

97-4040

ANNUAL REPORT -R J HOLDEN
EL 16/93 - ST PATRICKS RIVER

397001

Annual Report

6 May 1996 - 6 May 1997

MICROFILMED
FICHE No. 014528-

St Patricks River

E.L. 16/93

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EL 16/93
- 6 AUG 1997
See folio 76

LICENSEE:

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DATE:

18 July 1997

97-4040

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Tenement Information

E.L. 16/93 covers an area of 12 km² in the district of Dorset in the vicinity of St Patricks River.

The country rock is Mathinna beds with Devonian Granodiorite within the eastern edge.

Access to this area is via Corkerys Road or the East Diddleum Road. Both roads are accessible from the Tasman Highway. Some forestry roads provide limited access, but mostly access is by foot.

This area of 12 km² is mostly state forest with some forestry operations. About 20% is privately owned with some plantation eucalypts and low key farming being carried out.

Mining History

There are two small areas within the tenement which has been previously mined.

The first is in the north western corner of the E.L.. This working covers an area of approximately 100 mx 30 m and is of open cut nature. The area is said to contain a small amount of gold and silver. Most of this working is now under water as it has been converted into a dam.

The second is in the north eastern corner of the E.L..

This working consists of an adit and trenches which were constructed early this century. This adit is commonly known as Whittings Prospect.

The adit drive enters the hill beside a small creek. It then continues on for 45 metres where a cross cut takes it basically east and west along a silicified, sulphidic shear zone.

Gold was the target of exploration and assay^sprove its existence. This shear zone was worked for 11 metres to the west and 24 metres to the east.

Best grades to date are:	AU - 9.3 PPM
	Ag - 462 PPM
	Pb - 1590 PPM
	Zn - 2990 PPM
	Cu - 263 PPM
	As - 46000 PPM

Summary of Work Completed

Trench sampling at 2 metre intervals of the backs in the adit has been completed and an average grade of 184 PPb Au has been realised.

Costeans that have been located are mostly to the north east of the adit. One of these realised a grade of 1 g/t Au.

Soil sampling above the adit has been completed. ✓

The first line (Line 9) proved that the mineralisation is disseminated in the country rock and also that another vein of similar size had been located.

An extra four soil lines have been completed. These consist of three B-Horizon of 350m in length each and one C-Horizon soil sampling line of 480m in length.

B-Horizon soil samples were taken by hand at a depth of 20-30 cm.

C-Horizon soil samples were taken with a power auger at a depth of 45-100 cm, with the exception of five samples that were B-Horizon (#552, 553, 554, 536, 539) because of difficulties retrieving a C-Horizon sample. The assay method for the last four soil line was a 30g fire assay with an AAS finish compared to an assay method of aqua-regia digest with an AAS finish which was used for Line 9.

} data?
95-3717

Details of Specific Surveys

Adit Sample No. and Comments

Sample No.	Comments
#301	The quartz vein is 245 cm across the vein. Very little sulphides visible.
#302	The quartz vein is 180 cm across the vein with very little sulphides visible.
#303	The quartz vein is 165 cm across the vein with very little sulphides visible.
#304	The quartz vein is 145 cm across the vein with very little sulphides visible.
#305	The quartz vein is 200 cm across the vein. Some sulphides present (minor amount).
#306	The quartz vein is 100 cm wide on the foot wall. There is a 30 cm wide piece of solidified Mathinna beds and a 10 cm wide vein of quartz on the hanging wall. Minor amounts of sulphides visible.
#307	The quartz vein is 30 cm wide on the foot wall and the rest of the face consists of solidified Mathinna beds (95 cm wide). Minor amounts of sulphides visible.
#308	This sample was taken along a very small shear with pockets of sulphides visible along the shear zone.
#309	This sample was taken along a shear zone also. There are pockets of quartz and sulphides ranging from 10-20 mm along this zone.
#310	The quartz vein is 110 cm wide at this sample location and appears to be included in the hanging wall. No sulphides visible.
#311	The quartz vein is 270 cm wide here with no sulphides visible.
#312	The quartz vein is 220 cm wide here with no sulphides visible.
#313	The quartz vein is 150 cm wide here with some minor sulphides visible.
#314	The quartz vein is 195 cm wide here with no sulphides visible.
#315	The vein is 167 cm wide here and consists of quartz - Mathinna beds breccia. Very little sulphides present.
#316	The vein is 135 cm wide and consists of quartz with pockets up to 40 mm of sulphides.
#317	The vein here is 105 cm wide in total width. On the foot wall side is a 30 cm wide section of massive sulphides and the remainder of the vein is made up of quartz with pockets of sulphides.
#318	The total vein width here is 107 cm wide. On the foot wall side is a section of quartz and sulphides that is 30 cm wide. The remainder is quartz - Mathinna bed breccia with pockets of sulphides visible.
#319	The vein here is 147 cm wide with a 10 cm section of sulphides on the foot wall. The remainder is made up of quartz - Mathinna beds breccia with very little sulphides visible.
#320	The vein here is 90 cm wide with inclusions of sulphide right across the vein.
#321	The vein here appears to be a "stringer" of 105 cm in width with very little sulphides visible.

