

ALLEGIANCE MINING NL

EL 22 / 1997 - TRIAL HARBOUR

ANNUAL REPORT To July 2006

Prepared for:

**Allegiance Mining NL
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01 August 2006



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1. SUMMARY

Exploration Licence 22/1997 is regarded as prospective for Avebury style nickel sulfide deposits.

The altered ultramafic rocks which host the Avebury deposits are now known to extend north and west of Avebury into the licence area. Various geological, geochemical and geophysical surveys have been completed over prospective formations by Allegiance and others but drill testing has been limited to date.

During the twelve months ending July 2006, the following work was completed:

- DDHs B010 and B011 were completed at the Burbank prospect to further test the eastern flank of the altered ultramafic in that area.
- DDH A154 was completed west along strike of the Avebury Viking deposits.
- DDH P006 was drilled in altered ultramafics north of Avebury in the Pontiac area to test for extensions of the mineralised zone intersected in P004 to the south.

Summary results of these three drilling programs are:

Burbank:

DDH B010 failed to intersect ultramafics below previously-drilled B009.

DDH B011 was drilled between B010 and B009 and intersected weakly mineralised ultramafics.

The combined results of these two holes suggest either the ultramafic rolls over from steep north-east dip to steep south-west dip with depth, or there is a fault below B011 which off-set the ultramafic body to the west. The diminishing Ni grades with depth suggests the drill holes are too deep in the system.

West Viking:

DDH A154 was targetted at a combined IP-magnetic anomaly coincident with an ultramafic unit mapped on surface along strike of the Viking resource.

Shallow workings were recorded in the area. The drill hole intersected strongly greisenised granite at 495 m and it is possible that this granite truncated the steep south dipping host rock formation above the hole.

The granite may be a small cupola or dike on the flanks of the Heemskirk Granite.

Pontiac:

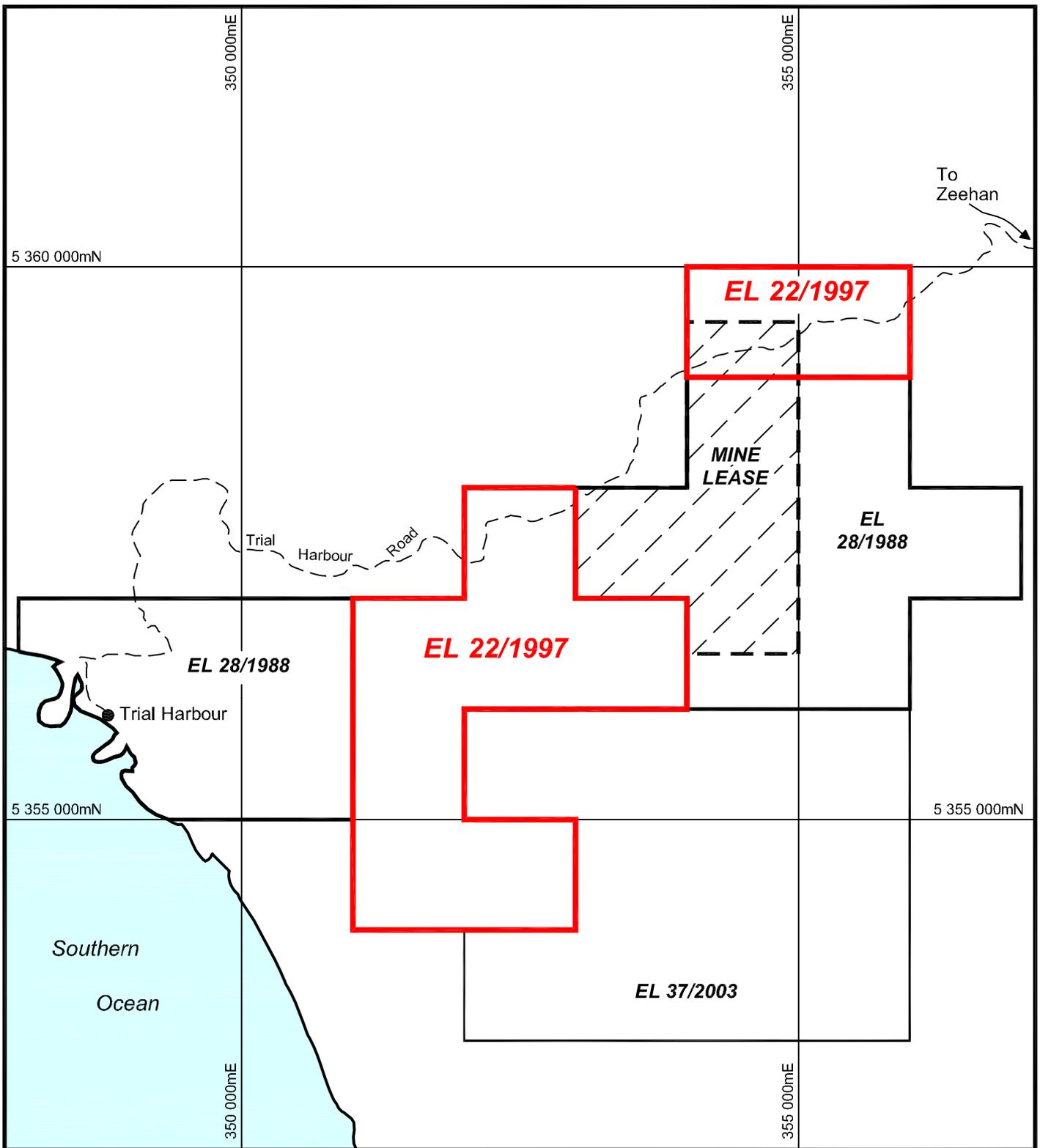
DDH P006 intersected serpentinitised ultramafics but failed to intersect significant mineralisation.

Expenditure on the above programs totalled \$350,000 and anticipated expenditure for the year ending August 2006 is \$390,000.

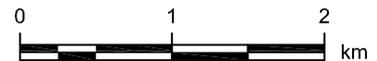
Exploration planned for 2006-07 will include:

- drilling the large magnetic-IP anomaly on the northern flank of the ultramafic midway between Avebury and Trial Harbour
- drilling of the ultramafic in the Pontiac area north of Avebury
- possible further drilling of the Avebury mine sequence rocks west of Viking

Budget estimate for this program is \$350,000.



SCALE : 1:50,000



 Allegiance Mining N.L.	
ZEEHAN NICKEL PROJECT LOCATION PLAN	Compiled : L.Newnham
	Date : August 2006
	Drawn : G.M.Bennett
	Revisions :
File : 22-97 Location 50	
 Newnham Exploration and Mining Services	Figure No. 1

2. EXPLORATION PHILOSOPHY and STRATEGY

Exploration Licence 22/1997 covers areas considered highly prospective for Avebury style nickel sulfide deposits. Such deposits are thought to have formed by the metasomatic effects of the Heemskirk Granite on nickel rich ultramafic and mafic formations. It follows that they lie within the alteration aureole of the Heemskirk Granite.

Alteration of the ultramafic and mafics has resulted in the development of extensive magnetite rich serpentinites and tremolitic-talc skarns. Nickel within the ultramafics has been remobilised and concentrated in a variety of formational and structural trap sites, predominantly as pentlandite and, to a lesser extent, as nickel arsenides.

Extensive drilling programs on the Avebury Mining Lease have identified several deposits, currently the subject of underground development aimed at producing 7,000 tpa of Ni in high grade concentrates from 900,000 tpa ore. Production is scheduled to commence in second half of 2007.

The identified deposits occur over an east-west strike length of 1,000 m and to a depth of 500 m. Drilling indicates the mafic-ultramafic host formations continue to the west of Avebury into EL 22/1997 and to the north of Avebury (Pontiac) into EL 22/1997.

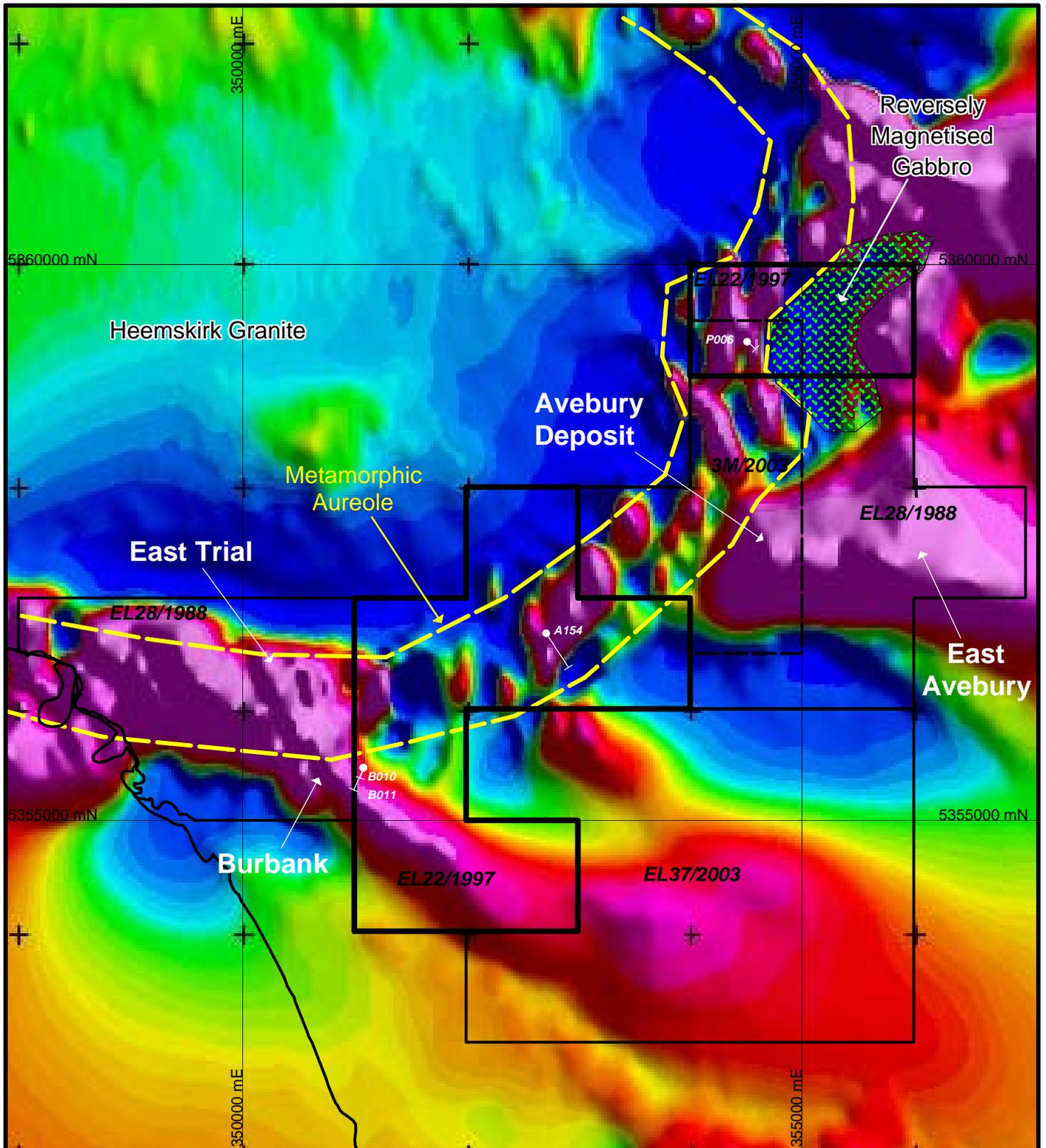
The extent of non-outcropping prospective ultramafics is far greater than previously recognised.

The relationship between the large Trial Harbour ultramafic within EL 28/1988 and the Avebury ultramafic is not apparent, and the area covered by EL 22/1997 is key to understanding this relationship.

Because magnetite is developed in abundance during the metasomatic alteration of the ultramafics, high resolution aeromagnetic data is considered the key exploration tool. The concealed nature of the ultramafics, combined with poor outcrop and difficult terrain, restricts the usefulness of geological mapping and geochemistry.

Allegiance regards both parts of EL 22/1997 as strategically important as discovery of additional resources in these areas would have a very beneficial impact on the Avebury operation.

This importance is reflected in the high level of exploration activity which is strongly focused on the core drill testing of aeromagnetic anomalies.



