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priority work in ground not covered by mining title.

(v) St. Patricks (Pipers) 1:100,000 sheet  
48 Sample sets taken

The northeastern half of the area is underlain by Mathinna Beds intruded by granitic rocks of the Scottsdale Batholith. This has been overlain by some Tertiary basalts and sediments and Quarternary sands. In the southwestern half of the area (dominantly unsampled) the main rocks are Permian sediments capped with Jurassic dolerite. Some Tertiary and Quarternary cover is present.

The Back Creek, Lebrina/Golconda, Lisle and Lefroy goldfields occur within the Mathinna Beds. The trends of these fields tend to be parallel to the Tamar Graben structure and to the Mangana to Waterhouse trend (on the Forester sheet).

Anomalous bulk gold sample A119413 is related to leads beneath the Tertiary basalt such as at Back Creek and Lefroy fields while A119426 is related to the Lebrina field and A119448 is related to the Lisle and Golconda fields. Apart from A119542 (see Forester sheet) no other significant bulk gold anomalies were obtained.

A119447 (from the headwaters of the Little Forester River) showed a weak bulk gold anomaly (0.2ppb Au, 45ppb Cu and 8ppb Ag) which was confirmed by the stream sediment sample (390ppm Cu, 330ppm Zn and 110ppm Ni). This stream drains an area of metamorphosed Mathinna Beds.