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No. 974

SML 191 AND SML 173

BILLY SPRINGS NORTH

**PROGRESS REPORT FOR THE PERIOD
14/6/68 TO 13/12/68**

Submitted by
Billy Springs Pty Ltd
1968

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12th November, 1968.

ENV 974

Report on talc finds S.M.L. 191 and 173.

047

Gardiner Sheet (1 mile) 21.10.68 - 1.11.68.

A surface prospecting exercise revealed confirmation of a clean talc outcrop in the yellow dolomite - siltstone area 1.5 miles N.W. of Billy Spring approximate position 139°27'E, 29°52'S in S.M.L. 191. The approximate size of outcrop is 150' x 20' - 600 tons per foot of depth interpolated tonnage. 100' - 25,000 tons. Report by R.C.Gregg indicates probable extension of talc in this area probably to the West N.W. and S.E.

On 173 two deposits of similar appearance and size were turned up in the head - water tributaries of the Billy Spring Creek. The talc occurred as floaters in creek detritus and appears in the tributaries of the Billy Spring Creek in the Dolomites area to the South and S.W. of the N.W. corner of S.M.L. 82A. It would appear that talc occurs in association with silt stones, tremolites with talc schists and the control factor is a series of shear faults associated with complex folding of the metamorphosed sediments.

I interpolate a further 30,000 tons as being a probable quantity of talc in these two deposits.

Additional to the above deposits a further four smaller outcrops were found but due to the gravel over the surface it was not possible to discover extensions.

The four small deposits 50' x 5' x 100' estimate at 8,000 tons. Total estimate targets are as follows: - -

S.M.L. 173 38,000 tons

S.M.L. 191 25,000 tons

total 63,000 tons

RECOMMENDATION: - -

1. In view of the gravel surface of the country in which the talc occurs it would be advisable to use a 60 h.p. dozer to clean off the rubbish lying on top of the known outcrops with the prospect that further talc will be revealed.
2. Further prospecting is justified over the dolomite areas of 173 and 191 preferably just prior to the cleaning up work proposed by dozer.

The area of dolomites south and west of Mt. Livingston should be prospected. Access to this area is difficult and will require four wheel drive and a fair amount of walking. Mt. Livingston rises over 1,000' above Mundawertina well and 900' over the Mt. Livingston well. Normal vehicles can get within $\frac{3}{4}$ mile of the

top. The last part is inaccessible to any vehicle. Talc is reported on the top of Mt. Livingston and an outcrop is inferred of good dense nodular magnesite. The southern slopes of Mt. Livingston are very steep being inaccessible except for one or two paths. The valley to the south is accessible from the Mt. Fitton Station area. Binocular examination of the dolomites on the north side of this valley shows patches which could be talc or magnesite. So far no heavy minerals have been turned up in this area but the syncline could pay for prospecting. The magnesite whilst of good quality is not economic because of the road transport costs to Lyndhurst.

Estimate of Costs: --

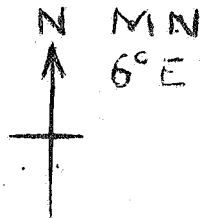
1. Week prospecting - 2 men talc central section 173	\$300.00
2. 60 h.p. dozer for 1 week - 40 hours at \$14.00	\$560.00
Transport of dozer	\$450.00
Accommodation dozer operator	<u>\$ 60.00</u>
	<u>\$1, 370.00</u>
Supervision of project mapping and report	<u>\$ 750.00</u>
	<u><u>\$2,120.00</u></u>



