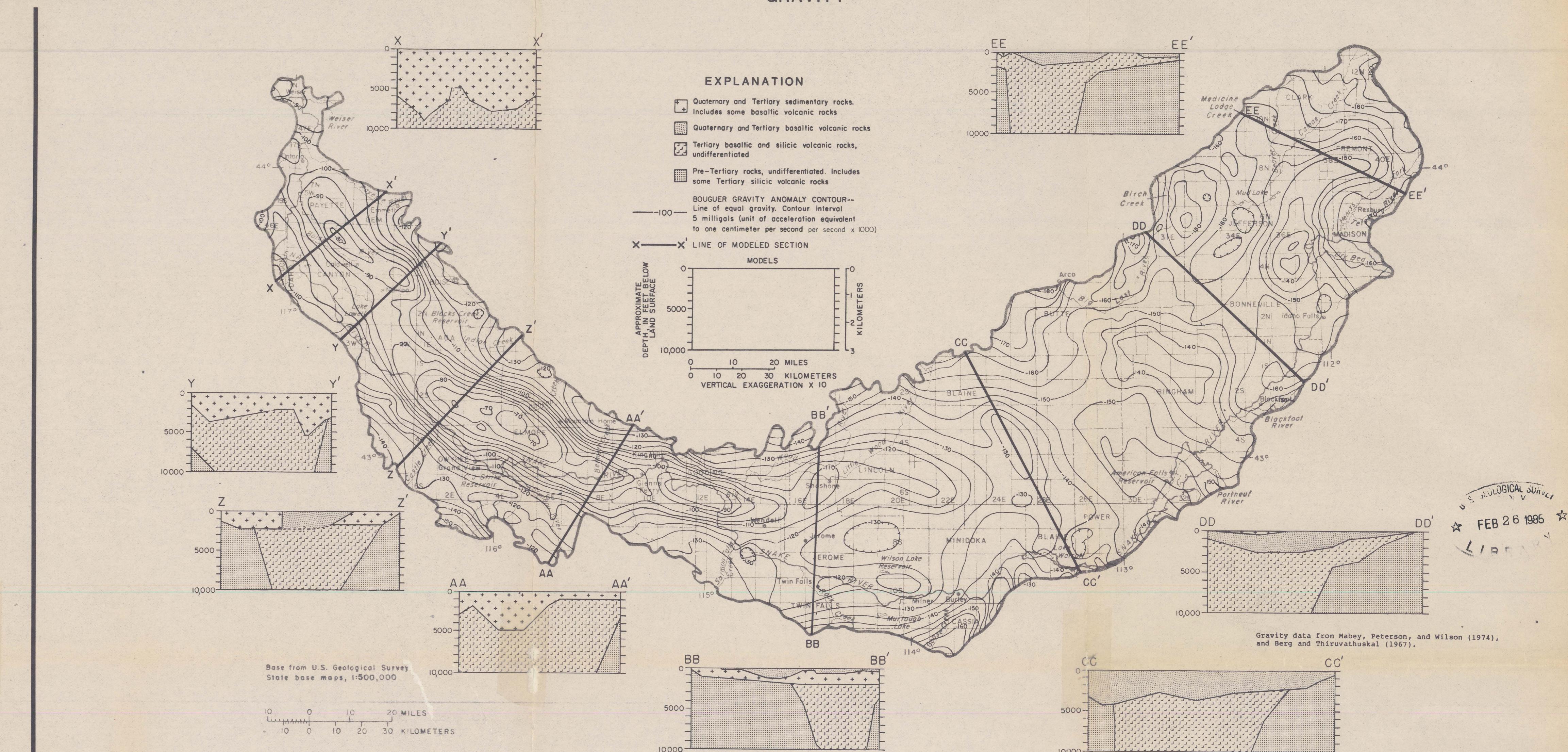
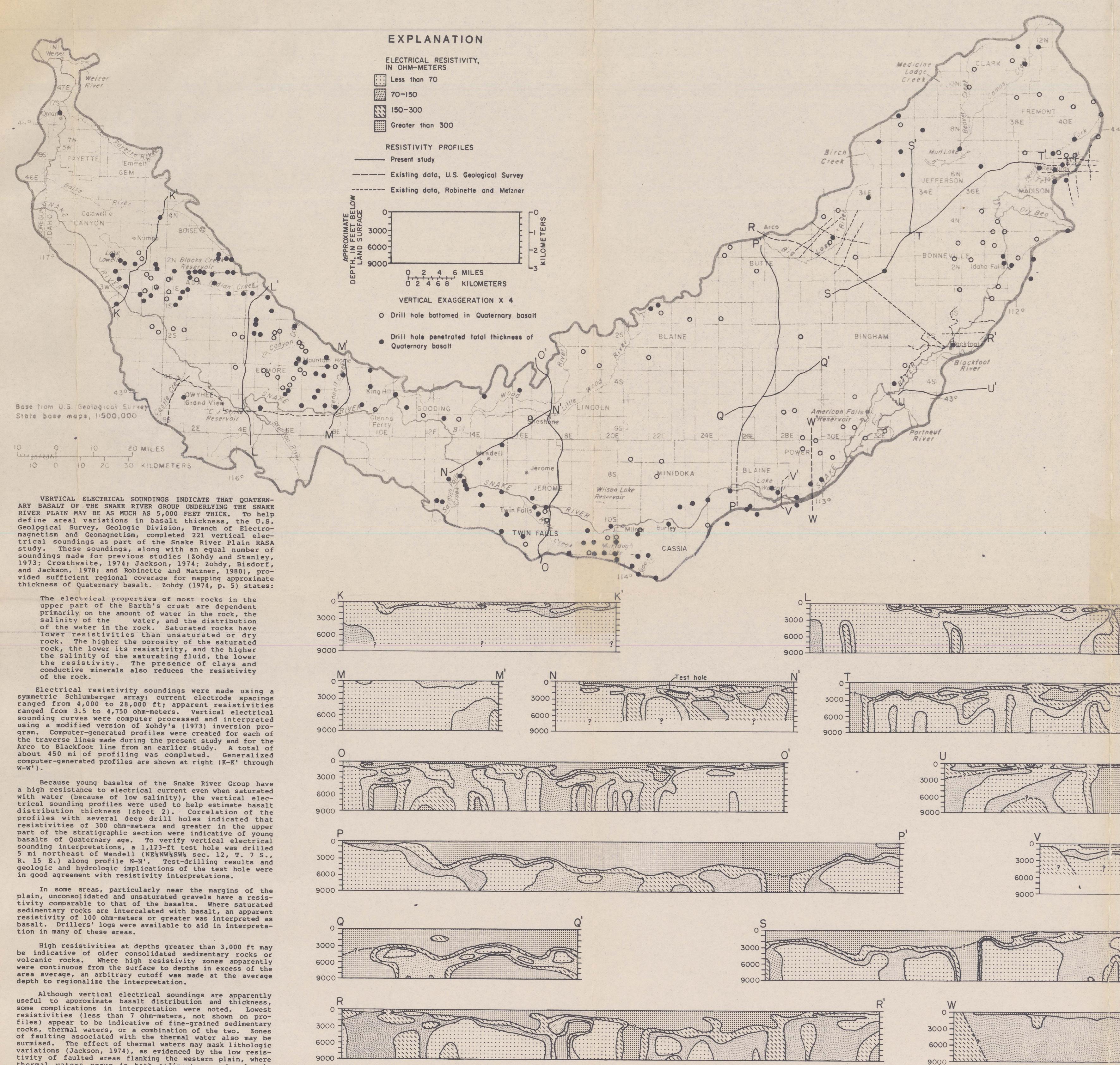


ELECTRICAL RESISTIVITY

GEOPHYSICS

GRAVITY



[Modified from Telford and others (1976, p. 24-25) and Mabey (1976, p. 55). Values are in grams per cubic centimeter.]

Rock unit	Average density	Density contrasts used for modeling
Quaternary basalt	1.98	-0.67
Tertiary basalt	2.95	.30
Granite	2.65	0
Undifferentiated pre-Tertiary rocks	2.65	0
Basalt and intercalated sedimentary rocks	1.98	-.67
Consolidated sedimentary rocks	2.45	-.20
Unconsolidated sedimentary rocks	2.20	-.45
Upper unit, silicic volcanic rocks	2.43	-.22
Lower unit, silicic	2.53	-.12

ASSUMPTION OF DENSITY VALUES FOR ROCK TYPES UNDERLYING THE SNAKE RIVER PLAIN IS A CRITICAL STEP IN THIS MODELING PROCESS. A constant density value of 2.65 g/cm^3 was assumed to represent undifferentiated pre-Tertiary rocks. Assumed values of density differences for these and other associated rocks underlying the plain are shown in the table above.

SUMMARY

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