Assays Reported: 1995

95-9317

Details of Specific Surveys

Line 12, C-Horizon Soil Sampling

Sample No.	Sample Depth (cm)	Colour	Comments
#525	100	Pink/brown	
#526	70	Golden yellow	
#527	70	Yellow-grey/brown	Very sandy
#528	100	Pink/orange	
#529	70	Brown	Bed rock - pink/grey
#530	70	Brown	Bed rock - yellow/grey
#531	100	Brown	Bed rock - yellow/grey
#532	50	Choc/brown	
#533	90	Orange/brown	
#534	45	Orange/brown	
#535	100	Orange/brown	
#536	B-Horizon	Choc/brown	Very rocky
#537	95	Yellow/brown	
#538	95	Orange/brown	
#539	B-Horizon	Choc/brown	Very rocky
#540	85	Orange/brown	Red schist
#541	100	Orange/brown	
#542	100	Orange/brown	
#543	100	Orange/brown	Sulphides?
#544	95	Orange/brown	+ Yellow/grey pieces
#545	70	Orange/brown	
#546	100	Orange/brown	

Conclusion

In conclusion, several discoveries have been made. They are as follows:

1. Whittings Prospect

Whittings Property is believed to be the adit that has been located on a bend in the St Patricks River. Gold grades have been disappointing even though one rock-chip sample returned an assay of above 9 g/t Au., the average grade is very low and would be considered background gold.

1995
Report

One interesting point that was noticed is that the gold grades seem to correspond more to the zinc values than to the arsenic values.

2. The areas adjacent to Whittings Prospect

The areas to the north and south have shown to contain some mineralisation (arsenic) and these structures appear to run parallel to the hydrothermal vein that the Whittings Prospect/Adit is located on.

It was suggested before that a dark red schist seemed to be a good indication of the location of the reefs in the area. This has been proven with sample No 540C indicating a higher than average grade of arsenic (46PPM), which was also the location of a good specimen of the red schist.

Further to the south some several hundred metres more red schist can be located and it appears that an area could be defined to carry several hydrothermal veins of the same type as in Whittings Prospect/Adit.

3. Also with the presence of silver sulphides (ruby silver) in the Whittings Prospect/Adit it would be suggested that the adit is in the secondary enrichment zone which could indicate better mineral values at depth.

Exploration Philosophy

"To build a discovery to a mineable asset".

Exploration Objective

To explore the area within E.L. 16/93 for hydrothermal gold deposits.

Proposed Future Exploration

Future exploration will consist of more soil lines to the east, west and south to determine the extent of the hydrothermal veining system in the area of the Whittings Prospect/Adit.

Whittings Prospect/Adit will be drilled using a diamond core drill this coming season to determine the grades at depth and to also determine if the adit is in fact in the secondary enrichment zone as suggested.

