GL03038

Department of Energy
San Francisco Operations Office
1333 Broadway
Oakland, California 94612

MAR 25 1980

Mr. Kim Knauf
Geothermal Operations Group
New Mexico State University
Physical Science Laboratory
Box 3 - PSL
Las Cruces, New Mexico 88003

Dear Kim:

To follow up on our discussions in Washington, D.C. last week, enclosed is the latest county by county inventory of geothermal resources in California. According to the California Division of Mines & Geology, the data sheets include resources already identified in USGS Circular 790 as well as additional sites. Unfortunately, all sites are listed together and there is no quick way to ferret out the new data. On the positive side, all sites include longitude and latitude descriptions which should make it easier for you to add to the NMEI data base.

I hope this information is helpful to you. Please let me know if I can help you in any other way.

Sincerely,

Hilary Sullivan

Hilary Sullivan
Program Coordinator
Geothermal Energy Division

Enclosure:
As stated

cc: J. Salisbury, DGE, HQ w/encl.

ALAMEDA

Dash indicates not applicable
Blank indicates no data available
* Calculated estimate

All Latitude in degrees and minutes North
All Longitude " " " " West
x Location approximate

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	DEPTH (meters)	(liters)
-1 ✓	Crohare Spring	37-37.92, 121-45.72	21	660	—	8
-2 ✓	Warm Springs	37-30.18, 121-54.40	27	340	—	38

COUNTY ALPINE

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRINGS (liters/m
AP-1 ✓	Grovers Hot Springs	38-41.90, 119-50.70	64	1720	—	400
P-2 ✓	Unnamed springs	38-46.37, 119-42.78	65		—	475

NTY CALAVERAS

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRINGS (liters/m
-1 X	Valley Springs	38-11.71, 120-49.35	24	3,000	—	4

OUNTY COLUSA

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
CO-1 ✓	Red Eye Spring	39-21.06, 122-40.23	26	14,200	—	> 8
CO-2 ✓	Elgin Mine (spring)	39-03.42, 122-28.25	69	25,900	—	95
CO-3 ✓	Wilbur Hot Springs	39-02.30, 122-25.25	67	25,000	—	<100
CO-4 ✓	Empire Silver Mine (spring)	39-02.26, 122-25.53	38		—	1
~~CO-5~~	~~Abbot Mine (spring)~~		~~30~~	~~5,860~~		~~114~~
CO-5 ✓	Jones Hot Spring (well)	39-02.03, 122-25.62	61			8
CO-6 ✗	Unnamed springs	39-02.09, 122-25.59	61		—	15
CO-7 ✗	Blancks Hot Springs	39-01.87, 122-25.88	49			15

COUNTY CONTRA COSTA

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* Calculated

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
CC-1 ✓	Sulphur Spring 37-54.88, 122-02.52	24	1,050	—	8
CC-2 ✓	Unnamed spring 37-55.75, 121-57.90	23	4,700	—	
CC-3 ✓	Unnamed well 37-56.25, 121-57.25	23	8,210	160	—
CC-4 ✓	Unnamed spring 37-53.67, 121-52.42	21	10,300	—	
CC-5 ✓	Byron Hot Springs 37-50.83, 121-37.83	36	11,900	—	2

COUNTY EL DORADO

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* Calculated

ODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters
ED-1 ✓ X	Wentworth Springs	39-00.78, 120-20.28	24		—	6
ED-2 ✓	Meyers Warm Spring	38-51.00, 120-01.50	24	115	—	19

OUNTY FRESNO

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DE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW O SPRING OR (liters/
R-1 ✓ X	Fish Creek Hot Springs 37-31.90, 119-01.50	43		—	19
R-2 ✓ X	Unnamed spring 37-24.75, 119-08.35	35		—	
R-3 ✓	Mono Hot Springs 37-19.60, 119-01.00	43	1,200	—	200
R-4 ✓	Blaney Meadows Hot Springs 37-14.02, 118-52.88	43	810	—	150
R-5 ✓	Mercey Hot Springs 36-42.20, 120-51.57	48	2,300	—	29
R-6 ✓	Unnamed spring x 36-38.50, 121-41.00	24	26,800	—	
R-7 ✓	Coalinga Mineral Springs 36-08.70, 120-33.37	44	430	—	76

COUNTY GLENN

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* Calculated

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRINGS OR (liters/
L-1 ✓	Salt Spring 39-25.82, 122-32.19	24	22,500	—	2

COUNTY IMPERIAL

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ALL LOCATIONS IN IMPERIAL COUNTY ARE APPROXIMATE

DE No.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
M-1	Fish Springs Artesian Well	33-25.05, 116-02.35	46	11,100		
M-2	Fish Springs	33-24.42, 116-02.10	28	1,900	—	57
M-3	Well 9S/9E-23M1 S	33-22.45, 116-00.80	27	6,200		
M-4	Ballard's Truckhaven Well	33-17.80, 115-58.55	40	3,750	392	
M-5	Well 10S/9E-35N1 S	33-15.10, 116-00.65	59	2,210	604	
M-6	Well 10S/9E-36P1 S	33-15.10, 115-59.25	33	7,480	195	
M-7	Holly Corp. Hot Mineral Well	33-14.85, 116-00.05	58	2,260		
M-8	I. M. Jacobs No. 3 Well	33-07.00, 116-01.15	39		366	
M-9	I. M. Jacobs No. 2 Well	33-07.00, 116-01.00	30		204	
M-10	Landmark Company Well	33-03.85, 116-01.85	35		361	
M-11	Well 14S/11E-32R1 S	32-54.20, 115-50.90	28	1,800 *	300	
M-12	C.L. Smith Well	32-48.25, 115-57.90	29		46	
M-13	J. Green Well	32-46.90, 115-57.00	29		32	
M-14	Dollinger Well	32-46.50, 115-56.40	30		91	
M-15	Miller's Service Station Well	32-43.80, 116-00.90	34		163	
M-16	H.D. Currey Well	32-44.30, 116-00.25	29		107	
M-17	Davis Spring	32-42.45, 116-01.80	27	390	—	
M-18	Texaco I-8 Well	32-43.90, 115-59.70	33		167	
M-19	W. Simpson Well	32-41.35, 115-55.50	29		92	
M-20	Unnamed well	33-25.50, 115-41.50	77	3,540		
M-21	Hot Mineral Spa Well	33-25.55, 115-41.10	81	3,500	99	
M-22	Bashford's Hot Mineral Well	33-25.50, 115-40.75	62		75	
M-23	Fountain of Youth Hot Mineral Well	33-24.20, 115-39.70	60	4,670	192	
M-24	Well 9S/13E-20E1 S	33-22.75, 115-38.60	31	4,080		

NTY IMPERIAL

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DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
M-26 X	Unnamed mud volcanoes	33-20.70, 115-34.20			—	
M-27 X	Unnamed mud volcanoes	33-19.40, 115-34.20			—	
M-28 X	Unnamed mud volcanoes	33-19.40, 115-35.25			—	
M-29 X	Unnamed mud volcanoes	33-18.70, 115-36.40			—	
M-30 X	Unnamed mud volcanoes	33-18.70, 115-35.25			—	
M-31 X	Unnamed mud volcanoes	33-17.10, 115-34.20			—	
M-32 X	Unnamed mud volcanoes	33-17.10, 115-35.30			—	
M-33	Well 11S/14E-2A1 S	33-14.65, 115-28.65	44	1,790	251	
M-34	Unnamed mud pots	33-13.20, 115-34.80	38		—	
M-35	Maisson's Well	33-13.15, 115-34.70	41	23,000		
M-36	Earth Energy "Hudson Ranch" 1 Well	33-12.75, 115-34.20	H		1,871	
M-37	Unnamed mud pots	33-12.75, 115-35.75	38		—	
M-38	Well 11S/13E-22A1 S	33-12.25, 115-35.80	28	1,700 *	46	
M-39	Imperial Thermal Prod. "I.I.D." 3 Well	33-12.15, 115-35.50	105		517	
M-40	Earth Energy "River Ranch" 1 Well	33-12.20, 115-34.65	345		2,470	
M-41	Unnamed mud pots	33-12.00, 115-34.60	38	16,300	—	
M-42	O'Neill "Sportsman" 1 Well	33-12.00, 115-35.25	310		1,441	
M-43	Imperial Thermal Prod. "I.I.D." 1 Well	33-11.50, 115-35.30	221	340,000	1,595	
M-44	Imperial Thermal Prod. "I.I.D." 2 Well	33-11.80, 115-35.90	330	260,000	1,776	
M-45	Earth Energy "Elmore" 1 Well	33-11.00, 115-36.75	280		2,169	
M-46	MPC "Magmamax" 3 Well	33-10.05, 115-37.50	298		940	
M-47	MPC "Magmamax" 2 Well	33-10.05, 115-37.75	278		1,329	
M-48	MPC "Magmamax" 1 Well	33-09.75, 115-37.25	265		690	
M-49	MPC "Woolsey" 1 Well	33-09.75, 115-37.00	113		713	

