

# Ecuador multielement geochemical GIS data set

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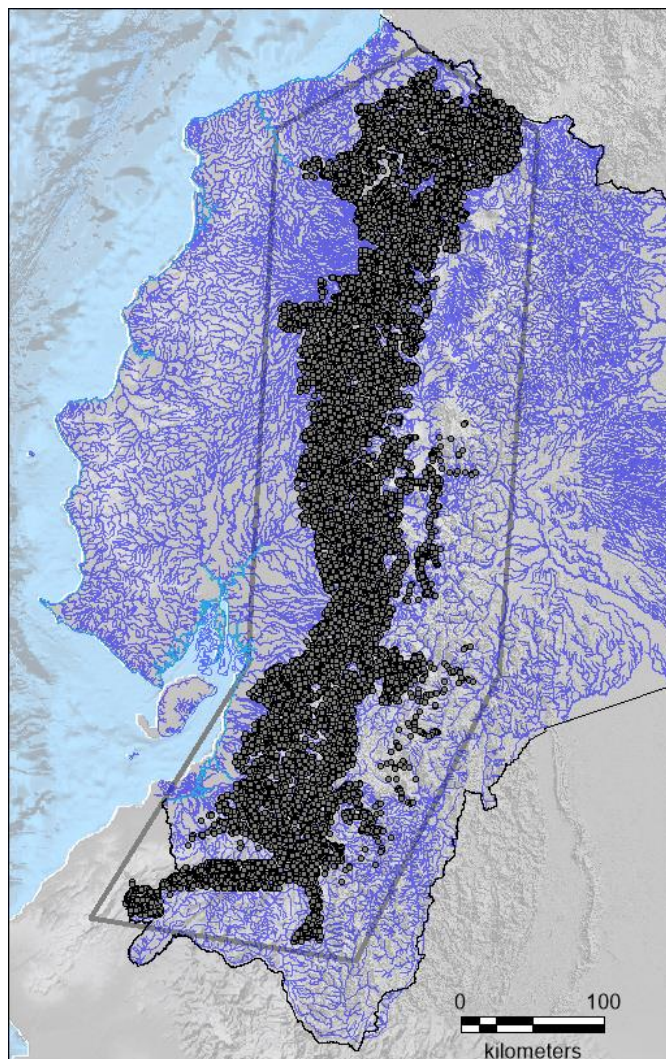
Recursos del Caribe, S.A.

[www.cbmap.net](http://www.cbmap.net)

Carl E. Nelson, president

email: [carlericnelson@gmail.com](mailto:carlericnelson@gmail.com)

Multielement geochemical data for a total of 24,294 stream sediment samples has been captured and compiled (in Mapinfo or ArcGIS format) for the cordillera of Ecuador. The data set includes analytical results for Au, Ag, Cu, Pb, Zn, Mo, Ni, Co, As, Sb, Hg, Tl, Cd, Bi, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Zr, Pt and Pd.



#### Source of Data:

Multielement geochemical data (29 elements) is provided for 9119 stream sediment collected by RTZ (1986). The RTZ data set is supplemented by 36-element analyses for an additional 15175 stream sediment samples collected by the BGS-PRODEMINCA (1995-2000). The raw data was acquired from GeoMax who compiled it using original published sources.

#### Sampling and Analytical Procedure:

Stream sediment samples for the PRODEMINCA survey were collected from the active channel and screened on site to minus 80 mesh. Samples were air dried in the laboratory and then disaggregated with a ceramic pestle and mortar. Gold was determined using a fire assay preparation procedure followed by atomic absorption spectrophotometry (AAS). Results for a total of 32 major and minor elements (Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr, Pt and Pd) were obtained by inductively-coupled plasma emission spectrometry (ICP-ES) following aqua regia digestion. As and Sb were analyzed by hydride-generation followed by AAS. Mercury was determined by cold-vapor AAS following aqua regia digestion. All analyses were performed at the Bondar Clegg lab in Vancouver.

The RTZ survey provides results for Au, Ag, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Sc, Cu.

#### Ecuador Multielement Geochemical GIS Data set:

Multielement geochemical data for a total of 24,294 stream sediment samples are provided either as a MapInfo table (.tab) or ArcGIS shape file (.shp). Values reported as less than detection limit have been set equal to one half the detection limit. Values of 0.5 for Ag, Mo, Cd, Sr, Ni, Co, V, La and Y indicate analytical results of less than a detection limit of 1 ppm. Values of 2.5 for Bi, As, Sb and Sc indicate analytical results of less than a detection limit of 5 ppm. Values of 5 for Te and Ba indicate analytical results of less than a detection limit of 10 ppm. Values of 10 for Sn, W and Pb, indicate analytical results of less than 20 ppm. An entry of "-999" means that no analysis was performed for that element.

A drainage map and a shaded relief base map are included to aid with interpretation and application of the data set to exploration.

#### Pricing:

Ecuador Multielement GIS data set, in ArcGIS or MapInfo format: US \$24,000

Prospective clients are invited to "test drive" the data sets via a screen sharing session before making a purchase.