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UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Audio-magnetotelluric data log and station  
location map for Monroe-Joseph Known Geo-  
thermal Resource Area, Utah

By

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Open-File Report No. 76-411  
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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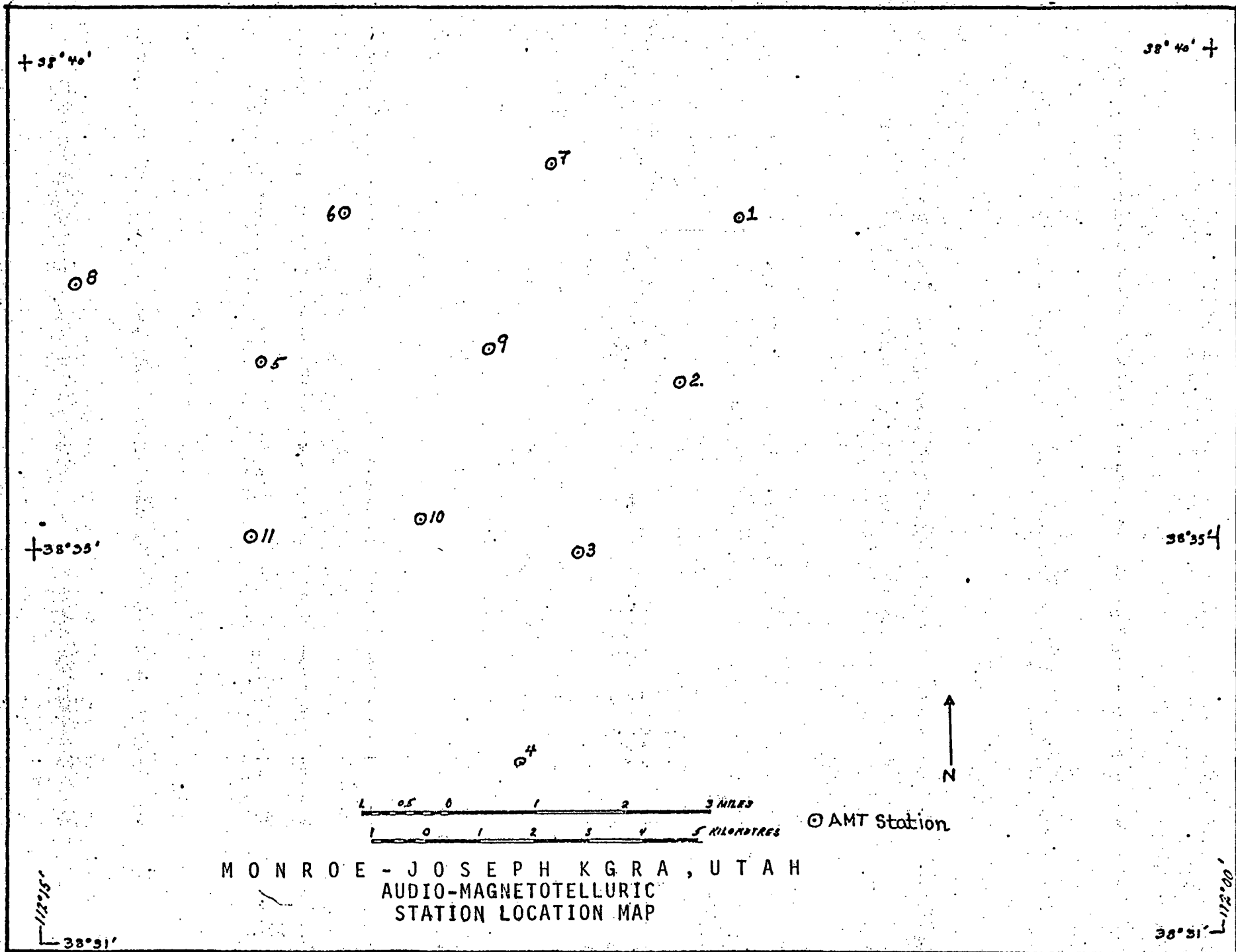


FIGURE 1

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.

