

**MARRAWAH BEACH**

**HEAVY MINERAL SANDS**

**23 October 1968**

**68\_533**

106002

Pickands Mather International

October 23/1968

E.L. 16/67

MARRAWAH BEACH HEAVY MINERAL SANDS.

RECEIVED	23 OCT 1968	REGISTRAR
ANSWERED		H & I.
DEPT. OF MINES		

The Marrawah Beach area is located approximately 35 miles west of Port Latta on the west coast of Tasmania. During 1967 it was found that beaches near Marrawah contained interesting amounts of cassiterite. A program of drilling was carried out to determine the extent of the mineral-bearing sands. Results showed that a belt of Recent sand dunes immediately above the high water mark contained the richest materials. The area of interest is about 6000 ft. long and from 250 ft. to 1000 ft. in width with dunes in the order of 30 ft. - 40 ft. in height above sea level. From the results of investigations completed to date the following was determined:-

#### Heavy Mineral Sands

Sand	3,000,000 cubic yards
Average heavy mineral content	3.6%
Total heavy minerals	108,000 tons

#### Heavy Mineral Concentrates

Total	108,000 tons
Rutile - 2.5% in H.M.	2,700 tons
Zircon - 5% in H.M.	5,400 tons
Cassiterite - 0.098% in H.M.	103 tons (80 tons Sn.)

It is pointed out that a grade of 0.098% cassiterite in the heavy mineral concentrates was calculated from 62 X-ray spectrometric analyses, whereas an initial 6 cassiterite determinations were by grain count resulting in an average 1.73% cassiterite in the heavy mineral concentrate. This discrepancy is appreciable and, because the grain count analyses are considered more reliable, check analyses by another laboratory were carried out. These results confirmed more or less the X-ray spectrometric analyses.

**MICROFILMED**

R.D. SCHMIDT.

①

01

5 cm

106003

# TASMAN VENTURES MARRAWAH BEACH SANDS DEPOSITS

Scale 1" = 2000'

Mt. Cameron West

AMG 305920mE, 5473690mN

DrM	S&A	CC
RECEIVED		
ANSWERED		
DEPT. OF MINES		
APR 1950		

SOUTHERN

OCEAN

Ann Bay

MARRAWAH BEACH AREA

Area of Interest

To Smithton

 Near shore recent dunes



Old Sand Road

Fig 1