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DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRWG (liters)
M-51	Western Geothermal "Sinclair" 3 Well	33-08.80, 115-36.75	168	280,000	1,439	
M-52	Unnamed well	33-01.50, 115-31.20	139		2,545	
M-53	C. Bowles Well	33-07.60, 115-28.65	41		280	
M-54	Unnamed well	33-09.70, 115-23.30	31	2,500*		
M-55	Well 12S/15E-26J1 S	33-05.75, 115-22.30	33	1,600*	105	
M-56	Well 12S/15E-27R1 S	33-05.40, 115-23.30	34	1,700*	131	
M-57 ✓	Well 13S/15E-5D1 S	33-04.05, 115-26.90 85	39	2,330	264	40
M-58	Well 13S/15E-3N1 S	33-02.65, 115-24.95	41	1,600	271	
M-59	Well 13S/15E-3Q1 S	33-02.75, 115-24.30	41	1,500*	268	
M-60	Well 13S/15E-1B1 S	33-03.70, 115-22.20	50	3,161	332	
M-61	Well 13S/16E-6A1 S	33-04.00, 115-21.15	32	1,400*		
M-62	Well 12S/16E-31N1 S	33-04.50, 115-21.00	43	3,350	282	20
M-63	Well 13S/16E-6J1 S	33-03.75, 115-20.95	33	1,600*	188	
M-64	F. Schoneman Well	33-03.50, 115-21.00	33	1,730	189	
M-65	Well 13S/16E-6P1 S	33-03.50, 115-21.50	38	1,800*	91	
M-66	Well 13S/16E-6N1 S	33-03.50, 115-21.75	38	1,700*		
M-67	Well 13S/15E-1Q1 S	33-03.50, 115-22.25	29	1,322	122	
M-68	Meyer-Dickerman Well	33-01.80, 115-22.25	36			
M-69	Dickerman-Butters Well	33-01.40, 115-22.00	52			
M-70	Well 13S/15E-16Q1 S	33-01.00, 115-25.45	41	1,610	232	40
M-71	Well 13S/15E-24E1 S	33-01.00, 115-22.80	39	1,400*		
M-72	Well 13S/15E-24N1 S	33-00.10, 115-22.90	43	1,610	213	60
M-73 ✓	Well 13S/15E-23Q1 S	33-00.10, 115-23.30	56	3,020	396	160
M-74	T. Shank Well	32-58.95, 115-26.95	44	2,640	307	

..NTY IMPERIAL

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E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW O SPRWG OR (liters/m
-76 ✓	Magnolia School Well	32-58.95, 115-25.30	51	3,410	425	140
-77	Well 13S/15E-33K1 S	32-58.45, 115-25.45	33	6,000 *	319	
-78 ✓	M. Phegley Well S	32-58.50, 115-24.90	44	1,960	291	40
-79	Fifield-Hoeppner Well	32-58.50, 115-24.40	44		319	
-80	Orita Stage Station Well	32-58.50, 115-24.10	43		274	
-81 ✓	B. Emanuelli Well	32-58.95, 115-20.10	41			
-82	Well 13S/16E-28R1 S	32-59.20, 115-18.95	36	1,800 *		
-83	Mamer-Shank Well	32-57.20, 115-25.95	31		244	
-84	J. Birger Well	32-56.60, 115-25.90	31	3,400	118	20
85	Moiola Feed Lot Well	32-57.20, 115-23.90	42	1,820	199	28
86 ✓	Gisler-Bowman Well	32-56.40, 115-24.50	49	2,120	355	240
87 ✓	Mendiburu Feed Lot Well	32-56.65, 115-22.75	52	2,970	378	
88	F. Borchard Well	32-57.55, 115-19.30	38	1,390	139	48
89	F. Borchard Well	32-57.65, 115-19.30	38	1,370	140	
90	Well 14S/16E-11H1 S	32-57.00, 115-16.90	34	1,310	87	
91	Well 14S/16E-16B1 S	32-56.30, 115-19.20	35	1,250 *	137	
12	Well 14S/16E-16K1 S	32-55.90, 115-19.20	29	1,020	122	4
3	Well 14S/16E-21D1 S	32-55.45, 115-19.75	36	1,400 *	137	
4	Well 14S/16E-21B1 S	32-55.45, 115-19.20	35	1,250 *		
5	Well 14S/16E-22D1 S	32-55.45, 115-18.70	45	2,580	216	20
6	Coons Well	32-54.15, 115-18.75	31			
7 ✓	Well 14S/16E-19N1 S	32-54.90, 115-21.85	50	2,250 *	346	
8	J. Birger, Sr. Well	32-55.00, 115-23.85	39	1,740	230	20
1	J. Birger, Jr. Well	32-54.60, 115-24.20	32	1,920	123	16

NTY IMPERIAL

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DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRWG (liters)
n-101	Jenson Well	32-53.75, 115-24.40	30	2,140	109	120
n-102	Gaddis Well	32-53.10, 115-24.45	36	2,150	187	60
n-103	Well 15S/15E-1H1 S	32-52.60, 115-22.25	38	1,241	177	
n-104	Well 15S/16E-7F1 S	32-51.75, 115-21.50	27	1,500 *	158	
n-105	Hooke Well	32-51.50, 115-21.15	36	1,610	212	12
n-106	Well 15S/15E-12H1 S	32-51.75, 115-22.15	39	1,400 *		
n-107	Unnamed well	32-51.70, 115-22.50	38	1,028		
n-108	C. Allen Well	32-50.90, 115-23.90	40	1,750	263	40
n-109	Well 15S/15E-13N1 S	32-50.40, 115-22.75	36	1,300 *	244	
n-110	Well 15S/15E-15F1 S	32-50.95, 115-24.60	38	1,700 *	263	
n-111	Well 15S/15E-10G1 S	32-51.75, 115-24.40	31	1,797	140	
-112	Well 15S/15E-9E1 S	33-00.10, 115-23.35	33	2,956	189	
-113	Unnamed well	32-50.85, 115-27.60	38			
-114	Well 15S/14E-13E1 S	32-50.90, 115-28.90	35	9,500 *	36	
-115	Magma Energy "Bonanza" 1 Well	32-50.00, 115-30.50	H		1,531	
-116	Unnamed well	32-52.00, 115-34.50	30	10,250		
-117	Magma Energy "Fed-Rite" 1 Well	32-41.20, 115-29.40	H		1,640	
-118	Magma Energy "Holtz" 2 Well	32-42.90, 115-33.60	159		1,490	
119	Magma Energy "Holtz" 1 Well	32-42.95, 115-32.75	168		1,531	
120	Chevron "Nowlin Partnership" 1 Well	32-42.90, 115-31.60	H		1,533	
121	Well 15S/15E-26B1 S	32-49.25, 115-23.35	38	1,290	396	
22	Well 15S/15E-25D1 S	32-49.35, 115-22.95	37	1,313		
23	Well 15S/15E-25F1 S	32-49.20, 115-22.50	40	1,600 *		
24	Well 15S/15E-25B1 S	32-49.30, 115-22.00	42			