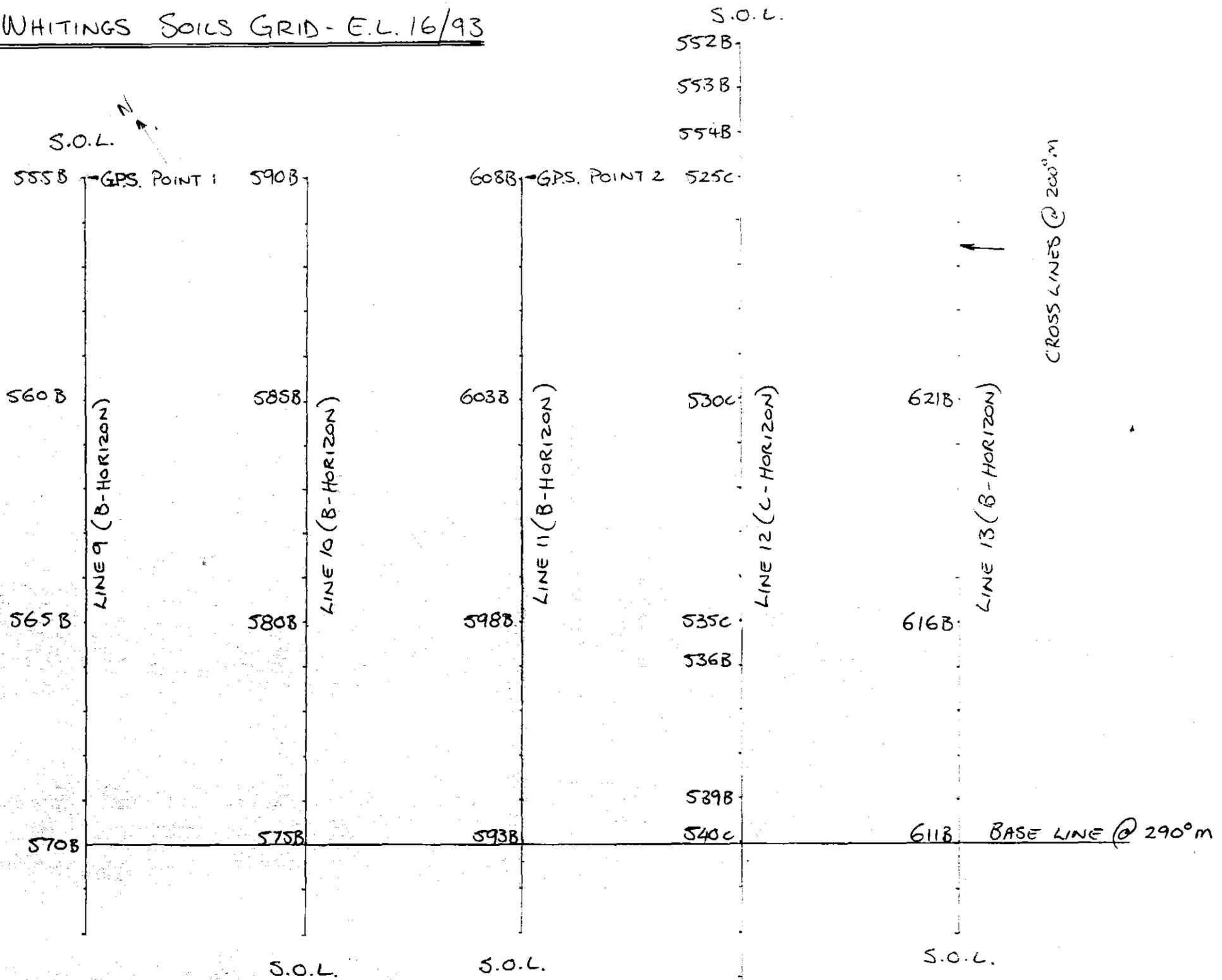
Refc:\aa\bo\thol3007rpt.doc

SAMPLE LOCATIONS - WHITINGS SOILS GRID - E.L. 16/93

397009

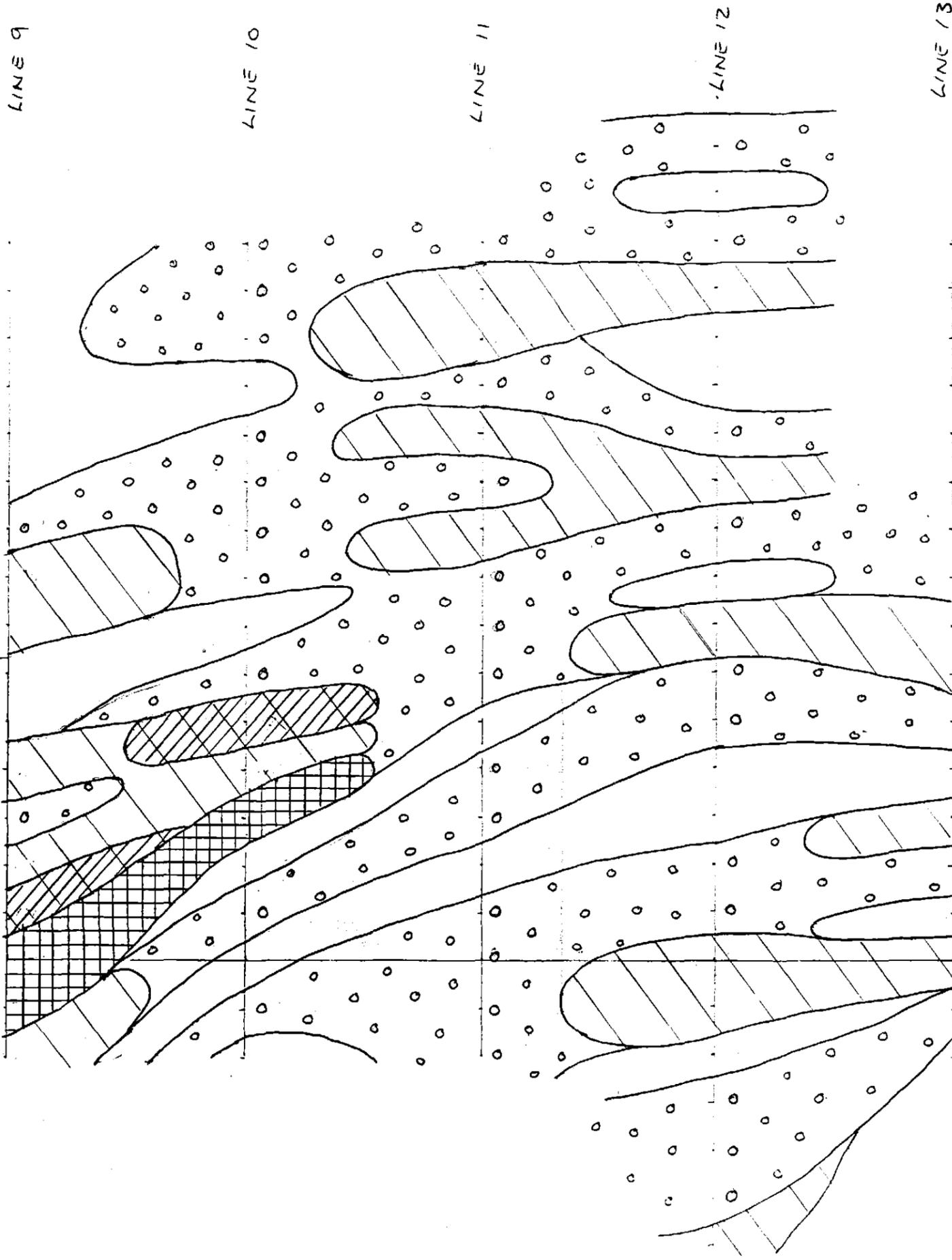
GPS POINT 1 E 536 962
N 5428 673

GPS POINT 2 E 537 115
N 5428 570



0m SCALE 100m

5 cm



ARSENIC CONTOURS
WHITINGS SOILS GRID

LEGEND

	10 - 20 PPM
	21 - 50 PPM
	51 - 100 PPM
	101 - 300 PPM

BASE LINE



Our reference : BU013329
 Your reference : 04/07/97
 Project code : Soils
 Report date : 29/07/97
 Report status : Final
 Page : 1 of 2

