

SUMMARY LOG - MT DIRECTION DIAMOND DRILL HOLE

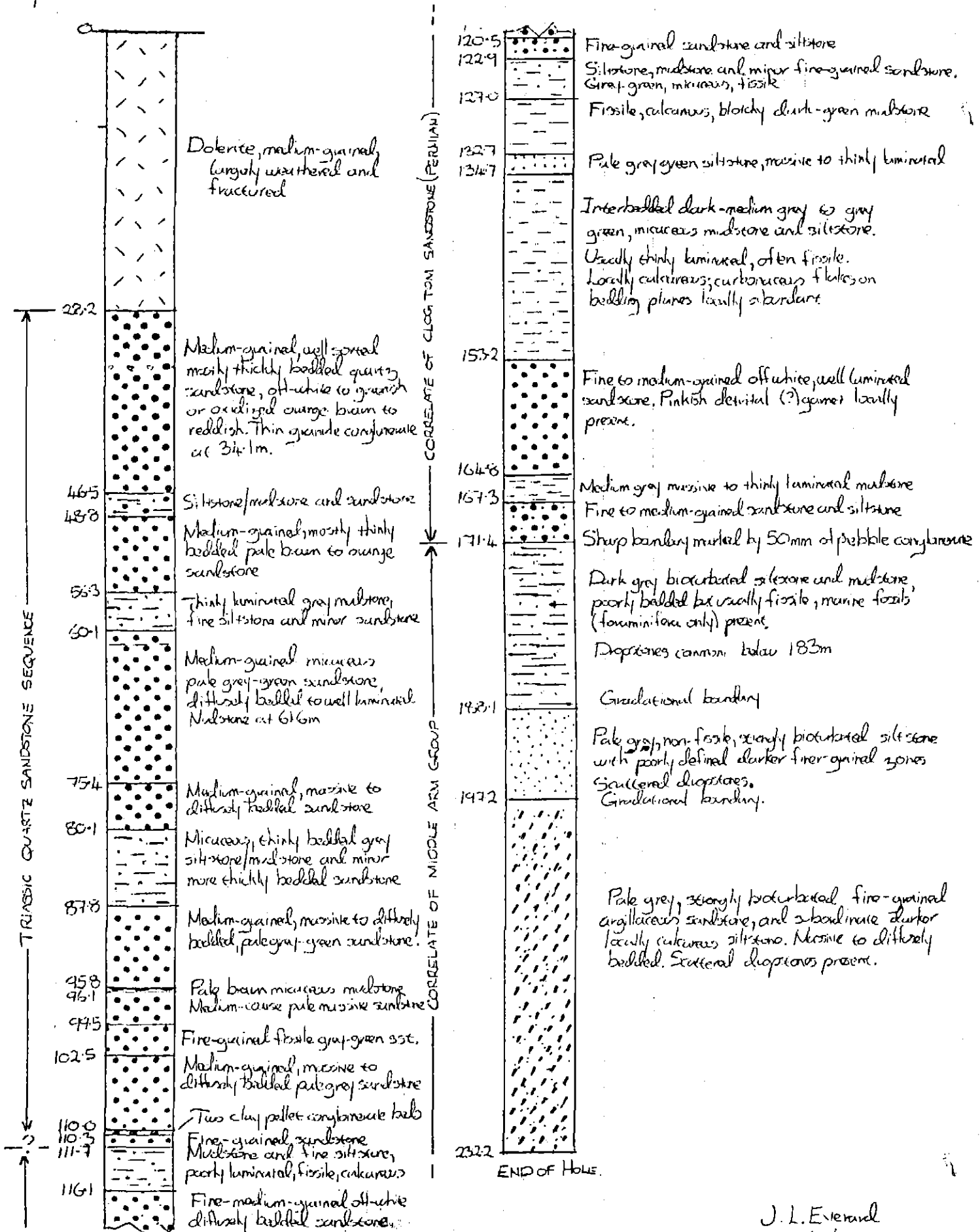
- 0 - 28.2 m Dolerite, medium-grained, largely *weathered* and fractured.
- 28.2 - 46.5 m Quartz sandstone, mostly medium-grained, well-sorted, thickly bedded with some thinly laminated intervals. Locally micaceous, especially in lower part of interval. Off-white to pale greenish or, more commonly, oxidised orange-brown to orange-red. Thin granule-conglomerate at 34.1 m.
- 46.5 - 48.8 m Siltstone/mudstone, poorly bedded, brown, and pale fine- to medium-grained sandstone, interbedded in equal proportions.
- 48.8 - 56.3 m Sandstone, medium-grained, mostly thinly bedded, pale brown to orange. Thin mudstone interval (20 mm) at 55.2 m.
- 56.3 - 60.1 m Grey mudstone and fine siltstone, and minor paler sandstone, thinly laminated.
- 60.1 - 75.4 m Sandstone, medium-grained, micaceous, pale grey-green. Mostly diffusely bedded to well laminated. Mudstone (10 mm) at 61.6 m.
- 75.4 - 80.1 m Sandstone, medium-grained, pinkish to brownish or pale yellow-green, massive to diffusely bedded.
- 80.1 - 87.8 m Siltstone/mudstone, micaceous, thinly bedded, grey (78%) and more thickly bedded sandstone (22%), interbedded.
- 87.8 - 95.8 m Sandstone, medium-grained, pale grey-green, massive to diffusely bedded.
- 95.8 - 96.1 m Mudstone, micaceous, pale brown.
- 96.1 - 99.5 m Sandstone, medium-to coarse-grained, mostly pale brown to off-white, massive to diffusely bedded.
- 99.5 - 102.5 m Sandstone, fine-grained, fissile, thinly laminated, micaceous, grey-green.
- 102.5 - 110.0 m Sandstone, mostly medium-grained, massive to diffusely bedded, pale grey.
- 110.0 - 110.3 m Two clay pellet conglomerate beds (140 and 100 mm thick), separated by massive medium-grained sandstone.
- 110.3 - 111.7 m Sandstone, fine-grained, pale grey-green, diffusely laminated.
- 111.7 - 116.1 m Mudstone and fine siltstone, poorly laminated but fissile, medium grey-green or stained maroon, containing carbonate and minor white mica.
- 116.1 - 120.5 m Sandstone, fine to medium-grained, off-white to pale grey-green, diffusely bedded.
- 120.5 - 122.9 m Sandstone, fine-grained, and siltstone, interbedded. Grey, diffusely bedded.