NTY IMPERIAL

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ODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
IM-126	Well 15S/15E-36D1 S	32-48.60, 115-22.80	28	959		
IM-127	Well 15S/15E-35A1 S	32-48.60, 115-22.95	37	2,083	355	
IM-128	Spanish Trails Park Well	32-48.95, 115-21.85	43		473	
IM-129	A. Fusi, Jr. Well	32-48.75, 115-21.30	41	1,600	305	
IM-130	Well 15S/16E-29Q2 S	32-48.70, 115-20.25	37	1,350 *		
IM-131	R. Garewal Well	32-50.60, 115-18.50	32	1,460	245	
M-132	Well 15S/16E-22L1 S	32-49.95, 115-18.40	38	1,750 *	229	
M-133	Well 15S/16E-23F1 S	32-50.05, 115-16.75	34	1,300 *	171	
M-134	Well 15S/16E-36E1 S	32-48.25, 115-16.50	38		192	
M-135	Magma Energy "Sharp" 1 Well	32-48.00, 115-17.20	126		1,851	
M-136	C. Ansiel Well	32-47.35, 115-19.40	38	2,080	287	
M-137	U.S.B.R. Mesa 6-2 Well	32-47.20, 115-15.30	187		1,804	
M-138	U.S.B.R. Mesa 6-1 Well	32-47.20, 115-14.90	202		2,426	
M-139	U.S.B.R. 6-1S1 Well	32-47.20, 115-14.75	33		46	
M-140	U.S.B.R. Mesa 5-1 Well	32-47.70, 115-13.80	-		1,829	
M-141	U.C. Riverside 127 Well	32-45.90, 115-14.20	83	3,278	429	
M-142	Linden Gravel Well	32-45.90, 115-16.20	49		247	
M-143	Schneider-Guthrie Well	32-46.15, 115-16.60	42		251	
M-144	Watton Labor Camp Well	32-45.90, 115-17.00	44	1,680	344	
M-145	Well 16S/16E-15B1 S	32-45.90, 115-18.~~40~~ 20	37	1,420 *	305	16
M-146	Lechuga Store Well	32-45.40, 115-20.20	41			
M-147	Well 16S/16E-33D1 S	32-43.35, 115-19.70	42		244	
M-148	L. Bornt Well	32-41.55, 115-20.00	38	1,460	218	
M-149	Magma Energy "Sharp" 2 Well	32-42.90, 115-17.90	H		1,977	

NTY IMPERIAL

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E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW O SPRING OR (liters/
-151	Erma Mine Well	32-59.90, 114-58.90	30		213	
-152	Gold Rock Ranch Well	33-52.10, 114-54.70	37		210	
-153	U.S.B.R.-U.C. Riverside No. 115 Well	32-48.15, 115-00.90	100		107	

COUNTY INYO

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CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW (SPRINGS ONLY) (liters/
N-1	Keough Hot Springs	37-15.23, 118-22.59	51	510	—	2,000
N-2	Unnamed springs	37-16.05, 118-16.33	29		—	
N-3 X	Grapevine Spring	37-01.61, 117-23.00	38		—	
N-4 X	Upper Warm Spring	36-49.92, 117-44.22	W		—	
N-5	Palm Springs	36-48.78, 117-45.92	49	1,000	—	
N-6	Lower Warm Springs	36-48.35, 117-46.30	43	1,050	—	
N-7	Little Hunter Canyon Springs	36-41.87, 117-50.88	27	540	—	568
N-8	Unnamed springs	x 36-29.70, 117-53.60	30	2,150 *	—	57
N-9 X	Dirty Socks Hot Spring (well)	36-19.75, 117-56.90	34	5,530 *	183	380
N-10	Devil's Kitchen fumarole	36-02.08, 117-47.92	97	2,500	—	
N-11	Coso Hot Springs	36-02.77, 117-46.15	97	2,500	—	
N-12	Unnamed fumarole	36-02.02, 117-49.98	97		—	
N-13 X	Unnamed spring	x 36-56.40, 117-54.15	27	920	—	4
N-14	Bainter Spring	35-50.57, 117-22.90	33	230	—	8
N-15	Well 24S/43E-22M1 M	35-49.78, 117-19.77	32	13,000	91	
N-16	Well 24S/43E-9P1 M	35-51.35, 117-20.43	58	53,900	183	
N-17 X	Warm Sulphur Springs	36-07.35, 117-12.90	27		—	4
N-18 X	Warm Spring	36-58.00, 116-55.87	W	420	—	
N-19	Tecopa Hot Springs	35-52.32, 116-13.83	48	2,400	—	15
N-20 X	Resting Spring	35-52.65, 116-09.36	27		—	988
N-21	Well 21N/7E-28P1 S	x 35-53.15, 116-14.00	48		122	
N-22 X	Unnamed spring	35-53.30, 116-15.47	W		—	
N-23 X	Chappo Spring	35-56.87, 116-11.30	27		—	380
N-24	Shoshone Spring	35-58.80, 116-16.38	32	1,000	—	
N-25	[illegible]	36-26.45, 116-48.75	32	700	—	

NTY INYO

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DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters/
-26	Nevares Springs	36-30.73, 116-49.25	39	800	—	1,325
-27	Keane Wonder Spring	36-40.57, 116-55.55	34	3,630	—	114

OUNTY KERN

Dash indicates not applicable
Blank indicates no data available
* Calculated estimate

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
R-1 X	Unnamed spring	35-43.70, 118-24.62	45		—	15
R-2	Scovern Hot Springs	35-37.23, 118-28.38	56	420	—	150
R-3 X	Miracle Hot Springs	35-34.53, 118-31.84	48		—	76
R-4 X	Delonegha Springs	35-34.40, 118-36.77	44		—	95
R-5 X	Unnamed spring	35-32.12, 118-38.97	W		—	
R-6 X	Democrat Hot Springs	35-31.73, 118-40.02	46		—	95
R-7 X	Yates Hot Spring	35-25.98, 118-28.73	38		—	76
R-8	Well 26S/39E-19Q1 M	x 35-39.15, 117-49.18	31	430	112	
R-9	Well 26S/39E-24P1 M	x 35-39.20, 117-44.00	34	210	252	
R-10	Well 26S/40E-22P1 M	x 35-39.20, 117-39.80	32	1,000	253	
R-11	Well 27S/40E-7G1 M	x 35-36.20, 117-42.70	30	1,760	125	
-12 X	Warm Spring	35-08.85, 118-46.98	W		—	
-13	Well 28S/27E-7C2 M	x 35-30.80, 119-06.50	29	170		
-14	Mize Spring	x 35-29.00, 119-55.00	23	3,060	—	
-15	Carneros Spring	35-26.33, 119-50.78	32	360	—	190
-16	Unnamed spring	x 35-21.75, 119-43.60	34	2,830	—	

NTY LAKE

Dash indicates not applicable
Blank indicates no data available
* Calculated

NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRING OR (liters/
-1	Crabtree Hot Springs	39-17.43, 122-49.30	41	5,350	—	76
-2	Unnamed spring	x39-12.00, 122-43.50	32		—	19
-3	Newman Springs	x39-11.90, 122-42.90	33		—	95
-4	Complexion Spring	39-10.22, 122-30.75	23	34,700	—	1
-5	Unnamed springs (Chalk Mountain)	x39-04.50, 122-35.00	24	15,000 *	—	11
-6	Unnamed spring	x39-03.30, 122-35.60	21		—	
-7	Unnamed spring	39-01.31, 122-35.51	27		—	
-8	Sulphur Bank wells	x39-00.25, 122-39.75	186		1.424	
-9	Sulphur Bank Hot Springs	x39-00.20, 122-39.80	80	8,000	—	
-10	Unnamed springs	x38-59.15, 122-44.15	38		—	19
-11	Kettenhofen No. 1 Well	x38-56.90, 122-44.90	187		2,385	
-12	Big Soda Spring	39-00.48, 122-47.23	32	1,180	—	1,520
-13	Unnamed wells	x38-58.70, 122-50.00	26	2,400		38
-14	Highland Springs	38-56.26, 122-54.47	29	1,500	—	76
-15	England Springs	x38-53.80, 122-52.90	24		—	30
-16	Carlsbad Spring	38-55.08, 122-47.90	24	1,700	—	15
17	Sullivan No. 1 Well	x38-53.12, 122-47.50	82		1,872	
18	Gordon Hot Springs	x38-50.10, 122-43.85	35	385	—	57
19	Seigler Springs	38-52.56, 122-41.28	52	1,600	—	50
20	Howard Springs	38-51.50, 122-40.40	45	3,000	—	700
21	Spiers Springs	x38-50.00, 122-39.00	29		—	57
22	Anderson Springs	38-46.36, 122-42.45	53	750	—	100
23	Harbin Springs	38-47.32, 122-39.38	49	500	—	200
24	Castle Hot Springs	38-46.25, 122-42.97	73	400 *	—	250
	[illegible]	38-53.52, 122-31.92	24	[illegible]	—	[illegible]