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**EL 22/1997
TOTAL MAGNETIC
INTENSITY**

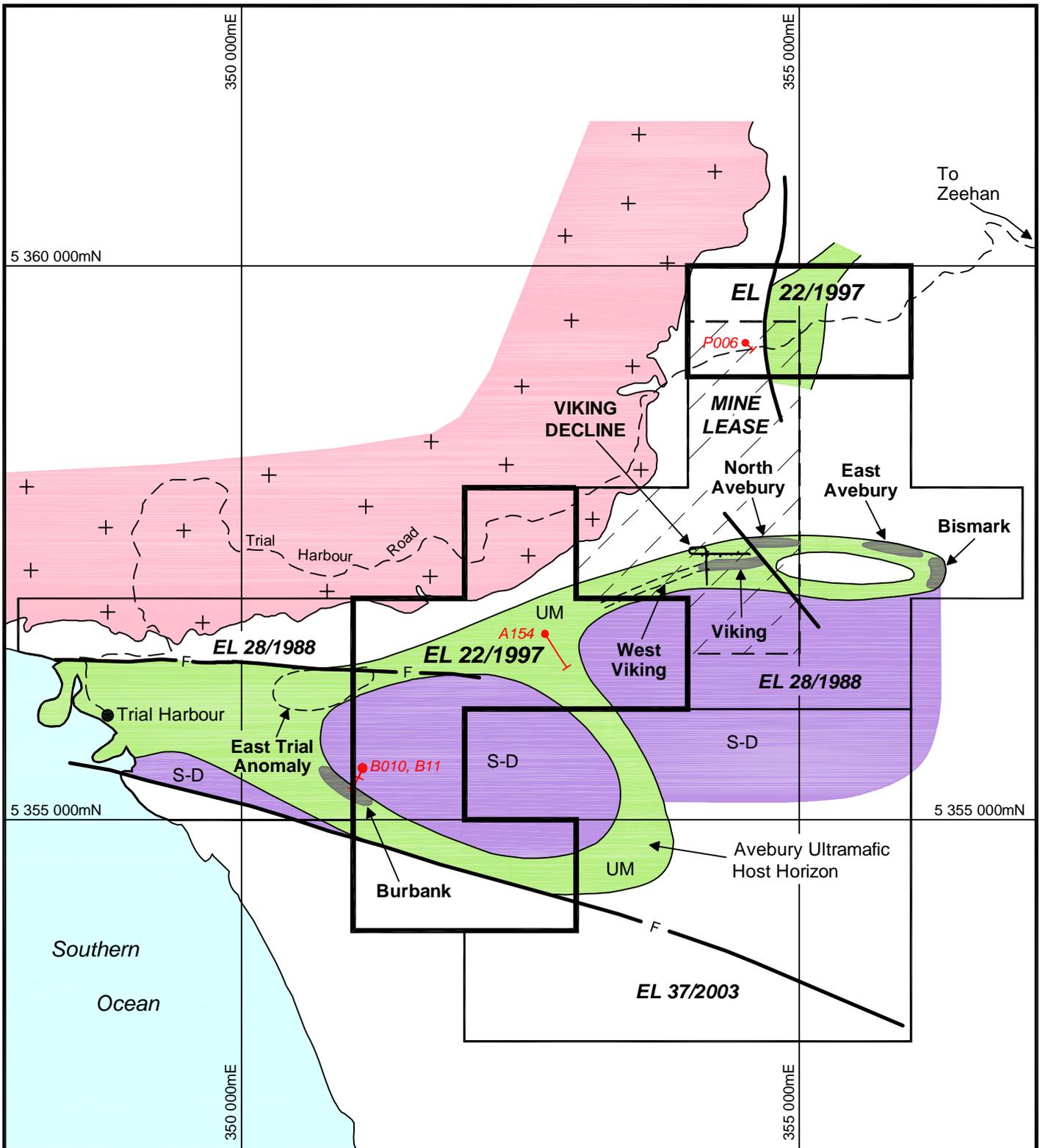
COMPILED : L. Newnham
DATE : 02/08/06
DRAWN : G. M. Bennett
REVISIONS :
FILE : 22-97 TMI Plan.WOR

SCALE : 1:50,000



Figure No.

2



LEGEND

- + Granite
- UM Ultramafics
- S-D Silurian-Devonian Sediments
- Mineralised Zones

SCALE : 1:50,000



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ZEEHAN NICKEL PROJECT

GEOLOGY PLAN

Compiled : L.Newnham

Date : August 2006

Drawn : G.M.Bennett

Revisions :

File : 22-97 Location 50

Newnham Exploration and Mining Services

Figure No. 3

3. EXPLORATION COMPLETED 2005-06

The following work was completed on EL 22/1997 during the 12-month period ending 31 July 2006:

- cored drill holes B010 and B011 totalling 1,045 m were drilled at Burbank to further test a large Ni-Zn geochemical anomaly on the north-east flank of outcropping altered ultramafics
- cored drill hole A154 of 550 m was completed at West Avebury to test a strong magnetic-IP anomaly coincident with old workings developed on altered ultramafics along strike from West Viking
- cored drill hole P006 of 148 m was completed on the northern border of EL 22/1997 and the Avebury Mining Lease to test altered ultramafics north along strike from drill hole P004.

3.1 Burbank DDHs B010 and B011:

The Burbank project area, which lies 3-4 km west of Avebury, is underlain by a south-east trending ridge of serpentinised ultramafics. Surface rock sampling and three previous programs of core drilling have identified an extensive high amplitude Ni-Zn anomaly developed along the north-east margin of this ultramafic.

Previous drill intersections of this zone were strongly leached, often with poor core recoveries and, whilst the Ni and Zn were strongly anomalous, no significant sulfides were recorded.

Petrological studies indicated the ultramafics had been subjected to intense hydrothermal alteration and several late stage mineralising events. The anomalous Ni and Zn was thought to be closely associated with iron oxides goethite and limonite.

The plan in 2005-06 was to drill two deeper holes beneath the previous drill holes to intersect the anomalous zone where leaching would be lessened.

B010 was designed to intersect the zone 300 m beneath B009, at a down-hole depth of 350-400 m. However, at a depth of 536 m it was still in altered Cambrian sediments and the hole was terminated. Bedding was moderately uniform at around 40° to core axis. Thus, if the ultramafic is bedding conformable (which has been indicated by previous drilling), the ultramafic had to be fault off-set to the west. An alternative interpretation is that the ultramafic is intrusive and rolls west below B009.

Diamond Drill Hole B011 was drilled between B009 and B010, designed to intersect the ultramafic 150 m below B009. It entered the ultramafic at 287 m and remained in it to end of the hole at 508 m. Projecting the western margin of the ultramafic below B009, it should have passed out of ultramafic between 450-475 m, again suggesting the ultramafic has rolled west and is an intrusive.

Only minor mineralisation in the form of weak Ni, As and Zn was intersected in the altered ultramafics in B011. Best intervals were:

B011:	333-338 m	5 m	0.55% Ni
	357-363 m	6 m	0.41% Ni
	366-370 m	4 m	0.44% Ni
	354-367 m	13 m	0.37% Zn, inc 1 m 2.4% Zn

The anomalous nickel zones were not accompanied by correspondingly elevated sulfur, suggesting the nickel was present in a non-sulfide form.

3.2 West Avebury DDH A154:

Drilling of the Viking resource on the Avebury Mining Lease is interpreted as suggesting the altered ultramafic intrusive which hosts Viking extends to the west and is closely associated with an agglomeratic formation. This host rock sequence swings in strike to the south-west, going west of Viking.

Aeromagnetic surveys have identified a series of modest anomalies coincident with the host formation, including one just south of Mayne's Workings. Previous grid based surveying in this area by EZ in the late 1960s identified an ultramafic outcrop carrying semi-massive sulfides which assayed approximately 0.9% Ni and 0.5% Cu. They also defined a very strong IP anomaly over this outcrop area.

Mapping by Allegiance supported the presence of altered ultramafics and also located several shallow old workings in the area.

Diamond Drill Hole A154 was designed to test this zone. Mapping suggested the target would dip steeply south, but for access reasons the hole was drilled to the SSW.

The target was anticipated between 450-500 m. The hole intersected an altered sequence of graywackes and conglomerates and at 495 m it passed into a porphyritic fine grained granite which was strongly greisenised and tourmaline rich.

At surface above the granite intersection, RGC had previously mapped an outcropping 'microgabbro'. It is possible this is either a misidentification of a dark gray greisenised fine grained granite or a drafting error (should be microgranite?). Field mapping will be required to resolve this point.

A154 is interpreted as intersecting a high level cupola of the deeper Heemskirk Granite which has truncated the Avebury host rock sequence in this area.

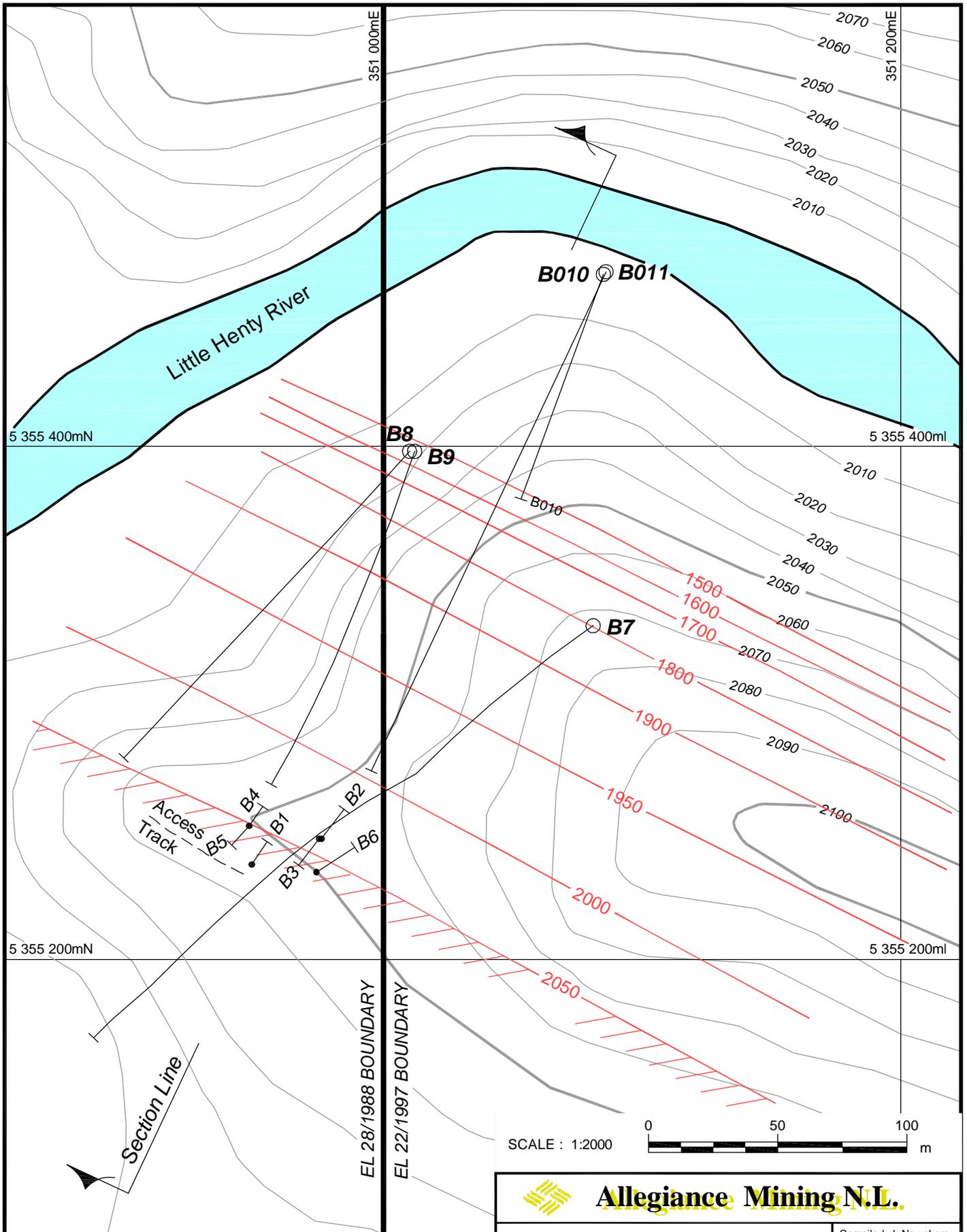
3.3 Pontiac DDH P006:

DDH P006 was drilled close to the boundary between the Avebury Mining Lease and EL 22/1997 to test moderate grade nickel sulfide mineralisation

intersected further south in P004 in an ultramafic body north of Avebury known as Pontiac.

