

14. ANOMALY 4 (EL 2367)

14.1 Introduction

Anomaly 4 is located approximately 12km south west of The Granites within EL2367. It is an area of extensive sand cover and no observed outcrop.

The area was considered anomalous based upon reconnaissance vacuum/laterite sampling at spacings of 1km x 1.8km. Three anomalous Bulk Cyanide Leach (BCL) results at threshold (>0.9 ppb Au), viz 1.05ppb, 0.94ppb, and 1.30ppb were returned. In addition, a single anomalous (>4 ppb Au) base of hole (BOH) sample was returned with 130ppb Au.

These results warranted a further phase of detailed vacuum drilling on a 500m x 500m grid and a mapping/rock chip sampling program.

This follow-up work carried out in 1990 resulted in six anomalous (>64 ppm) lead (Pb) laterite samples of 64,66,66,68,68, and 94ppm, which represented 17% of the samples taken. A single anomalous tin (Sn) (>10 ppm) value of 10ppm was returned. This represented 3% of the samples taken. Several anomalous gold (Au) results were identified in BCL sampling and BOH sampling. These results however were taken from areas where bedrock was not intersected. Elsewhere, where bedrock was penetrated beneath alluvium metasiltstones, pelites and greywackes of the Madigan Beds were logged, though no anomalous results were received from bedrock. One sample (A4V63) revealed a BCL result of 1.05ppb Au and 1640ppb Ag, as well as a BOH value of 18ppb Au. Later consideration indicated that this result was from colluvium.

5 vacuum holes were drilled in 1992 to evaluate the results of hole A4V63.

14.2 Work Undertaken

Main activities for the reporting period were vacuum drilling, rock chip and lag sampling together with geological mapping.

Mapping and Composite Rock Chip Sampling

Mapping and rock chip and lag sampling were undertaken to the south of Anomaly 4 over the sparse exposure of the Madigan Beds. Mapping was aided by interpretation from aerial photography and the Global Positioning System (GPS).

Vacuum Drilling

5 holes were drilled with a collar spacing of 250m centred on A4V63. The vertical holes were drilled as deep as conditions would allow.

Drill samples were composited into two metre samples on site and dispatched for analysis for Au by Analabs method 334 (30g aqua regia digest with carbon rod finish) and As by Analabs method 115 (perchloric acid digestion/hydride generation with atomic absorption spectrometry finish.)

Representative samples were collected from each drill composite to assist geological interpretations and for petrological work if required.

Deep alluvial cover and a perched watertable prevented the intersection of the bedrock.

Details of work carried out are summarised below.

ANOMALY 4 - WORK CARRIED OUT							
Surface Sampling			Vacuum Drilling				
Laterite	Lag	CRC	Holes	Metres	Samples	BCL	Period Ending
35	-	-	101	1392.2	101	101	Dec 90
-	-	-	-	-	-	-	June 91
-	-	-	-	-	-	-	Dec 91
-	6	17	-	-	-	-	June 92
-	-	-	-5	76.5	40	-	Dec 92

14.3 Results

Mapping and Composite Rock Chip Sampling

Mapping revealed typical Madigan Beds lithologies. Discrete sampling of quartz veining within these units was undertaken. However no significant rock chip or lag results were returned.

Anomaly 4 is entirely covered by deep colluvial silts and sands. Where these units have been penetrated by the vacuum drilling the bedrock has been shown to be non magnetic Madigan Beds. The airborne magnetics indicate a gentle smooth gradient without anomalous features.

To the south of Anomaly 4, Madigan Beds outcrop.

Vacuum Drilling

No results comparable with original assays in A4V63 were returned. Bedrock was not intersected due to problems of deep (20m+) transported cover and water. The anomalous results of A4V63 were taken from 4-5m depth. Redrilling of this drillhole revealed in excess of 23m of indurated alluvial silts.

No further work is anticipated.

Results are presented below-

ANOMALY 4 - SAMPLING IN 250 METER RADIUS OF A4V63						
DRILL HOLE	063	102	103	104	105	106
	BCL	BOH	(redrill)	(south)	(west)	(east)
				BVD*		(north)
(Detection Limit)						
Au (1ppb)		18	2	1	5	3
As (20ppm)		20	20	20	20	20
Au (0.01ppb)	1.05					
Ag (0.01ppb)	1640					
Depth (m)	5	5	23m	13.5	20	17(wet)
Geology	Elluvium		Indurated	Alluvial	silts	3(wet)