ANTY LASSEN

Dash indicates not applicable
Blank indicates no data available
* Calculated

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
-1	Bare Ranch Spring	x 41-10.00, 120-02.00	32	190	—	19
-2 X	Warm Spring	41-09.75, 120-24.23	21		—	
-3	Kellog Hot Spring	41-07.55, 121-01.50	78	880	—	15
-4	Bassett Hot Springs	41-08.70, 121-06.65	79	820	—	200
-5 X	Unnamed springs.	x 41-00.80, 121-16.35			—	
-6	Roosevelt Swimming Pool Well	40-24.55, 120-39.73	38			
-7	Church of Latter Day Saints Well	40-24.38, 120-39.60	53		172	
-8	Wirth Well	40-24.43, 120-39.24	49		42	
-9	North State Growers Well	40-24.28, 120-39.38	61	690	190	
-10	N. No. 1 Well "	40-24.52, 120-39.52	63			
-11	Lassen Lumber and Box No. 2 Well	40-24.08, 120-38.85	37			
-12	Eagle Lake Lumber Co. Well	x 40-24.20, 120-37.90	27	450		
-13	Unnamed well	x 40-24.80, 120-39.50	53			
-14	Well 30N/13E-31R1 M	x 40-24.50, 120-33.00	26			
-15 X	Sellicks Springs	x 40-34.00, 120-19.50	22		—	3,990
-16 X	Tipton Springs	x 40-34.80, 120-15.90	21		—	3,515
-17	Well 29N/15E-16G1 M	40-22.40, 120-17.60	27			
-18	Wendel Hot Springs	40-21.35, 120-15.33	96	1,040	—	1,200
-19	Magma Power Co. Well (Wendel)	x 40-21.50, 120-15.25	79		192	
-20	Well 29N/16E-30L1 M	x 40-20.55, 120-13.30	28	280	93	
21	Magma Power Co. Wells (Amedee)	x 40-18.00, 120-11.50	107		334	
22	Amedee Hot Springs	40-18.25, 120-11.75	95	880	—	6,840
23	Well 28N/17E-20J1 M	x 40-15.90, 120-04.50	27			
24 X	High Rock Spring	40-14.80, 120-00.40	30		—	1,995

NTY. LASSEN

Dash indicates not applicable
Blank indicates no data available
* Calculated

NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRINGS OR
-26X	Zamboni Hot Springs 39-55.30, 120-01.45		-	—	

ONTY LOS ANGELES

Dash indicates not applicable
Blank indicates no data available
* Calculated

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW D SPRWS OR (liters/
A-1	Warm Springs	34-36.43, 118-33.73	33	1,210	—	19
A-2	Well 6N/12W-13N1 S	x 34-36.15, 118-06.50	27	190		
A-3	Well 4N/16W-1Q1 S	x 34-27.25, 118-30.75	28	1,050 *		
A-4	Seminole Hot Springs (well)	34-06.45, 118-47.45	46	565	915	57
A-5	Well 1N/16W-14K1 S	x 34-10.00, 118-31.50	36	1,690		
-6	El Encino Springs	34-09.55, 118-29.93	26	1,160	—	65
-7	Bimini Hot Springs (well)	34-04.15, 118-17.44	40	1,800	534	380
-8	Well 2S/14W-14C2 S	x 34-01.10, 118-19.00	27	430		
-9	Well 1S/9W-1F1 S	x 34-06.90, 117-46.80	36	600 *		
-10	Well 2S/11W-8N1 S	x 34-00.30, 118-03.70	29	600 *		
-11	Alvarado Hot Springs (well)	33-58.55, 117-53.18	44	7,740	1,525	
-12	Well 3S/11W-14H4 S	x 33-54.75, 117-59.75	34	410		
-13	Well 4S/13W-27N1 S	x 33-47.50, 118-14.10	28	270		
-14	Well 5S/13W-6D1 S	x 33-46.50, 118-17.00	31	1,530		
-15	Unnamed spring	x 33-48.10, 118-24.00	25		—	
-16	Whites Point Hot Springs	x 33-42.90, 118-19.10	46		—	

COUNTY MADERA

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW (SPRING OR WELL) (liters/
MA-1	Reds Meadow Hot Springs 37-37.10, 119-04.40	46	920	—	50

OUNTY MARIN

Dash indicates not applicable
Blank indicates no data available
* Calculated

ODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRWG (liters
MR-1	Rocky Point Springs 37-53.15, 122-37.72	32	14,000	—	8

OUNTY MENDOCINO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters
IN-1	Jackson Valley Mud Springs	39-39.47, 123-35.22	27	31,900	—	1
IN-2	Pinches Spring	39-41.77, 123-28.95	21	1,000	—	196
IN-3	Muir Springs	39-25.73, 123-18.45	20	1,830	—	0
IN-4	Orrs Hot Springs	39-13.77, 123-21.87	40	450	—	95
IN-5	Vichy Springs	39-09.95, 123-09.42	29	2,670	—	65
IN-6 X	Cal-Dri Ice Company Wells	x 39-00.30, 123-06.50		8,350 *	241	
IN-7	Point Arena Hot Springs	38-52.63, 123-30.55	44	310	—	19

OUNTY MERCED

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
C-1	Spring in San Luis Forebay	x 37-05.00, 121-02.50	21	2,000 +	—	
C-2	Iridat Spring	36-46.42, 120-53.94	23	380	—	76
C-3	Unnamed spring	36-46.02, 120-53.97	27	490	—	38

TY MODOC

Dash indicates not applicable
Blank indicates no data available
* Calculated

NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW OF SPRING OR WE (liters/mi
1X	Warm Spring	41-57.52, 120-56.57	W		—	
2X	Pothole Spring	41-49.50, 120-54.95	26		—	38
3	Well 47N/14E-2G5 M	x 41-56.75, 120-19.15	47	470	61	
4	Fort Bidwell Hot Spring	41-51.70, 120-09.55	45	460	—	400
5	Well 46N/16E-31R1 M	41-48.47, 120-10.25	28	260	13	
6	Well 45N/16E-17M1 M	41-46.00, 120-10.87	53	1,060	24	
7	Well 44N/16E-6E2 M	x 41-42.85, 120-11.85	25	430	137	
8	Magma Energy Inc. Wells	x 41-40.30, 120-13.00	160		1,508	
9	Springs at Lake City mud volcano	x 41-40.10, 120-12.50	97	1,210	—	50
10	Hutchen's Well	x 41-35.00, 120-10.20	48		124	
11	Unnamed well	x 41-34.90, 120-10.75	69		194	
12	Robison's Well	x 41-33.95, 120-11.50	50		77	
13	Leonards Hot Springs (west)	41-35.92, 120-05.48	41	1,160	—	200
14	Seyferth Hot Springs	41-36.95, 120-06.20	85	1,100	—	500
15	Leonards Hot Springs (east)	41-36.09, 120-05.10	65	1,180	—	300
16	Surprise Valley Mineral Wells	x 41-32.00, 120-04.60	98	1,000	27	300
17	Unnamed springs	41-31.78, 120-05.22	98	1,000 *	—	600
18	Benmac Hot Springs	41-31.83, 120-04.93	97	1,000 *	—	750
19	Menlo Baths Hot Springs	41-15.95, 120-04.74	59	370	—	500
20	Unnamed spring	x 41-12.50, 120-03.25	43	220	—	
21	Unnamed spring	x 41-13.15, 120-03.95	41	210	—	150
22	Unnamed spring	x 41-11.50, 120-23.00	77	1,220	—	12
23X	Unnamed spring	x 41-11.80, 120-28.25	W		—	
24X	Warm Spring	41-15.20, 120-31.24	24		—	

