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AUSTRALIAN DEVELOPMENT LTD
JOINT VENTURE

EXPLORATION LICENCES 5072 & 5133
WHITE HILL PROJECT

THIRD ANNUAL REPORT
for the period January 29, 1989 to
January 28, 1990

TENNANT CREEK 1:250,000
GEOLOGICAL SHEET

V. A. Preston,
January, 1990

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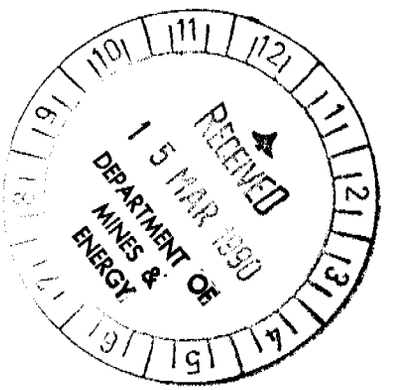

SUMMARY

Exploration programmes carried out during the third year of this project licences has focused on follow-up work over the Grey's Bluff anomaly. The multi-disciplinary programme was aimed at the discovery of Tennant Creek style ore bodies or low grade high volume stockwork style deposits.

Field work, involving geochemical and ground magnetic surveys, as well as rotary air blast drilling have failed to detect any significant gold mineralisation.

As a result of these investigations, no further work is recommended for the Grey's Bluff anomaly.

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WHITE HILL PROJECT

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INTRODUCTION

GENERAL

The White Hill Project Area encompasses two exploration licences originally granted to Australian Development Limited and now forming part of a joint venture agreement with Newmont Australia Limited. These licences are part of a larger group of 12 licences within the Tennant Creek district which are the subject of the joint venture.

During December 1987 Australian Development Limited made application to the Director of Mines to have the 12 licences consolidated into four groups to simplify reporting. Permission was granted during January 1988, with a common anniversary of January 29.

This project area has been named the White Hill Project area after the White Hill trig station which is included in the area.

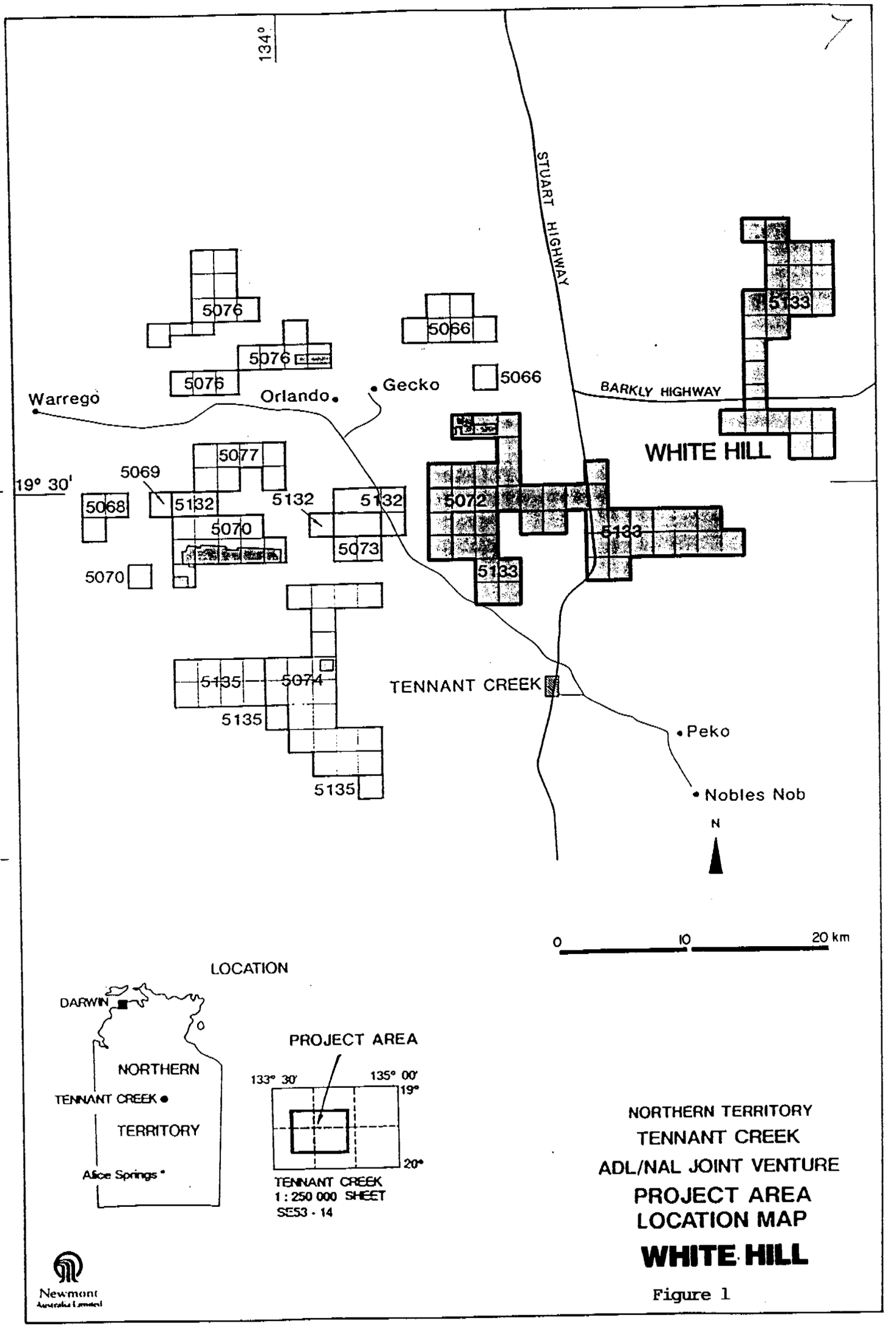
THE JOINT VENTURE

Australian Development Limited (ADL) and Newmont Australia Limited (Newmont) entered into a joint venture in 1987 where Newmont can earn a 50% interest in the subject 12 exploration licences by exploration expenditure of $3M during the four year period to December 1991. Newmont commenced exploration of the licences in November 1987.

