

LITHOLOGIC LOG

Project: Deeth (1030)

Hole: 1030-6

Elevation: 5840 ft (1780m)

Date Drilled: November 19, 1979

Location: SE/NE 26, T38N, R58E

Method: Air-foam

Geologist: Tower/Shenker

Gamma: 120 cps

Depth (m)	Description
0-30m	Interval dominated by metamorphic fragments (95%), mainly quartzite, argillite, and siltite. A few tuffaceous and rhyolitic fragments are encountered particularly near the ground surface. Grain sizes fall mostly in the granule and coarse sand range with gravel varying from 10 to 40% and fines (smaller than med. sand) averaging 15-20% of total. Particles are generally sub-angular, sub-rounded and rounded. Unit is alluvium of metamorphic composition.
30-35m TD	Composition is entirely metamorphic (quartzite, argillite, siltite). Gravels (fine and medium) dominate the particle size distribution with sand and granules composing 25-40% of total. Grains are mainly sub-angular and sub-rounded, though some angular fragments were seen (probably fractured by drill bit).
	Comments: Sequence seems to be alluvial. Duplicate samples for conductivity (k) value determinations were collected at 70 ft (21.3m) and 150 ft (45.7m)