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76-700A

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Station location map and audio-magnetotelluric  
data log for Monte Neva Known Geothermal  
Resource Area, Nevada

White Pine Co.

By

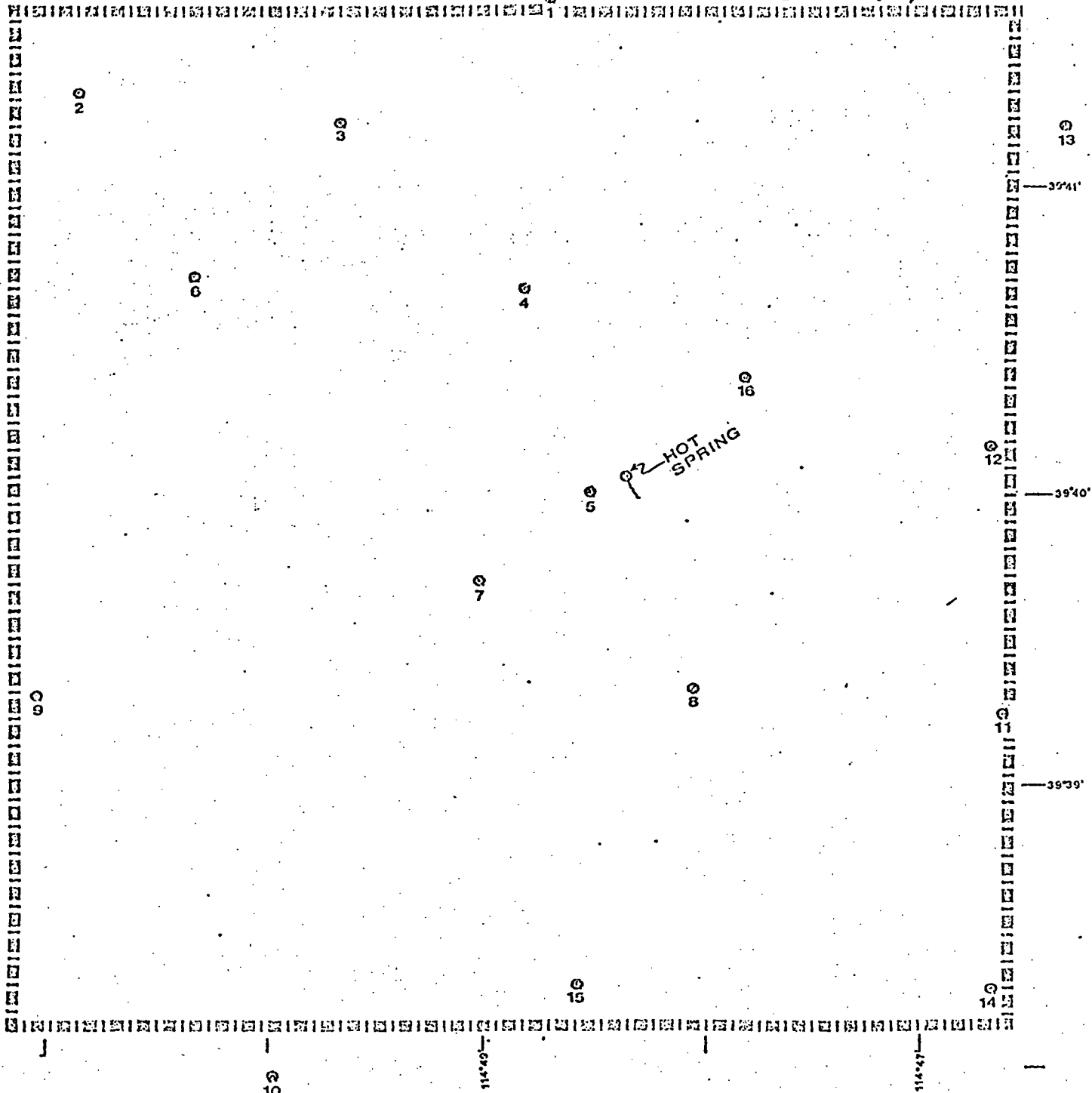
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Open-file Report No. 76-700A  
1976

This report is preliminary and has not been  
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UNIVERSITY OF UTAH  
RESEARCH INSTITUTE  
EARTH SCIENCE LAB.