LOCATION AND ACCESS

The White Hill project encompasses parts of Tennant Creek and Phillip Creek Stations as well as areas of Crown Land which are the subject of the current Warramunga Aboriginal land claim. The project area is traversed by both the Stuart Highway and the Barkly Highway (Figure 1). Access off these sealed roads is via station fence lines, tracks and previous exploration routes. Such tracks are impassable for brief periods after heavy wet season rains but are otherwise quite suitable for access.

Access to the northern part of the project area is more limited due to a lack of tracks.


134°
STUART HIGHWAY
BARKLY HIGHWAY
WHITE HILL
5133
5066
5076
5076
5076
5066
Warrego
Orlando
Gecko
19° 30'
5077
5069
5068
5132
5132
5132
5070
5073
5070
5072
5133
5133
5135
5074
5135
5135
TENNANT CREEK
Peko
Nobles Nob
N
0
10
20 km
LOCATION
DARWIN
NORTHERN
TERRITORY
TENNANT CREEK
Alice Springs
PROJECT AREA
133° 30'
135° 00'
19°
20°
TENNANT CREEK
1 : 250 000 SHEET
SE53 - 14
NORTHERN TERRITORY
TENNANT CREEK
ADL/NAL JOINT VENTURE
PROJECT AREA
LOCATION MAP
WHITE HILL
Newmont
Australia Limited
Figure 1

GEOLOGY

REGIONAL GEOLOGY

The White Hill project area covers parts of the central section of the early Proterozoic Warramunga Group sediments. Dodson and Gardener (1978) provide the most recent stratigraphic subdivision for this group. These authors subdivide the uppermost formation, previously known as the Carraman Formation into six numbered greywacke units and two units of acid volcanics known as the Gecko Volcanics and the Warrego Volcanics. This sequence is underlain by acid volcanics and shaley sediments of the Bernborough Formation and the Whippet Sandstone which is in turn underlain by greywackes of the unit 1 greywackes of Dodson and Gardener or the Monument Beds of previous authors.

Williams (1987) has suggested that the Whippet sandstone is the lower most unit of the Warramunga Group and that it unconformably overlies a sequence of greywacke, shale, BIF, chert and acid volcanics which he considers are the equivalent of Division 1 of the Arunta inlier in central Australia. The Warramunga Group is viewed as the equivalent of Division 2 of the Arunta complex by Stuart et.al. (1984).

Williams (1987) has further proposed an informal subdivision of the Carraman Formation by recognizing lower, middle and upper units. The middle unit named the Black Eye Member (thickness up to 3000m) has been delineated on the basis of its magnetic response and includes a sequence of hematite shales, quartz porphyries and greywackes with up to 20wt% magnetite. This unit also encloses all known massive magnetite ironstones on the field, some of which are hosts to the major ore bodies including Nobles Nob, Juno and Warrego.

Structure is reasonably complex with three main deformations resulting in moderate to steep open folds orientated ESE-WNW with numerous plunge reversals. Two main periods of faulting are recognized including an earlier development of steep shear zones sub parallel to fold axes and a later set of NW-SE faults with major sinistral strike displacements. Folding is thought to have commenced early in the basins' history while some sediments were still only partially consolidated.

The Warramunga Group has been metamorphosed to greenshist facies and shows evidence of local contact metamorphism against granite contacts, however, the numerous porphyry intrusives have produced minimal contact metamorphic effects.

Other intrusives include dolerite, syenite and lamprophyre dykes. Several sets of large quartz veins cut through the field with a north to north westerly trend and are considered to be low temperature fillings of late stage fractures. These later features are not known to be mineralised.

FEATURES OF KNOWN TENNANT CREEK ORE DEPOSITS

The major ore deposits of the Tennant Creek goldfield have a number of common features:

1. They occur in hematite and magnetite ironstone bodies in sheared and altered sediments often at the intersection of the two phases of shear orientation.

2. They occur in anticlinal fold closures in both principal folds and drag folds.

3. They are often closely associated with iron rich sediments in the folded stratigraphy.

4. They occur in alteration zones which are confined to the shear zones and have root like channels open down dip.

5. Alteration assemblages include chlorite (dominant) magnetite, talc, dolomite, quartz, and sericite. Bleaching is common in the footwalls.

Table 1 demonstrates that there are two distinct deposit types in the field, the gold rich deposits such as Nobles Nob and the copper rich deposits such as Peko. Both styles have significant Bi and Se (commercially extractable in some cases), and minor uranium which may be of some use to exploration. Silver and base metals other than Cu are generally low however individual shoots of Pb-Zn mineralisation were found in some of the Cu rich mines eg. Orlando and the Ivanhoe mine produced more silver than gold in a ratio of approx. 3:1.

The deposits are iron sulphide poor, Cu occurs as chalcopyrite and gold is free or associated Cu-Bi sulphasalts, As is minor or absent.

In form the deposits tend to be pipe or plug shaped bodies of quartz hematite and magnetite surrounded by chlorite magnetite hematite and zones of dolomite. Several shoots of ore may be present at each mineralised site and metal ratios vary between shoots. Several of the ore bodies, such as Nobles Nob and White Devil are elongate in plan with the long axis parallel to local cleavage direction.

Of the 700 odd mapped or drilled ironstones in the field, some 150 carry detectable gold mineralisation. Paragenetic studies on the various deposits have all shown that the Cu, Au, Bi assemblages have been deposited from solution subsequent to the emplacement of the magnetite bodies.

Weathering-oxidation extends to an average of 60m with a zone of trace element depletion extending to an average depth of 30m beneath a dissected, partially pisolitic laterite profile. Several deposits including Nobles Nob and Peko benefited from supergene enrichment.

