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Audio-magnetotelluric station location map
Geysers-Calistoga Known Geothermal Resource
Area, California

704
Cm.
J. 10.16-

By

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This report is preliminary and has not been
edited or reviewed for conformity with U.S.
Geological Survey standards and nomenclature.

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FIGURE 1

AUDIO-MAGNETOTELLURIC STATION LOCATION MAP
GEYSERS-CALISTOGA

Geyers-Calistoga
California
1976

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

- = no data

"NOTE" - Telluric line orientation indicated with station numbers.

Sta. No.		FREQUENCY											
		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
1	pa	4.66	6.76	8.33	12.3	16.9	9.64	-	-	-	29.7	-	193.
	N	10	9	11	10	10	10				10		1
	Er	.59	.86	.81	.57	.46	.36				2.16		-
1	pa	9.41	5.91	4.96	6.25	11.7	11.2	-	-	-	1.11	2.62	26.3
	N	10	9	10	10	10	10				10	1	1
	Er	1.38	.50	.46	.28	.48	.51				.09	-	-
2	pa	34.2	27.2	40.1	55.2	77.7	30.2	-	-	-	22.5	7.46	85.6
	N	10	10	10	9	10	10				10	1	1
	Er	3.17	2.92	2.28	3.96	4.28	1.87				1.0	-	-
2	pa	5.17	4.54	3.93	7.79	14.4	10.2	-	-	-	.40	.64	.54
	N	10	7	10	10	10	11				10	1	1
	Er	.29	.81	.32	.67	.46	.46				.03	-	-
3	pa	28.6	25.3	32.5	79.5	137.	33.6	-	-	-	.58	1.09	.91
	N	10	4	10	10	10	10				5	1	1
	Er	6.3	9.29	4.43	12.4	14.2	7.1				.14	-	-
3	pa	19.3	18.9	15.5	19.8	37.4	16.5	-	-	-	13.4	22.8	24.8
	N	10	10	10	10	10	10				10	1	1
	Er	1.28	1.56	1.23	1.44	2.20	.66				.82	-	-
4	pa	13.2	17.5	19.4	27.2	45.9	39.4	-	-	-	18.4	51.1	71.9
	N	10	10	10	10	10	10				10	1	1
	Er	1.21	2.55	1.52	2.53	3.49	3.15				1.36	-	-
4	pa	13.1	11.1	13.9	22.2	43.6	17.3	-	-	-	46.5	63.8	78.2
	N	10	10	10	10	10	10				10	1	1
	Er	1.85	1.25	.60	1.65	3.58	1.41				4.63	-	-

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

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"NOTE" - Telluric line orientation indicated with station numbers.

		FREQUENCY											
Sta. No.		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
5N-S	pa	5.48	5.40	6.78	6.59	8.91	3.03	-	-	-	5.74	47.8	44.7
	N	10	10	10	10	10	10				8	1	1
	Er	.65	1.67	.81	.44	.16	.20				1.11	-	-
5EW	pa	7.79	5.32	6.74	8.40	14.0	12.3	-	-	-	2.10	10.5	48.5
	N	10	10	10	10	10	10				10	1	1
	Er	.67	.59	.37	.79	.44	1.71				.14	-	-
6N-S	pa	24.1	15.7	27.2	41.9	52.4	18.4	-	-	-	-	-	-
	N	10	8	10	10	10	10						
	Er	1.79	1.94	2.2	2.18	1.40	1.83						
6EW	pa	14.7	12.4	22.5	29.1	41.6	28.5	-	-	-	-	-	-
	N	10	10	10	10	10	10						
	Er	2.03	1.56	2.02	3.66	2.82	2.55						
7N-S	pa	116.	111.5	83.5	-	Power Line 60 Hz interference -							
	N	10	10	10									
	Er	10.8	10.1	4.12									
7EW	pa	64.8	62.1	74.5	78.8	88.5	24.5	-	-	-	-	-	-
	N	9	10	10	10	10	10						
	Er	4.65	7.31	4.35	3.89	4.88	1.82						
8N-S	pa	307	190.	248	220.	252.	27.9	-	-	-	20.7	37.6	84.8
	N	10	10	10	10	10	10				10	1	1
	Er	21.7	24.3	22.1	20.6	11.3	1.97				2.65	-	-
8EW	pa	34.7	19.4	27.8	28.4	50.5	28.0				6.2	141.	185.
	N	10	10	10	9	10	8				7	1	1
	Er	4.66	2.02	2.66	2.19	6.34	2.56				0.52	-	-