KGRA Boundary



0 1/2 1 MILE  
SCALE

0 1/2 1 KILOMETER

EXPLANATION: ○ STATION LOCATION  
○ & NUMBER  
--- KGRA BOUNDARY

# AUDIO-MAGNETOTELLURIC STATION LOCATION MAP

MONTE NEVA KGRA  
NEVADA

FIGURE 1

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
11S	pa	51.8	45.2	41.5	47.2	68.5	46.4	9.06	1.48	3.15	3.26	3.74	.20
	N	7	3	7	7	8	7	8	6	4	7	1	1
	Er	6.0	3.85	2.87	5.57	3.72	6.58	1.27	.45	.30	.25	-	-
1EW	pa	30.5	22.0	21.5	31.1	35.1	31.4	5.78	2.06	2.82	1.74	1.72	.11
	N	6	5	6	7	5	6	6	6	5	7	1	1
	Er	8.34	3.49	1.72	3.31	2.96	4.66	.72	.32	1.15	.11	-	-
2NS	pa	3187.	2230.	4037.	3157.	2371.	734.	-	-	-	1.83	1.61	.04
	N	5	6	8	9	7	7				7	1	1
	Er	735.	331.	385.	363.	283.	56.3				.19	-	-
2EW	pa	2140.	2392.	2465.	1704.	680.	86.9	-	-	-	2.91	2.73	.26
	N	8	8	8	6	8	7				8	1	1
	Er	148	285	159	154.	63.8	6.93				.25	-	-
3NS	pa	514.	526.	472.	265.	307.	69.2	-	-	3.41	2.83	9.14	.29
	N	6	7	7	7	6	6			1	8	1	1
	Er	74.2	70.0	27.6	24.3	19.8	10.9			-	0.47	-	-
3EW	pa	186.	108.	149.	113.	115.	118.	-	-	-	3.19	8.12	.67
	N	7	7	8	6	6	6				7	1	1
	Er	29.9	9.53	17.0	16.0	7.05	19.2				0.27	-	-
4NS	pa	11.4	22.82	16.9	2.4	23.8	17.2	-	-	-	17.3	76.1	2.98
	N	8	8	9	6	9	7				5	1	1
	Er	3	4.51	2.57	1.03	1.33	1.62				2.76	-	-
4EW	pa	23.4	20.1	23.3	10.5	29.8	39.2	-	-	-	9.82	33.6	.22
	N	8	8	10	8	8	8				9	1	1
	Er	3.19	1.71	2.91	1.73	5.57	2.98				.63	-	-

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

Monte Nova

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Sta. No.		FREQUENCY											
		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
5NS	pa	6.84	8.09	5.68	10.7	16.4	11.5	1.22	-	-	22.4	97.8	.94
	N	8	3	7	6	6	6	5			7	1	1
	Er	.93	1.79	.48	1.81	3.75	4.32	.22			4.02	-	-
5EW	pa	34.0	18.5	12.7	24.2	21.9	35.7	4.22	-	-	12.8	41.3	2.73
	N	10	6	6	6	6	8	4			9	1	1
	Er	8.06	3.36	1.67	5.22	2.74	6.53	1.27			.77	-	-
6NS	pa	530.9	509.0	623.3	358.3	223	172.	9.82	-	-	4.40	2.77	.97
	N	7	8	8	8	6	6	7			13	1	1
	Er	78.8	56.3	84.1	34.9	26.5	21.7	1.45			2.29	-	-
6EW	pa	792.1	608.5	213.0	588.8	425	297.	9.53	-	-	5.67	7.05	.67
	N	9	9	9	8	9	8	5			11	1	1
	Er	63.8	101.2	26.4	80.4	31.1	17.9	1.85			2.38	-	-
7NS	pa	20.3	30.3	21.5	14.7	33.6	99.0	8.75	1.26	11.67	2.99	7.09	1.35
	N	9	8	7	6	7	8	10	7	3	7	1	1
	Er	3.45	2.43	.79	.99	1.12	1.92	.57	2.10	1.65	.32	-	-
7EW	pa	24.2	17.7	19.0	19.7	26.7	35.9	1.53	0.93	-	2.64	4.75	.24
	N	6	5	7	7	6	6	4	7		13	1	1
	Er	2.78	2.52	1.13	1.14	1.84	2.54	.59	.09		2.13	-	-
8NS	pa	13.6	21.6	23.9	20.12	38.15	77.4	21.7	-	-	41.10	35.2	195.
	N	8	9	8	5	10	9	5			10	1	1
	Er	1.76	4.19	4.46	2.05	8.51	4.68	3.16			.89	-	-
8EW	pa	28.1	49.29	29.82	36.54	44.97	71.5	36.9	-	-	43.3	80.4	160.
	N	11	10	9	7	11	9	9			10	1	1
	Er	5.66	10.6	4.28	4.55	4.51	5.04	15.4			1.78	-	-

