

3rd May, 1951.

TDH:2

MEMORANDUM:KING ISLAND LIMESTONE.

As mentioned in my report the Agricultural Bank are greatly interested in the utilization of lime on King Island. Mr. D. Handley, their officer in charge on the Island, would appreciate a copy of this report.

During my last visit to the Island I pointed out the Semi-Consolidated Deposits to him and he has become especially interested in these. Consequently I took further samples of this material from both localities and submitted them to the Chief Chemist and Metallurgist for crushing-sizing tests. He states

"The two samples of limestone have been submitted to crushing with rolls at approximately one sixteenth set of rolls."

Products show the following screen analysis:-

<u>Screen Sizes</u>	<u>Dripping Wells</u>	<u>Camp Creek</u>
44	56.0	44.0
60	8.8	17.6
100	10.0	23.8
-100	25.2	14.6

Recommendations for a plant to crush this soft limestone is difficult unless a definite proposal is presented relating to desired fineness and capacity. However, the material is relatively fragile and could be crushed by a roller on a hard surface such as concrete. Any form of crushing is considerably more effective if the material is dry."

Will you please acquaint Mr. Handley with these remarks of the Chief Chemist.

Signed: Terence D. Hughes,
GEOLOGIST

The Director of Mines,
HOBART.