The Pontiac ultramafic is strongly altered by the Heemskirk Granite and has been identified by drill holes P001, P004 and P006 and by surface mapping within EL 22/1997.

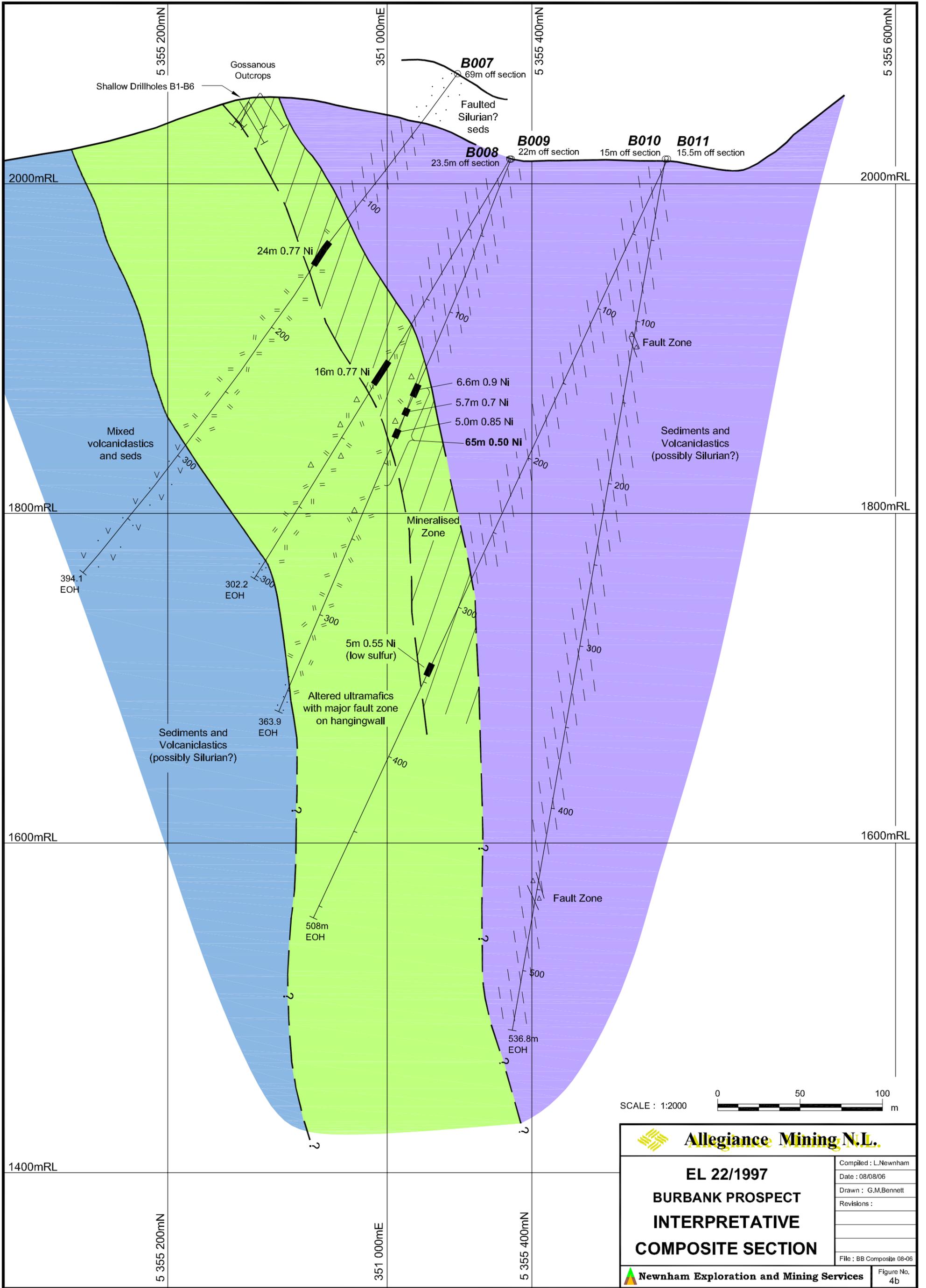
P006 intersected serpentinitised ultramafics as planned but nickel was present only at background levels, and only trace sulfides were observed as very small grains.



KEY	
	Contours of Mineralised Zone Hangingwall
	Outcrop of Mineralised Zone

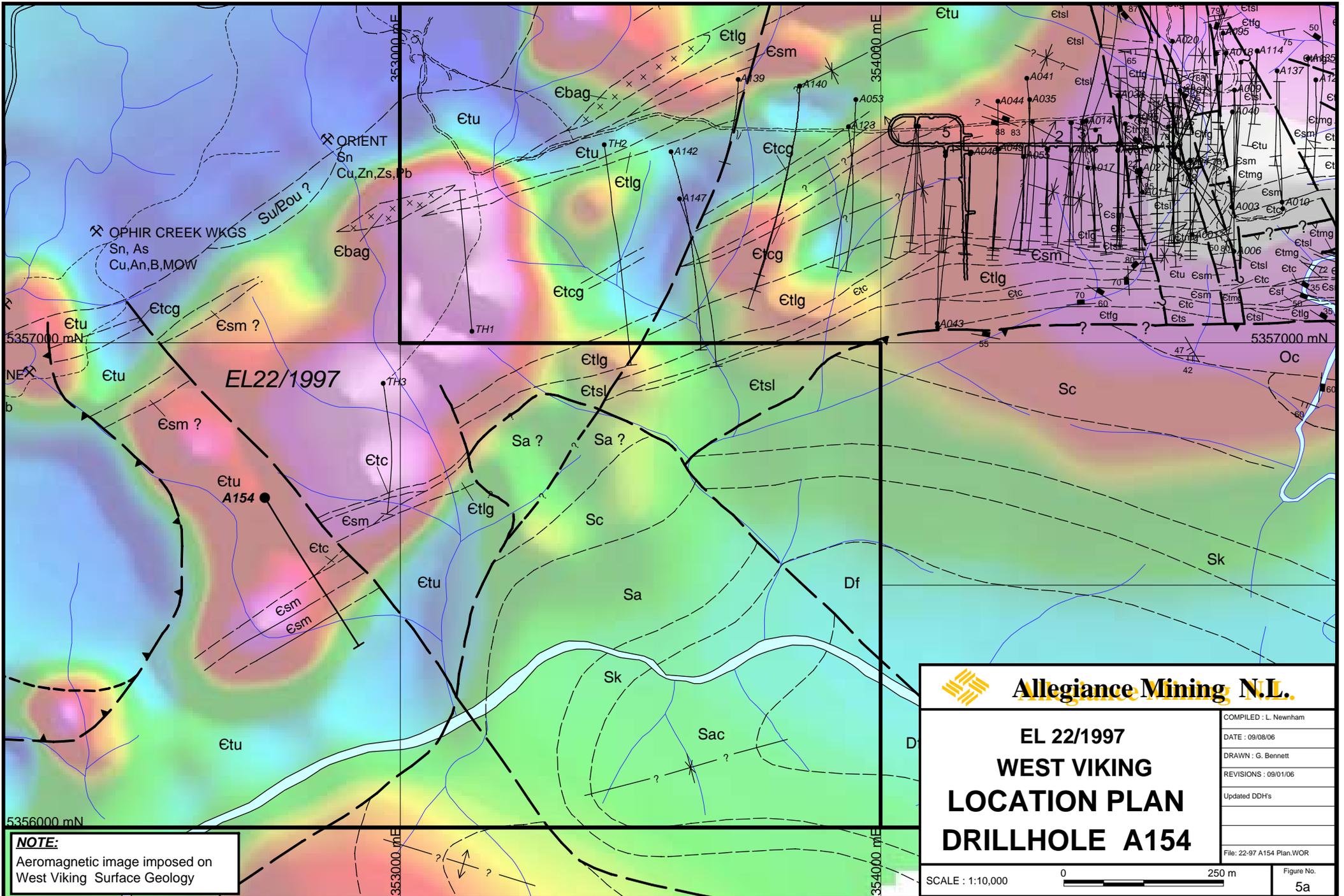
SCALE : 1:2000

	EL 22/1997 BURBANK PROSPECT DRILLHOLE LOCATION PLAN AND MINERALISED ZONE	
	Compiled : L.Newnham Date : 08/08/06 Drawn : G.M.Bennett Revisions : File : BB Drilling 2006	
	Newnham Exploration and Mining Services	Figure No. 4a



SCALE : 1:2000

EL 22/1997 BURBANK PROSPECT INTERPRETATIVE COMPOSITE SECTION	
Compiled : L.Newham Date : 08/08/06 Drawn : G.M.Bennett Revisions : File : BB Composite 08-06	
Figure No. 4b	



NOTE:
Aeromagnetic image imposed on
West Viking Surface Geology

Allegiance Mining N.L.

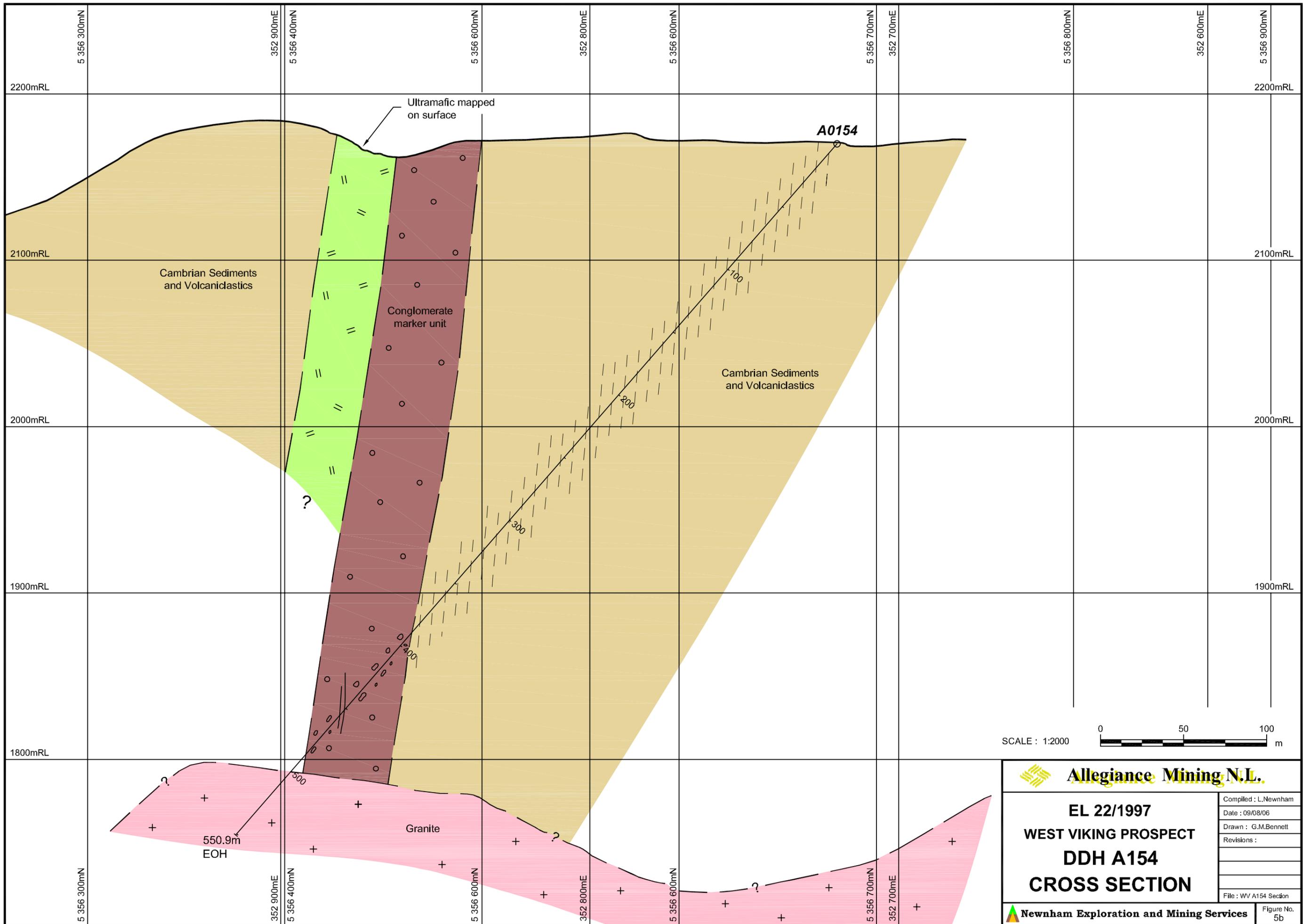
**EL 22/1997
WEST VIKING
LOCATION PLAN
DRILLHOLE A154**