397011

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

ANALYTICAL DATA

Sample	Au	As	As			
525C	<0.01	N.A.	10			
526C	<0.01	N.A.	22			
527C	<0.01	N.A.	4			
528C	<0.01	N.A.	4			
529C	<0.01	N.A.	15			
530C	<0.01	N.A.	21			
531C	<0.01	N.A.	11			
532C	<0.01	N.A.	5			
533C	<0.01	N.A.	45			
534C	<0.01	N.A.	15			
535C	<0.01	N.A.	18			
536B	<0.01	N.A.	1			
537C	<0.01	N.A.	<1			
538C	<0.01	N.A.	19			
539B	<0.01	N.A.	15			
540C	<0.01	N.A.	46			
541C	<0.01	N.A.	25			
542C	<0.01	N.A.	8			
543C	<0.01	N.A.	13			
544C	<0.01	N.A.	18			
545C	<0.01	N.A.	11			
546C	<0.01	N.A.	32			
552B	<0.01	N.A.	6			
553B	<0.01	N.A.	10			
554B	<0.01	N.A.	1			
571B	<0.01	210	N.A.			
572B	<0.01	N.A.	21			
573B	<0.01	N.A.	7			
574B	<0.01	N.A.	14			
575B	<0.01	N.A.	<1			
576B	<0.01	N.A.	12			
577B	<0.01	N.A.	6			
578B	<0.01	272	N.A.			
579B	<0.01	N.A.	23			
580B	<0.01	60	N.A.			
581B	<0.01	N.A.	14			
582B	<0.01	N.A.	9			
583B	<0.01	N.A.	20			
584B	<0.01	N.A.	27			
585B	<0.01	N.A.	11			
586B	<0.01	N.A.	12			
587B	<0.01	N.A.	3			
588B	<0.01	N.A.	10			
589B	<0.01	N.A.	18			
590B	<0.01	N.A.	12			
591B	<0.01	N.A.	19			
592B	<0.01	N.A.	18			
593B	<0.01	N.A.	19			
594B	<0.01	N.A.	20			
595B	<0.01	N.A.	8			
Method	F630	A102	H102			
Units	ppm	ppm	ppm			
Detection Limit	0.01	50	1			

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



397013

ANALYSIS DESCRIPTION

Job number : BU013329 Order number : 04/07/97

Scheme code : S033 - Drillcore/Rock; Dry, Jaw crush, Fine pulv, Ring-----
Sample preparation. Drillcore, Rock samples; Dry,
Jaw crush, Fine pulverise, Ringmill, < 3.5kg-----
Scheme code : F630 - 30g fire assay, Lead collection, AAS-----
Fire assay, Lead collection, Aqua Regia digest,
AAS, 30g sample.-----
Scheme code : G102 - Triple acid digest, Geochemical samples-----
Triple acid digest, (HCl, HNO₃, HClO₄), Geochemical
samples.-----
Scheme code : A102 - AAS analysis-----
AAS analysis of sample after G102 digest.-----
Scheme code : H102 - Hydride AAS analysis-----
Hydride AAS analysis after G102 digest.

Final

ANALYTICAL REPORT

397014

SAMPLE	Au	Au	Dp1	As
555B	<1	--		6
556B	<1	--		6
557B	<1	--		7
558B	<1	--		8
559B	1	--		7
560B	<1	--		6
561B	4	--		12
562B	3	--		28
563B	3	--		25
564B	1	--		8
565B	<1	--		5
566B	<1	--		25
567B	5	--		19
568B	<1	--		38
569B	3	--		62
570B	65		35	220