NTY MODOC

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW'D SPRING OR (liters/
1D-26	Old Williams Ranch Well	x41-15.70, 120-31.75	44	230	38	
1D-27X	Unnamed spring	x41-21.60, 120-43.40	27		—	380
1D-28X	Unnamed spring	x 41-28.00, 120-31.50	22		—	4
1D-29X	Unnamed spring	x 41-32.50, 120-34.00	27		—	38
1D-30X	Essex Springs	41-29.57, 120-41.95	33		—	500
1D-31X	Unnamed spring	41-29.10, 120-45.85	27		—	1,045
1D-32	Kelly Hot Spring	41-27.24, 120-50.08	92	900	—	1,250
1D-33	Kelly Hot Spring Ranch Well	x41-27.10, 120-50.10	116		1,035	
1D-34	Little Hot Spring	41-13.83, 121-24.20	76	940	—	300

COUNTY MONO

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
10-1 X	Unnamed springs	x 38-37.60, 119-30.25		370	—	
10-2	Unnamed well	x 38-31.50, 119-28.50	W			
10-3	Unnamed well	x 38-32.00, 119-28.00	W			
10-4	Fales Hot Springs	38-21.03, 119-24.02	82	2,400	—	1,90
10-5	Magma Power Company Well	x 38-21.00, 119-24.00	38		126	
10-6	Buckeye Hot Springs	38-14.35, 119-19.50	60	1,230	—	400
10-7	Travertine Hot Springs	38-14.78, 119-12.25	82	4,320	—	50
0-8	The Hot Springs	38-13.45, 119-12.87	45	4,390	—	100
0-9	Magma Power Company Well	x 38-13.50, 119-12.75	51		300	
0-10	Warm Spring	38-12.13, 119-07.24	25		—	2
0-11	Dechambeau's Well	38-02.87, 119-04.85	66	1,490	287	228
0-12	Unnamed spring	x 38-03.25, 119-03.80	54	1,600	—	
-13	State PRC 4572.1 Well	x 38-01.47, 119-05.00	57		743	
-14	Warm Springs	38-02.00, 118-54.25	31	1,930	—	95
-15	Unnamed springs	37-59.75, 119-01.40	86	25,000	—	100
-16	State PRC 4397.1 Well	x 37-56.35, 119-01.80	54		1,220	
-17	Unnamed spring	x 37-56.40, 119-01.15	42	2,500	—	150
-18	Unnamed spring (Mono Craters Tunnel)	37-50.15, 119-00.95	36		—	
-19 X	Unnamed fumaroles	37-37.15, 119-01.67			—	
-20	Casa Diablo Hot Springs	37-38.75, 118-54.90	82	1,700 *	—	36
-21	Magma Power Company Wells	x 37-38.75, 118-55.00	178	1,530	324	
-22	Little Hot Creek Springs	37-41.40, 118-50.40	82	1,240	—	720
-23	Hot Creek Springs	37-39.87, 118-49.65	93	1,100	—	15,000
-24	Casa Diablo Hot Pool	37-38.81, 118-51.57	68	1,225	—	420

NTY MONO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW (SPRINGS OF (liters/
0-26	Unnamed springs	×37-40.15, 118-47.00	53	1,270	—	
0-27	Whitmore Hot Springs	37-37.85, 118-48.70	35	510	—	1,561
0-28	Unnamed springs	×37-38.60, 118-45.45	41	1,500*	—	150
0-29	Unnamed springs	37-38.20, 118-43.45	22		—	
0-30	Unnamed springs	37-43.15, 118-44.25	24		—	
0-31	Benton Hot Springs	37-48.05, 118-31.80	57	320	—	800
0-32X	Bertrand Ranch Springs	×37-53.50, 118-29.50	21		—	380

OUNTY MONTEREY

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
IT-1	Unnamed spring	36-37.10, 121-50.67	38		—	
IT-2 X	Unnamed spring	× 36-19.87, 121-50.57	46		—	
IT-3 X	Unnamed spring	× 36-15.00, 121-41.00			—	
IT-4	Slates Hot Springs	36-07.38, 121-38.12	50	250	—	285
IT-5	Dolans Hot Springs	36-05.02, 121-35.18	37	160	—	114
IT-6	Tassajara Hot Springs	36-14.02, 121-32.95	62	360	—	576
IT-7	Paraiso Springs	36-19.87, 121-22.12	37	910	—	38
T-8	Sulphur Spring	36-19.88, 121-21.97	31	900	—	
T-9	Table Mountain (spring)	× 35-54.50, 120-22.00	31	1,500 +	—	

COUNTY NAPA

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
NA-1	Unnamed spring	× 38-50.00, 122-21.40	22	3,190	—	19
NA-2	Aetna Springs	38-39.13, 122-29.00	33	1,970	—	40
NA-3	Calistoga Power Company Well	38-35.73, 122-36.02	137		350*	
NA-4	Pacheteau's Well	38-34.93, 122-34.43	99	660	46	1,97
NA-5	Calistoga Hot Springs	38-34.93, 122-34.37	78	710	—	
NA-6	Well 8N/6W-4F1 M	× 38-34.45, 122-31.90	82	690	63	
NA-7	Phillips Soda Springs	× 38-31.30, 122-15.65	24		—	38
NA-8	Napa Rock Soda Springs	38-31.12, 122-15.58	26	1,750	—	85
NA-9	Well 8N/6W-25H2 M	× 38-31.05, 122-28.20	22			
NA-10	White Sulphur Springs	38-29.43, 122-29.80	36	700	—	34
NA-11	Well 7N/5W-3M1 M	× 38-29.10, 122-24.40	25		184	
NA-12	Well 7N/5W-15A1 M	× 38-27.80, 122-23.65	22		93	
NA-13	Well 7N/5W-14G1 M	× 38-27.55, 122-22.85	21		70	
NA-14	Well 7N/5W-26D1 M	× 38-26.05, 122-23.45	27		5	
NA-15	Well 7N/5W-26E1 M	× 38-25.85, 122-23.35	30	355	17	
NA-16	Napa Vichy Springs	38-20.33, 122-15.55	24		—	4
NA-17	Well 6N/4W-23J1 M	× 38-21.00, 122-15.90	30		184	
NA-18	Unnamed spring	× 38-19.25, 122-16.25	28		—	
NA-19	Well 6N/4W-24M1 M	× 38-21.05, 122-15.60	24			

OUNTY ORANGE

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRWG (liters
R-1	La Vida Mineral Springs Well	x 33-56.10, 117-47.50	43	4,360	-	76
R-2	Well 3S/9W-22C2 S	x 33-54.15, 117-48.75	73	590		
R-3	Seguro No. 1	x 33-41.37, 118-00.37	218		2,777	
R-4	Obrien "Porter" No. 2 Well	x 33-41.00, 117-59.75	H			
R-5	McCasden Well	x 33-40.13, 118-00.82	H			
R-6	Beloit "Davenport" Well	x 33-40.50, 117-59.50	H			
R-7	Fairview Hot Spring	x 33-40.40, 117-55.10	36		—	
R-8	Well 5S/9W-34Q1 S	33-41.30, 117-48.23	30			
R-9	Well 7S/8W-16Q1 S	x 33-33.40, 117-43.00	28	1,150		
R-10	Unnamed spring	33-30.82, 117-36.26	35	440	—	
R-11	San Juan Hot Springs	33-35.34, 117-30.02	49	320	—	57

