

Dominican Republic Geophysical Dataset

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Recursos del Caribe, S.A.

www.cbmap.net

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Recursos del Caribe, S.A. (RdC) offers a geophysical dataset consisting of aeromagnetic and radiometric data covering the entire Dominican Republic. The dataset contains both raw data and grid files for a total of 75,842 line-kilometers. The survey was flown by a fixed-wing aircraft flying at an elevation of 100 to 140 meters. Line spacing was 500 meters over the central cordillera and 1000 or 2000 meters over the rest of the country. Areas covered and the line spacing for each area are shown (in red) on the index map below. An aeromagnetic survey flown by BHP is shown (in lavender) but is not included in the RdC dataset.

The original fixed-wing surveys were flown in 1996, part of the SYSMIN program sponsored by the European Union in cooperation with the SGN (Servicio Geologico Nacional) of the Dominican Republic. Condor Resources reprocessed the raw data for RdC in 2022 generating grid files for reduced-to-pole (RTP), analytic signal, and first and second vertical derivative along with filters including automatic gain control, tilt, and upward continuation. The reprocessed geophysical dataset can be used on a stand-alone basis or “plugged into” RdC’s GreaterAntillesMap dataset for mines and mineral occurrences and land status (www.cbmap.net). The cost for RdC’s Dominican Republic dataset, in ArcGIS or MapInfo format, is US\$15,700.

