

PROSPECT OF EVENDEN & ABEL, GREAT NORTHERN
CREEK

In accordance with the telegraphed instructions of this 21st. ult., I have to state that I visited Evenden's discovery and have to submit the following report:-

Messrs. Evenden and Abel have been prospecting with the Aid of the Sustenance Allowance for a period of eight weeks.

The scene of their operations is the western side of the alluvial flat along the Great Northern Creek immediately under the electric transmission line from Zeehan to Rosebery.

Immediately north of the transmission line some old tail races indicate former attempts to work some of the alluvial ground, but little if any ground appears to have been worked. Evenden and Abel have started a shallow working in this vicinity. They have also prospected the flat for a distance of two to three chains to the South. The prospecting has been restricted to the western side of the flat which is here some three chains wide. The tin ore can be traced to the foot of the hill on the western side and it has without doubt been shed from a lode or lodges on this hill. Much quartz is obtainable near the foot of the hill and specimens of quartz and cassiterite, and of cassiterite on slate are obtainable from the wash pointing to primary deposits close by.

The depth of the ground varies from 2 feet up to 5 feet and more, as one five-foot hole was not bottomed.

The following prospects indicate the value of the ground. All large pebbles were removed before wash was put in the dish.

No.	Place	Result per Dish	Remarks.
1.	Shallow working	Approx. 1oz.	Ruby & black cassiterite.
2.	" "	" 0.6oz.	" " "
3.	N.W. of working	" 1 "	Some specimens.
4.	Shallow Working		
	5' hole not bottomed	" 0.25oz.	Fine cassiterite.
5.	South of No.4 at W edge of flat 12"-18" below surface	" 1 oz.	Greyish black with a little ruby cassiterite.
6.	South of No.5 from 15" depth	" 0.25oz.	Fine cassiterite.
7.	South of No.6, 18' from bank, depth 15"	" 0.37oz.	
8.	South of No.7 from depth 15"	" 1oz.	Coarse cassiterite.
9.	S.W. of No.8 at foot of bank 10' above flat	" 0.37oz.	Detritus rather than wash.
10.	S.E. of No. 8. in flat from hole filled with water	" 1 oz.	Coarse cassiterite
11.	Pack track N.W. of No.3	Not noted	

The nature of the wash varies considerably. In the shallow workings, boulders are numerous and up to 30 inches in diameter, the fine material being a soft slurry. In other places the boulders do not appear so prominently probably because the prospect holes were not bottomed. When angular quartz shed from the hole becomes plentiful the wash is more gritty and resembles detritus.

The above results prove the ground to be of a payable nature. There appears to be a plentiful supply of head water coming from a race higher up the hill. The only difficulty in working the ground appears to be the tail race. This does not come in at sufficient depth to reach the bottom of the deeper ground. This means that the wash would have to be shovelled up into the boxes, which could be done, but the difficulty with the shallow race is that the workings are not drained.

It would probably be possible to deepen the race sufficiently to bottom most if not all of the ground by lowering it starting from a point about three chains down the race. The only alternative is to install an hydraulic elevator but the area of ground proved does not warrant it at present.

In the first place the tail race should be deepened as far as possible. I understand that the party have applied for further sustenance allowance, but any further aid should be in the form of assistance.

signed
P. B. NYE
GOVERNMENT GEOLOGIST
18/6/31