

# Geophysical Surveys of Panama

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Airborne geophysical surveys in Panama began with a 1966 aeromagnetic survey of the Azuero Peninsula carried out by Lockwood Survey Corporation and sponsored by the United Nations Development Program (UNDP). This fixed-wing survey was flown (at a height of 150 meters) along N-S flight lines spaced at one kilometer. Total magnetic intensity (TMI) and reduced-to-pole (RTP) data were gridded to 500 meters.

Cyprus Minera de Panama S.A. conducted helicopter-borne, aeromagnetic and radiometric surveys (at a 500-meter line spacing) of the Western Cordillera and the Darien region in 1995. Permission for these surveys was granted by the Direccion General de Recursos Minerales (DGRM) of the Ministerio de Comercio e Industrias (MCI). The MCI document authorizing the survey (Resolution 95-5) specifies that, after two years, the results be released (to the DGRM) for use by the mineral exploration community.

Raw data (as data points on each flight line) and grid files (.grd) for each of the surveys listed below are available through Recursos del Caribe, S.A. (RdC) at a price equal to two percent of the estimated current cost to repeat the survey. The areas covered relative to porphyry Cu-Mo deposits (green) and porphyry Cu-Au deposits (yellow) are shown on the following page. Prospective clients are welcome to review the surveys via a screen sharing session.

<b>Sponsor</b>	<b>Location</b>	<b>Area km<sup>2</sup></b>	<b>Survey Cost (2022 estimate)</b>	<b>Line km / line spacing</b>	<b>RdC Price</b>
UNDP (1960's)	Azuero Peninsula	14,030	\$330,000 (fixed wing)	14,030 km / 1000 meters	\$ 6,600
Cyprus (1995)	Western Cordillera	9,919	\$3,200,000 (helicopter)	19,038 km / 500 meters	\$60,500
Cyprus (1995)	Darien Region	2,970	\$940,000 (helicopter)	5,940 km / 500 meters	\$18,800

