

What is Geotechnics?

It is the branch of geology that deals with the application of geological principles in the research of natural materials –such as rocks- that form the earth crust involved in the design, construction and operation of civil engineering projects, as highways, railways, bridges, dams, pipelines, aqueducts, dwelling units, confinement sites and buildings in general.

Accurate knowledge of the mechanical properties of soil and physical environmental conditions, where it is intended to build, are the best means of prevention to natural disasters that may cause severe damage to civil works and human beings that inhabit them.

In contribution to the knowledge of the republic geological conditions, Mexican Geological Survey (SGM), generates geological-mining maps on scales 1:250 000 and 1:50 000, which allows having a valuable information tool in the decision making process to choose optimal sites for construction of civil works that guarantee the country's sustainable development.



Drilling with diamond bit
and recovery of the core



Civil works

Contacto:

Blvd. Felipe Angeles Km. 93.50-4, Col. Venta Prieta
Pachuca, Hgo., C.P. 42083
Teléfono: (771) 71 13583
Correo Electrónico: webmaster@sgm.gob.mx