

**PROPOSED T.O.E.C. III PROGRAMME**

**RINGAROOMA BAY - TASMANIA**

**EL 6 / 65**

**68\_515**

124002

PROPOSED T.O.E.C. III PROGRAMMERINGAROOMA BAY, TASMANIA

MICROFILMED

FORM	S&	CG	CC & M	D.S.M.E.
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PRINCIPLE AIM:

To upgrade the deposit.

Method:

Close spaced drilling to intersect possible "hot" spots not detected during Phase II.

SECONDARY AIM:

Prove volume to "indicated" level; increase "inferred" volume.

Method:

Limited reconnaissance drilling of bounding area.

SUBSIDIARY AIMS:

To recover seven bulk samples, each of about three to four tons weight for treatment and study in the pilot plant operated by Tasmanian Department of Mines, and for tin recovery studies by Mines Department and by Mineral Deposits Ltd., Southport, Queensland.

Continue a geological appraisal of the area with special reference to the origin of the tin mineralization by cassiterite grain size, drill core and other studies.

OCEAN MINING NL.  
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PROGRAMME:

100-175 vibracorer holes to 15' approx.  
(10'-20').  
Seven bulk samples by jet lift and diver.  
Mineral dressing studies.  
Determination of probable tin recovery.  
Grain size studies to note trends.  
Attempt to assess origin of mineralization.  
Preparation of comprehensive reports.

PERSONNEL:

3 Professionals (2 Geologists, 1 Engineer)  
7 others.

DURATION:

Four months, starting early July or early  
October.

VESSEL:

60' M.V. "Barracouta", already partially  
mobilised. Three months charter with  
right of extension.

POSITIONING:

Line ends to be determined by shore based radio  
connected theodolites.

Hole positions along the line to be buoyed  
by dinghy ahead of the drilling vessel.  
Hole distance physically measured on line  
by eye from Barracouta. Checks by sextant  
to large, specially erected, shore beacons.

SAMPLE ASSAY:

XRF for Tin and Zircon only by Tasmanian  
Department of Mines Laboratory, Launceston;  
by Australian Mineral Development Laboratory,  
by Mineral Deposits, Southport, Queensland.

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## PROPOSED RINGAROOMA BAY DRILLING

## POSSIBLE LINE AND SITE CHARACTERISTICS

Line No	Line Length (ft)	No. of Holes	Hole Spacing		Water Depth (ft)	Drill Sed. Thick (ft)	Sed-iment Type	Poten-tial (1) Penet (av.ft)	To Bedrock?
			100-150 yds	150-300 yds					
1.	4000	11	7	4	95	10	cs,cbcls	10	Y.100%
2.	3000	4	-	4	100	18	cs,cbcls	15	Y. 30%
3.	4000	9	5	4	100	16	ms	16	Y.100%
4.	8000	20	13	7	95-105	13-23	cs,fa,cbcls,clay	15	Y. 50%
5.	10000	11	-	11	90-100	12-25	fs,grav	15	Y. 30%
6.	3000	10	10	-	100	10-12	ms,silt	12	Y.100%
7.	6000	13	8	5	90-100	11-30	ms,grav	15	Y. 30%
8.	3000	10	10	-	110	12-14	ms,clay	14	Y.100%
9.	10000	18	10	8	90-100	8-40	ms,gr.d	10	Y.10%
10.	5000	16	12	4	110	24	f-ves,clay	12	NO
11.	4000	10	7	3	100	18	sst,clay	12	Y. 60%
12.	4000	10	7	3	110	31	fs,clay	10	NO
13.	8000	15	7	8	105-110	28-34	f-ms,grav	15	NO
14.	5000	6	-	6	125	?	?	15	?
TOTALS	77,600	163	96	67				Ave/hl =13.0	Y.38%

Notes.

1. Penetration estimate based on available drill log information and vibra-corer capability.
2. Lines 2,4,6,8,10,11,13 would be drilled first.  
The sequence for drilling for the fill-in lines would be determined following receipt of assay results for the initial lines.

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RINGAROOMA BAY BULK SAMPLESFORTIN AND ZIRCON ASSAY, TIN RECOVERY,  
METALURGICAL AND MINERALOGICAL STUDIES

Hole No	Tin Content		Water Depths (ft)	Sediment Type*
	(ppm)	In top (ft)		
2	91	9	84	ms.w/grav
36	301	9	112	fs w/cbls
42	192	10	95	m-cs w/cbls
71	65	10	115	cs
779	310	11	108	csw/cbls
89	713	13	114	f-ms,grav
103	691	18	112	ms,silt

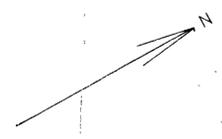
\* f        fine  
 m        medium  
 c        coarse  
 s        sand  
 cbls    cobbles  
 grav    gravel

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Bulk Samples - criteria for location

1. Situated on or near Phase III drill lines.
2. Reasonable number to reduce chance of missing "hot" ore.
3. Based on drill holes with known mineralization near surface (accessible by Jet Lift.)
4. Sediment type suitable for jetting.
5. Reasonably uniformly distributed over area.
6. Will take a vibracorer sample when on station, before jetting, to get correlation of assay results.

OCEAN MINING A.G.  
PROPOSED SAMPLING PROGRAMME  
T. O. E. C. III  
APRIL, 1968



- LIMIT OF OREBODY ON BASIS OF GRADE OF TOTAL SEDIMENT THICKNESS
- - - LIMIT OF OREBODY ON BASIS OF BETTER THAN ONE OUNCE GROUND OVER SIX FEET INTERSECTION
- ⊙ SUGGESTED LOCATION OF BULK SAMPLES

