

Core function of GSD

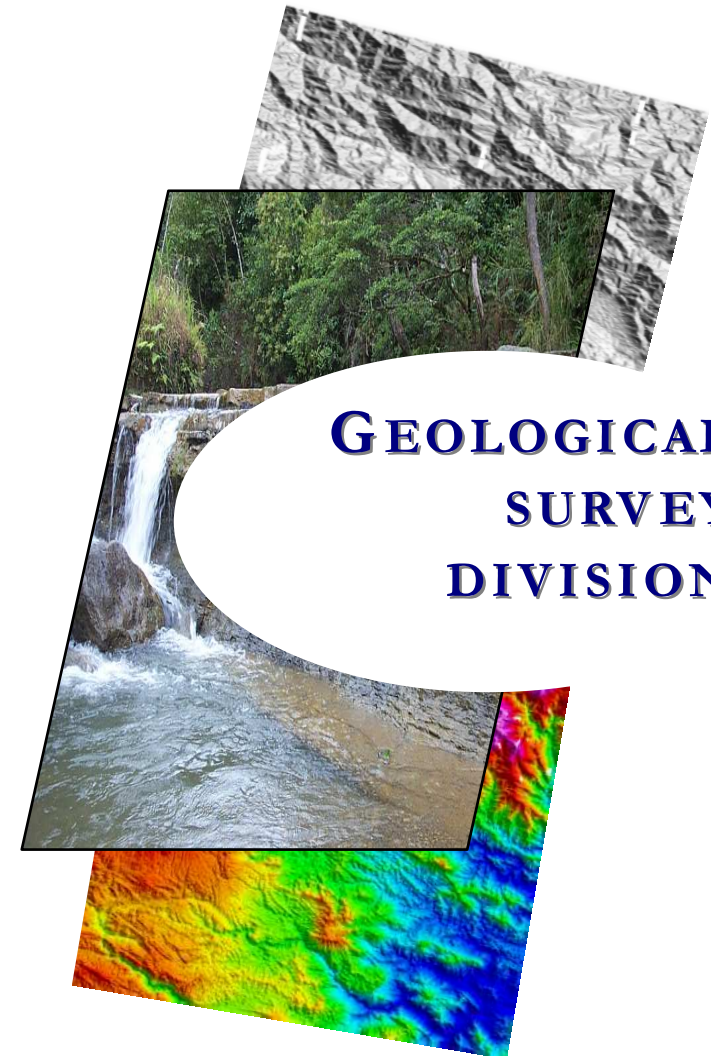
- Compile and provide geoscience data and information aimed at encouraging primarily the mineral sector and non-mining sector investment in PNG
- Undertake regional geo-science and geological resource mapping, and compile resulting quality products ready for publication
- Archive statutory reports submitted by mineral tenement holders and be the State repository of all geo-science data.
- Provide sound professional technical advice and services to the State and all other stake holders.
- Acquire and provide good quality geo-technical, geological geophysical and hydro-geological information for all users.



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**GEOLOGICAL
SURVEY
DIVISION**

Minerals for Life

The Geological Survey Division

The Geological Survey Division (GSD) is one of the four divisions of the Mineral Resources Authority.

The division's general function is to acquire and generate geoscientific data, store it systematically and make it readily available to stakeholders including mining and exploration companies, geoscience researchers and members of the public.

The GSD has four main branches and they are Geological Mapping & Exploration Branch, Geophysical Mapping Branch, Geotechnical Mapping & Hydro-geological Branch and the Library.

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Geologists taking stream and pan concentrate samples to analyze under the European Union funded Geo Map program.

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panies, geo-science researchers and members of the public.

This data includes geological, geochemical and geophysical data.

Geological data includes information on the main rock units underlying the country and the prospective areas which may host mineral deposits.

Geochemical data will include information that indicates what types of mineral elements occur in which areas of the country. This dataset will also indicate mineral occurrence within the country.

Geophysical data includes information on the physical properties of rock units and the underlying soil structure.

In mineral prospecting, this information can help define areas that are geologically prospective in terms of mineral deposits, but which could not be physically mapped by geologists.

Geological Survey Division also places emphasis on geotechnical and groundwater studies for the benefit of social infrastructure and health development.

The Geotechnical and Groundwater Branches focus on areas such as slope stability and foundation investigation studies and also the exploration for groundwater aquifers. This data is available for the public, government bodies, churches and other organizations.

Other data collected are used for awareness of geological hazards and advice on such matters as prospectivity.

The division aims to:

- Become a first-class and highly productive scientific organization staffed by the best available geoscientists and support staff.
- Develop results-driven work environment with emphasis on the production of high quality new data and making old data readily available.
- Through above efforts stimulate mineral exploration activity, with an emphasis on Greenfield areas, and to stimulate geoscience research.

With those and the quality staff, services from the division to both mining stakeholders in their primary focus of geological data and their secondary



Helicopter returning from survey flight

focus on groundwater should flow well.