

## **Mineral resource database of Rio de Janeiro State, Brazil**

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The database of mineral occurrences of the Rio de Janeiro State is a compilation of published data since 1978 and unpublished data as well. The published information has been compiled from the state mapping project “Carta Geológica do Rio de Janeiro 1:50.000”, coordinated by DRM from 1978 to 1983 with the participation of private and public companies and universities. Also used were the “Levantamento dos Pegmatitos do Estado do Rio de Janeiro” (DRM 1982) and the “Mapa Geológico do Rio de Janeiro” of the Departamento Nacional de Produção Mineral (DNPM 1998).

Among the unpublished material, the information has been obtained from the ongoing 1:250.000 mapping project by the Geological Survey of Brazil – CPRM and from academic programs held at the Federal and State Universities of Rio de Janeiro (UFRJ, UFRRJ, UERJ). Also very useful for updating purposes is the DRM database for supervising mineral activity.

As a selection criterion for feeding the GIS systems, only the occurrences plotted on the 1:50.000 scale were considered. Data were then digitalized or obtained directly in the field using GPS. About 2,400 mineral occurrences have been recorded. The main mineral activity in the file is related to industrial minerals for civil construction. About 1,200 private companies are today operating on mine activities. A general picture of mineral exploration in the last 20 years is shown on a 1:400.000 scale map.