COMPILED : L. Newnham	DATE : 09/08/06
DRAWN : G. Bennett	REVISIONS : 09/01/06
Updated DDH's	
File: 22-97 A154 Plan.WOR	

SCALE : 1:10,000

0 250 m

Figure No.
5a



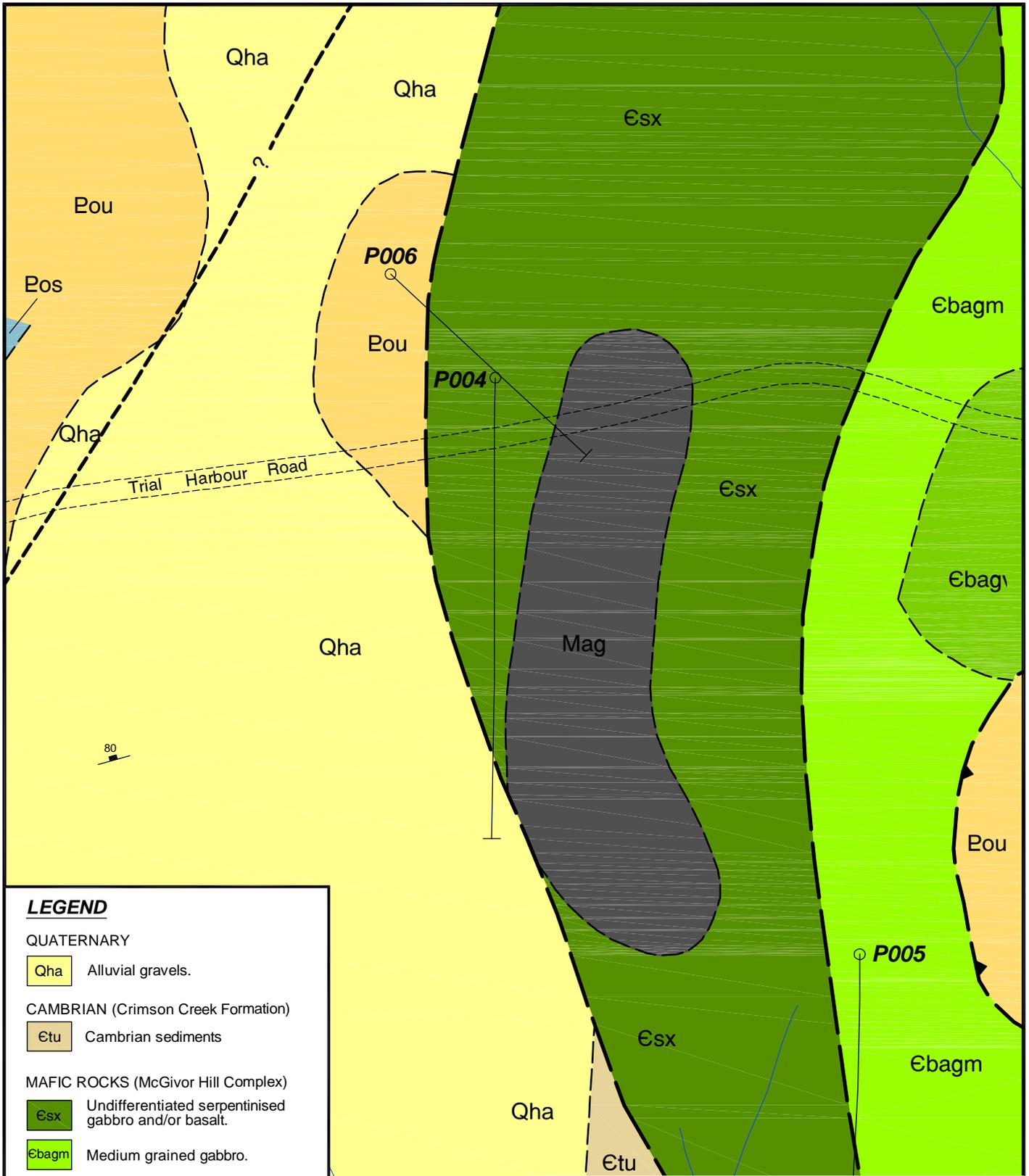
SCALE : 1:2000



Allegiance Mining N.L.

EL 22/1997
WEST VIKING PROSPECT
DDH A154
CROSS SECTION

Compiled : L.Newnham
Date : 09/08/06
Drawn : G.M.Bennett
Revisions :
File : WV A154 Section



LEGEND

QUATERNARY

Qha Alluvial gravels.

CAMBRIAN (Crimson Creek Formation)

Etu Cambrian sediments

MAFIC ROCKS (McGivror Hill Complex)

Esx Undifferentiated serpentinised gabbro and/or basalt.

Ebagm Medium grained gabbro.

Ebagv Coarse grained gabbro.

PRECAMBRIAN (Oonah Formation)

Eos Shale (black).

Eou Undifferentiated sediments.

Mag Gossanous ironstone

--- Fault, approximate.

— Fault, concealed

▲ Thrust fault.

85 Joint.

SCALE : 1:2000

0 50 100 m

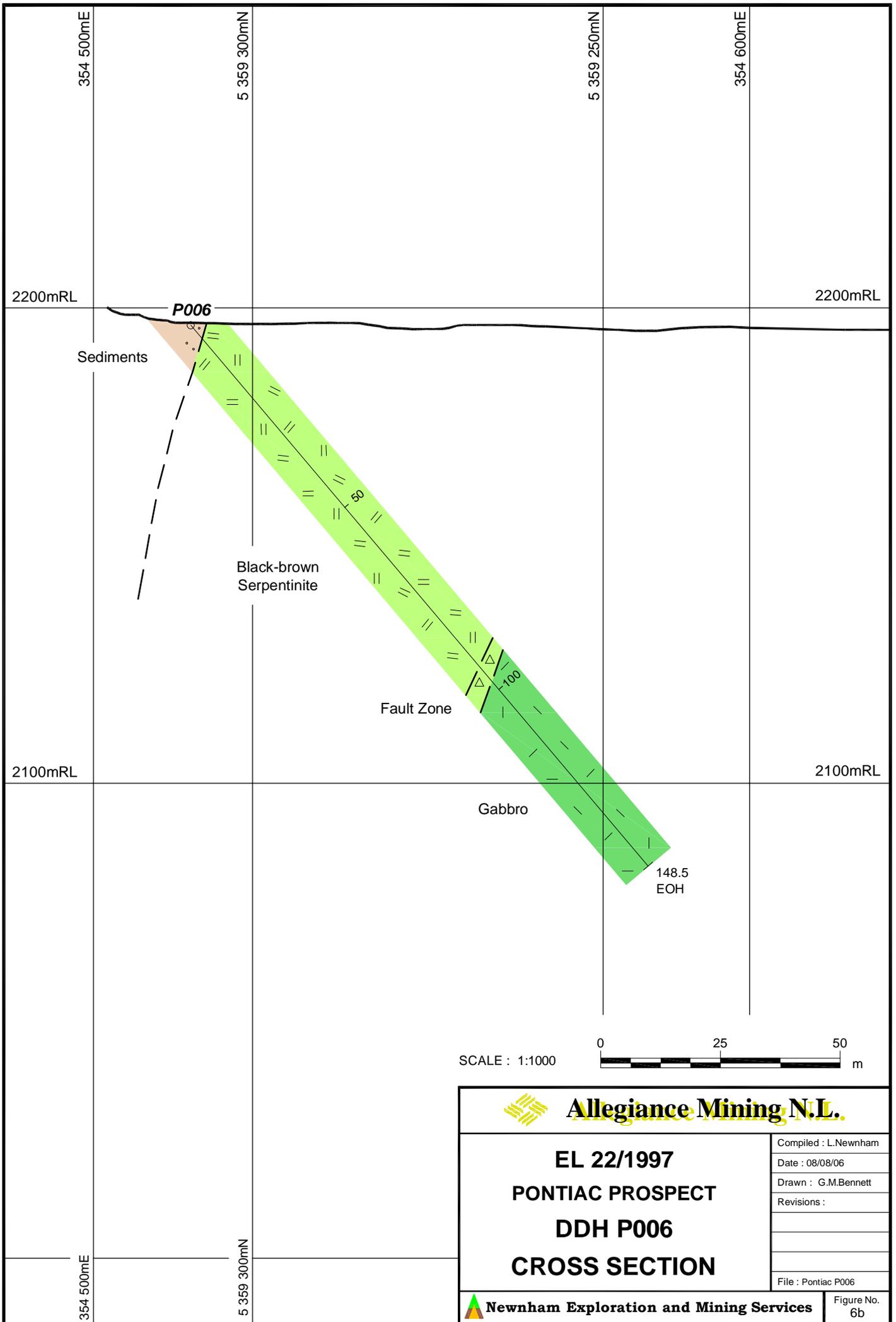
Allegiance Mining N.L.

**EL 22/1997
PONTIAC PROSPECT
DRILLHOLE
LOCATION PLAN**

Compiled : L.Newnham
Date : 08/08/06
Drawn : G.M.Bennett
Revisions :
File : Pontiac Drilling 06

Newnham Exploration and Mining Services

Figure No. 6a



4. EXPLORATION PLANNED 2006-07

Exploration planned for 2006-07 will include:

- drilling the large Trial Harbour aeromagnetic anomaly
- drilling the eastern flank of the Trial Harbour ultramafic
- drilling at Pontiac
- possible further drilling on West Avebury

4.1 Trial Harbour Aeromagnetic Anomaly:

A high amplitude aeromagnetic anomaly has been defined midway between Trial Harbour and Avebury, to the immediate south of the Heemskirk Granite outcrop. The area is mapped as underlain by Precambrian Oonah sediments, forming a thrust slice over the top of possible Cambrian formations.

Allegiance mapping has defined a major zone of deformed Cambrian rocks trending east-west through the area.

Modelling of the aeromagnetic data indicates the anomaly may be due to an ultramafic body striking east-west and dipping steeply south.

An initial three drill holes are planned to test this anomaly - one on EL 22/1997 and two on the contiguous EL 28/1988. Encouraging results will lead to immediate follow-up drilling.

4.2 East Flank of Trial Harbour Ultramafic:

The north and east flanks of the major Trial Harbour ultramafic intrusive remain undrilled to date. The northern flank which is marked by a very strong aeromagnetic signature lies within EL 28/1988. The eastern flank lies partly within EL 28/1988 and EL 22/1997, and trends south-east towards the Burbank prospect.

Spines of this ultramafic are interpreted as plunging east into EL 22/1997, concealed beneath Cambrian sediments. Several drill holes are planned along this eastern flank of the ultramafic in summer. Access will be via Trial Harbour, and may include some helicopter support.

4.3 Pontiac:

Drill holes P004 and P006, combined with the results of surface mapping and aeromagnetic surveys, suggest much of the northern section of EL 22/1997 is underlain by ultramafics pervasively altered by intrusion of the adjacent Heemskirk Granite. This area was mapped in detail, soil sampled and surveyed

with IP in the 1980s by RGC.

More drilling is planned in 2006-07 to follow up the results of both the recent Allegiance drilling and the RGC ground surveys.

