freshwater
SCF	freshwater clam shell
SG	gastropod shell
SM	mussel shell-marine or freshwater
SMF	freshwater mussel shell
SO	oyster shell
SOL	soil
T	tufa
TA	algal tufa
TE	encrusting tufa
TL	lithoid tufa
TR	organic tufa residue
TS	tufa and shells
W	wood
WAR	wood and archaeologic items
WD	detrital wood
WPF	wood and plant fragments

Depositional environments	
A	alluvial
AC	alluvial channel deposit
AF	floodplain
AFB	floodbasin
AFS	alluvial deposit related to a fault sagpond
Ar	human habitation site or midden
B	beach or storm berm
C	colluvium
D	dune sand
E	estuarine
EAR	archaeological site apparently inundated by relative sea-level rise
EI	intertidal (e.g., salt-water or brackish water marsh)
EIF	faulted intertidal environment
EM	freshwater marsh or swamp
F	fault zone (e.g., along trace of active fault)
FS	sagpond
G	glacial till
L	lacustrine
LS	lacustrine shoreline
LSL	landslide (e.g., including ponds on slide)
M	mudflow
O	outwash (glacial)

Table 5.--Continued.

SOL	soil (e.g., basal paleosol)
SW	swamp
T	terrace
TM	marine terrace
TA	alluvial terrace
V	volcanic (e.g., in pumice flow)

Symbols	
?	maybe.
/	overlying.
*	plus or minus (±) when used in date.
**	reference cited casts doubt on the accuracy of date.
+	published latitude and/or longitude erroneous.
-	locality not plotted on the location map.
--	data not provided in the references cited.

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