

## 5.2 DRAINAGE GEOCHEMISTRY

Panned concentrate and minus 80 mesh sampling was carried out in all streams draining the stratigraphic top of the Wart Hill Pyroclastics between 5 245 000N and 5 251 000N i.e. up to 4km north and 2km south of the original gold drainage discovery.

- i) Panned Concentrates: Results of Au, Sn and W in the panned concentrates are given in plan 82. The final concentrates averaged 30 to 70 grams in weight after panning a full dish of bottom sediment taken from creek bed. Detailed weighing of the original sample and panned concentrate were not undertaken and thus the results are not strictly quantitative. However, the programme has clearly defined a zone of highly anomalous gold values extending the full length of the surveyed area. Samples with values above 500ppb Au (i.e. 0.5g/t) fall into an elongate zone 300-800m wide extending north and south for over six kilometres (see fig 22). Coincident anomalous tin values (greater than 100ppm) occur over the southern portion of the gold anomaly, in Stoney Creek and its tributaries. This area has been designated VOYAGER 30 and is discussed further in section 5.4. Visible gold was observed in most pans which recorded above 1000ppb Au. At one location in Gerard Creek (KD 6001) a small nugget of gold 2mm across was discovered adhered to a fragment of milky quartz.

North of VOYAGER 24, the gold anomaly extends along Boyles Creek to Walters Creek, draining the western side of the Voyager 19 mineralized zone. Two anomalous tungsten values (750 and 110ppm) occur within the gold zone in the upper reaches of Boyles Creek around 379 000E, 5 249 600N.