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UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Station and traverse location map, audio-  
magnētotelectric data log, and telluric  
profiles for Crane Creek Known Geothermal  
Resource Area, Idaho

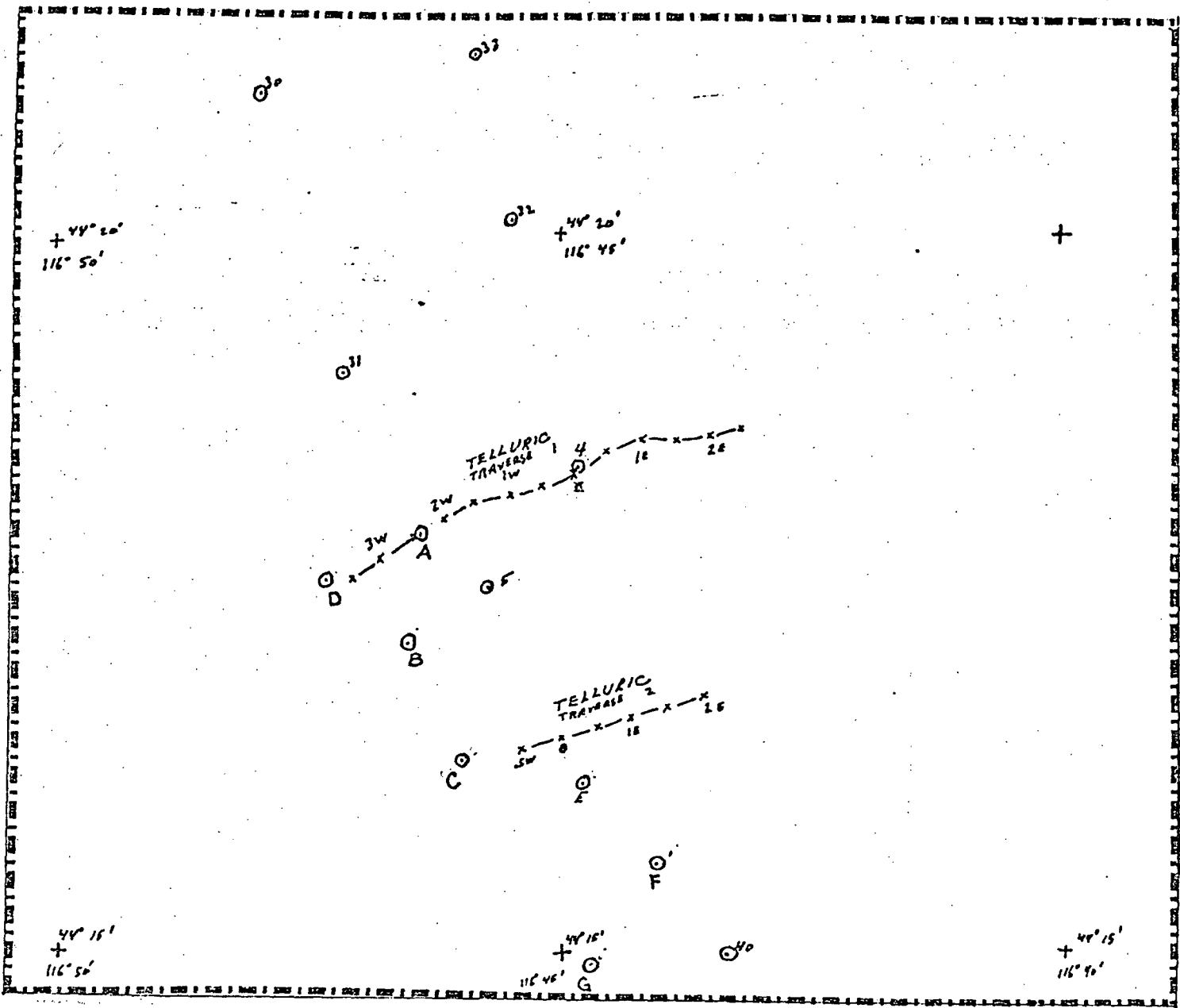
By

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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.

