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Quarry Site, Bridgewater.

The proposed quarry site is on a portion of the Parkhelme Property approximately one mile north of Bridgewater and 13 miles by road from Hobart. The area investigated was that portion of the land under option bounded by the Jordan River and contains 111 acres. A tape and compass survey was run to give rough contours of the area and allow an estimation of the tonnage of basalt available. An arbitrary level of 200 feet was assumed for the highest point of the fence line forming the eastern boundary of the area under option.

The only rock seen over the area is basalt, and in all places where outcrop can be seen good columnar jointing is developed in the rock. The columns vary in width from 6 to 12 inches with slightly larger columns in the SW corner up to 18 inches wide. These columns vary in dip indicating that the area was covered by a succession of flows each gradually filling up the hollows in the valley. No scoriaceous material is developed between flows.

In the southernmost part of the area there is a thin cover of alluvium but this does not extend far beyond the present river course and is not expected to interfere with quarrying. The tonnage of basalt available in this area is approximately 15,000,000 tons, assuming the whole of the area bounded by the river is worked to a depth of 10 feet above the level of the river in the NE corner. The level was chosen to avoid flooding but it is possible that the quarry could be worked to a greater depth in the south and SE of the area. The estimated tonnage does not include any of the basalt available from the area between the river and the highway.

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