

G-100282

FC
USGS
OFR
76-700G

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Station location map, and audio-magnetotelluric
and telluric data for Wendel-Amedee Known
Geothermal Resource Area, California

By

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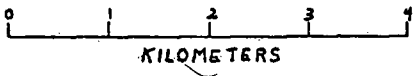
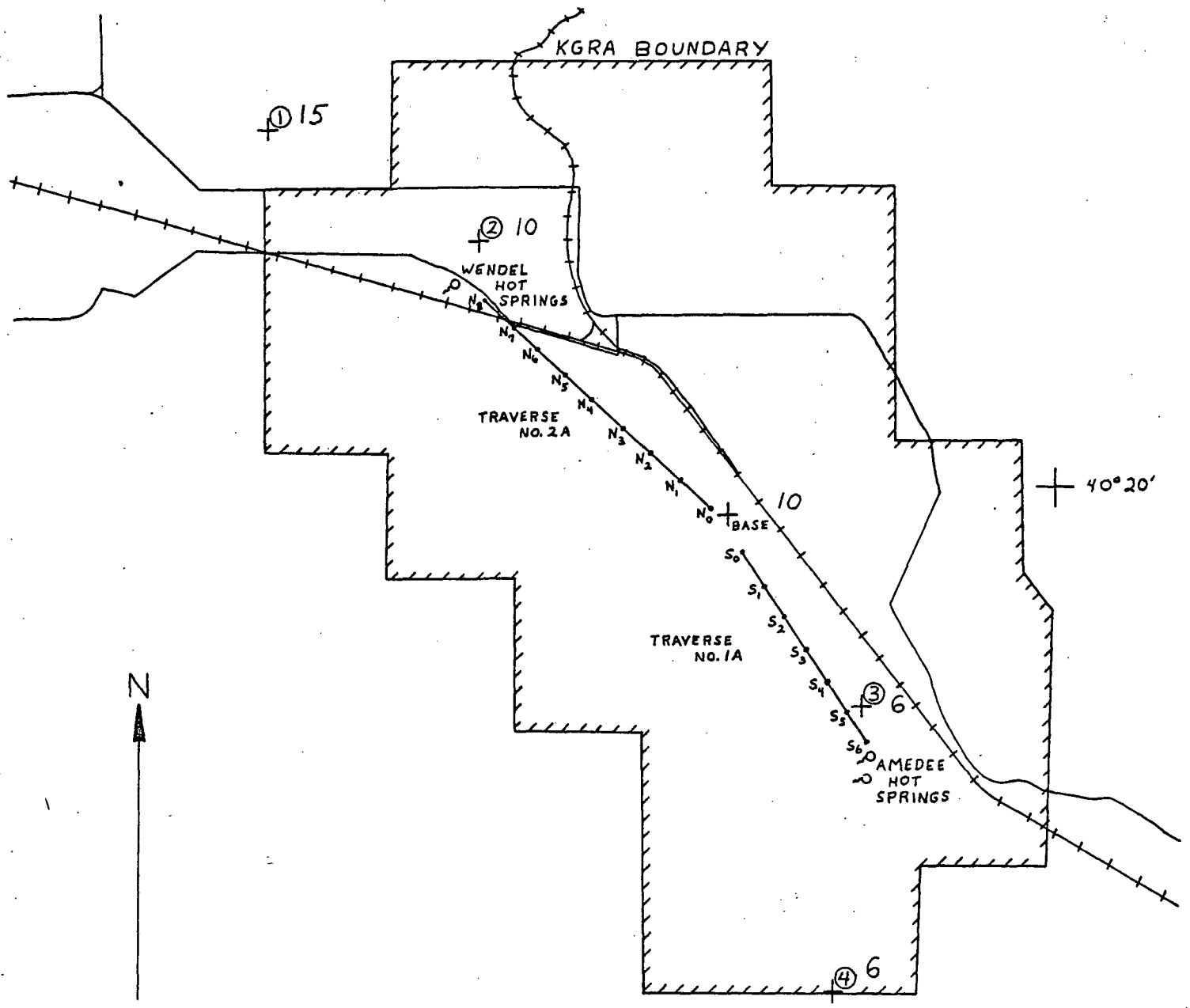
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This report is preliminary and has not been
edited or reviewed for conformity with U.S.
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40°15'
120°15'

