

Q6. No. 9.

259001

64-380

KING ISLAND  
SCHEELITE  
1947  
LTD

King Island Scheelite S.P.L. No. 408.

259E

REPORT

Locality & Access

S.P.L. No.408 is centred on Mt.Counsel Trig., and being roughly rectangular, extends 2 miles east and west, and 1 mile north and south of the trig. point.

The Reekara road runs to Payne's farm. From there a track leads to the top of Mt.Counsel. Access to most of the area is by foot. Another track leads near the northern boundary, and access to the west is from the 9-mile beach.

Geology

The eastern portion of this area is occupied by biotite granite, which crops out in a few places, and presumably underlies the sand dunes. At Mount Counsel and south of it, the granite makes contact with metamorphic rock, and the induration of the metamorphic rock has caused a ridge to persist for one half-mile south of the trig. On the northern - western flanks of Mt.Counsel there are a number of dykes of pegmatite, containing clear quartz, feldspar and muscovite.

In the absence of other outcrops, recourse was had to auger holes to obtain samples of soil, sand and decomposed rock. The following rocks were identified as occurring in the area; muscovite, staurolite schist, and fine and coarse grained quartzites.

Soil Samples

39 soil samples were taken at sites shown on the plan accompanying the report. Nearly all, on panning, yielded a concentrate of ilmenite and rutile. Four samples yielded a few specks of cassiterite.

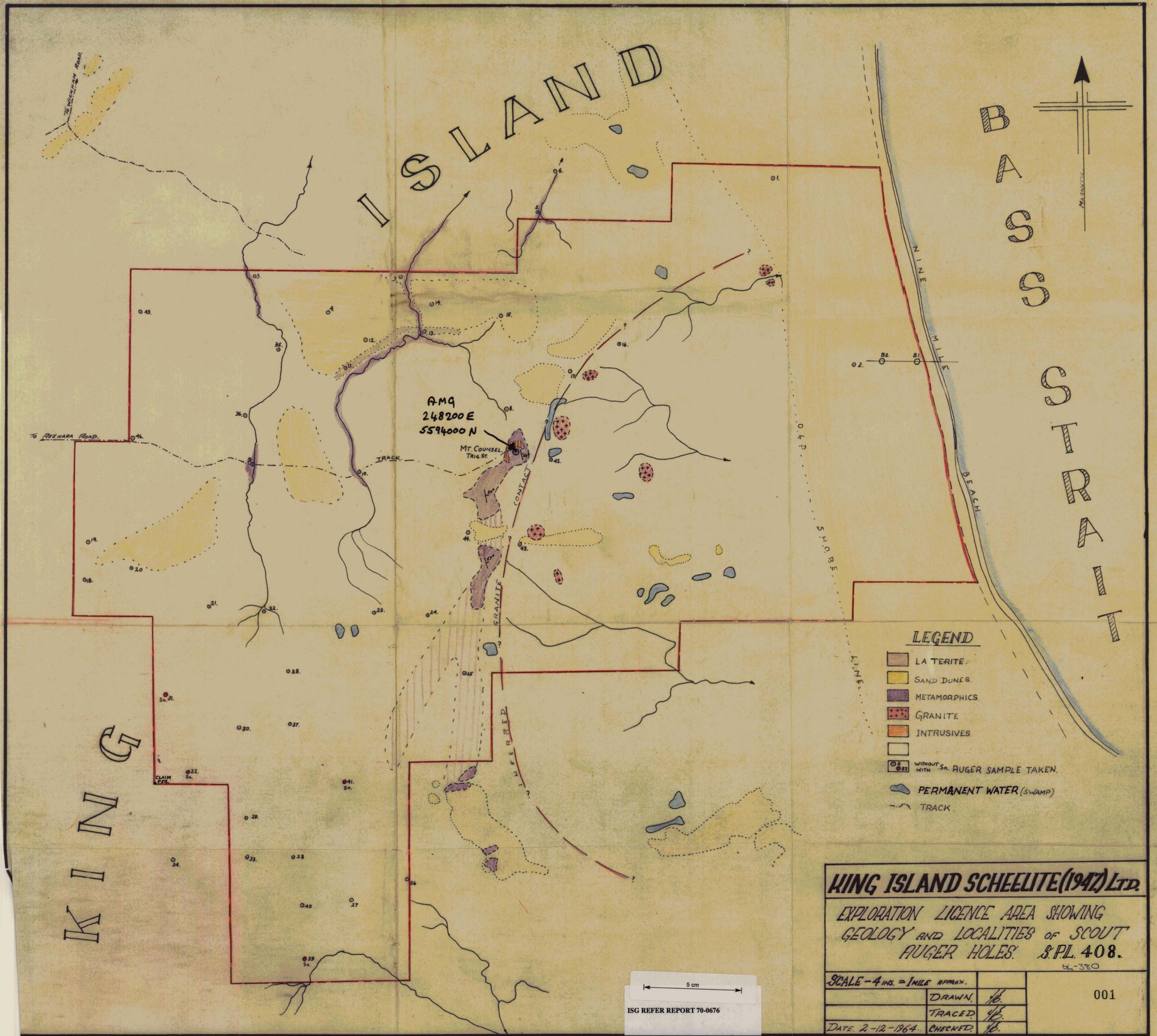
Conclusion

Neither cassiterite, nor any other mineral, was found in quantity sufficient to encourage further prospecting with <sup>in</sup> the area of S.P.L. No.408. The few specks of cassiterite found are consistent with the occurrence of a deposit of alluvial tin 5 miles south on the Sea Elephant River.

It is recommended that the S.P.L. be not renewed.

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LEGEND

- LA TERITE.
- SAND DUNES.
- METAMORPHICS.
- GRANITE
- INTRUSIVES.
- 
- WITHOUT Sn. AUGER SAMPLE TAKEN.
- WITH Sn. AUGER SAMPLE TAKEN.
- PERMANENT WATER (SWAMP)
- TRACK.

**KING ISLAND SCHEELITE (1947) LTD.**

EXPLORATION LICENCE AREA SHOWING GEOLOGY AND LOCALITIES OF SCOUT AUGER HOLES. SPL. 408.

SCALE - 4 ins. = 1 MILE APPROX.

5 cm  
ISG REFER REPORT 70-0676

	DRAWN.	16.
	TRACED	16.
DATE 2-12-1964.	CHECKED.	16.

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