

7. Reserves of road metal at the Sorell Council quarry, Forcett.

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The Sorell Council quarry is situated on the Dodges Ferry road about 1.5 km south of Forcett, on land owned by M.A. Grierson (fig. 5). The quarry and surroundings were examined for the purpose of proving 20 years reserves of road metal at a rate of extraction of 2,800 m³/yr.

The material being quarried is a mudstone of Permian age which has been indurated by dolerite intrusion to hornfels. This material occurs on the surface over a radius of at least a kilometre to the north and east of the existing quarry. Four jack hammer holes were drilled by Wreckair for the purpose of estimating reserves. Holes 1, 2 and 3 were drilled to a depth of 18 m approximately 60 m east of the quarry and Hole 4 was drilled to a depth of 9 m in the quarry floor. All of these holes were considered to be in material similar to that being quarried, on the basis of a microscopic examination of samples by G. Everard.

For the purposes of estimating reserves, it has been assumed that Holes 1, 2 and 3 have proved an area of 0.6 ha laying between the existing quarry and the line of boreholes. It has also been assumed that the area of the quarry floor (0.7 ha) could be lowered a further 5.5 m in usable stone if required. These areas would yield 11,000 m³ and 38,000 m³ respectively, or reserves sufficient for more than 30 years.

The dolerite sheet which has indurated the mudstone to a hard brittle stone suitable for road-making is probably horizontal or subhorizontal and underlies the whole area. In this case additional reserves exist below the level of the boreholes but it is unlikely that they would be required in the foreseeable future.