		FREQUENCY											
Sta. No.		7.5	10	14	27	76	285	685	1.2K	3.3K	6.7K	10.2K	18.6K
1NS	pa	2.8	2.9	3.7	3.8	5.6	1.2	-	-	-	15.1	34.2	8.3
	N	10	8	9	9	11	9	-	-	-	8	1	1
	Er	0.4	0.3	0.3	0.2	0.3	0.2	-	-	-	1.3	-	-
1EW	pa	3.8	3.8	3.7	4.8	15.4	13.4	-	-	-	3.4	20.3	9.6
	N	10	10	6	9	6	10	-	-	-	10	1	1
	Er	0.4	0.2	0.3	0.3	1.4	0.5	-	-	-	0.1	-	-
2NS	pa	35.4	41.9	63.9	71.2	115.7	32.0	-	-	-	1.0	0.7	4.5
	N	5	6	8	9	7	5	-	-	-	5	1	1
	Er	11.5	8.5	4.2	6.4	10.2	0.9	-	-	-	0.1	-	-
2EW	pa	36.2	40.7	51.3	65.6	132.9	91.6	-	-	-	4.6	5.4	6.1
	N	10	10	10	10	11	10	-	-	-	10	1	1
	Er	2.3	4.8	2.3	1.3	2.8	2.6	-	-	-	0.1	-	-
3NS	pa	-	-	-	-	-	-	-	-	-	15.0	40.3	63.1
	N	-	-	-	-	-	-	-	-	-	5	1	1
	Er	-	-	-	-	-	-	-	-	-	1.6	-	-
3EW	pa	21.5	36.5	37.5	42.0	119.5	100.0	-	-	-	40.5	16.7	3.1
	N	8	10	10	10	10	11	-	-	-	10	1	1
	Er	2.1	6.4	4.8	5.5	33.2	5.1	-	-	-	2.1	-	-
4NS	pa	32.6	51.8	-	57.7	102.4	85.6	78.8	-	-	66.3	118.0	21.2
	N	2	6	-	5	7	5	6	-	-	6	1	1
	Er	13.4	6.3	-	8.6	15.9	13.9	3.0	-	-	2.8	-	-
4EW	pa	22.6	38.1	28.1	39.8	88.1	94.4	50.1	-	-	10.2	26.8	1.6
	N	4	7	8	11	6	11	3	-	-	8	1	1
	Er	6.8	6.7	2.3	2.7	10.2	2.6	6.2	-	-	0.8	-	-

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

pa = observed apparent resistivity in ohm-metres

N = number of observations

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"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
5NS	pa	10.0	5.7	6.7	4.5	5.1	3.3	-	-	-	35.6	114.4	55.9
	N	9	4	5	11	10	8	-	-	-	9	1	1
	Er	1.3	0.2	1.4	0.3	0.3	0.9	-	-	-	1.8	-	-
5EW	pa	12.7	8.2	6.2	2.9	2.8	3.1	-	-	-	11.6	59.5	1.2
	N	8	9	11	9	10	10	-	-	-	10	1	1
	Er	2.8	1.4	0.4	0.3	.34	0.3	-	-	-	0.2	-	-
6NS	pa	-	9.5	11.2	17.3	30.3	10.4	-	-	-	119.7	192.6	133.0
	N	-	2	3	10	7	6	-	-	-	4	1	1
	Er	-	1.7	2.0	2.5	4.1	0.5	-	-	-	14.4	-	-
6EW	pa	20.5	16.6	16.7	18.9	32.3	38.6	-	-	-	10.6	12.6	0.8
	N	9	12	9	10	9	10	-	-	-	10	1	1
	Er	2.0	2.0	1.5	0.8	0.9	1.4	-	-	-	0.2	-	-
7NS	pa	27.4	-	81.0	74.4	69.1	128.3	-	-	-	365.3	176.7	286.0
	N	9	-	6	9	8	10	-	-	-	9	1	1
	Er	4.2	-	20.5	15.8	5.4	15.7	-	-	-	12.3	-	-
7EW	pa	37.5	-	63.3	48.3	81.9	285.5	-	-	-	74.3	156.3	56.6
	N	10	-	4	10	5	7	-	-	-	9	1	1
	Er	4.4	-	15.6	10.3	12.6	27.1	-	-	-	1.7	-	-
8NS	pa	39.6	52.4	56.6	57.8	165.0	97.7	-	-	-	32.9	67.4	50.9
	N	5	7	10	8	3	8	-	-	-	8	1	1
	Er	5.6	9.8	4.7	5.9	10.1	3.4	-	-	-	3.5	-	-
8EW	pa	61.5	37.7	40.3	56.9	101.8	100.2	-	-	-	24.7	20.5	4.8
	N	6	9	10	7	11	10	-	-	-	10	1	1
	Er	12.2	2.4	1.8	4.5	9.7	3.2	-	-	-	0.5	-	-

