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DM. 418/53

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**DEPARTMENT OF MINES
SOUTH AUSTRALIA**

PETROLOGICAL LABORATORY REPORT NO. 41/54

by

**A.W.G WHITLE
PETROLOGIST.**

7th June, 1954.

DM 418/53

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MIDDLEBACK RANGE TACONITES

A composite sample, viz. M 352/54, was submitted for mineragraphic examination by the Senior Metallurgist.

The sample is from boxes 5A, 5B₁, 5B₂ and 6A.

	<u>Results</u>
Silicates	79.0 .
Haematite	14.5.
Limonite	4.4
Magnetite	2.1

The sample is not sized, hence the results are not accurate, because of the difficulty in representative briquetting and traversing.

The magnetite is martitized along octahedral cleavage planes. It has mostly broken free and exists as small particles.

Haematite and limonite, frequently associated together mostly form composites with silicate.

7.6.54

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