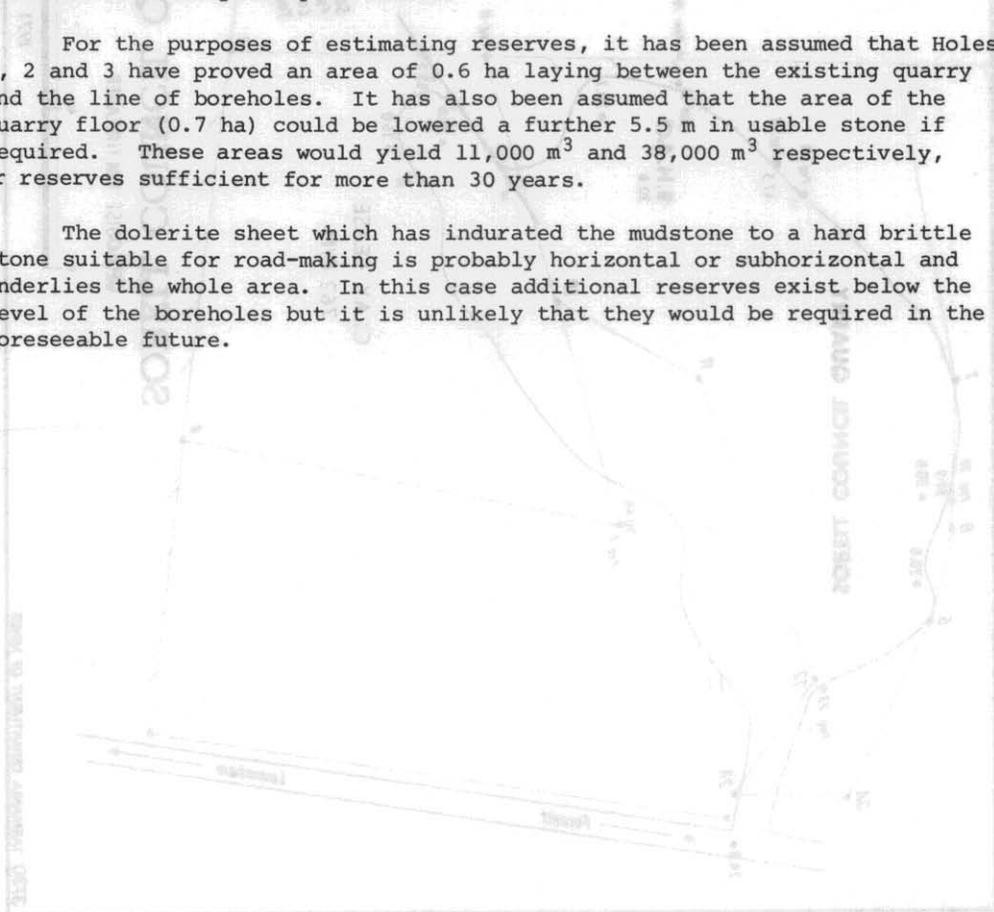
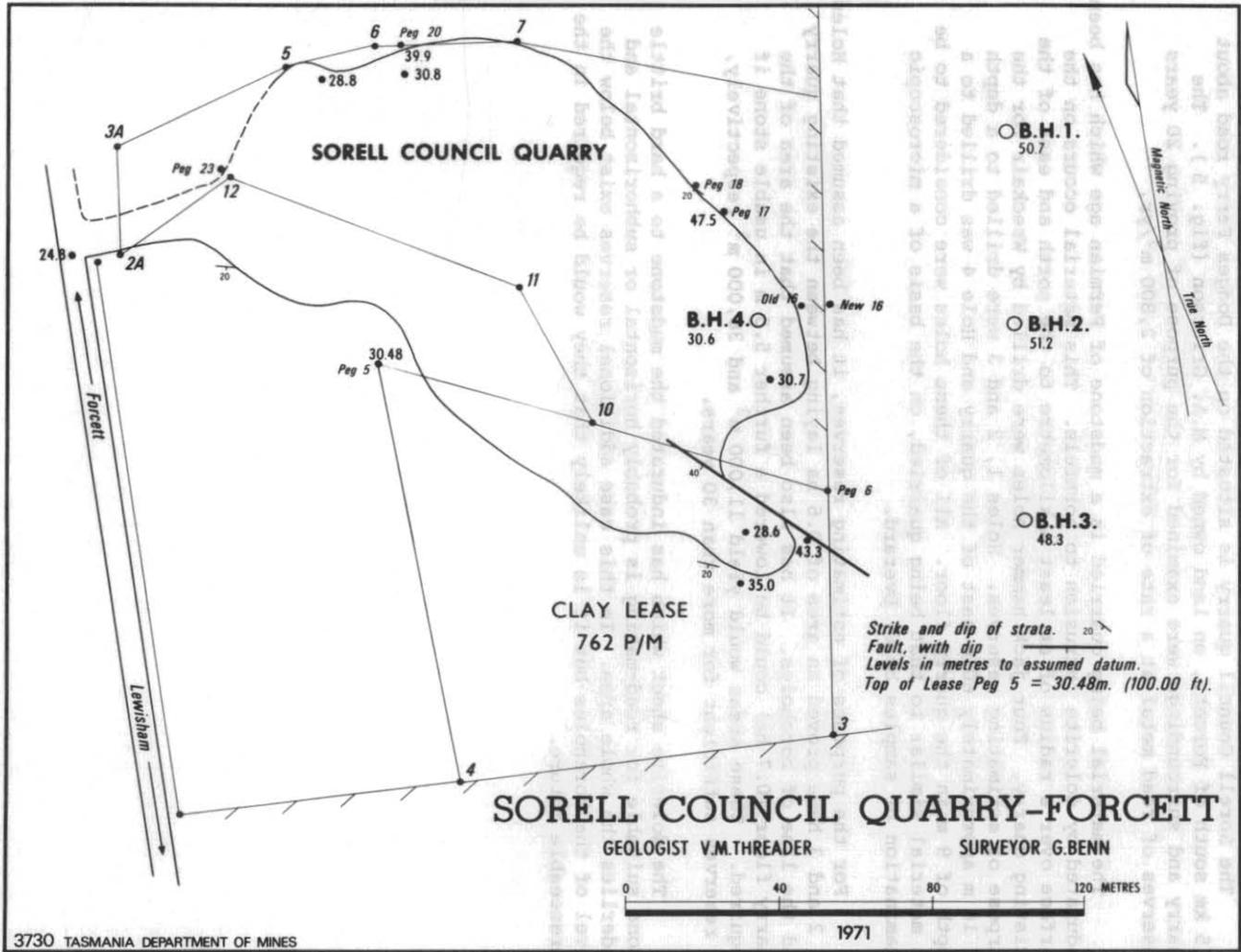


Figure 5

5 cm



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Figure 5.

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