- 122.9 - 127.0 m Siltstone, fine-grained and mudstone. Grey-green, micaceous, fissile. Minor fine-grained paler sandstone.
- 127.0 - 132.7 m Mudstone, fissile, calcareous, blotchy, dark grey-green.
- 132.7 - 134.7 m Siltstone, pale grey-green, nearly massive to thinly laminated.
- 134.7 - 153.2 m Mudstone and siltstone, interbedded. Dark to medium grey or grey-green, usually thinly laminated, micaceous and often fissile. Locally calcareous. Carbonaceous flakes on bedding planes locally abundant.
- 153.2 - 164.8 m Sandstone, fine to medium-grained, off-white. Usually well-laminated, with thin wavy dark-grey micaceous siltstone laminae. Pinkish-red detrital grains (?garnet) locally present.
- 164.8 - 167.3 m Mudstone, massive to thinly laminated, non-fissile, medium-grey.
- 167.3 - 171.4 m Sandstone, fine to medium-grained, and siltstone. Off-white to pale grey, nearly massive or thinly bedded with narrow black carbonaceous laminae, sporadic pinkish (?) garnet grains present.
- 171.40 - 171.45 m Pebble-granule conglomerate, poorly sorted, friable, quartz and lithic clasts.
- 171.45 - 188.1 m Siltstone and mudstone, dark grey, bioturbated and poorly bedded but usually fissile, especially in the upper part of the interval. Small foraminifera (≤ 2 mm) and scattered tiny mica flakes parallel to bedding present. Clasts of exotic lithologies, probably dropstones, common below about 183 m. Grades into
- 188.1 - 197.2 Siltstone, pale grey, not fissile, strongly bioturbated. Some poorly defined darker grey zones of finer siltstone and mudstone. Scattered dropstones present. Grades into
- 197.2 - 232.2 m Sandstone, fine-grained, argillaceous, pale grey, and subordinate darker, locally calcareous siltstone. Strongly bioturbated, massive to diffusely bedded, scattered dropstones present.

END OF HOLE

008

MT DIRECTION DRILL-HOLE
Depth (m)



J. L. Everard
24/5/90

