

## UNPUBLISHED REPORT 1968/38

# Mineralogy of samples from the Coles Bay area

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Samples of concentrates of wash collected by geologist D. Jennings from the Coles Bay area have been examined with results as shown below.

### LOCALITY 1

Marshy flat east of Coles Bay Road (400 yards south of Apsley River).

- Sample 1 Hole 2, wash horizon
- Sample 2 Hole 5, wash from heap
- Sample 3 Hole 5, clayey wash from pit.

Sample	1	2	3
Ilmenite	75	60	50
Quartz and feldspar	1	30	35
Zircon	20	5	10
Rutile	2	1	3
Cassiterite	2	2	-
Tourmaline		1	1
Topaz		1	1

### LOCALITY 2

Marshy flat adjacent to gravelly ridge, south of Courlands track east of Coles Bay Road.

- Sample 4 Line A, Hole 1, wash on granite base
- Sample 5 Line A, Hole 1, wash 3' above granite base
- Sample 6 Line A, Hole 2, wash 3' down 7' hole
- Sample 7 Line A, Hole 4, wash on granite at 5'6"
- Sample 8 Single hole to west, wash on granite at 5'

Sample	4	5	6	7	8
Ilmenite	30	40	60	30	15
Quartz and feldspar	40	48	18	10	28
Zircon	5	3	20	25	6
Rutile	-	-	-	tr.	1
Cassiterite	15	5	-	30	50
Tourmaline	8	4	1	2	-
Topaz	2	tr.	1	3	tr.

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