

NOTES OF EXPLANATION

The auger drilling programme involved the systematic sampling of 100 feet centres along the grid lines (including the base line) at Lynch Creek.

A large area of deep clay weathering was recognised, and it was considered necessary to sample, where possible, the top of the "C" soil horizon to obtain meaningful results. Surface sampling in this area would involve the risk of smelter fallout contamination, owing to the close proximity of the Mt. Lyell smelters which were in operation for approximately 70 years. The four inch auger equipment used has a maximum penetration depth of 9 feet. As shafts in the area have shown the clay horizon to extend to greater than 80 feet in places, the holes drilled to 9 feet should be interpreted accordingly.

To supplement the soil samples, outcrop rock samples were taken. Where these were absent, rock chips from the top of the "C" horizon were collected. In many cases, it was not possible to collect this type of sample owing to the extreme weathering of the rock. Where samples are missing in the results, it can be assumed that the presence of a creek or swamp did not facilitate the collection of a representative rock or soil sample.

Field assistants conducted the sampling, so the following field terms are simple and notes listed should be interpreted as broad observations.

SLOPE

- "S": Slope greater than 30°.
"M": Slope flat to 30° (Approx.)
"F": Flat.

SOIL TYPE

- "S": Sandy
"C": Clayey
"Q": Quartz scree

ROCK TYPE

Where the term "volcanic" is used, it can be assumed that massive volcanics outcrop. Where the term "quartz scree" is used, it infers that the locality is extensively covered by stoney quartz fragments.