

SCAMANDER RIVER ANOMALIES

18/4/84

3 isolated anomalous samples occur in the western part of the licence close to the confluence of the Scamander and Avenue Rivers. All 3 samples were taken in alluvial-rich areas.

A) S/S 11105 Site Analytical Error (Despite old workings) (True value -6 ppm Sn)

Location - On the Scamander River 1 km west of the Avenue/Scamander river junction. Located on a north flowing tributary.

Anomaly - Single sample anomaly

11105 - 340 ppm Sn, 20 ppm WO_3 , 10 ppm Mo

No associated base metal values.

Followup Sampling - 3 stream sediment samples (1 repeat)
nos. 7601 to 7603

6 rock chip/alluvium samples (+ road metal - 2)
nos. 7701 to 7706

Tin - The original panned concentrate yielded a high proportion of rounded quartz grains with minor ilmenite. Samples panned in the sample vicinity yielded ruby tin associated with alluvium.

Geology - Sporadic outcrops of Mathinna Bed sediments - well bedded and unaltered. Striking NW dipping SW. Mathinna Beds covered by Tertiary(?) alluvium of Mathinna rock origin plus a thin veneer of quartz sand - of Quaternary origin?

Anomaly Cause - A repeat sample of the 11105 site yielded no tin in the pan. Reccy in the area yielded old workings 20m from the sample point with the top 0.5m of alluvium sluiced. Samples from sluiced areas yielded rounded ruby tin associated with a white quartz sand. Rounded clasts of

- i) Mathinna Bed seds. with tourmaline veining and impregnation.
- ii) Fine grained biotite granite.
- iii) Silicified/recrystallized Mathinna sediments (hornfels) were noted in the workings.

High tin values associated with a pocket of Quaternary(?) alluvium forming a thin sheet over Tertiary Mathinna derived gravels.