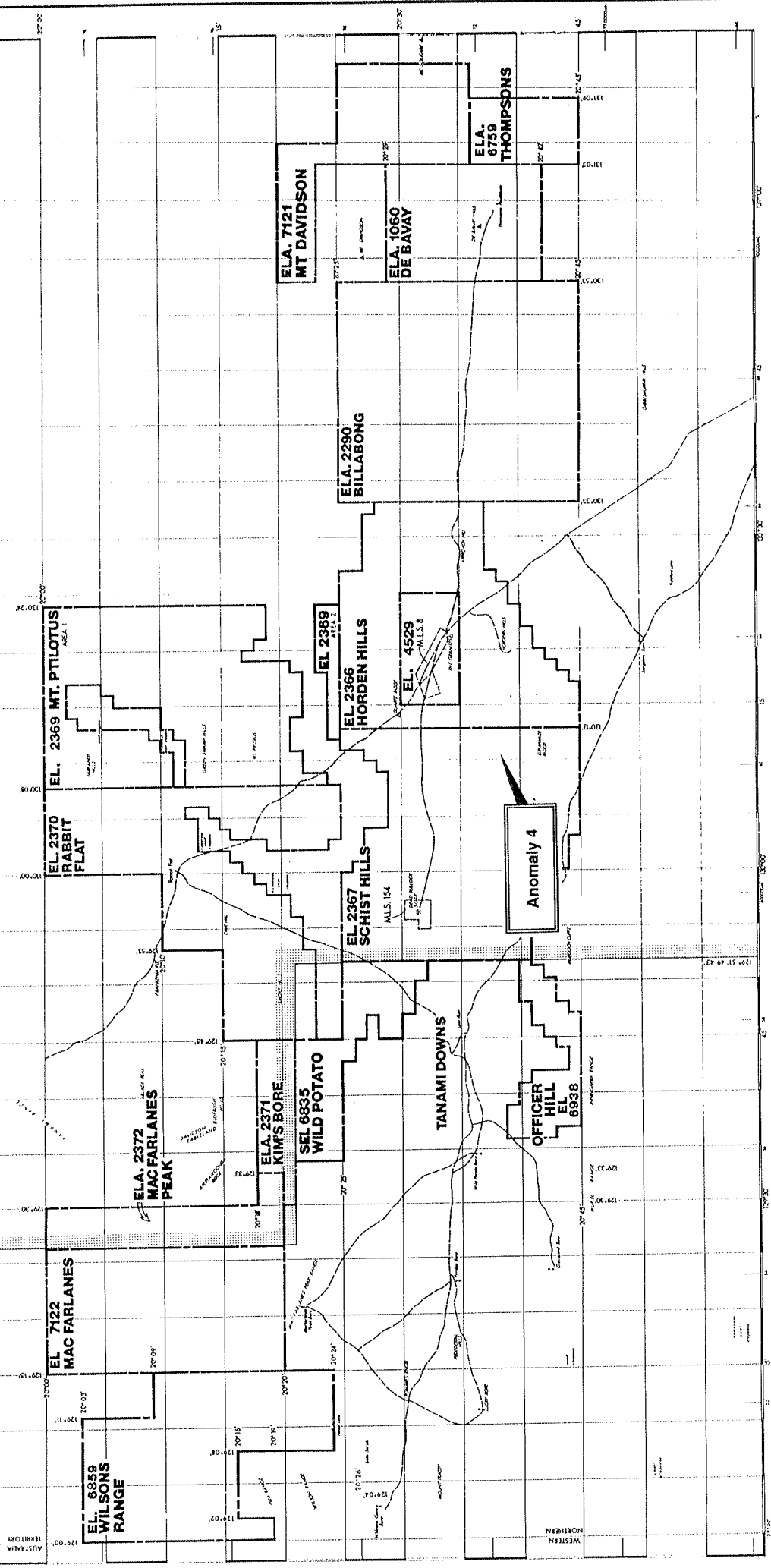
* Best Value Downhole


BCL = Bulk Cyanide Leach

BOH = Bottom of Hole

14.4 Plans

Drawing No.	Title	Scale
60-307	Fact Geology K16	1:25000
40-1005	Geochem Anomaly Follow Up Hole Loc & Geology	1:25000
40-1016	Geochem Anomaly Follow Up BOH Assay and CRC	1:25000
40-1027	Geochem Anomaly Follow Up Bleg/Laterite Geochem	1:25000





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EL LAYOUT

Scale: 1:50,000

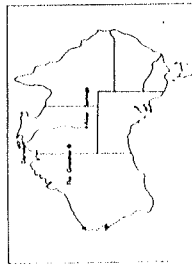
North Arrow

Fig. 14 A

LEGEND

- Boundaries
- Water
- Vegetation
- Topography
- Infrastructure
- Other

LOCATION MAP



EL 4529

EL 2367

EL 2366

ANOMALY 4

SUMMARY GEOLOGY 1:100000

The map shows a complex geological landscape with various units labeled: Granite, Metapelite, Alluvium, Clay alluvium, and others. Topographic features include 'The Granites Gold Mine' and 'The Eastern Hills'. A red box highlights a specific area labeled 'ANOMALY 4'. The map is titled 'SUMMARY GEOLOGY 1:100000'.

17/2/19