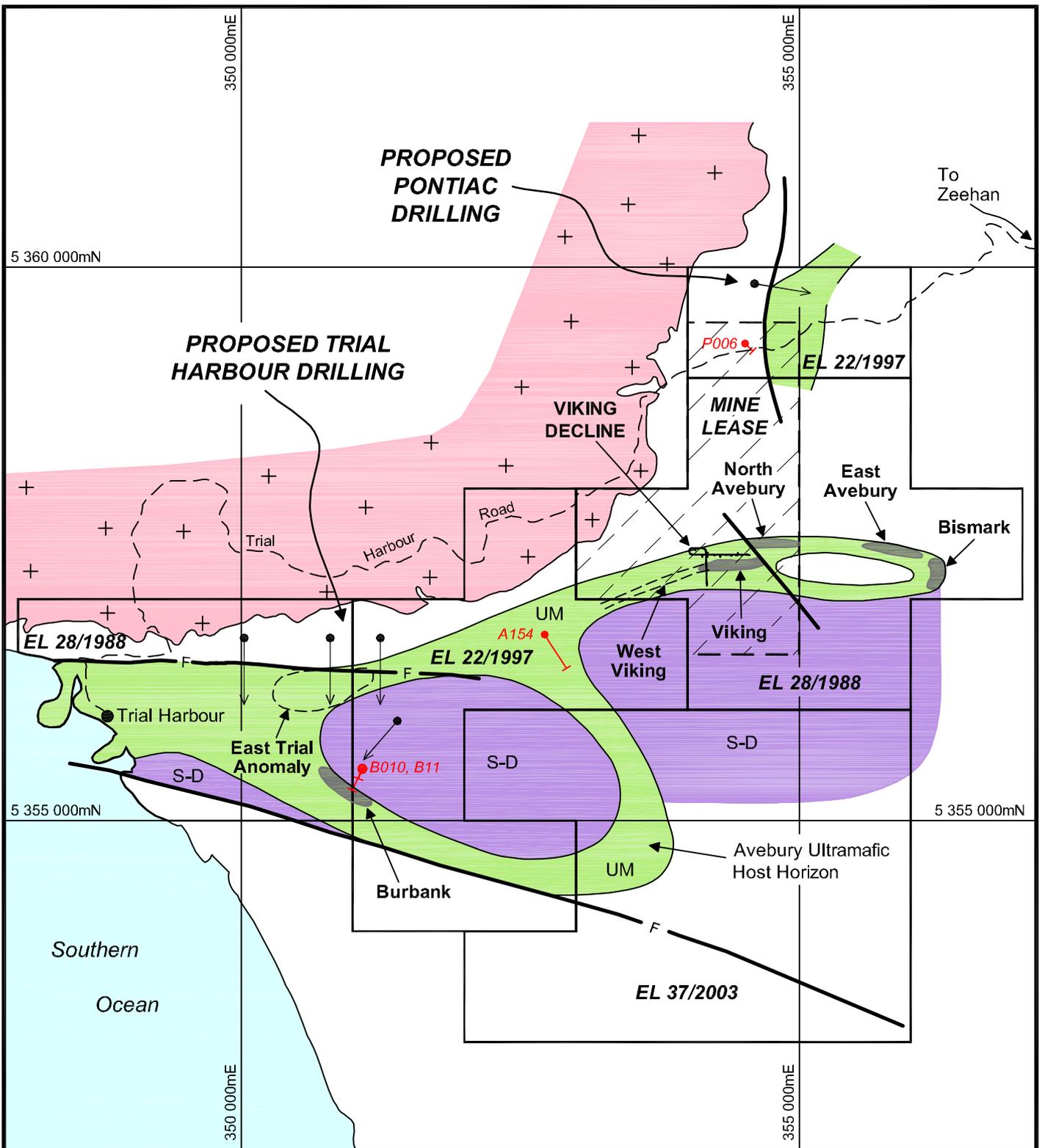
4.4 West Avebury:

Drilling recently completed at West Avebury by Allegiance confirms that the Viking host rock sequence continues into EL 22/1997 but that it is deep and possibly disrupted by the granite cupola intersected in A154.

If drilling of the Trial Harbour aeromagnetic anomaly (4.1 above) indicates easterly extensions of altered ultramafic, further drilling will be undertaken between the Trial Harbour anomaly and A154.

Schedule and Budget:

The above work program is scheduled to commence in August 2006 and is budgetted to cost \$350,000.



LEGEND

-  Granite
-  Ultramafics
-  Silurian-Devonian Sediments
-  Mineralised Zones

SCALE : 1:50,000



 **Allegiance Mining N.L.**

**EL 22/1997
PROPOSED DRILLING
2006 - 2007**

Compiled : L.Newnham
Date : August 2006
Drawn : G.M.Bennett
Revisions :
File : 22-97 PDDH 06-07

 **Newnham Exploration and Mining Services**

Figure No.
7

Appendix 1

Drill Log DDH B010

COMPANY: Allegiance Mining NL
PROJECT: Burbank
HOLE NUMBER: B10

Commenced	04 Jan 06
Completed	13 Jan 06
Logged by	L Newnham
Drilled by	Almac

Purpose of Hole

designed to test for nickel mineralisation on margin of ultramafic 300 metres below B9;

Collar details

Grid	AMG
Easting	351085
Northing	5,355,467
Elevation	2,015
Dip	-80
Bearing	200
Length	536.8

Comments on Completion

hole failed to intersect ultramafic, which must either role over to the west , or has been faulted to the west

Hole Size

To	Size
96.2	HQ
536.8	NQ

Major core loss zones

From	To	% recov.
115	116.8	35
457.5	459.1	60

Hole Condition on Completion

All steel casing removed from hole; wooden plugs and cement placed in hole to stop water flows;

Summary of Assay Results

Depth		Recovery	Description	Length		Assays		
From (m)	To (m)	%		m.	% Ni	%Cu	%S	
			no significant assays					

Down Hole Survey Data

Camera	Dip	Mag Brg	Mag Brg	Grid Brg
Depth		Actual	Adjusted	GDA
0	-80	187		200
50	-80	192		205
100	-80	190		203
150	-80	197		210
200	-80	197		210
250	-80	203		216
300	-80	204		217
350	-80	204		217
400	-80	209		222
450	-80	210		223
500	-79	214		227
535	-79	207		220
536.8	-79	207		220

Notes on Surveys

General Comments

Description		Core Recovery			Assays									
From	To	From	To	%	From	To	% Ni	%S	Cu	Pb	Zn	As		
462.6	536.8	ALTERED SEDIMENTS, sulfidic and quartz veined: 462.6-483.5m: brown and gray fine-medium grained altered sediments; BCA 40°; 2-4% sulfides (? pyrite) as late stage quartz-sulfide and sulfide veinlets and clots cross-cutting bedding; 483.5-486.5m: altered sediments cut by anastomosing quartz-sulfide veins and masses of quartz-sulfide; veins up to 200mm wide; sulfides abundant to semi-massive in places; some brecciation associated with veining; 486.5-488.5m: altered sulfidic sediments as for 462.6-483.5m; 488.5-490.5m: quartz-sulfide veins and irregular masses as for 483.5-486.5m; 490.5-497.0m: altered sediments cut by minor quartz-sulfide veins; 497.0-499.4m: significant quartz-sulfide veining and irregular masses in altered sediments; 499.4-536.8m: brown and gray medium grained altered sediments with pervasive fine grained pyrite and common thin late stage pyrite veins; BCA 40-45°; coarser volcanoclastic bands contain significant disseminated sulfide; ground conditions good; END OF HOLE	462.6	482.6	100	422.0	423.0	0.01	0.40	10	<10	20	100	
			482.6	484.0	90	423.0	424.0	0.01	0.20	10	10	20	100	
			484.0	525.6	100									
						433.0	434.0	0.01	0.40	10	<10	40	150	
						434.0	435.0	0.01	0.30	10	<10	20	100	
						452.0	453.0	<0.01	<0.1	<10	<10	20	100	
						453.0	454.0	<0.01	<0.1	<10	10	20	<50	
						454.0	455.0	<0.01	<0.01	<10	20	30	100	
						455.0	456.0	<0.01	<0.10	<10	10	20	100	
						456.0	457.5	<0.01	<0.1	10	10	40	100	
						461.0	462.0	0.01	0.10	20	<10	50	100	
						465.0	466.0	0.02	0.60	20	<10	40	200	
						466.0	467.0	0.01	0.40	10	10	40	300	
						467.0	468.0	0.01	1.10	20	<10	40	200	
						468.0	469.0	0.02	1.80	20	<10	30	200	
						483.5	484.5	0.01	1.60	40	<10	50	200	
						484.5	485.5	0.01	1.90	40	<10	50	150	
						485.5	486.5	0.01	1.30	30	<10	60	200	
						488.5	489.5	0.01	1.50	20	<10	30	200	
						489.5	490.5	0.01	1.60	30	<10	40	150	
			497.0	497.5	0.01	1.40	30	<10	80	150				
			498.5	499.4	0.01	1.20	20	<10	40	200				
			514.5	515.5	0.02	0.80	30	<10	30	50				
			521.5	522.5	0.01	1.20	20	<10	50	150				
			522.5	523.5	0.01	1.50	20	<10	40	100				
			523.5	524.5	0.01	1.70	20	<10	30	<50				
			524.5	525.5	0.01	1.90	20	<10	30	50				
			526.3	526.7	0.03	2.20	20	<10	30	100				

Appendix 2

Drill Log B011

COMPANY: Allegiance Mining NL
PROJECT: Burbank
HOLE NUMBER: B 011

Commenced	17 Jan 06
Completed	27 Jan 06
Logged by	L Newnham
Drilled by	Almac

Purpose of Hole

to test the Ni potential of the serpentinised ultramafic below DDH B 009 and resolve the problem of why B010 failed to intersect ultramafic;

Collar details

Grid	AMG
Easting	351086
Northing	5,355,468
Elevation	2,015
Dip	-65
Bearing	205
Length	508m

Comments on Completion

only minor zones of minor nickel, most of which appears to be present in a non-sulfide form; hole indicates there must be a major fault disruption or roll over in the ultramafic between B009 and B010 below;

Hole Size

To	Size
102.5	HQ
508	NQ

Major core loss zones

From	To	% recov.

Hole Condition on Completion

vanRuth and wooden plug with cement placed in hole; all steel removed;

Summary of Assay Results

Depth		Recovery	Description	Length		Assays		
From (m)	To (m)			m.	% Ni	% S	ppm Zn	ppm As

Down Hole Survey Data

Camera	Dip	Mag Brg	Mag Brg	Grid Brg
Depth		Actual	Adjusted	AMG
0	-65	192		205
50	-66	192		205
100	-66	194		207
150	-65	196		209
200	-65	195		208
250	-65	196		209
300	-65	198		211
350	-65	201		214
400	-66	212		225
450	-66	218		231
498	-66	220		233
508	-66	220		233

Notes on Surveys

General Comments

Description		Core Recovery			Assays										
From	To	From	To	%	From	To	% Ni	% S	Cu	Pb	Zn	As			
181.4	287.3				285.0	286.0	0.01	1.8	110	10	110	<50			
continued.....					286.0	287.3	0.01	1.3	100	10	70	<50			
287.3	354.0				287.3	288.0	0.08	<0.1	100	80	560	50			
		287.3	351.7	100	288.0	289.0	0.12	<0.1	20	30	90	550			
					289.0	290.0	0.41	0.3	50	<10	130	250			
					290.0	291.0	0.14	<0.1	10	<10	70	550			
					291.0	292.0	0.12	<0.1	<10	<10	50	750			
					292.0	293.0	0.29	<0.01	10	10	80	550			
					293.0	294.0	0.15	<0.01	20	<10	120	200			
					294.0	295.0	0.07	<0.1	10	<10	110	100			
					295.0	296.0	0.06	<0.1	20	<10	160	50			
					296.0	297.0	0.13	<0.1	20	<10	140	50			
					297.0	298.0	0.14	<0.1	10	<10	160	50			
					298.0	299.0	0.18	0.1	20	<10	130	<50			
					299.0	300.0	0.15	<0.1	10	<10	110	50			
					300.0	301.0	0.14	0.2	20	<10	110	<50			
					301.0	302.0	0.13	0.1	20	<10	120	50			
					302.0	303.0	0.05	<0.1	10	<10	80	50			
					303.0	304.0	0.09	0.2	50	<10	100	50			
					304.0	305.0	0.42	0.2	20	10	150	200			
					305.0	306.0	0.33	0.4	20	<10	120	100			
					306.0	307.0	0.22	<0.1	10	<10	130	50			
					307.0	308.0	0.24	<0.1	10	10	200	50			
					308.0	309.0	0.17	<0.1	10	50	290	50			
					309.0	310.0	0.09	<0.1	10	<10	160	<50			
					310.0	311.0	0.08	<0.1	10	<10	180	50			
					311.0	312.0	0.07	0.6	10	<10	300	<50			
					312.0	313.0	0.03	0.4	10	430	380	<50			
					313.0	314.0	0.03	1.1	10	50	570	<50			
					314.0	315.0	0.03	0.1	20	40	510	<50			
					315.0	316.0	0.03	0.6	10	40	300	<50			
					316.0	317.0	0.05	0.5	20	40	330	<50			
					317.0	318.0	0.05	2.2	20	110	400	<50			
					318.0	319.0	0.09	<0.1	10	270	440	<50			
					319.0	320.0	0.04	<0.1	10	10	240	<50			
					320.0	321.0	0.03	<0.1	10	<10	200	50			
					321.0	322.0	0.04	<0.1	10	<10	170	50			
					322.0	323.0	0.04	<0.1	10	<10	200	50			
		351.7	354.6	80	323.0	324.0	0.05	<0.1	10	<10	230	50			
					324.0	325.0	0.04	<0.1	10	10	510	<50			
					325.0	326.0	0.04	<0.1	10	<10	210	<50			
					326.0	327.0	0.06	<0.1	10	10	210	<50			
					327.0	328.0	0.06	<0.1	10	10	180	50			
					328.0	329.0	0.03	<0.1	20	20	410	<50			
					329.0	330.0	0.10	<0.1	10	10	340	<50			
					330.0	331.0	0.09	<0.1	10	20	180	<50			
354.0	362.0				354.6	355.0	50	331.0	332.0	0.09	<0.1	30	10	260	<50
					355.0	356.1	90	332.0	333.0	0.16	<0.1	20	20	200	50
					356.1	359.9	100	333.0	334.0	0.92	<0.1	40	<10	420	50
					359.9	363.0	75	334.0	335.0	0.52	<0.1	60	<10	220	50
								335.0	336.0	0.41	<0.01	50	<10	180	50
								336.0	337.0	0.44	0.1	50	<10	140	50
								337.0	338.0	0.49	<0.1	20	<10	300	100
								338.0	339.0	0.23	<0.1	20	30	920	50
362.0	508.0				363.0	508.0	100	339.0	340.0	0.33	<0.1	10	10	680	50
								340.0	341.0	0.29	<0.1	10	10	410	50
								341.0	342.0	0.28	<0.1	10	<10	380	50
								342.0	343.0	0.30	<0.1	10	<10	410	50
								343.0	344.0	0.28	<0.1	10	<10	400	50
								344.0	345.0	0.29	<0.1	10	<10	400	50
								345.0	346.0	0.23	<0.1	10	20	590	100

