

Environmental Geology



Why

Environmental geology is vital for protecting groundwater and soil, managing natural hazards like erosion and flooding, guiding sustainable land use, and controlling pollution.

What We Offer

- Delineate archaeological sites, locate subsurface cavities and tombs, and detect zones of subsurface mineralization.
- Analyze and characterize soil, determine soil cohesion, and assess rock moisture content.
- Explore and characterize aquifers, assess water salinity, and study fresh and saltwater interfaces.
- Characterize landfills, delineate buried waste margins, and study flood reservoir locations for effective management.
- Locate and characterize near-surface geological structures (pore spaces, faults, fissures, shear zones, lithologic variations) and study the movement of sand dunes.
- Determine radioactive element concentrations to evaluate the suitability of areas for integrated urban communities.



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