TABLE No. 1

TENNANT CREEK PRODUCTION AND/OR RESERVES (APPROXIMATE)

Deposit	Tonnage mt tonnes	Grade Au g/t	Cu%	Bi%	Contained Gold oz.	Contained Copper
WARREGO	5.0	7.0	2.6	0.3	1,150,000	174,370
NOBLES NOB	1.28	25.6	?	?	1,100,000	
JUNO	0.38	65.2	0.42	0.4	841,000	1,490
PEKO	3.1	3.4	4.14	0.2	340,000	147,410
WHITE DEVIL	+0.30	22.0	1.5	0.08	+200,000	
ORLANDO	0.68	8.8	4.01	0.07	174,193	27,350
ARGO	0.298	13.5	0.82	0.68	130,000	1,510
GECKO	4.73	0.74	3.86	0.07	112,910	188,450
EL DORADO	0.146	22.7	?	?	106,910	
TC 8	0.03	55.0	?	?	53,226	
GOLDEN 40	0.104	14.0	?	?	47,000	
WHIPPET	0.016	34.0	?	?	17,548	
NORTHERN STAR	0.153	7.3	?	?	36,029	
IVANHOE	0.315	2.9	3.7	?	29,463	11,880

Note:

(Figures used in this table came from a variety of sources and may well be incomplete or in some cases overstated. For this reason the table should be used as a guide to deposit size distribution only).

Approx. 20 smaller deposits have produced more than 1000 oz, 120 mines are known.

LOCAL GEOLOGY

The White Hill project area encompasses quite diverse geology by comparison with the other Tennant Creek project areas. The central part of the area is occupied by the main mass of the Tennant Creek Granite which intrudes both the pre Warramunga - Arunta division 1 equivalents (Williams 1987) and the lower most members of the Warramunga Group.

On the western side of the project area, adjacent to the small Cleos' Gift prospect, the boundary between the acid volcanics of the Bernborough Formation and the greywackes of the lower Carraman Formation trends 140° to a point where it is truncated by the granite contact 2.5km to the SE.

Hornfels development adjacent to the granite contact is evident up to 500m distant and locally minor tourmalinization of sediments has been observed. Folds in the sediments have wave lengths of 500m to 1km and plunge shallowly to the SE. Axial plane parallel shears are common.

The western granite contact is displaced 4km by the major sinistral Quartz Hill fault, the passage of which is clearly evident in the field by the occurrence of large continuous quartz veins. To the south of this structure the granite contact parallels a NE trending zone of intense shearing in greywackes and jaspers of the lower Carraman Formation.

In the Grey's Bluff area, in the south western corner of the project, the lower Carraman Formation is represented by a sequence of greywackes, siltstones, sandstones and cherty tuffs with several small quartz feldspar porphyry units. Hornfels extend up to 1km from the granite contact and the granite shows considerable evidence of wall rock contamination suggestive of a shallow south dipping contact zone. Several small lamprophyre dykes have been mapped in this area.

To the east and north outcrop becomes gradually more scarce and then non existent. Adjacent to areas of outcrop the granites are covered by an immature arkose however at a greater distance cover is aeolian or alluvial sand and lateritic gravel.

In the south eastern corner of the project area the lower Carraman Formation sediments are unconformably overlain by vesicular basalt of the Cambrian Helen Springs volcanics. The basalts appear to be readily lateritised and outcrop on low rubble strewn rises. Green glauconite commonly fills the amygdales. In places the basalts are overlain by cherts of the Cambrian Gum Ridge Formation.

North of this area soil cover is complete and it is difficult to judge whether basement is comprised of Proterozoic or Cambrian rocks.

EXPLORATION PROGRAMME

PREAMBLE

The magnetic nature of the ore deposits in the Tennant Creek district was recognized early in the history of the field. As a result of the past success of prospecting for discrete magnetic anomalies, most of the magnetic anomalies are currently covered by mineral claims controlled by the two major local explorers, ADL and Geopeko. In view of this situation Newmont decided to pursue a non-model specific exploration programme with the intention of finding significant mineralisation in subtle magnetic settings or low grade high volume deposits. To this end systematic exploration proceeded through a phase of data acquisition which included systematic soil sampling, geological mapping, interpretation of low level airborne geophysics and rotary air blast drilling.

In Year 2 twelve anomalous zones were identified from the first pass sampling programme. These anomalies were prioritised after confirmation sampling and consideration of their geomorphological, geological and geophysical setting. Only two anomalies (Anomaly C24 and C30) were considered worthy of follow-up work.

Follow-up work was carried out on Anomaly C30, however results failed to enhance the initial sample result of 7.63ppb Au. The surface anomaly was interpreted to be due to contamination. Outcrop sampling was conducted on an ad. hoc. basis during geological mapping and soil sampling. Results were generally disappointing with gold values at background level or below the detection limit. An exception was a sample of quartz hematite ironstone taken from the C24 (Grey's Bluff) anomalous zone which returned 0.32ppm Au supporting the anomalous status of the zone as demonstrated by soil sampling.

For further information on exploration programmes carried out during the second year of the project area refer to the annual report by D.F. Pearson (1988). Exploration during 1989 (Year 3) has focused on Anomaly C24. This follow-up programme included soil and rock chip sampling, a ground magnetic survey, geological mapping and orientation rotary air blast drilling.

WORK COMPLETED

Anomaly C24 - Grey's Bluff

Surface Geochemistry

Follow-up soil sampling over the broad C24 anomaly included extension of the 500m spaced reconnaissance grid sampling further north to provide a good overlap with the Tennant Creek granite and infilling of the existing 500 x 500m grid with samples spaced on 250m centres. This programme involved collection of 124 5kg BLEG samples (Plate 1) which were analysed at Classic Comlabs Berrimah laboratory.