Description		Core Recovery			Assays							
From	To	From	To	%	From	To	% Ni	%S	Cu	Pb	Zn	As
362.0	508.0				346.0	347.0	0.31	<0.1	10	10	860	100
continued.....					347.0	348.0	0.28	<0.1	10	<10	490	50
					348.0	349.0	0.27	<0.1	10	<10	410	50
					349.0	350.0	0.28	<0.1	10	<10	600	100
					350.0	351.0	0.27	<0.1	10	<10	540	150
					351.0	352.0	0.23	<0.1	10	10	440	100
					352.0	353.0	0.18	<0.1	10	40	470	50
					353.0	354.0	0.10	<0.1	10	10	590	50
					354.0	355.0	0.26	<0.1	10	10	1070	50
					355.0	356.0	0.36	<0.1	30	10	2180	100
					356.0	357.0	0.32	<0.1	20	10	2010	50
					357.0	358.0	0.33	<0.1	30	20	2770	50
					358.0	359.0	0.56	<0.1	40	160	3980	50
					359.0	360.0	0.45	1.4	60	60	2120	50
					360.0	361.0	0.43	<0.1	50	190	1900	50
					361.0	362.0	0.38	0.8	30	60	860	200
					362.0	363.0	0.30	1.0	20	70	920	550
					363.0	364.0	0.26	<0.1	10	30	600	50
					364.0	365.0	0.19	1.0	90	50	24100	50
					365.0	366.0	0.21	0.1	70	50	3440	100
					366.0	367.0	0.52	0.3	110	70	2180	50
					367.0	368.0	0.24	<0.1	40	120	550	50
					368.0	369.0	0.50	0.2	10	<10	980	50
					369.0	370.0	0.50	0.1	<10	<10	680	50
					370.0	371.0	0.19	<0.1	10	<10	240	50
					371.0	372.0	0.16	<0.1	10	<10	430	50
					372.0	373.0	0.11	<0.1	20	<10	210	50
					373.0	374.0	0.34	0.1	90	50	710	50
					374.0	375.0	0.48	0.3	170	<10	620	<50
					375.0	376.0	0.22	<0.1	50	10	560	<50
					376.0	377.0	0.29	<0.1	20	<10	480	50
					377.0	378.0	0.24	<0.1	20	<10	410	50
					378.0	379.0	0.42	<0.1	10	20	220	100
					379.0	380.0	0.18	<0.1	10	50	420	50
					380.0	381.0	0.25	<0.1	10	30	940	50
					381.0	382.0	0.19	<0.1	100	120	4380	50
					382.0	383.0	0.60	1.0	4510	300	5620	50
					383.0	384.0	0.16	<0.1	150	10	310	50
					384.0	385.0	0.16	<0.1	40	<10	260	50
					385.0	386.0	0.17	<0.1	10	<10	180	<50
					386.0	387.0	0.15	<0.1	10	30	360	50
					387.0	388.0	0.16	<0.1	10	70	470	<50
					388.0	389.0	0.22	<0.1	10	10	370	50
					389.0	390.0	0.24	<0.1	10	10	180	50
					390.0	391.0	0.25	<0.1	10	10	140	50
					391.0	392.0	0.26	<0.1	10	10	380	50
					392.0	393.0	0.28	<0.1	10	20	240	50
					393.0	394.0	0.24	<0.1	10	10	350	150
					394.0	395.0	0.21	<0.1	10	<10	1290	150
					395.0	396.0	0.27	<0.1	10	<10	1560	100
					396.0	397.0	0.27	<0.1	<10	10	140	50
					397.0	398.0	0.27	<0.1	<10	10	100	50
					398.0	399.0	0.24	<0.1	<10	10	4130	50
					399.0	400.0	0.26	<0.1	10	10	3620	<50
					400.0	401.0	0.24	<0.1	10	<10	3060	50
					401.0	402.0	0.27	<0.1	<10	10	160	100
					402.0	403.0	0.23	<0.1	<10	20	110	400
					407.0	408.0	0.26	<0.1	<10	10	110	50
					408.0	409.0	0.27	<0.1	<10	10	130	50
					409.0	410.0	0.29	<0.1	<10	10	100	50

END OF HOLE

Description			Core Recovery			Assays							
From	To		From	To	%	From	To	% Ni	% S	Cu	Pb	Zn	As
						410.0	411.0	0.25	<0.1	10	<10	170	50
						411.0	412.0	0.24	<0.1	10	10	150	50
						412.0	413.0	0.27	<0.1	10	10	370	50
						413.0	414.0	0.25	<0.1	<10	<10	570	100
						414.0	415.0	0.17	<0.1	<10	<10	1400	250
						415.0	416.0	0.22	0.1	60	250	3150	50
						416.0	417.0	0.10	<0.1	10	10	910	50
						417.0	418.0	0.12	<0.1	20	10	210	50
						418.0	419.0	0.13	<0.1	20	10	220	50
						419.0	420.0	0.18	0.2	20	<10	200	<50
						420.0	421.0	0.21	1.5	50	<10	140	<50
						421.0	422.0	0.17	1.5	200	50	570	<50
						422.0	423.0	0.10	0.2	60	<10	70	<50
						423.0	424.0	0.17	0.3	50	10	40	50
						424.0	425.0	0.14	0.4	60	10	190	50
						425.0	426.0	0.12	<0.1	40	<10	310	100
						426.0	427.0	0.19	0.4	140	20	320	50
						427.0	428.0	0.14	0.3	90	10	300	<50
						428.0	429.0	0.11	<0.1	10	10	130	50
						429.0	430.0	0.14	<0.1	20	<10	200	50
						430.0	431.0	0.06	<0.1	<10	10	50	<50
						431.0	432.0	0.11	<0.1	10	<10	40	50
						432.0	433.0	0.16	0.2	20	10	230	250
						433.0	434.0	0.12	0.1	10	20	330	100
						434.0	435.0	0.19	<0.1	10	30	1420	100
						435.0	436.0	0.22	<0.1	<10	10	650	100
						436.0	437.0	0.20	<0.1	<10	30	80	200
						437.0	438.0	0.25	<0.1	<10	50	110	300
						438.0	439.0	0.22	<0.1	<10	30	240	50
						439.0	440.0	0.22	<0.1	<10	20	120	100
						440.0	441.0	0.20	<0.1	<10	10	170	100
						441.0	442.0	0.20	<0.1	<10	20	150	100
						442.0	443.0	0.20	<0.1	<10	10	170	50
						443.0	444.0	0.21	<0.1	<10	10	120	50
						444.0	445.0	0.23	<0.1	<10	10	120	50
						445.0	446.0	0.18	<0.1	<10	10	90	50
						446.0	447.0	0.17	<0.1	10	10	140	100
						447.0	448.0	0.23	<0.1	20	40	320	250
						448.0	449.0	0.23	<0.1	<10	30	80	200
						449.0	450.0	0.29	<0.1	10	40	120	400
						450.0	451.0	0.21	<0.1	10	30	210	350
						451.0	452.0	0.25	<0.1	20	40	510	600
						452.0	453.0	0.48	0.1	60	40	470	1150
						453.0	454.0	0.23	<0.1	<10	20	290	200
						454.0	455.0	0.36	<0.1	70	<10	630	50
						455.0	456.0	0.21	0.1	20	10	480	100
						456.0	457.0	0.22	<0.1	<10	20	220	250
						457.0	458.0	0.20	<0.1	<10	30	290	200
						458.0	459.0	0.48	0.1	140	10	620	50
						459.0	460.0	0.14	<0.1	20	30	290	50
						460.0	461.0	0.12	<0.1	10	10	240	50
						461.0	462.0	0.16	<0.1	10	20	550	50
						462.0	463.0	0.20	<0.1	20	20	420	150
						463.0	464.0	0.23	<0.1	60	10	360	300
						464.0	465.0	0.36	0.1	20	20	450	150
						465.0	466.0	0.24	0.1	50	10	600	<50
						466.0	467.0	0.33	0.3	70	20	430	<50
						467.0	468.0	0.25	<0.1	20	40	370	50
						468.0	469.0	0.25	<0.1	10	50	540	150
						469.0	470.0	0.24	0.1	<10	30	300	150
						470.0	471.0	0.23	<0.1	<10	20	250	100

Appendix 3

Drill Log DDH A154

Allegiance Metals Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description
West_Ave	A154	0	35.4	Ccc	GWAC	AcPh	A3	0.05	Gr			Light grey greywacke sandstone with abundant actinolite and minor phlogopite alteration. Core extremely broken, the first 25 metres no core recovery. Core slightly weathered. No visible sulphides present.
West_Ave	A154	35.4	52.5	Ccc	GWAC	AcPh	A3	0.05	Sp			Light grey to light green greywacke sandstone with abundant actinolite and minor phlogopite. Minor sulphides present, Po? With actinolite veinlets/selvedges.
West_Ave	A154	52.5	53.9		FALT	Py	A3	0.05	Sp			Small fault zone, extremely broken ground, minor pug present. Minor sulphides.
West_Ave	A154	53.9	79.8	Ccc	GWAC	AcPh	A3	0.05	Sp	Bd	32	Light grey to light green greywacke sandstone with abundant actinolite and minor phlogopite. Minor sulphides present, Po? With actinolite veinlets/selvedges.
West_Ave	A154	79.8	83.6	Ccc	SHAL	Py	B3	0.05	Gr			Black shale interbedded with a fine grained brown silt. Minor sulphides present and actinolite selvedges.
West_Ave	A154	83.6	89.9	Ccc	GWAC	AcPh	A3	0.05	Sp	Bd	35	Light grey to light green graded greywacke with abundant actinolite and minor phlogopite. Minor sulphides present, Po? With actinolite veinlets/selvedges.
West_Ave	A154	89.9	93.3	Ccc	SHAL	Py	B3	0.05	Gr	Bd	25	Black shale interbedded with minor fine grained brown siltstone. Abundant Py and Po sulphides. Minor actinolite selvedges and phlogopite alteration.
West_Ave	A154	93.3	123.4	Ccc	GWAC	AcPh	A3	0.05	Sp	Bd	29	Light grey to light green graded greywacke with abundant actinolite and minor phlogopite. Minor sulphides present, Po? With actinolite veinlets/selvedges.
West_Ave	A154	123.4	128.2	Ccc	SHAL	Py	B3	0.05	Gr			Black shale interbedded with minor fine grained brown siltstone. Abundant Py and Po sulphides. Minor actinolite selvedges and phlogopite alteration.
West_Ave	A154	128.2	133.3	Ccc	GWAC	AcPh	A3	0.05	Sp	Bd	40	Fine grained light grey to light green graded greywacke with abundant actinolite and minor phlogopite. Minor sulphides present, Po? With actinolite veinlets/selvedges.
West_Ave	A154	133.3	134.1	Ccc	SHAL	Py	A3	0.05	Gr			Black fine grained shale interbedded with minor fine grained silt. No sulphides present Minor phlogopite and actinolite selvedges.
West_Ave	A154	134.1	170.7	Ccc	GWAC	AcPh	A3	0.05	Sp			Fine to medium grained light grey to light green greywacke with abundant actinolite selvedges/veins and minor phlogopite. Minor Po sulphides present. Greywacke beds tend to be graded, massive and disrupted.
West_Ave	A154	170.7	213.3	Ccc	GWAC	AcPh	B3	0.05	Sp	Bd	32	Fine to medium grained light green to dark brown greywacke. Abundant dark brown phlogopite alteration with actinolite selvedges/veins. Minor Po sulphides. Greywacke beds tend to be graded, massive and disrupted.