UNITS	ppb	ppb	ppm
DET. LIM	1	1	4
SCHEME	AA9	AA9	XRF1S

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3970154/2/98

THERESE TAYLOR

ROD HOLDEN

FAX 62338338

PA/FAX 63993555

DEAR THERESE

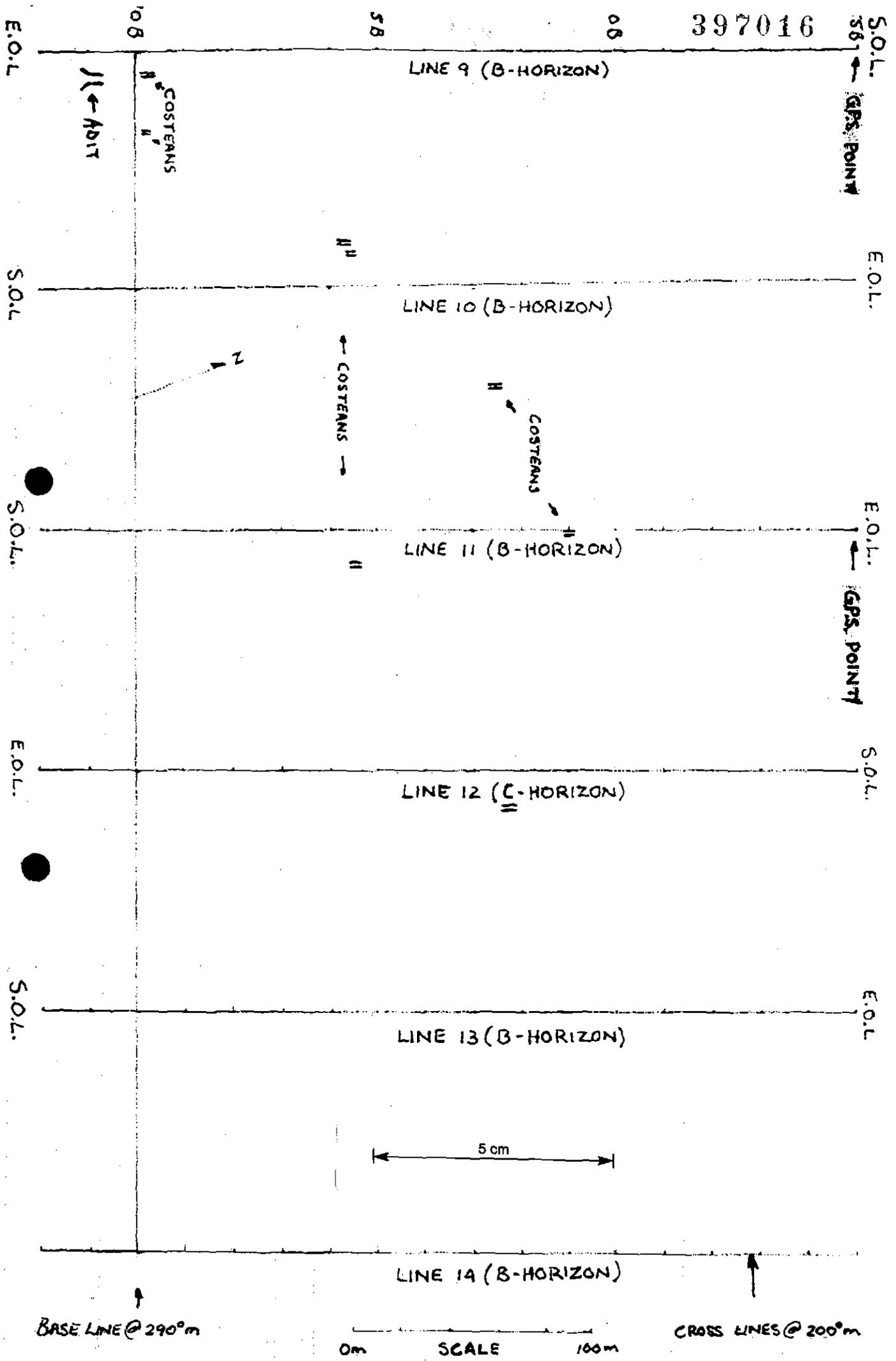
THE WHITINGS ADIT IS
MARKED AT THE END OF LINE 9

THE START OF LINE (SOL.) 9
IS AT 5428672 N, 536962 E TAKEN
WITH A G.P.S.

SEVEN COSTEANS ARE
MARKED NEAR LINES 9, 10, & 11.

CONTACT ME AGAIN IF
ANYMORE INFORMATION IS REQUIRED

REGARDS ROD



397016

58

00

LINE 9 (B-HORIZON)

LINE 10 (B-HORIZON)

LINE 11 (B-HORIZON)

LINE 12 (C-HORIZON)

LINE 13 (B-HORIZON)

LINE 14 (B-HORIZON)

E.O.L.

S.O.L.

S.O.L.

E.O.L.

S.O.L.

S.O.L. GPS POINT

E.O.L.

E.O.L. GPS POINT

S.O.L.

E.O.L.

BASE LINE @ 290°m

0m SCALE 100m

CROSS LINES @ 200°m

ADIT

COSTEANS

COSTEANS

COSTEANS

5 cm

Whiting Prospect, St Patricks R.