Results from the infill programme confirmed the first pass sampling anomaly however it was not significantly enhanced. Three broad zones with consistent results greater than 1ppb Au were identified (Plate 1 & 2), the eastern two of which were selected for further investigation by RAB drilling (Plate 1). These zones had peak soil results of 3.25ppb Au for the northern zone and 2.00ppb Au for the southern zone.

A total of 43 rock chip samples were collected on an ad. hoc. basis during the soil sampling and mapping programmes (Appendix 1 and Plate 1). These samples were assayed for Au (by fire assay followed by carbon rod determination-detection limit 2ppb) and Cu, Pb, Zn, Bi, Ag, Co, Mo and As by AAS methods at Classic Comlabs Berrimah laboratory. Unfortunately no anomalous results were returned.

Geological Mapping

The C24 anomalous zone covers a flat area which mostly slopes gently northward with a well developed dendritic drainage pattern which is incised as narrow 2 to 3m deep trench like channels. The drainage pattern converges to the north east where it becomes a major tributary of Tennant Creek (Plate 2).

Outcrop makes up approximately 20% of the surface area occupying low rubble strewn rises with adjacent subcrop trains. Good exposures also occur in the drainage channels. The remaining surface area is covered with quartz and siliceous scree set in a shallow residual "C" horizon kaolinitic soil. In this environment anomalous soil sampling results are likely to be proximal to their primary source i.e. no significant surface transport effects should be present.

Geological mapping based on 1:10,000 scale aerial photography and gridding (Plate 2) revealed a relatively simple geology. In the anomalous area a sequence of greywackes of the Carraman Formation is locally intruded by Tennant Creek granite and associated acid dykes, quartz feldspar porphyry and small lamprophyre dykes. The greywacke sequence has a north westerly strike and an average dip of 45°SW with no apparent macro fold structures. Minor synsedimentary deformation is evident. North west trending shears with thin quartz stringers become more frequent in the southern part of the anomalous zone as the major Mary Anne-Mary Lane shear zone, which lies 1km south of the southern BLEG anomaly peak, is approached. Locally small discontinuous zones of iron enrichment and hematitic ironstone stringers also occur in the shear zones.

Outcrops of leucocratic porphyritic granite of the Tennant Creek granite occur 600m north of the northern BLEG anomaly peak. Although the contact is concealed it is interpreted to occur 300m north of the anomaly. Thin veins of pegmatite were observed trending SW up to 1km from the contact and a zone of hornfelsed sediments extends up to 600m south of the contact enveloping the anomaly (Plate 2).

A small outcrop of syenite was mapped on the western flank of the broad C24 anomalous zone, 1.8km south of the main granite contact and 1.5km west of the southern BLEG anomaly peak. This occurrence is interpreted as an apophysis of the Tennant Creek granite and suggests that the main intrusive may lie at shallow depth beneath most of the C24 zone.

Several bands of quartz feldspar porphyry up to 40m in width were observed apparently lying conformably within the sediments. Less extensive lamprophyre dykes were also observed however neither of these features appeared to bear any relationship to the geochemical anomalies.

Ground Magnetic Survey

A ground magnetic survey was conducted in the eastern part of the C24 soil geochem. anomaly in an attempt to detect cryptic magnetic signatures of buried mineralised bodies or structures capable of hosting mineralisation represented by the surface Au anomalies. Close analysis of the aeromagnetic data had previously revealed that no 'bull's eye' type magnetic targets existed in the area.

A total of 30 line km of ground magnetic data was collected on line spacings of 80m and station spacings of 10m (Plate 1, Figure 2). The survey was conducted by Goanna Exploration Ltd using an EDA OMNI IV proton precession magnetometer with a sensor at 2.5m above ground and an EDA OMNIMAG PPM400 base station. Contoured data is presented as Figure 2.

As expected no discrete magnetic highs were detected above the noisy background. Close inspection showed subtle magnetic lineaments parallel to bedding orientation with a suggestion of local distruption by NE trending fractures. No features considered to be representative of potential sites of mineralisation were detected.

RAB Drilling Programme

As the BLEG soil anomaly could not be explained by either geological mapping observations or the ground magnetics survey a programme of orientation RAB drilling was designed to test the subsurface geochemistry in the northern and southern BLEG anomalies. It was hoped that the programme would demonstrate stockwork or shear zone related mineralisation at depth or at least explain the surface anomaly and thus contribute to the growing data base on Tennant Creek geochemistry.