**UNIVERSITY OF UTAH  
RESEARCH INSTITUTE  
EARTH SCIENCE LAB.**



○ AMT Station.  
 X—X Telluric traverse



AMT STATION and TELLURIC TRAVERSE LOCATION MAP

CRANE CREEK  
 KGRA  
 IDAHO

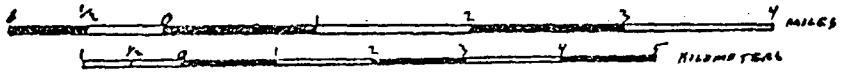
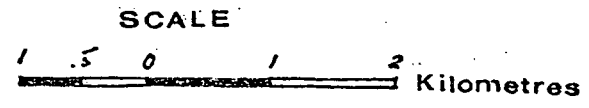
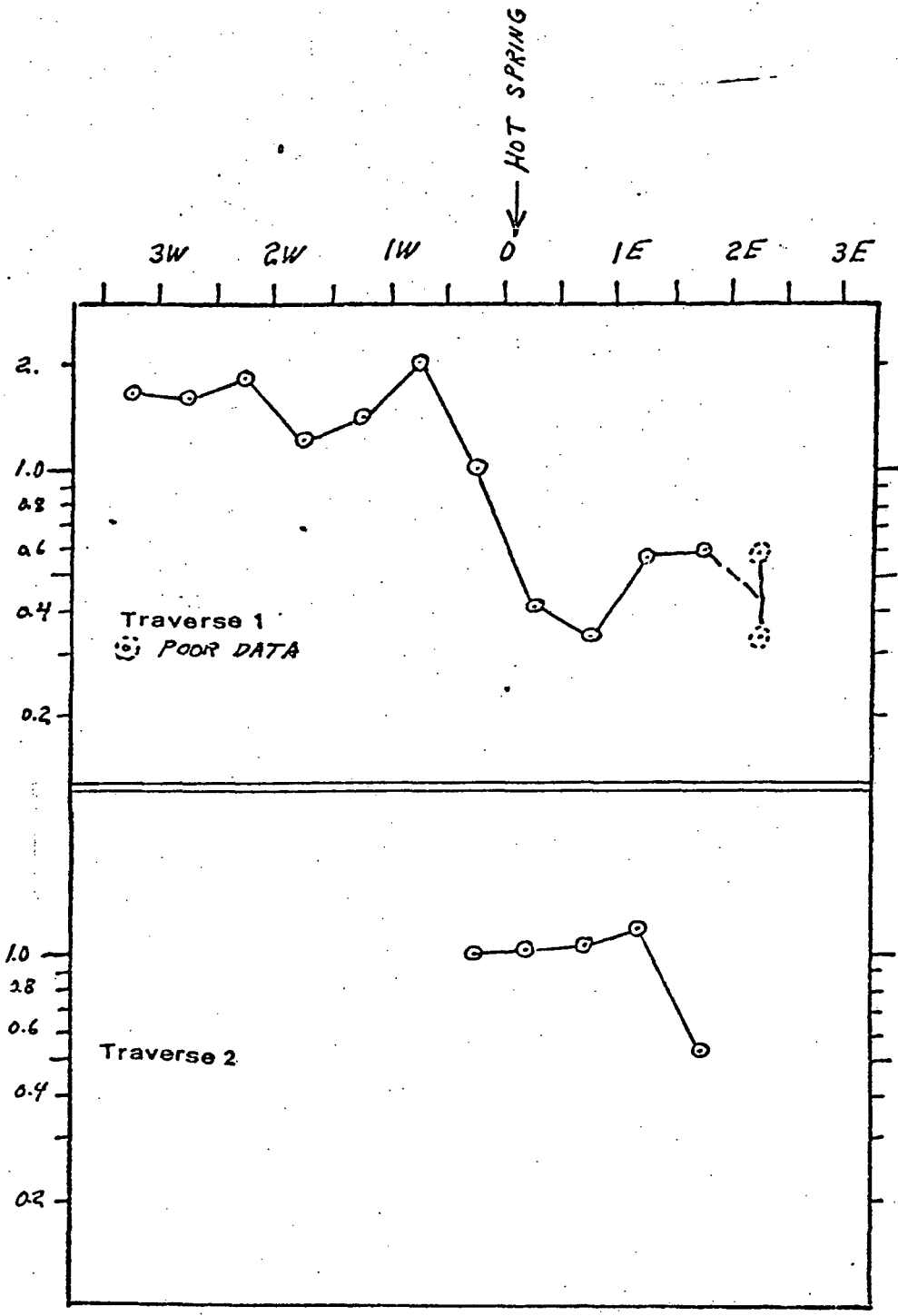