Allegiance Metals Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
West_Ave	A154	213.3	220.6	Ccc	GWAC	AcPh	B3	0.25	Sp	Bd	48	Fine to medium grained light green to dark brown disrupted greywacke beds. Abundant dark brown phlogopite alteration with actinolite selvages/veins. Minor Po and Py present. Predominately disrupted beds. Change in bedding?
West_Ave	A154	220.6	321.7	Ccc	GWAC	AcPh	B3	0.05	Sp	Bd	24	Fine to medium grained light green to dark brown greywacke. Abundant dark brown phlogopite alteration with actinolite selvages/veins. Minor Po sulphides. Greywacke beds tend to be mostly graded and massive with minor disrupted beds.
West_Ave	A154	321.7	339.9	Ccc	GWAC	PhchAc	B3	0.05	Sp			Fine to medium grained light green to dark brown greywacke. Abundant phlogopite and spotted chlorite alteration with actinolite selvages/veins. Greywacke beds tend to be disrupted. Abundant chlorite veining, minor sulphides.
West_Ave	A154	332.9	347	Ccc	GWAC	AcPh	B3	0.05	Gr	Bd	40	Fine to medium grained light green to dark brown greywacke. Abundant dark brown phlogopite alteration with actinolite selvages/veins. Minor Po and Py sulphides. Greywacke beds tend to be mostly disrupted beds, minor grading.
West_Ave	A154	347	394.3	Ccc	GWAC	PhAc	B3	0.05	Sp	Bd	40	Fine to medium grained light green to dark brown greywacke. Abundant dark brown phlogopite alteration with actinolite selvages/veins. Minor Po and Py sulphides. Greywacke beds tend to be mostly massive with minor grading. Minor silica alteration towards bottom contact.
West_Ave	A154	394.3	396.1	Cba	CONG	SiPhAc	A3	0.05	Sp			Medium grey breccia\conglomerate. Abundant Angular quartz and greywacke sandstone clasts. Secondary healed phlogopite, actinolite and tourmaline alteration. Minor disseminated py and po sulphides.
West_Ave	A154	396.1	399.2	Ccc	GWAC	PhAc	B3	0.05	Sp	Bd	43	Fine to medium grained light green to dark brown greywacke. Abundant dark brown phlogopite alteration with actinolite selvages/veins. Minor Po and Py sulphides. Greywacke beds tend to be mostly massive with minor grading. Minor silica alteration towards bottom contact.
West_Ave	A154	399.2	400.9	Cba	CONG	PhAcTr	A3	0.05	Sp			Medium grey breccia\conglomerate. Abundant Angular quartz and greywacke sandstone clasts. Secondary healed phlogopite, actinolite and tremolite alteration within matrix. Abundant disseminated Py and Po, minor Cpy. Minor Cb and Qtz veining.

Allegiance Metals Drill Log

Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
West_Ave	A154	400.9	404.1	Ccc	GWAC	AcSiPh	B3	0.05	Sp	Bd	43	Fine to medium grained light green greywacke. Abundant phlogopite flooding and actinolite selvages/vein alteration. Minor silica alteration. Minor Po and Py sulphides. Greywacke beds tend to be mostly disrupted beds. Minor Cb veining. Heavily altered.
West_Ave	A154	404.1	450.5	Cba	CONG	PhAcSi	B2	0.05	Sp			Fine to medium grained light grey to brown conglomerate. 50% qtz, 10% greywacke clasts and 35% matrix consisting of phlogopite/actinolite/tremolite/silica alteration. Clast size is generally less than 5mm. Minor Py veinlets present. Minor disseminated tourmaline and veinlets.
West_Ave	A154	450.5	451.5		FALT	Qz	W2	0.05	Sp			Solid quartz vein, minor py sulphides. Minor tourmaline veining. Minor tremolite/actinolite selvages/veinlets
West_Ave	A154	451.5	494	Cba	CONG	PhAcSi	A2	0.05	Sp			Fine to medium grained light grey to brown conglomerate. 50% qtz, 10% greywacke clasts and 35% matrix consisting of phlogopite/actinolite/tremolite/silica alteration. Clast size is generally less than 5mm. Minor Py veinlets present. Minor disseminated tourmaline and veinlets. Conglomeritic beds tend to be massive, little grading.
West_Ave	A154	494	494.6	Dg	GRAN	Si	C2	0.05	Gr			Pepperitic granitic breccia. Clasts of conglomerate within a fine grained granitic matrix.
West_Ave	A154	494.6	495.2	Cba	CONG	AcSi	A2	0.05	Sp			Fine to medium grained dark grey conglomerate. 50% qtz, 10% greywacke clasts and 35% matrix consisting of phlogopite/actinolite/tremolite/silica alteration. Clast size is generally less than 5mm. Minor tourmaline. Conglomeritic beds tend to be massive, little grading. Part of pepperitic contact.
West_Ave	A154	495.2	527	Dg	GRAN	SiEp	C2	0.05	Gr			Cream to light green granite, large feldspar crystals and abundant silica alteration. Large biotite crystals up to 2cm long. Minor K-feldspar at contact of granite with Conglomeritic beds. Epidote alteration.
West_Ave	A154	527	539.8	Dg	GRAN	SiToEp	C2	0.05	Gr			Cream to light grey granite. Abundant spotted/aggregates tourmaline alteration. Upto 2cm long biotite grains within silica altered area. Minor Py present. Silica alteration.
West_Ave	A154	539.8	540		FALT	Se	C2	0.05	Sp			Small puggy leached fault zone with sericite alteration. Broken ground.

Allegiance Metals Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
West_Ave	A154	540	547.1	Dg	GRAN	SiToEp	C2	0.05	Gr			Cream to light grey granite. Abundant spotted/aggregates tourmaline alteration. Upto 2cm long biotite grains within silica altered area. Minor Py present. Silica alteration.
West_Ave	A154	547.1	547.2		FALT	Se	C2	0.05	Sp			Small puggy leached fault zone with sericite alteration. Broken ground.
West_Ave	A154	547.2	550.9	Dg	GRAN	SiToEp	C2	0.05	Gr			Cream to light grey granite. Abundant spotted/aggregates tourmaline alteration. Upto 2cm long biotite grains within silica altered area. Minor Py present. Silica alteration. EOH 550.9m.

B breccia

Other Rock codes

CHRT Chert
CARB Carbonate
GWAC Greywacke
SSLT Siltstone
SAND Sandstone
SERP Serpentinite
CONG Conglomerate
GRAN Granite
GRAD Granodiorite
SKRN Skarn
LOSS No Core recovery
CLAY Clay
MMAG Massive magnetite
SKSP Serpentinite Skarn
SHAL Shale
HEVC Haematitic Volcaniclastic
PHLG Phlogopite schist
GABB Gabbro

Colour

Colours can be classified by shade using a 1 to 5 scale. ie. B1 = pale brown, B5=dark Brown

N Black
B Brown
P Purple
G Green
C Cream
W White
Y Yellow
T Tan
R Red
O Orange
A Grey

Alteration

Ac Actinolite
Ch Chlorite
Se Sericite
Cb Carbonate
Di Diopside
Ax Axinite
Sc Serpentine-chrysotilic
Sp Serpentine
So Schorl
Ph Phlogopite
Sx Sulphidic
Py Pyritic
Po Pyrrhotitic
Ht Haematitic
Mg Magnetite
To Tourmaline
Si Silica

Qz	Quartz
Pe	Pentlandite
Nc	Niobite
Mc	Mica
Ge	Geothite
Lm	Limmonite
Ep	Epidote

Geotech

Intact Rock Strength	Code	UCS
Extremely weak	EW	0.5 Mpa
Very Weak	VW	
Weak	W	2.5 Mpa
Moderately strong	MS	37.5 Mpa
Strong	S	75 Mpa
Very strong	VS	100 Mpa
Extremely strong	ES	150 Mpa

Roughness type	Code	Jr
Stepped Smooth	SS	3.5
Discontinuous	DC	4
Planar Smooth	PS	1
Stepped Rough	SR	3
Planar rough	PR	1.5
Undulating Smooth	US	2
Undulating Rough	UR	3

No of Defect Sets	Code	Jn
Default	0	1
One Set	1	2
One Set + random	1.5	3
Two Sets	2	4
Two Sets + random	2.5	6
Three Sets	3	9
Three Sets + random	3.5	12
Four Sets	4	15

Joint Alteration	Code	Ja
Default	0	1
Carb	CB	2
Serpentine	SP	5
Clay	CY	5
Quartz	QZ	1
Sericite	SE	3
Chlorite	CH	3
Clean	X	1
Iron	FE	1.5
Haematite	H	2
Mica	MC	3

Weathering	Code
Non-Weathered	N
Moderately weathered	M
Weathered	W

Appendix 4

Drill Log DDH P006

Allegiance Metals Drill Log													
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L.Cont.	Struct	BCA	Description	
Pontiac	P006	0	3.2		LOSS							No core recovery.	
Pontiac	P006	3.2	5	Cba	VBLM	DiMu	A2	0.00	Bk			Pale grey, intensely altered basaltic lithic sandstone. Intense pervasive actinolite-diopside alteration. Late coarse veins of muscovite and tourmaline. Broken contact with underlying serpentinite.	
Pontiac	P006	5	21	Csu	SERP	SpMt	N	0.00	Gr			Massive, black serpentinite. Minor (1-2%) coarse disseminated magnetite. Minor patchy tremolite spotting. Late magnesite veins, occasionally with chrysotile.	
Pontiac	P006	21	36.8	Csu	SERP	SpTr	N	0.00	Gr			Massive, black serpentinite. Minor (1-2%) coarse disseminated magnetite. 1-5% tremolite spotting as 5mm cubic disseminated spots. Late magnesite veining on low angle joints.	
Pontiac	P006	36.8	42.6	Csu	SERP	SpMt	N	0.00	Gr			Massive, black serpentinite. Minor (1-2%) coarse disseminated magnetite. Late magnesite veining in low angle faults. Minor chrysotile.	
Pontiac	P006	42.6	42.7		FALT	SpCy	G	0.00	Ft	Ft	50	Late brittle fault. Chrysotile veining. Brecciated texture.	
Pontiac	P006	42.7	52.7	Csu	SERP	SpMt	N	0.00	Gr			Massive, black serpentinite. Minor (1-2%) coarse disseminated magnetite. Late magnesite veining in low angle faults. Minor chrysotile.	
Pontiac	P006	52.7	55.8	Csu	SKSP	TrSp	A3	0.20	Sp			Pale grey, mottled and veined intensely metasomatised ultramafic skarn. Mottled crystalline tremolite alteration zones with lesser interstitial black serpentinite. Minor Po-Pe? Veins. Minor late brittle puggy faults.	
Pontiac	P006	55.8	61.7	Csu	SERP	SpMt	N	0.00	Gr			Massive, black serpentinite. Minor (1-2%) coarse disseminated magnetite. Late magnesite veining in joints. Minor chrysotile.	
Pontiac	P006	61.7	61.9		FALT	SpCy	A5	0.00	Ft	Ft	55	Late brittle puggy fault. Broken core.	
Pontiac	P006	61.9	84.9	Csu	SERP	SpMt	N	0.00	Gr			Massive, black/dark green serpentinite. Minor (1-2%) coarse disseminated magnetite. Late magnesite veining in joints. Minor chrysotile.	
Pontiac	P006	84.9	85		FALT	SpCy	G5	0.00	Ft	Ft	85	Late brittle puggy fault. Broken core.	
Pontiac	P006	85	91.2	Csu	SERP	SpMt	N	0.00	Gr			Massive, black/dark green serpentinite. Minor (1-2%) coarse disseminated magnetite. Late magnesite veining in joints. Minor chrysotile. Minor puggy faults and crush zones.	
Pontiac	P006	91.2	91.4	Csu	SKSP	TrSp	A2	0.00	Ft			Pale grey, mottled and veined intensely metasomatised ultramafic skarn. Mottled crystalline tremolite alteration zones with lesser interstitial black serpentinite.	

