

Bridport,
Tasmania.
July 17th, 1946.

The Director of Mines,
Mines dept.
HOBART.

Dear Mr. Williams,

Re: Pioneer Mine.

Further to my letter of the 21st ult. Delay is being experienced in obtaining quotes for necessary plant. However, with your kind permission I would like to briefly review the figures concerning yardage available, and the estimated values. These figures are derived from my own sampling and from borings initiated by the Austral Malay Tin Mining Co., the records of which I have seen.

The face which I sampled is ten chains long and is open to a depth of thirty feet. The values estimated by dish prospecting appear to be .5 lb steam tin c.yd from the surface to that depth. I have information of a bore hole being put down at the bottom of this face giving a value of more than 2 lb per yd. This ground runs in depth from sixty to ninety feet. For the purpose of these estimates I have used the very conservative figure of .5 lb per yd. though I know values far in excess of this exist.

The section above mentioned runs due west for forty chains to where the Austral Malay Co's bores were sunk. These bores range in depth from 135 to 165 feet with values from $\frac{3}{4}$ to $1\frac{1}{2}$ lbs per yd over the whole depth. There appears to be approximately $7\frac{1}{2}$ million yds at an average value of .5 lb producing 1620 tons of tin. This quantity at present values is over £372,000.

In order to open this ground up we shall require a 3000ft siphon across the Ringarooma River. This must be 26" dia. to convey the necessary 45 head of water. An additional 3200ft of a minimum diameter of 22" is needed to link the siphon with the workings. I intend installing my own design hydraulic elevator giving one foot lift for each four feet of pressure. As there is 280 feet of head, we shall be able to handle forty yards an hour to a height of 70 feet. A 24" column will permit us to handle the drift and natural drainage very economically. There is, to commence with, at least ten acres of dump room.

ESTIMATED COST OF PRODUCTION.

Wages	25 men @ £5 wk.	£150	
	Managerial	20	
Rent		4	
Explosives		30	
Miscellaneous		6	
		<u>£210</u>	£210

Returns

40 yds per hour @ .5 lbs	= 1 ton 7.5 cwt	<u>310</u>
	Weekly profit	<u>100</u>

We are quite prepared to forego profit estimated at £5200 per annum until the loan has been repaid.

I remain,
Yours faithfully,

O.J. WALSH
Bridport