FIGURE 1



TELLURIC PROFILE DATA  
 CRANE CREEK  
 KGRA  
 IDAHO  
 FIGURE 2

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
4NS	pa	2.3	-	-	2.8	3.5	3.2	-	-	-	6.7	7.6	3.1
	N												
	Er												
4EW	pa	0.5	-	-	1.2	1.7	1.3	-	-	-	9.0	14.3	6.8
	N												
	Er												
5NS	pa	2.6	-	-	7.2	6.6	5.9	-	-	-	10.0	57.0	6.4
	N												
	Er												
5EW	pa	3.0	-	-	7.2	6.6	5.2	-	-	-	26.5	32.0	19.0
	N												
	Er												
30NS	pa	2.4	2.3	4.7	9.7	18.0	26.0	-	-	15.0	15.5	27.0	72.0
	N												
	Er												
30EW	pa	1.7	4.8	2.3	6.8	12.0	13.4	-	-	19.3	16.5	41.6	46.5
	N												
	Er												
31NS	pa	1.9	2.9	3.7	4.9	7.7	7.1	-	-	6.6	5.0	53.0	26.8
	N												
	Er												
31EW	pa	2.3	2.6	2.4	3.7	4.8	5.1	-	-	12.0	29.2	18.9	39.9
	N												
	Er												

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
32NS	pa	1.6	2.9	6.0	10.2	16.0	22.5	5.5	-	20.5	23.5	46.5	72.0
	N												
	Er												
32EW	pa	3.7	4.7	5.5	6.7	10.0	15.0	7.4	-	24.0	25.5	47.0	46.0
	N												
	Er												
33NS	pa	-	-	-	-	-	-	-	-	-	-	-	-
	N												
	Er												
33EW	pa	8.2	-	10.0	20.0	27.5	29.0	39.0	-	71.0	50.0	120.0	23.4
	N												
	Er												
40NS	pa	1.1	2.5	1.8	2.4	3.3	3.7	-	-	-	4.3	26.5	16.8
	N												
	Er												
40EW	pa	1.6	1.9	2.3	3.8	4.6	5.4	-	-	10.6	5.2	14.5	18.2
	N												
	Er												
ANS	pa	10.9	9.0	9.3	5.8	15.0	19.3	-	-	-	-	-	-
	N	5	5	7	5	5	4						
	Er	2.7	2.9	1.4	1.2	2.1	6.7						
AEW	pa	6.5	5.9	6.9	14.7	19.0	-	-	-	-	-	-	-
	N	8	10	9	5	5							
	Er	0.9	0.8	0.9	2.1	0.5							

## 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
BNS	pa	9.4	9.4	13.7	15.4	11.2	-	-	-	-	188.0	464.0	427.0
	N	13	10	10	7	10					1	1	1
	Er	0.1	0.9	0.9	2.5	0.5					-	-	-
BEW	pa	8.6	5.3	7.3	7.7	9.3	31.0	-	-	-	60.8	544.0	2037.0
	N	7	10	14	17	14	6				4	1	1
	Er	1.3	0.4	0.3	0.3	0.5	6.7				4.7	-	-
CNS	pa	7.8	8.1	6.7	7.7	7.6	-	-	-	-	248.0	906.0	592.0
	N	4	6	11	9	12					5	1	1
	Er	1.1	2.0	0.7	0.9	0.9					21.0	-	-
CEW	pa	5.2	4.8	4.8	5.3	6.1	4.7	-	-	-	83.5	956.0	5230.0
	N	11	3	12	15	10	5				10	1	1
	Er	0.7	0.5	0.3	0.2	0.2	0.3				3.6	-	-
DNS	pa	13.2	-	8.6	13.8	-	-	-	-	-	-	-	-
	N	8		5	7								
	Er	3.4		3.3	1.1								
DEW	pa	29.4		50.7	83.7	-	-	-	-	-	-	-	-
	N	3		8	7								
	Er	7.0		9.8	4.5								
ENS	pa	7.3	6.8	11.4	9.0	24.7	-	-	-	-	61.5	295.0	116.0
	N	5	6	7	6	13					9	1	1
	Er	0.8	1.9	1.9	0.8	1.4					3.1	-	-
EEW	pa	12.3	9.7	5.5	5.4	5.3	10.7	-	-	-	46.1	484.0	880.0
	N	5	8	10	14	11	4				11	1	1
	Er	4.3	1.3	0.2	0.1	0.2	0.8				3.1	-	-