Allegiance Metals Drill Log												
Project	BHID	From	To	Stratigraphy	Rock Type	Alteration	Colour	Visual S%	L. Cont.	Struct	BCA	Description
Pontiac	P006	91.4	91.8		FALT	SpCy	G5	0.00	Ft	Ft	85	Minor puggy Faults
Pontiac	P006	91.8	94.8	Csu	SKSP	TrSp	A2	0.00	Ft			Late brittle puggy fault. Broken core.
Pontiac	P006	94.8	95		FALT	CySp	A2	0.00	Ft	Ft	80	Pale grey, mottled and veined intensely metasomatised ultramafic skarn. Mottled crystalline tremolite alteration zones with lesser interstitial black serpentinite.
Pontiac	P006	95	96.3	Cbg	GABB	AcTr	G2	0.02				Core loss, broken faulted contact.
Pontiac	P006	96.3	98		FALT	Tr	A5	0.05	Ft			Very fine grained, pale green/grey altered gabbro. Late magnesite and talc on joint surfaces. Broken with poor core recoveries.
Pontiac	P006	98	148.5	Cbg	GABB	TrAc	AG3	0.00				Faulted and veined gabbro/serpentinite faulted contact. Very poor core recoveries. Massive, fine to medium grained feldspar-pyroxene gabbro. Intense matasomatic alteration. Tremolite altered pyroxene phenocrysts. Sparse late tourmaline veining and rare quartz veins.

Stratigraphy

Q	Quaternary alluvial, colluvial and dune deposits
Df	Devonian fine grained qtz sst and sslt (Florence Quartzite). Fossiliferous
Dsk	Devonian Skarn
Dg	Devonian Granite
Sc	Silurian sandstone and siltstone
Sc	Silurian pebble-cobble conglomerate.
Su	Silurian sediments
Og	Limestone (Gordon Limestone)
Oc	Pebble conglomerate, PC derivation (Owen Gp).
Os	Siliceous sst and conglomerate.
Ccc	Contiguous Creek Fm
Ccch	Contiguous Creek Fm chert
Ccarb	Contiguous Creek Fm carbonate and calcareous sediments.
Cba	Cambrian Basalt (Mclvor Hill Complex)
Cbg	Cambrian gabbro
Cba	Cambrian basaltic volcanics
Csu	Cambrian ultramafic
Cud	Cambrian ultramafic dunite
Cup	Cambrian ultramafic orthopyroxenite

Rock Types

Volcanic Rocktypes have a four letter code. The first letter is the style (intrusive, volcanoclastic etc)
The second is the chemical composition (basaltic, rhyolitic), the third is the major component (qtz phyric, lithic rich etc)
the last is the texture (fine grained, breccia etc). For example IUVC is an intrusive, ultramafic, pyroxene phyric and coarse grained.

Style codes

I	Intrusive
L	Lava
V	Volcanoclastic
E	Epiclastic

Composition codes

U	Ultramafic
B	Basaltic (mafic)
A	Andesitic
D	Dacitic
R	Rhyolitic

Composition Codes

Q	Qtz phyric (qtz xtal rich)
F	feldspar phyric
H	Hornblende phyric
P	Pyroxene phyric
L	Lithic rich
X	crystal rich
V	Vitric

Texture codes

F	fine
M	medium
C	coarse
B	breccia

Other Rock codes

CHRT	Chert
CARB	Carbonate
GWAC	Greywacke
SSLT	Siltstone
SAND	Sandstone
SERP	Serpentinite
CONG	Conglomerate
GRAN	Granite
GRAD	Granodiorite
SKRN	Skarn
LOSS	No Core recovery
CLAY	Clay
MMAG	Massive magnetite
SKSP	Serpentinite Skarn
SHAL	Shale
HEVC	Heamatitic Volcanoclastic

PHLG Phlogopite schist
 GABB Gabbro

Colour

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 Ch Chlorite
 Se Sericite
 Cb Carbonate
 Di Diopside
 Ax Axinite
 Sc Serpentine-chrysotilic
 Sp Serpentine
 So Schorl
 Ph Phlogopite
 Sx Sulphidic
 Py Pyritic
 Po Pyrrhotitic
 Ht Haematitic
 Mg Magnetite
 To Tourmaline
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Serpentine	SP	5
Clay	CY	5
Quartz	QZ	1

Sericite	SE	3
Chlorite	CH	3
Clean	X	1
Iron	FE	1.5
Haematite	H	2

Assay Sheet

Project	BHID	From m	To m	Ni %	Cu ppm	Pb ppm	Zn ppm	As ppm	Co ppm	S%	MgO %	FeO %	Au ppm	Strat	Rock
Pontiac	P006	4	5	0.06				50	-20	-0.1	17.5	3.0			
Pontiac	P006	5	6	0.21				50	60	-0.1	32.0	11.3			
Pontiac	P006	6	7	0.17				50	20	-0.1	37.8	5.8			
Pontiac	P006	7	8	0.16				-50	20	-0.1	39.5	5.1			
Pontiac	P006	8	9	0.18				50	20	-0.1	43.2	5.8			
Pontiac	P006	9	10	0.19				50	20	-0.1	44.4	5.7			
Pontiac	P006	10	11	0.20				-50	20	-0.1	44.5	6.3			
Pontiac	P006	11	12	0.19				-50	20	-0.1	44.5	6.0			
Pontiac	P006	12	13	0.21				-50	40	-0.1	43.7	6.0			
Pontiac	P006	13	14	0.15				-50	-20	-0.1	42.2	4.5			
Pontiac	P006	14	15	0.17				-50	-20	-0.1	44.0	5.9			
Pontiac	P006	15	16	0.17				50	-20	-0.1	44.2	5.5			
Pontiac	P006	16	17	0.19				-50	-20	-0.1	44.6	5.1			
Pontiac	P006	17	18	0.22				-50	-20	-0.1	45.4	4.5			
Pontiac	P006	18	19	0.21				-50	-20	-0.1	45.0	3.9			
Pontiac	P006	19	20	0.18				-50	-20	-0.1	43.9	4.2			
Pontiac	P006	24	25	0.16				-50	-20	-0.1	38.4	4.8			
Pontiac	P006	25	26	0.14				50	-20	-0.1	37.9	3.9			
Pontiac	P006	26	27	0.16				-50	-20	-0.1	40.8	4.8			
Pontiac	P006	27	28	0.17				-50	20	-0.1	42.8	5.3			
Pontiac	P006	28	29	0.18				-50	20	-0.1	42.7	5.0			
Pontiac	P006	29	30	0.16				50	-20	-0.1	41.0	4.5			
Pontiac	P006	30	31	0.18				50	20	-0.1	41.4	4.6			
Pontiac	P006	31	32	0.20				-50	20	-0.1	43.0	5.4			
Pontiac	P006	51	52	0.17				-50	-20	-0.1	43.0	4.6			
Pontiac	P006	52	53	0.17				-50	-20	-0.1	43.3	5.1			
Pontiac	P006	53	54	0.09				100	80	1.1	28.1	8.6			
Pontiac	P006	54	55	0.11				50	-20	-0.1	33.7	5.1			
Pontiac	P006	55	56	0.10				50	-20	0.3	28.9	5.7			
Pontiac	P006	56	57	0.23				-50	40	-0.1	41.2	6.9			
Pontiac	P006	57	58	0.22				50	20	-0.1	42.2	6.8			
Pontiac	P006	84	85	0.15				-50	20	-0.1	41.4	4.9			
Pontiac	P006	85	86	0.20				50	20	0.2	39.5	5.9			

Appendix 5 DDH Assays

Allegiance Metals Pty Limited
Assay Requisition No. 108

Sample Type: Drill Core

Sample	Ni	S	Co	As	MgO	FeO
	%	%	ppm	ppm	%	%
P006 4-5	0.06	<0.1	<20	50	17.5	3.0
P006 5-6	0.21	<0.1	60	50	32.0	11.3
P006 6-7	0.17	<0.1	20	50	37.8	5.8
P006 7-8	0.16	<0.1	20	<50	39.5	5.1
P006 8-9	0.18	<0.1	20	50	43.2	5.8
P006 9-10	0.19	<0.1	20	50	44.4	5.7
P006 10-11	0.20	<0.1	20	<50	44.5	6.3
P006 11-12	0.19	<0.1	20	<50	44.5	6.0
P006 12-13	0.21	<0.1	40	<50	43.7	6.0
P006 13-14	0.15	<0.1	<20	<50	42.2	4.5
P006 14-15	0.17	<0.1	<20	<50	44.0	5.9
P006 15-16	0.17	<0.1	<20	50	44.2	5.5
P006 16-17	0.19	<0.1	<20	<50	44.6	5.1
P006 17-18	0.22	<0.1	<20	<50	45.4	4.5
P006 18-19	0.21	<0.1	<20	<50	45.0	3.9
P006 19-20	0.18	<0.1	<20	<50	43.9	4.2
P006 24-25	0.16	<0.1	<20	<50	38.4	4.8
P006 25-26	0.14	<0.1	<20	50	37.9	3.9
P006 26-27	0.16	<0.1	<20	<50	40.8	4.8
P006 27-28	0.17	<0.1	20	<50	42.8	5.3
P006 28-29	0.18	<0.1	20	<50	42.7	5.0
P006 29-30	0.16	<0.1	<20	50	41.0	4.5
P006 30-31	0.18	<0.1	20	50	41.4	4.6
P006 31-32	0.20	<0.1	20	<50	43.0	5.4
P006 51-52	0.17	<0.1	<20	<50	43.0	4.6
P006 52-53	0.17	<0.1	<20	<50	43.3	5.1
P006 53-54	0.09	1.1	80	100	28.1	8.6
P006 54-55	0.11	<0.1	<20	50	33.7	5.1
P006 55-56	0.10	0.3	<20	50	28.9	5.7
P006 56-57	0.23	<0.1	40	<50	41.2	6.9
P006 57-58	0.22	<0.1	20	50	42.2	6.8
P006 84-85	0.15	<0.1	20	<50	41.4	4.9
P006 85-86	0.20	0.2	20	50	39.5	5.9
P006 86-87	0.21	<0.1	20	<50	42.0	6.3
P006 87-88	0.21	<0.1	20	50	41.2	6.4
P006 88-89	0.20	<0.1	20	50	40.5	7.2
P006 89-90	0.23	<0.1	40	50	41.0	8.2
P006 90-91	0.21	<0.1	20	50	40.5	6.8
P006 91-92	0.10	<0.1	20	50	27.5	5.7
P006 92-93	0.12	<0.1	<20	50	29.7	4.9
P006 93-94	0.14	0.1	<20	50	31.7	6.7
P006 94-95	0.10	0.5	<20	50	25.4	4.6
P006 95-96	0.04	<0.1	<20	<50	18.6	4.4
P006 96-97	0.06	<0.1	<20	50	20.4	5.4
P006 98-99	0.03	<0.1	<20	50	13.9	2.8
P006 99-100	0.02	<0.1	<20	<50	11.0	1.7
48184	0.85	1.1	180	750	31.3	12.7
48185	0.49	0.4	160	50	32.9	9.5
48186	0.59	0.7	160	1450	38.8	11.3
48187	2.40	<0.1	100	50	42.1	11.1

Duplicates

Sample	Ni	S	Co	As	MgO	FeO
	%	%	ppm	ppm	%	%
P006 27-28	0.17	<0.1	20	<50	42.5	5.3
P006 89-90	0.22	<0.1	40	50	39.9	8.4