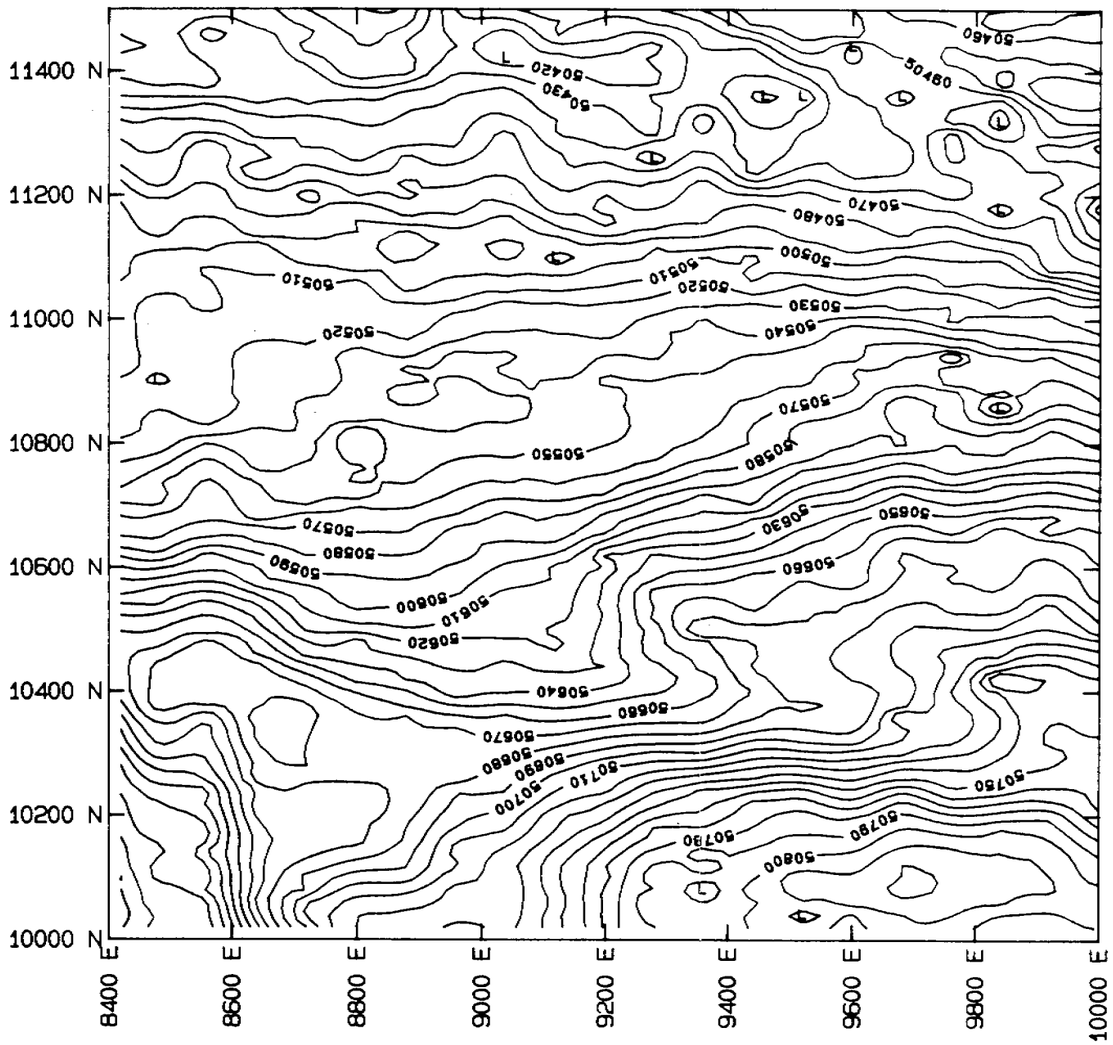
Northern Anomaly

The programme for the northern anomaly (Plate 1) included 2 lines of overlapped 60° declined 3½" RAB holes drilled north across strike and surrounding the peak anomalous soil sample site. A total of 14 holes for 575m were drilled using a GEMCO H13 drill rig contracted from East West Drilling Services Pty Ltd (for logs see Appendix 2).

Drilling encountered kaolinitic weathering to vertical depths of 2 to 15m over a sequence of indurated (hornfelsed) greywackes and shales. Several narrow (approx. 4m true width) lamprophyre dykes were intersected as well as thin quartz veins and pegmatitic granite dykes. Several holes encountered pink medium grained granite with minor tourmaline. These intersections demonstrate a shallow southerly dip for the Tennant Creek granite and show that the surface BLEG anomaly falls well within the hornfels zone adjacent to the granite.

All 14 holes were sampled on 1m intervals with splits composited to 4m for initial assay. Composites were assayed at Classic Comlabs Berrimah laboratory for Au, Cu and Bi by AAS.

Results for all elements were disappointingly low and commonly at or below detection limits of 0.01ppm Au, 2ppm Cu and 10ppm Bi. Peak results were 0.10ppm Au, 35ppm Cu and 950ppm Bi with the 0.10ppm Au representing indurated grey siltstone with minor quartz veining in hole 24/04. Both the Cu and Bi anomalies represented a zone of quartz veining and silicified siltstone at the base of hole 24/10.



SURVEY PARAMETERS

MAGNETOMETER	EDA OMNI IV
SENSOR HEIGHT	2.5 m
STATION SPACING	10 m
LINE SPACING	80 m
GRID CELL SIZE	20 m
CONTOUR INTERVAL	10 nT
CONTRACTOR	GOANNA EXPLORATION LTD

Magnetic declination = 5

Magnetic inclination = -50

0 200 400 600 M

SCALE 1: 10000

NEWMONT AUSTRALIA LIMITED

TENNANT CREEK

GREY'S BLUFF PROSPECT

CONTOURS OF TOTAL MAGNETIC INTENSITY

M.FLIS Figure 2 19 MAY 89

These results support the view that the northern surface BLEG anomaly is related to subtle metasomatic trace element enrichment in the hornfels zone rather than secondary dispersion from economic grade mineralisation.

Southern Anomaly

The programme completed on the southern anomaly consisted of a single line of overlapped 60° declined holes drilled north between BLEG sample 76489 (1.94ppb Au) and 76440 (2.00ppb Au). A total of 10 holes for 620.5m were completed (Appendix 2, Plate 1).

Drilling encountered a sequence of interbedded greywacke and shale with greywacke becoming gradually more predominant in the northern part of the traverse. Several thin lamprophyre dykes were observed the largest being intersected over 11mdh in hole 24/16. These lithologies were more deeply weathered than had been the case on the northern anomaly with strong kaolinitic weathering extending to depths of 40 to 50m.

Results for all elements assayed were even lower than those reported for the northern anomaly a fact perhaps represented by the lower surface BLEG results. Peak values were 0.06ppm for Au whilst all Bi results were less than the 10ppm detection limit. Cu values in the range 70 to 105ppm were returned from lamprophyre intersections and a few results in the range 50 to 125ppm were returned from intersections of sediments showing minor induration or local quartz veining. A limited number of samples were also assayed for Ag, Co, Pb and Zn however no anomalous results were reported.

It is concluded that the surface BLEG results provide a good indication of primary rock elemental abundances in this environment and that such low level anomalies are not indicative of underlying mineralisation.

