

Department of Mines, Tasmania
Hobart.

19th March, 1943

MEMORANDUM:

LEASE NO. 26M/42 - 20 ACRES
GROOM RIVER - GOULDS COUNTRY

SITUATION:

This lease is on the alluvial flats of the Groom River, and lies adjacent to the main road from St. Helens to Herrick and about 22 miles from the latter place.

WATER SUPPLY:

As the available water for a gravity supply is being used by the Goshen Tin Mining Company, further downstream, it would be necessary to erect a plant to utilise the water of the Groom River, which flows through the property. Apart from abnormally dry periods, there would be sufficient water available for this purpose.

NATURE OF THE FLAT:

Portion of the lease is reasonably well cleared, but there are portions that are well timbered. This indicates that tree roots will be abundant, over most of the flat.

NATURE AND DEPTH OF WASH:

Natural sections are poor on the lease, but a good idea of what is present can be obtained from the face exposed immediately upstream. The "wash" is seen to be very bouldery, particularly the bottom portions but the upper portion forms good sluicing ground. The depth of wash from these workings varies between 6 feet and 10 feet in depth.

Good dish prospects were obtained from the upper portion which probably carries tin from mining activities in the district, but the large percentage of boulders on the bedrock made it difficult to form an estimate of the value of the wash.

To form a reasonable estimate of the values, it would be necessary to sink holes through the property.

QUANTITY OF MATERIAL AVAILABLE:

Judging from the other portions of the flat, the whole area may not be equally tin bearing, and exploratory work is necessary to test the lease.

CONCLUSION:

It is suggested that shafts be sunk at regular intervals across the flat:-

1. to test the value of the wash;
2. to estimate the quantity of payable ground that is present;

3. to determine the nature of the wash.

Until this is done, a proper valuation of the property cannot be attempted.

The boundary nature of the wash, and the presence of trees, are factors that will add to the cost of working the ground.

It should also be emphasised that, although Goshen Tin Mining Company are working at a profit, their mining is all done by water power. The scheme outlined by the Chintock Prospecting Syndicate would be more costly.

(Sgd.) D.E. THOMAS
GOVERNMENT GEOLOGIST.

The Director of Mines.
