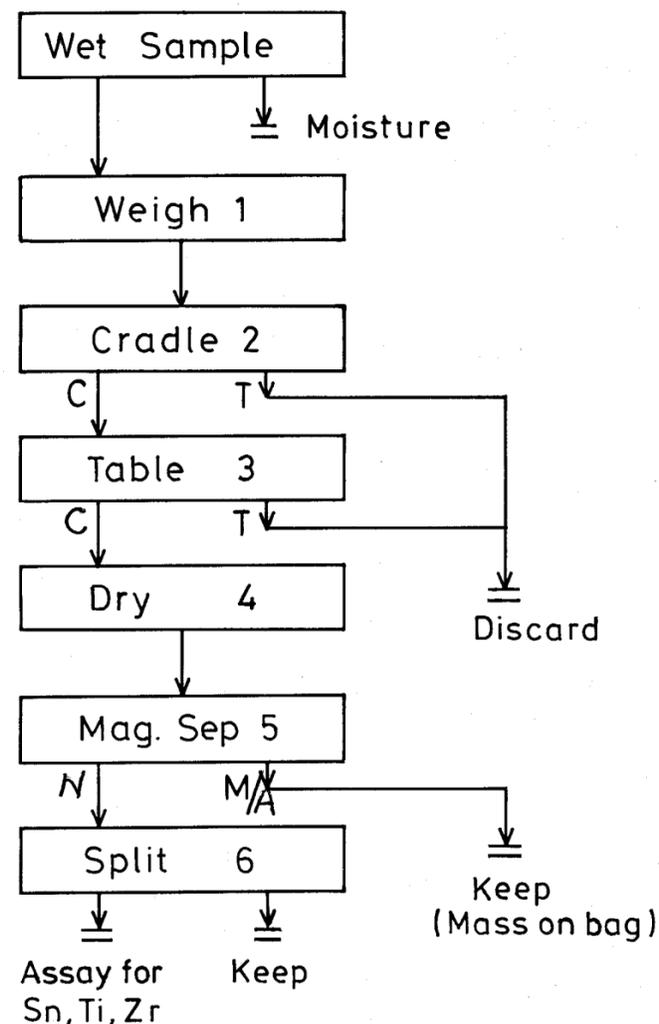


R818

OCEAN MINING A.G.

Drilling Program 1966-67, Ringarooma Bay

FLWSHEET FOR SAMPLE TREATMENT



CALCULATION SHEET

Reg. No.	Wet Mass (kg)	Moisture		Dry Mass (kg)	Non-Mag.			Head Assay				
		Wet Mass(g)	Dry Mass(g)		Mass (g)	Assay %		N %	Metals (g/t)			
					Sn	Ti	Zr			Sn	Ti	Zr
Example 669999	12.65	210	180	(10.85)	212.3	1.2	10.6	15.3	(1.7)	(236)	(2080)	(3000)
				() = calculated figures								
symbols	W_w	w_w	w_d	W_d	N	S	T	Z	n	s	t	z

CALCULATIONS

DRY MASS

$$W_d = \frac{W_w \cdot w_d}{w_w}$$

where W_d = dry mass in kg
 W_w = wet mass in kg
 w_d = dry mass of sample in gm
 w_w = wet mass of sample in gm

NON-MAGNETIC FRACTION

$$n = \frac{N}{10 \cdot W_d}$$

where n = % non-mags in head
 N = mass of non-mags in gm

METAL CONTENT OF HEAD SAMPLE

$$m = \frac{10 \cdot N \cdot M}{W_d}$$

where m = metal content in g/t
 M = % of M in non-mags

$$= 100 \cdot n \cdot M$$

hence $s = 100 \cdot n \cdot S$

$t = 100 \cdot n \cdot T$

$z = 100 \cdot n \cdot Z$

where s = tin content in g/t
 S = % tin in non-mags
 t = titanium content (rutile)* in g/t
 T = % Ti in non-mags
 z = zirconium content (zircon)* in g/t
 Z = % Zr in non-mags

*this refers to titanium and zirconium occurring as rutile and zircon respectively and not to the amount of these minerals present.