OUNTY PLACER

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
PC-1	Brockway Hot Springs	39-13.60, 120-00.75	55	430	—	570

COUNTY PLUMAS

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
PL-1	Unnamed spring	40-26.55, 121-24.75	28		—	30
PL-2	Devil's Kitchen	40-26.48, 121-26.00	95	1,400	—	190
PL-3	Terminal Geyser	40-25.28, 121-22.60	96		—	30
PL-4	Drake Hot Springs	40-26.55, 121-24.15	66	600 *	—	76
PL-5	Boiling Springs Lake	40-26.14, 121-23.80	88		—	
PL-6	Terminal Geyser Well	x40-25.25, 121-22.60	129		387	
PL-7 X	Indian Valley Hot Springs	40-08.48, 120-56.02	41		—	30
PL-8 X	Unnamed spring	40-01.17, 121-02.17	37		—	133
PL-9	McClear's Warm Springs	39-43.75, 120-32.87	30	210	—	530
PL-10	Marble Hot Wells	39-45.38, 120-21.50	73	1,400	104	180
PL-11	Well 22N/14E-25H1 M	39-43.86, 120-21.20	39	1,180	7	40
PL-12	Well 22N/15E-17C3 M	x39-45.90, 120-19.45	29		290	
PL-13	Well 23N/15E-36J2 M	x39-48.05, 120-14.45	26	200	190	
PL-14	Well 22N/15E-23C1 M	x39-45.00, 120-16.20	28	190	232	
PL-15	Well 22N/15E-28L1 M	x39-43.75, 120-18.33	32	180		
PL-16	Hagge Well	x39-43.30, 120-19.30	40			3
PL-17	Well 22N/15E-32F1 M	x39-42.95, 120-19.45	93	1,600	335	50
PL-18	Well 22N/15E-32R1 M	39-42.55, 120-19.00	52		274	
PL-19	Well 22N/15E-33M1 M	39-42.92, 120-18.60	32			

COUNTY RIVERSIDE

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
RV-1	Glen Ivy Hot Spring (well)	33-45.37, 117-29.67	55	300	—	
RV-2	Well 3S/7W-11F1 S	x33-65.50, 117-35.25	48		280	
RV-3	Well 3S/3W-2L1 S	33-56.33, 117-09.90	27	280		
RV-4	Well 3S/2W-7P1 S	x 33-55.20, 117-08.00	40			
RV-5	Highland Springs	33-58.17, 116-56.50	44		—	
RV-6	Eden Hot Springs	33-53.80, 117-03.25	43	320	—	114
RV-7 X	Unnamed spring	33-51.95, 117-05.96			—	
RV-8	Lakeview Hot Springs	33-50.27, 117-08.67	38		—	11
RV-9	Gilman Hot Springs	33-50.10, 116-59.20	47	850	—	76
RV-10	Soboba Hot Springs	33-48.05, 116-55.60	39	250	—	95
RV-11	Well 5S/1E-5M2 S	x 33-45.80, 116-54.40	49	120		
RV-12	Well 5S/1W-16C1 S	x 33-44.50, 116-59.50	39	1,210		
RV-13	Wrenden Hot Springs	x 33-40.15, 117-19.65	48	300	—	0
RV-14	Elsinore Hot Springs	x 33-40.05, 117-19.65	52	300	—	0
RV-15	Well 6S/2W-10D1 S	33-40.23, 117-04.94	37	850	34	
RV-16	Unnamed well	33-40.25, 117-03.82	37	640		
RV-17	Well 5S/1W-32Q1 S	33-41.15, 117-00.13	28	2,280	27	
RV-18	Well 6S/1W-4J2 S	33-40.70, 116-58.77	59	380	40	
RV-19	Well 6S/2W-10E1 S	33-40.00, 117-04.97	49	2,260	6	
RV-20	Well 6S/2W-15D1 S	33-39.33, 117-04.95	25	470	5	
RV-21	Well 6S/4W-34J2 S	33-36.27, 117-16.52	40	880	43	
RV-22	Well 6S/4W-35D1 S	33-36.73, 117-16.44	43	470	60	
RV-23	Temecula Hot Springs	x33-33.20, 117-10.05	47	720	—	
RV-24	Well 8S/3W-7D3 S	x33-30.20, 117-14.35	29	820		
RV-25	Murrieta Hot Springs	33-33.50, 117-09.33	56	750		

RIVERSIDE

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW'D SPRWG DI (liters/
RV-26	Well 7S/2W-3N1 S	33-35.03, 117-04.97	40	1,130	—	
RV-27	Well 7S/2W-2P2 S	33-35.17, 117-03.44	37	880		
RV-28 X	Unnamed springs	x33-32.50, 116-44.50				
RV-29	Agua Caliente Spring	33-49.40, 116-32.67	40	240	—	122
RV-30	Unnamed well	x33-54.50, 116-22.30	49			
RV-31	Unnamed well	x33-53.95, 116-21.80	44	1,120	131	
RV-32	Well 5S/6E-24N2 S	x33-43.00, 116-19.00	83	290	109	
RV-33	Well 7S/9E-18M1 S	33-33.70, 116-05.55	32	190		
RV-34	Well 8S/8E-10B1 S	x33-29.75, 116-08.25	33	720		
RV-35	Well 8S/8E-13Q1 S	33-28.20, 116-06.20	32	200		
RV-36	Well 8S/9E-29Q1 S	33-26.47, 116-04.15	43	420	118	
RV-37	Well 8S/9E-29R1 S	33-26.45, 116-03.85	39	450		
RV-38	Dos Palmas Spring	33-30.65, 115-49.57	29	1,500	—	950
RV-39	Hunter's Spring Wells	33-29.30, 115-47.45	32	2,000		
RV-40	Canyon Spring	33-32.71, 115-34.20	36	24,500	—	
RV-41	Kaiser North Well	x33-56.50, 115-25.00	29			
RV-42	Thurman Ragsdale Well	x33-49.50, 115-25.50	40		183	
RV-43	Stanley Ragsdale Well	x33-42.75, 115-24.25	33		183	
RV-44	Sunland Oil Well	33-42.35, 115-26.40	30		198	
RV-45	Lazy C Trailer Park Well	x33-44.45, 115-22.20	30			
RV-46	Division of Highways Well	x33-42.75, 115-24.35	32		178	
RV-47	S.D. Trailer Park Wells	x33-43.00, 115-23.75	34		152	
RV-48	Howard Brown Well	33-44.95, 115-21.38	35		198	
RV-49	Desert Center Airport Well	33-45.20, 115-19.90	30		69	
[illegible]	[illegible]	33-37.50, 115-19.48	[illegible]	1,030		

COUNTY RIVERSIDE

Dash indicates not applicable
Blank indicates no data available
* Calculated Tem

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
V-51	McCoy Spring	33-43.98, 114-54.40	28	555	—	
V-52	Wiley Well	× 33-36.55, 114-54.10	48		518	
V-53	L.C. Winters Well	× 33-41.75, 114-40.60	31	1,290	116	
V-54	Well 6S/22E-9P1 S	× 33-39.75, 114-41.15	32	1,670	84	
V-55	Well 6S/22E-20A1 S	× 33-38.75, 114-41.65	31	840	84	
V-56	Riverside County Airport Well	× 33-36.75, 114-42.50	31			
V-57	Mesa Verde Well	× 33-37.00, 114-44.00	31		110	
V-58	Nicholls Warm Springs (well)	33-36.20, 114-43.67	33		195	
V-59	Basha #3 Well	× 33-34.10, 114-44.75	45	4,550	417	
V-60	Bill Passey Well	33-36.25, 114-41.54	31	1,520	171	
V-61	Basha #1 Well	× 33-37.55, 114-40.80	31	930		
V-62	E. Weeks Well	× 33-38.80, 114-39.75	33	750	178	
V-63	E. Fortner Well	× 33-41.75, 114-39.50	31	1,140	123	
V-64	C. Cheely Well	× 33-42.25, 114-38.60	31	1,300	137	
V-65	Lucky 7 Well	33-55.55, 116-26.45	93		101	
V-66	King Spa Well	× 33-26.25, 115-41.40	79		106	
V-67	New Pilger Hot Mineral Well	× 33-25.65, 115-41.20	82	2,920		

