

2. RESULTS

(A) Northeast Tasmania

(i) Swan Island 1:100,000 sheet 8 sample sets taken.

An area of Mathinna Beds intruded by the Devonian tin bearing Mt William granite and overlain by an extensive cover of Quaternary sands and minor Tertiary Basalts and associated rocks.

The only significant stream sediment anomaly was the 85ppm As in sample A119531. This sample drained an area of sand and Mathinna Beds containing the old Portland Au mine. No other anomalies in stream sediments were noted probably due to the abundance in most drainages of quartz rich sands derived from the quaternaries and/or Quaternary sands.

Panned concentrate samples showed the presence of tin in the Mt William area (2.15% in A119440, 260ppm in A119433 and 860ppm in A119436). The only one of these that was significant was A119440 from Icena Creek as this also contained 100ppm As and 0.37ppm Au. This was from an area on the fringes of the Portland Goldfields.

Although the bulk gold sample from A119440 was not anomalous the sample from further upstream (A119435) contained 1.5ppb Au and 32ppb Cu (bulk gold). No bulk gold samples were taken from the A119529 - 531 area.

The ferruginous gravel samples showed no anomalous values.