ONGOING PROGRAMME

Work proposed for Year 4 includes a reassessment of the geological, geophysical and geochemical data bases compiled during Year 2 and 3 in an attempt to use accumulated experience to identify new prospects for detailed evaluation. Such prospects will be advanced to the drill target stage and then ranked against each other and prospects in the adjacent project areas to determine priority for drill testing.

CONCLUSIONS

Exploration work completed this year was focused on the Grey's Bluff (Anomaly C24) prospect, an anomalous area identified during the Year 2 reconnaissance sampling programme. Multidisciplinary exploration carried out on the project area included follow-up soil sampling, a ground magnetic survey, geological mapping and rotary air blast drilling.

The drilling programme was designed to test the subsurface geochemical expression beneath two low order surface BLEG anomalies. Twenty-two holes totalling 1195.5m were drilled. No significant gold or base metal values were obtained and the weak gold anomalies were interpreted to be the result of subtle metasomatism of the sedimentary rocks, associated with the intrusion of the Tennant Creek granite. No further exploration is recommended for the Grey's Bluff prospect area.

Work proposed for Year 4 includes a reassessment of the geological and geophysical data on the broader project area to identify blind or geochemically obscure prospects.

EXPENDITURE SUMMARY

25th January, 1989 to 24th January, 1990

WHITE HILL PROJECT

INCORPORATING EL's 5072 and 5133

	EL5072	EL5133
Salaries, Wages & Overheads	9,328	52,861
Assaying	882	4,996
Drilling	981	5,557
Geophysics	465	2,636
Surveying	58	332
Admin. & Office Costs	2,561	14,509
Field Supplies	386	2,190
Field Living	212	1,200
Vehicles	422	2,393
Freight	139	789
Travel & Accom.	899	5,092
Land Management	33	189
TOTAL	$16,366	$92,744

PROJECT TOTAL $104,110

(Total Project expenditure has been distributed amongst included EL's pro rata on the basis of graticular blocks held in Year 3)

REFERENCES

Dodson, R.G.; and Gardener, J.E.F.; 1978: Tennant Creek Northern Territory, 1:250,000 Geological Series - Explanatory Notes " Aust. Govt.Publishing Service Canberra.

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APPENDICES

APPENDIX ONE

ROCK CHIP LEDGER

Note: Certain batches of samples were assayed for Au down to a detection limit of 0.0002ppm (ie. 0.2ppb) by increasing concentration factor on the DIBK extraction and carbon rod AAS analysis.

PROJECT	
PROJECT NAME:	
NAL-ADL JV	
White Hill	
405936	
PROJECT No.	NT 30

SAMPLING RECORD	
SAMPLED/LOGGED BY:	R.W., V.P.
MATERIAL:	Rock chip.
DATE: 30.3.89	DEPTH: SURFACE
LABORATORY:	CLASSIC COMLABS.
LABORATORY REPORT No.	9DN0317
N.A.L. ORDER No.	1513

NEWMONT AUSTRALIA LIMITED

SAMPLE REPORT

ANALYTICAL DATA

SAMPLE NUMBER	CO-ORDINATES		SAMPLE TYPE	DESCRIPTION	ELEMENT	Au	Cu	Pb	Zn	Bi	Ag	Co	Mo	As
					METHOD	AAS9*	AAS1/2	AAS1/2	AAS1/2	AAS1/2	AAS1/2	AAS1/2		AAS1/2
					(ppm) DETECTION LIMIT	0.0002	2	5	2	10	1	5	2	50
405936	409200E	7835120N	R/C	"Syenite" in parts extensively epidotized.		.0023	9	7	23	<10	<1	9		
37	409200E	7835120N		Qtz (back) assoc ī "syenite"		.0005	6	<5	2	<10	<1	<5		
38	409270E	7837630N		Sed. fragments in fest matrix Mod sheared Minor qtz veins		.0005	5	6	3	<10	<1	<5		
39	409560E	7837250N		Dark grey. Fe-rich silt/mudst.		.0015	8	6	<2	<10	<1	<5		
30	409050E	7835920N		Qtz vein bordered by limonitic epidotics.		.0001	7	4	9	<10	<1	<5		
405936	409310E	7836230N	R/C	Calcrete veins transecting sed. cleavage		.0013	3	<5	2	<10	<1	<5		
32	409330E	7836900N		"Opaline silica"		.0002	10	7	<2	<10	<1	<5		
33	409330E	7836900N		Opaline silica veins ī mud/siltst.		.0005	5	7	4	<10	<1	<5		
34	409330E	7836900N		Hematite silicified mud/siltst.		.001	2	8	<2	<10	<1	<5		
			R/C	Lab Rep. No. 9DN0347 NAL order No 1516.		Au	Cu	Pb	Zn	Bi	Ag	Co	Mo	As
				Date 3.4.89	d. limit	.0002	2	5	2	10	1	5	2	50
405811	411660E	7833360N	R/C	Ironstone ī minor qtz + mica. Friable		.0004	3	7	7	<10	<1	<5	10	<50
812	411660E	7833360N		Massive ironstone ī qtz.		.0006	5	<5	7	<10	<1	<5	11	<50
813	412190E	7833190N	R/C	Siliceous material at contact ī qtz vein + greywacke		.0045	11	<5	22	<10	<1	7	6	50
814	412150E	7833250N		Chloritic sediment ī Cu mineralization.		.100	1200	9	325	140	6	29	56	50
815	412540E	7833080N		Limonitic epiclastic in greywacke		.0023	930	<5	26	<10	<1	<5	3	<50
816	412090E	7835380N		Calcareous greywacke		.0004	500	<5	8	<10	<1	<5	7	<50
817	412105E	7835820N		Siliceous qtz-feldspar porphyry assoc ī buck qtz + Fe st		.0041	100	<5	5	<10	<1	<5	2	<50
818	412055E	7835300N	R/C	Brecciated carbonaceous material - colichi.		.0008	77	<5	8	<10	<1	<5	<2	<50
819	412075E	7835530N		Botryoidal veining ī greywacke.		.0019	65	<5	6	<10	<1	<5	<2	<50
820	411920E	7834000N		Lamprophyre ī greywacke.		<.0002	51	25	160	<10	<1	37	<2	50
821	411920E	7834000N		Botryoidal qtz assoc ī lamprophyre		.0007	45	<5	7	10	<1	<5	20	<50
822	412185E	7835790N		Qtz (buck) with specularite		.0007	100	<5	<2	<10	<1	<5	20	<50

