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76-700C

USGS-OFR-76-700C

UNITED STATES (DEPARTMENT OF THE INTERIOR)

GEOLOGICAL SURVEY, [Rye Patch - Open
file series]

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

By

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Open-file Report No. 76-700C
1976

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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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

+118°17'30"

+118°15'00" 40°37'30"

5
X

KGRA BOUNDARY

4
X

3
X

2
X

1
X

+40°35'00"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

0 1 2 Kilometers
SCALE

Explanation:
B STATION LOCATION
X & STATION NUMBER

FIGURE 1

AUDIO-MAGNETOTELLURIC
STATION LOCATION MAP
RYE PATCH
KGRA
NEVADA

NYC
Patch,
Nevada

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
1NS	pa	9.29	10.2	9.19	5.65	↑	12.7	19.4	11.3	22.7	19.6	21.3	1.9
	N	7	6	6	1	Hz	3	5	4	6	8	1	1
	Er	.89	1.35	0.62	-	60	.34	2.53	1.34	3.81	1.44	-	-
1EW	pa	15.3	7.38	7.94	7.24	1	22.6	13.2	19.1	10.9	5.42	7.49	.90
	N	8	7	9	7		6	8	6	6	7	1	1
	Er	3.09	.73	.58	.71		1.92	1.29	4.83	2.27	.81	-	-
2NS	pa	1.70	2.33	1.87	1.20		1.12	1.08	2.96	12.9	4.07	6.08	1.03
	N	7	5	9	7		6	5	6	10	6	1	1
	Er	0.16	.48	.12	.07		.06	.32	1.05	2.78	.17	-	-
2EW	pa	2.79	1.85	.83	.86		2.08	.86	1.33	5.58	1.90	3.42	4.70
	N	5	4	9	7		8	5	7	6	6	1	1
	Er	.71	.34	.06	0.10	↓	.38	.07	.27	1.43	.04	-	-
3NS	pa	2.8	2.24		2.0								
	N	8	7		6								
	Er	0.5	.31		0.1								
3EW	pa	4.5	1.34		1.4								
	N	8	7		8								
	Er	1.4	.08		.07								
4NS	pa	4.1			4.9								
	N	8			8								
	Er	0.7			0.25								
4EW	pa	4.1			2.88								
	N	7			6								
	Er	0.75			0.14								

N = number of observations

E_r = standard error in ohm metres

... = no data

[illegible]