

7R5-100-101

QUARRY SITE—PROCTOR'S ROAD

by R. Jack.

OBJECT

At the request of Nelson Quarries Pty. Ltd. a survey was made of the quantity of bluemetal (dolerite) available on their quarry property.

LOCATION AND ACCESS

The proposed quarry site is situated on the northern side of Proctor's Road, approximately two and a half miles south-west of Hobart. Access is gained from the sealed Proctor's Road over a short gravelled private road to the quarry site.

GEOLOGY

The rocks in the quarry area consist of flat lying Permian mudstone intruded by a sill-like body of Jurassic dolerite. Weathering has stripped off any mudstone that may have been above the dolerite, and the dolerite now forms steep hills overlying the softer mudstone. The lower extent of the dolerite could not be definitely located owing to the large amount of dolerite scree present on the slope. An intrusive contact between dolerite and mudstone could be seen in the quarry. This contact forms the north-east boundary of the dolerite.

THE QUARRY MATERIAL

Dolerite is used extensively in the Hobart area for road metal and as aggregate for concrete. Near the contact with the mudstone the dolerite is very fine grained, but as the quarry workings get further from this contact the grain size will probably increase. The depth of overburden, mainly soil and some decomposed rock, varies from nil to five feet. The dolerite possibly extends to 20 feet below the floor of the present quarry, but this lower material may prove unsuitable as blocks of mudstone may occur in it. Also this lower contact with the mudstone is possibly irregular and if the quarry was worked any lower it may not be possible to keep the quarry floor level without removing some waste material.

QUANTITY

The area of 1600 feet by 1400 feet appears to contain approximately 10,000,000 tons of dolerite. This should prove sufficient for many years of large scale operations.

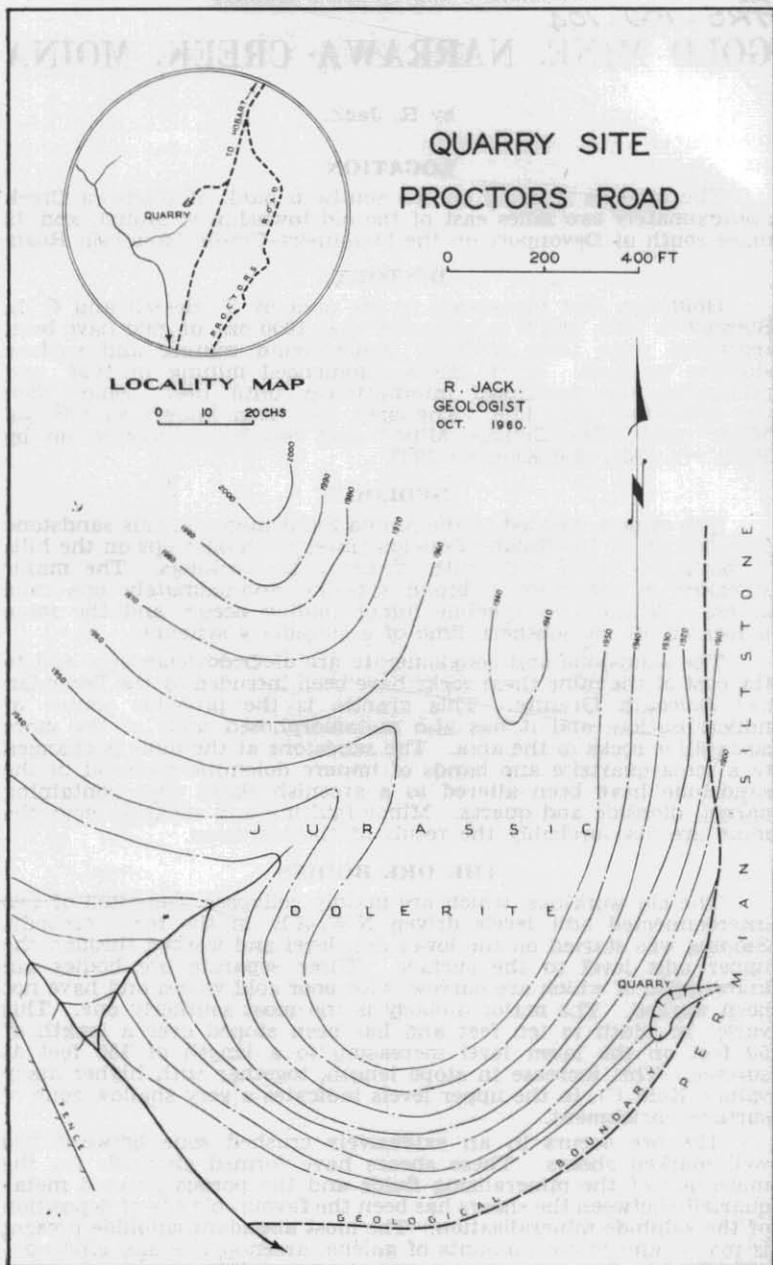


FIGURE 21.