* unusually low detection limit due to re-concentration with DIBK

PROJECT	
PROJECT NAME:	
NAL-ADL JV	
White Hill	
405936	
PROJECT No.	NT 80

SAMPLING RECORD	
SAMPLED/LOGGED BY:	Y.P.
MATERIAL:	Rockchip
DATE: 3·4·89	DEPTH: SURFACE
LABORATORY:	CLASSIC COMLABS
LABORATORY REPORT No.	9DN0347
N.A.L. ORDER No.	1516

NEWMONT AUSTRALIA LIMITED

PAGE No. 2 / 2

SAMPLE REPORT

ANALYTICAL DATA

SAMPLE NUMBER	CO-ORDINATES		SAMPLE TYPE	DESCRIPTION	ELEMENT	Au	Cu	Pb	Zn	Bi	Ag	Co Mo	As.
					METHOD	AAS 9	AAS1/2	AAS1/2	AAS1/2	AAS1/2	AAS1/2	AAS1/2	AAS
					(ppm) DETECTION LIMIT	0.0002	2	5	2	10	1	5 2	50
81063	412360 E	7835715 N	R/C	Dark grey humolytic sediment.		0.0093	62	<5	<2	<10	<1	<5 8	<50
81064	412360E	7835715N		Breccia zone - angular fragments in kaolin matrix.		.0012	9	<5	2	<10	<1	<5 3	<50
81065	411710 E	7835625 N		Same as above.		.0017	7	12	2	<10	<1	<5 <2	<50
81066	411720 E	7835730N		Weathered "syenite".		.0024	4	<5	3	<10	<1	<5 2	<50
81067	412055E	7836165 N		Limonitic "syenite" at contact betw "syenite" + seds		.0010	7	16	33	<10	<1	6 <2	55
81078	410580E	7836650 N	R/C	Siliceous caliche. Qtz fragments - Cambrian?		.0009	2	<5	<2	<10	<1	<5 <2	<50
81079	410580E	7836650N		Buck qtz i thinnest vein (<1m).		.0089	12	<6	3	<10	<1	<5 6	<50
81080	410580E	7836650N		Qtz vein hosted by Cambrian.		.0012	3	<5	2	<10	<1	<5 <2	<50
81081	410580E	7836650N		Qtz vein i fe and limonitic staining		.0008	2	<5	<2	<10	<1	<6 <2	<50
81082	409770E	7835640N		Buck qtz i hem. staining. Tempest i epiclastics		.0010	5	9	11	<10	<1	6 4	50
81083	409770E	7835640N	R/C	Glassy qtz - hem. staining.		.0006	<2	<5	<2	<10	<1	<5 <2	<50
81084	409730E	7835580N		Hem. qtz-felspar porphyry - epiclastic		.0010	5	<5	<2	<10	<1	<5 <2	<50
81085	410380E	7835230N		Ferruginous silter. i qtz veining.		.0033	<2	26	3	<10	<1	7 3	<50
81086	410120E	7835480N		Ferruginous qtz/felspar epiclastic		.0005	3	21	62	<10	<1	40 2	<50
81087	410120E	7835480N		Weathered epiclastic rock intercalated i sed. rock.		.0005	<2	<5	<2	<10	<1	<5 <2	<50
81089	410270E	7835750N	R/C	Ferruginous sediment - zone of fluid movement.		.0004	48	21	46	<10	<1	39 <2	<50
81089	410270E	7835750N		Light grey vein in ferruginous epiclastic		.0009	3	<5	<2	<10	<1	<5 <2	<50
81090	410445E	7835960N		Breccia zone. dark grey fragments, fe stained SiO2		.0009	9	11	26	<10	<1	7 6	<50
81091	410240E	7835970N		Calcite - unsure of rock comp.		.0005	<2	<5	4	<10	<1	<5 7	<50
81092	410180E	7836020 N		Limonitic "syenite" or epiclastic. Hematitic assoc		.0004	58	20	74	<10	<1	12 7	70
81093	410695E	7833850N	R/C	Metasomatic sediment, adj. to lacunophyre		.0008	<2	<5	3	<10	<1	<5 5	<50
81094	411110E	7834640N		Pisolites. Residual material. Close assoc i ferricrete		.0003	4	39	4	<10	<1	<5 6	<50

APPENDIX TWO

DRILL LOG SHEETS WITH ASSAY RESULTS - GREY'S BLUFF

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE N° 1/2

PROJECT NT30 AZIMUTH 360 DRILL RIG GEMCO

HOLE N°: 24/01 1120 N 8814 E PROSPECT C24 DECLINATION -60° GEOLOGIST R.W.