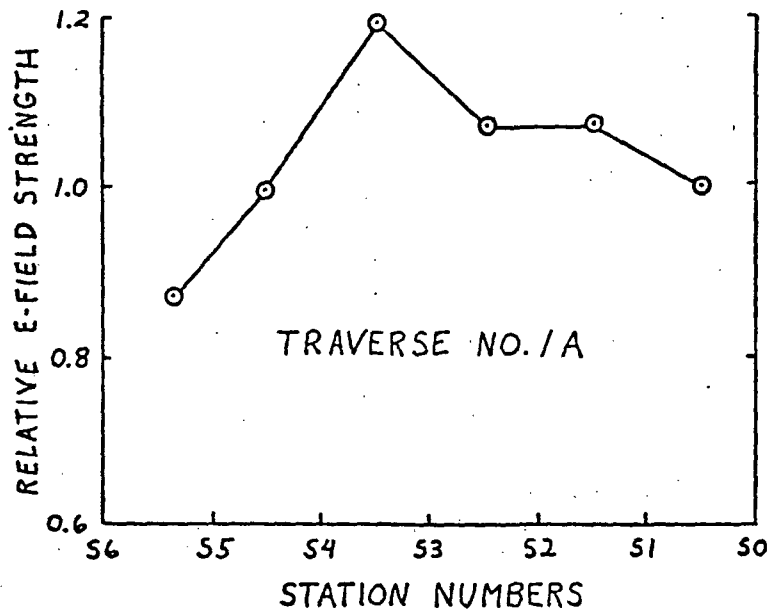
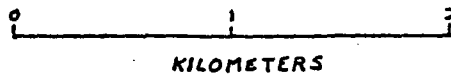
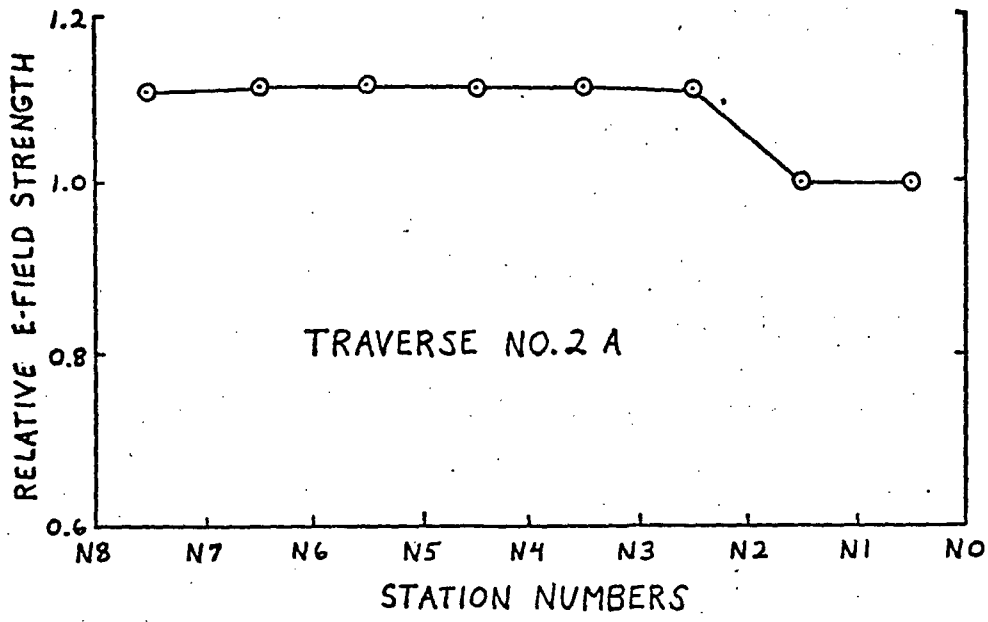
40°20'
120°10'

WENDEL-AMEDEE KGRA
CALIFORNIA

TELLURIC AND AMT STATION AND TRAVERSE LOCATION MAP

WITH TELLURIC $J \times 10$ VALUES

$$J = \frac{\text{AREA OF ROVER ELLIPSE}}{\text{AREA OF BASE ELLIPSE}}$$



WENDEL-AMEDEE KGRA
CALIFORNIA
TELLURIC PROFILES

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

ρ_a = 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
2 NS	ρ_a	6.5	9.1	9.3	15.3	18.1	16.1	—	—	—	22.6	29.3	155.4
	N	10	10	10	10	10	10				10	1	1
	Er	0.71	0.76	1.31	1.56	2.00	2.08				1.18	—	—
2 EW	ρ_a	7.6	4.8	4.2	9.2	16.4	16.2	—	—	—	8.96	31.6	204.9
	N	10	10	10	10	10	10				8	1	1
	Er	1.57	0.51	0.35	0.41	0.78	1.02				0.41	—	—
3 NS	ρ_a	9.0	10.3	10.1	13.2	14.9	8.2	—	—	—	9.9	9.2	73.2
	N	10	10	10	10	10	10				10	1	1
	Er	0.72	0.55	0.38	0.2	0.66	0.99				0.73	—	—
3 EW	ρ_a	5.2	4.1	3.5	5.3	10.2	6.8	—	—	—	2.5	7.6	60.4
	N	10	10	10	10	10	10				10	1	1
	Er	0.47	0.41	0.3	0.34	0.61	0.36				0.09	—	—
Base NS	ρ_a	10.1	10.2	13.2	22.7	31.6	15.8	—	—	—	36.2	21.6	385.3
	N	10	10	10	10	10	10				10	1	1
	Er	0.83	0.82	0.48	1.01	1.17	1.01				1.62	—	—
Base EW	ρ_a	2.0	1.4	1.5	2.6	5.5	7.4	—	—	—	1.8	8.4	23.2
	N	10	10	10	10	10	6				10	1	1
	Er	0.15	0.18	0.06	0.15	0.31	2.9				0.16	—	—
	ρ_a												
	N												
	Er												
	ρ_a												
	N												
	Er												