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

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Sta. No.		FREQUENCY											
		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
9NS	pa	225.	202.	710.	102.	125	90.2	11.9	-	-	4.55	8.32	3.09
	N	8	6	7	6	9	8	4			10	1	1
	Er	16.0	10.7	15.4	5.61	3.8	1.72	0.91			.39	5.43	.11
9EW	pa	23.4	45.2	49.7	37.1	32.3	25.9	3.55	-	-	56 <sup>7</sup>	1	1
	N	7	7	7	8	7	6	5			9	-	-
	Er	15.7	4.7	5.25	2.58	2.98	7.16	0.83			.08		
10NS	pa	21.9	17.31	27.8	27.9	51.7	45.5	4.66	1.9	-	10.3	21.3	.94
	N	9	9	9	8	5	6	7	7		9	1	1
	Er	3.76	2.61	3.81	1.77	3.00	1.85	0.64	.40		1.33	-	-
10EW	pa	16.42	19.21	56.2	16.4	24.37	33.7	5.00	2.4	-	1.41	15.7	.84
	N	6	8	6	6	10	6	7	2		9	1	1
	Er	2.92	4.44	3.85	0.74	1.30	2.05	0.90	1.03		.18	-	-
11NS	pa	10.4	17.1	7.92	5.20	42.2	15.74	3.51	-	-	2.11	8.83	.54
	N	8	4	7	6	7	6	6			7	1	1
	Er	1.30	1.72	1.17	.67	2.35	.92	.18			.24	-	-
11EW	pa	9.07	17.5	6.81	5.91	10.9	13.7	2.07	-	-	3.42	9.09	.67
	N	6	4	8	6	6	7	6			7	1	1
	Er	1.11	1.41	.48	.74	1.11	1.31	.25	-	-	.15	-	-
12NS	pa	55.0	34.46	24.21	31.58	50.1	61.9	7.27	-	-	14.5	15.8	7.08
	N	9	8	7	7	9	11	4			11	1	1
	Er	11.8	4.92	5.51	9.52	2.98	4.79	1.42			.79	-	-
9EW	pa	12.81	15.02	4.27	13.25	14.5	15.4	4.74	-	-	7.25	3.55	.39
	N	7	8	7	7	14	9	11			11	1	1
	Er	3.21	1.30	1.74	1.53	.73	.57	.34			.09	-	-

Monte Neva

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Sta. No.		FREQUENCY											
		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
13NS	pa	17.3	13.4	19.8	20.8	27.4	23.5	6.76	3.82	-	14.1	21.3	7.25
	N	7	8	9	6	8	16	13	6		11	1	1
	Er	1.75	1.58	2.06	3.97	-	0.89	0.44	0.28		0.73	-	-
13EW	pa	13.2	4.65	10.9	10.4	13.8	18.1	9.33	3.19	-	7.84	28.7	0.20
	N	6	6	7	6	7	9	8	5		12	1	1
	Er	1.49	0.64	2.0	2.32	1.20	1.62	0.27	0.96		0.34	-	-
14NS	pa	9.64	17.8	17.1	13.77	27.9	19.5	6.75	-	-	5.74	10.2	2.55
	N	9	7	9	7	6	10	13			8	1	1
	Er	2.32	6.10	1.75	2.66	3.62	1.06	0.47			0.46	-	-
14FW	pa	11.94	6.53	6.63	16.0	13.9	16.6	1.74 <sup>3</sup>	-	-	4.77	8.74	0.58
	N	7	8	5	9	7	9	6			7	1	1
	Er	2.25	1.31	0.55	2.92	2.10	1.65	0.19			0.23	-	-
15NS	pa	8.34	14.3	12.3	12.7	22.9	19.4	-	-	-	33.5	36.1	18.1
	N	6	7	6	8	7	7				9	1	
	Er	1.51	2.78	1.86	1.42	2.77	2.9				3.32	-	-
15FW	pa	9.22	12.4	7.87	13.1	19.9	21.6	-	-	-	13.9	54.0	9.20
	N	8	7	8	6	7	8	-	-	-	7	1	1
	Er	1.47	2.49	1.05	1.24	1.65	2.7				1.17	-	-
16NS	pa	11.7	14.6	16.3	16.9	18.8	80.2 <sup>3</sup>	-	-	-	50.2	21.6	44.6
	N	8	10	9	7	8	6				6	1	1
	Er	1.01	1.55	1.50	1.01	1.85	18.9				3.10	-	-
16FW	pa	13.8	11.9	16.7	16.1	22.6	32.8	-	-	-	14.6	33.5	116.
	N	10	5	7	8	8	7				9	1	1
	Er	1.74	2.14	2.88	2.18	1.86	6.87				1.78	-	-