OUNTY SAN BENITO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
SE-1	San Benito Mineral Well 36-48.93, 121-21.17	22	2,610	87	76
SE-2	Sulphur Springs 36-17.67, 120-59.12	23	15,900	—	76

COUNTY SAN BERNARDINO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW D SPRING OR (liters/
B-1	M.H. Morris Well	35-46.50, 117-21.60	30	94,100		
B-2	Saratoga Spring	35-40.91, 116-25.30	28		—	475
B-3	Sheep Creek Spring	35-30.32, 116-21.56	23	850 *	—	
B-4	Magma Power Company well	35-23.06, 117-32.17	116		236	
B-5	Paradise Spring	35-08.60, 116-48.82	38	500	—	100
B-6	Soda Station Springs	35-08.50, 116-06.25	24		—	114
B-7	Newberry Spring	34-49.57, 116-40.57	25	320	—	1,140
B-8	Flamingo Well	x34-57.33, 114-50.33	40	350		
B-9	Unnamed well	x34-50.50, 114-58.50	33	330	317	
B-10	Well 1S/24E-10F1 S	x34-06.15, 114-26.95	29	1,270	88	
B-11	Well 1S/24E-10N1 S	x34-05.70, 114-27.20	30	1,420	101	
-12	Well 1S/24E-9K1 S	x34-05.95, 114-27.60	32	380		
-13	Well 1S/24E-16B1 S	x34-05.50, 114-27.60	42	1,070	69	
-14	Well 2N/7E-3B1 S	34-17.62, 116-14.20	27	190		
-15	Well 1N/8E-2N1 S	x34-11.65, 116-07.30	53	700		
-16	Well 1N/9E-29F1 S	x34-08.70, 116-03.80	48	450		
-17	Well 1N/9E-14C1 S	x34-10.70, 116-00.70	63	1,000		
-18	Well 1N/5E-12D1 S	x34-11.50, 116-25.15	42	330	145	
-19	Pan Hot Springs	x34-16.30, 116-50.25	31	430	—	19
-20	Unnamed spring	34-20.46, 117-10.14	38		—	19
-21	Unnamed spring	34-20.35, 117-10.56	42		—	19
-22	Tyler's Bath Springs	34-13.83, 117-29.03	33		—	
23	Waterman Hot Springs	34-11.30, 117-16.22	51	1,150	—	19
24	Arrowhead Hot Springs	34-11.22, 117-15.78	90	1,000	—	190
			32		—	11

TY SAN BERNARDINO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
SB-26	Harlem Hot Springs (well)	34-07.35, 117-13.90	49	410		
B-27	Well 1N/3W-32N3 S	x 34-07.40, 117-13.50	54		59	
B-28	Well 1N/3W-33M1 S	x 34-07.60, 117-12.30	51		152	
B-29	Well 1S/3W-6C3 S	x 34-07.25, 117-14.25	43		42	
B-30	Urbita Hot Springs (wells)	x 34-05.20, 117-17.75	41	415		760
B-31	Well 1S/4W-16J2 S	x 34-05.00, 117-17.75	41		53	
B-32	Well 1S/4W-16L3 S	x 34-05.00, 117-18.25	42		183	
B-33	Well 1S/4W-22A1 S	x 34-04.50, 117-16.75	44		196	
B-34	Well 1S/4W-22H3 S	x 34-04.40, 117-16.75	51		260	
B-35	Well 1S/4W-22H4 S	x 34-04.30, 117-16.75	43		297	
B-36	Well 1S/4W-15L3 S	x 34-05.00, 117-17.25	41	300 *		

COUNTY SAN DIEGO

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
SD-1	De Luz Warm Springs	33-26.15, 117-19.50	29	250	—	19
SD-2	Agua Tibia Spring	x33-22.00, 117-01.00	33	400	—	38
SD-3	Well 10S/1W-23N1 S	33-17.27, 116-57.52	27	300		
SD-4	Warner Hot Springs	33-17.05, 116-37.83	59	350	—	526
SD-5	Well 12S/2W-17H1 S	33-07.92, 117-06.17	27	1,170		
D-6	Circle T Trailer Park Well	x33-08.95, 116-10.95	37	—	95	
D-7	M.A. Smith Well	x33-09.35, 116-10.00	31		91	
D-8	E. Robinson Well	x33-08.65, 116-08.05	37		64	
D-9	A. Toner Well	33-08.70, 116-07.10	32		61	
D-10	A. Williams Well	x33-07.55, 116-07.80	36		45	
D-11	Cornish Well	x33-06.35, 116-07.80	32		70	
D-12	De Anza Trail Inn Well	x33-07.50, 116-07.90	38		66	
D-13	C. Peterson Well	x33-08.30, 116-09.30	32		87	
D-14	Ironwood Motel Well	x33-09.00, 116-10.95	37		102	
-15	Vallecitos Spring	32-58.22, 116-25.38	26	920	—	19
-16	Agua Caliente Springs	32-56.88, 116-18.22	38	350	—	76
-17	Raymond Rasco Well	x32-37.20, 116-09.50	31		49	
-18	Jacumba Hot Springs	32-36.95, 116-11.53	38	320	—	57
-19	Henry Lazare Well	x32-37.00, 116-17.50	38		61	
-20	Well 17S/5E-3R1 S	x32-43.20, 116-27.30	30	360		
21	Well 15S/1W-14Q1 S	x32-51.75, 116-57.00	31	1,450		
22	Well 16S/2W-16C1 S	x32-47.20, 117-05.60	27	2,660		
23	Well 18S/2E-14E1 S	x32-36.50, 116-45.10	27	1,185		
24	Well 18S/2W-28L1 S	x32-34.40, 117-05.60	27	3,000		

...TY SAN DIEGO

Dash indicates not applicable
Blank indicates no data available
* Calculated

...E NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW D SPRWS OR (liters/m
...D-26	Well 18S/2W-28P1 S x 32-34.30, 117-05.55	36	1,070	530	
...D-27	Well 18S/2W-33L10 S x 32-33.50, 117-05.55	36	1,220	—	
...D-28	Well 18S/1W-31H1 S 32-33.73, 117-01.05	33	1,470	351	
...D-29	Well 18S/1W-34N1 S 32-33.38, 116-58.73	28	1,310	431	
...D-30	Well 19S/1W-3E1 S 32-32.92, 116-58.50	28	1,210	427	

COUNTY SAN JOAQUIN

Dash indicates not applicable
Blank indicates no data available
* Calculated from E_p

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters
SJ-1	Lone Tree Mineral Spring 37-34.39 121-26.71	22	400	—	1
SJ-2	Unnamed spring 37-34.11 121-26.77	23	1,090	—	38

COUNTY SAN LUIS OBISPO

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
SL-1	Paso Robles Artesian Spring	x 35-39.75, 120-41.50	39	1,700 *	—	380
L-2	Paso Robles Mud Bath Springs	35-39.42, 120-41.67	43	2,300	—	360
L-3	Unnamed spring	35-38.95, 120-41.27	42	1,000 *	—	760
L-4	Well 26S/13E-11L1 M	x 35-40.75, 120-32.60	31	630	—	
L-5	Unnamed well	x 35-38.50, 120-38.75				
L-6	Santa Ysabel Springs	35-34.93, 120-39.87	33	900	—	190
L-7	Paso Robles City Baths	35-37.52, 120-41.28	38	1,490	122	570
L-8	Calaqua No. 1	x 35-35.00, 120-32.75	47		316	
L-9 X	Cameta Warm Spring	x 35-24.00, 120-15.00	23		—	11
L-10 X	Pecho Warm Springs	x 35-16.00, 120-51.15	35		—	65
L-11	Sycamore Hot Springs (wells)	35-11.20, 120-42.77	38	540	580	
L-12	Ontario Hot Springs (well)	35-10.85, 120-42.10	57	815	14	
-13	Newsom Springs	35-07.35, 120-32.58	37	540	—	57