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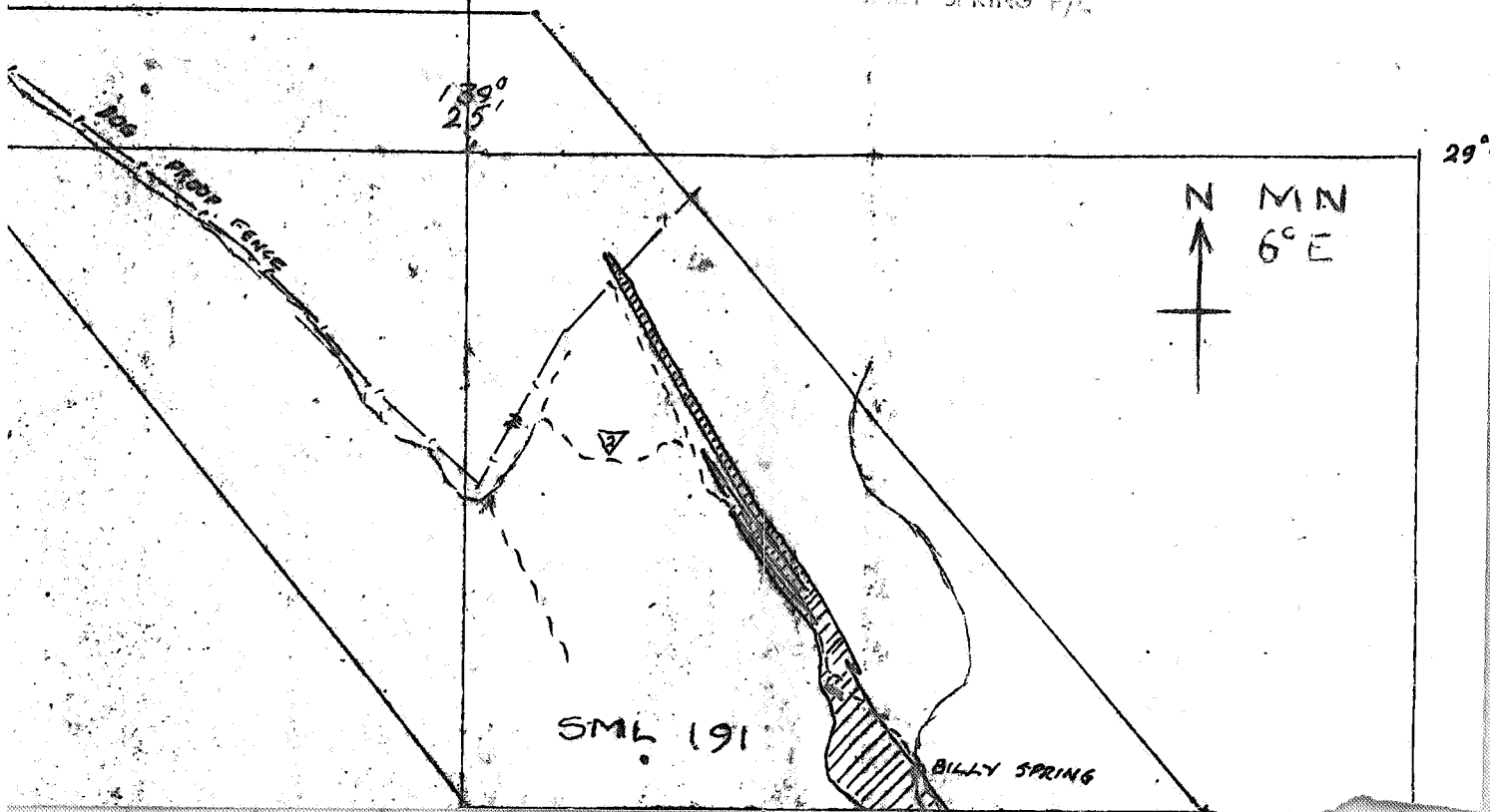
29°



1390
25'

SML 191

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045 70
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PHONE 50 5805

DECEMBER 1968

REPORT SML 191

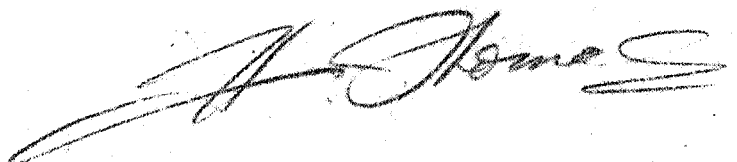
IT SHOULD BE NOTED THAT IN
ESTIMATING PROPOSED EXPENDITURE ON
THIS TENANCY THE WHOLE OF THE
TALL PROSPECTS CONTAINED IN THIS
TENANCY & SML 191 HAVE BEEN
LUMPED TOGETHER

IT IS CONSIDERED THAT THE SUM
OF \$1120 WILL BE EXTENDED ON
SML 173 AND THE BALANCE ON 191

ARE SIMILAR.

AS THE CONDITIONS IN BOTH THESE
TENANCIES THE REPORTS SHOULD BE
READ AS APPLYING TO EACH.

BILLY SPRING P/L



DIRECTOR.