SANTA BARBARA

Dash indicates not applicable
Blank indicates no data available
* Calculated estimate
X Approximate

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW] SPRWG (liters/
A-1	Well 10N/27W-5L1 S	34-58.62, 119-47.58	34	1,430		
A-2	Well 7N/35W-17Q1 S	X 34-41.07, 120-35.09	42	5,610		
A-3	Well 5N/33W-31A1 S	X 34-28.67, 120-22.08	47	560		
A-4	Las Cruces Hot Springs	34-30.15, 120-13.07	37	555	—	38
-5	Well 5N/32W-35F1 S	34-28.58, 120-12.09	31	750		
-6	Well 5N/30W-32P1 S	34-27.88, 120-02.78	39	2,550 +	617	
-7	Unnamed spring (Tecolote Tunnel)	X 34-30.98, 119-54.25	43	300 +	—	
-8	San Marcos Hot Springs	34-32.23, 119-52.87	43	540	—	304
-9	Unnamed spring (Tecolote Tunnel)	X 34-30.62, 119-54.05	34	300	—	
-10	Montecito Hot Springs	34-27.75, 119-38.28	48	380	—	360
-11X	Little Caliente Spring	34-32.43, 119-37.17	32		—	57
-12	Agua Caliente Spring	34-32.38, 119-33.72	56	690	—	760
-13	Boron Spring	34-25.37, 119-32.28	22	2,170	—	95

COUNTY SANTA CLARA

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liter
SC-1	White Sulphur Spring	37-23.84, 121-47.82	29	2,150	—	1
SC-2	Gilroy Hot Spring	37-06.55, 121-28.67	41	1,300	—	1
SC-3	Sargent Estate Warm Spring	36-56.43, 121-33.84	25	850	—	3

COUNTY SANTA CRUZ

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
SZ-1	Maplethorpe Well × 36-59.00, 121-56.50	23	750 *		—

OUNTY SHASTA

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
SH-1	Hunt Hot Spring	41-02.05, 121-55.81	58	1,130	—	32
SH-2	Unnamed well	41-00.97, 121-54.40	29	320	149	
SH-3	Big Bend Hot Spring	41-01.48, 121-55.48	82	1,940	—	340
SH-4	Well 31N/4W-7A1 M	× 40-33.75, 122-21.25	31			
SH-5	Unnamed springs	× 40-27.40, 121-32.50	66		—	11
SH-6	Tophet Hot Springs	40-27.02, 121-32.03	93		—	19
SH-7	Bumpass Hell	40-27.45, 121-30.00	93	1,500 *	—	400

UNTY SIERRA

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
I-1	Well 21N/15E-5D1 M	× 39-42.35, 120-19.85	44	920	185	
I-2	Well 21N/15E-5E1 M	× 39-42.15, 120-19.90	34		122	
I-3	Well 21N/15E-5E2 M	× 39-42.10, 120-19.90	51		122	20
I-4	Well 21N/15E-5P1 M	39-41.65, 120-19.65	29		122	
I-5	Well 21N/15E-6Q1 M	× 39-41.70, 120-20.30	27		229	
I-6	Well 21N/15E-6Q3 M	× 39-41.70, 120-20.40	27	265	77	
I-7	Well 21N/15E-4L1 M	39-41.93, 120-18.37	30	330		
I-8	Campbell Hot Springs	39-34.50, 120-20.95	44	400	—	300

UNTY SISKIYOU

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
K-1	Sulphur Springs	41-39.57, 123-19.09	29	280	—	8
K-2	Bogus Soda Springs	41-55.13, 122-22.30	24	10,500	—	20
K-3 X	Klamath Hot Springs	x 41-58.27, 122-12.10	69	2,000	—	95
K-4	Well 48N/1W-28F1 M	41-58.60, 121-59.27	28	135	193	
K-5	Unnamed well	41-56.22, 121-51.03	30			
K-6 X	Unnamed fumarole	41-36.35, 121-31.42	88		—	
K-7	Unnamed springs	41-24.53, 122-11.69	84	1,550	—	4

OUNTY SOLANO

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH* (meters)	FLOW SPRING (liters
50-1	Tolenas Springs 38-18.61, 122-03.19	20	18,300	—	1
50-2	Vallejo White Sulphur Springs 38-07.49, 122-11.29	20	—	—	261
50-3	Unnamed spring 38-06.07, 122-10.13	23	790	—	65

UNTY SONOMA

Dash indicates not applicable
Blank indicates no data available
* Calculated

E NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
N-1	Hoods Hot Springs	x 38-47.75, 123-09.75	38		—	19
N-2	The Geysers (Devils Kitchen)	x 38-48.10, 122-48.40	100	7,770	—	
N-3	Unnamed spring	x 38-46.60, 122-45.75	49		—	19
N-4	Little Geysers	38-46.45, 122-44.87	71		—	30
N-5	Skaggs Springs	38-41.63, 123-01.54	56	2,500	—	15
N-6	Mark West Springs	38-32.93, 122-43.20	31	330	—	1
N-7	Unnamed spring	38-23.31, 122-34.02	23	260	—	76
N-8	Los Guilicos Warm Springs	38-23.69, 122-33.01	31	600	—	80
N-9	Unnamed spring	38-21.40, 122-30.52	21	370	—	38
N-10	Agua Caliente Springs (wells)	x 38-19.30, 122-29.25	46	650	91	38
N-11	Fetters Hot Springs (wells)	x 38-19.15, 122-29.00	38			
N-12	Boyes Hot Springs (wells)	x 38-18.75, 122-29.00	44	1,000*	61	
N-13	Well 5N/6W-25P2 M	x 38-14.67, 122-28.50	28	370		

COUNTY STANISLAUS

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRINGS (liters)
ST-1	Salt Grass Springs 37-25.87, 121-18.50	23	2,950	—	4

OUNTY TEHAMA

Dash indicates not applicable
Blank indicates no data available
* Calculated

DE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
TH-1	Growler Hot Springs 40-23.65, 121-30.47	95	4,590	—	38
TH-2	Morgan Hot Springs 40-23.02, 121-30.80	96	4,570	—	323
TH-3	Tuscan Springs 40-14.45, 122-06.60	30	21,500	—	190
TH-4	Stinking Springs 40-13.37, 122-44.97	38	1,960	—	57

COUNTY TULARE

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER	T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW SPRING (liters)
TU-1	Kern Hot Spring 36-28.68, 118-24.28	43	950	—	15
TU-2 X	Jordan Hot Spring 36-13.75, 118-18.10	51		—	28
TU-3 X	Soda Springs 36-12.63, 118-10.55	38		—	8
TU-4	Soda Spring 36-07.79, 118-48.95	22	2,030	—	6
TU-5	Ward Spring 36-07.00, 118-46.55	21	150	—	4
TU-6	California Hot Spring 35-52.77, 118-40.62	50	210	—	19

COUNTY VENTURA

Dash indicates not applicable
Blank indicates no data available
* Calculated

CODE NO.	NAME AND/OR WELL NUMBER		T (°C)	TDS (ppm)	WELL DEPTH (meters)	FLOW (liters/sec)
VN-1	Well 8N/23W-20H1 S	× 34-46.25, 119-20.00	32	450		
VN-2	Willet Hot Springs	34-34.92, 119-02.83	42	820	—	570
VN-3	Sespe Hot Springs	34-35.68, 118-59.87	90	1,090	—	380
VN-4	Vickers Hot Springs	× 34-30.10, 119-20.75	51	1,110	—	27
VN-5	Wheelers Hot Springs	× 34-30.55, 119-17.45	39	905	—	133
VN-6	Stingleys Hot Springs	34-29.97, 119-20.43	51		—	190
VN-7	Matilija Hot Springs	34-29.05, 119-18.43	43	250	—	285