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY			SECONDARY LITHOLOGY					ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t					Composite Cu ppm	Composite Bi ppm
0	1	M	gr	MW	HW	P	S	P						Kaolin	Shale, minor qtz			Blade	304	0.01	301							
1	2	gr		MW		P	S	P						"	grey-pink shale						302							
2	3	Pk		MW		P	S	P						"	Pink shale						303							
3	4	W	h	H	W	P	S	P						"	highly kaolinised shale (<10% Q)						304						<2	<10
4	5	W	h	H	W	P	S	P						"	"				308	<0.01	305							
5	6	W	h	H	W	P	S	P						"	"						306							
6	7	Cr		M	W	P	S	P						"	"						307							
7	8	Cr		M	W	P	S	P						"	"	<1% qtz					308						<2	<10
8	9	W	h	H	W	P	S	P						"	"	1% qtz			312	<0.01	309							
9	10	W	h	H	W	P	S	P						"	"						310							
10	11	W	h	H	W	P	S	P						"	"						311							
11	12	Y	l	H	W	P	S	P						"	"	<1% qtz					312						<2	<10
12	13	W	h	H	W	P	S	P						"	"	~5% bk qtz			316	<0.01	313							
13	14	W	h	H	W	P	S	P						"	(white-purple) "	traces nontronite					314							
14	15	W	h	H	W	P	S	P						"	" " "	" "					315							
15	16	Gy	r	H	W	P	S	P						"	"	"					316						<2	<10
16	17	gy	r	H	W	P	S	P						"	"	"			320	<0.01	317							
17	18	gy	r	H	W	P	S	P						"	"	" "					318							
18	19	Gy	r	H	W	P	S	P						"	"						319							
19	20	gy	r	H	W	P	S	P						"	"	traces nontronite					320						<2	<10
20	21	gy	r	M	W	P	S	P	P	h	S				indurated grey siltstone (hornfels?), trace nontronite				324	<0.01	321							
21	22	br	r	S	W	P	S	P						Silic.	brown silcrete.	" "					322							
22	23	gy	r	S	W	P	S	P							Grey indurated siltstone, trace silcrete						323							
23	24	gy	r	M	W	P	S	P							" " " "						324						3	<10

TIME STARTED ~9am FINISHED 11am

ASSAY LAB Q Centalab P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE N° 2/2

PROJECT NT 30 AZIMUTH 360 DRILL RIG CEMCO. RAB.

HOLE N°: C24-1 11220 N 8814 E PROSPECT C24 DECLINATION -60° GEOLOGIST PW

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Cu composite ppm	Bi composite ppm
24	25	g r	M W	P S P				Indurated siltstone, ass. hornfels?, trace nontronite		Blade	324	<0.01	325			
25	26	g r	M W	P S P		silic.		" " " , 10% brown siderite					326			
26	27	y l	M W	P S P				Pale yellow, indurated siltstone, high in nontronite					327			
27	28	g r	M W	P S P	P S P h			Grey indurated siltstone, 30% red-brown hem. slst					328		<2	<10
28	29	r d	M W	P S P h	P S P			80% red hem. slst, traces grey ind. slst, ~10% siderite			332	<0.01	329			
29	30	g r	M W	P S P				Indurated grey slst.					330			
30	31	g r	M W	P S P				" "					331			
31	32	r d	M W	P S P h				Red - hem. slst					332		<2	<10
32	33	r d	M W	P S P h	P S P			" " " , grey indurated slst			336	<0.02	333			
33	34	g r	M W	P S P		silic		Grey indurated slst, 40% br. siderite					334			
34	35	g r	M W	P S P				" " "					335			
35	36	g r	M W	P S P				" " " , trace siderite.					336		<2	<10
36	37	g r	M W	P S P		silic		" " " 30% siderite			340	<0.01	337			
37	38	g r	S W	C Z I	P S P	silic.		Buff + grey siderite,					338			
38	39	g r	M W	C Z I	P S P	silic		brown siderite + nontronite (altered siltstone)					339			
39	40	g r	M W	P S P				Grey indurated sediment (siltstone), traces nontronite					340		5	<10
40	41	g r	M W	P S P		silic.		" " " , 20% siderite			344	C.01	341			
41	42	g r	M W	P S P				" " " , trace buckgit					342			
42	43	g r	M W	P S P		silic		" " " , trace siderite, nontronite					343			
43	44	g r	M W	P S P		Kaolin		Highly weath. grey slst, 95% kaolin trace nontronite					344		<2	<10
44	45	g r	M W	P S P				Grey indurated siltstone, trace nontronite			348	C.01	345			
45	46	g r	M W	P S P				" " " "					346			
46	47	g r	M W	P S P				Grey indurated, siliceous siltstone, tr. nontronite					347			
47	48	g r	M W	P S P				" " "					348		4	<10

EOH 48m

TIME STARTED 9am FINISHED 11am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE N° 1 / 2

PROJECT NT30 AZIMUTH 360° DRILL RIG Geraco-Reb

HOLE N°: C24/02 11201 N 8816 E PROSPECT Greys Bluff - C24 DECLINATION -60° GEOLOGIST RW

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	gr	MW	PSP		partially -	Sil	Soil and grey siltstone.		Blade	352	<0.01	~~350~~ ~~347~~			
1	2	gr	MW	PSP		- kaolinised		Grey siltstone					~~350~~ 349			
2	3	gr	MW	PSP		"		massive grey siltstone					351			
3	4	gr	MW	PSP		"		" " "					352		<2	<10
4	5	gr	MW	PSP		"		" " " + trace nontronite			356	<0.01	353			
5	6	gr	MW	PSP		"		" " " " "					354			
6	7	gr	MW	PSP		"		" " "					355			
7	8	pu	MW	PSP		"		pale purple-grey massive slst					356		<2	<10
8	9	pu	MW	PSP		"		" " " + tr nontronite			360	<0.01	357			
9	10	pu	MW	PSP		"		" " " "					358			
10	11	pu	MW	PSP		"		" " " "					359			
11	12	gr	MW	PSP		"		grey massive slst "					360		<2	<10
12	13	pu	MW	PSP		"		purple-grey " " "			364	<0.01	361			
13	14	pu	MW	PSP		"		" " " "					362			
14	15	pu	MW	PSP		"		" " " "					363			
15	16	pu	MW	PSP		"		" " " + tr pyrite					364		<2	<10
16	17	pu	MW	PSP		"		" " " + tr siderite			368	<0.01	365			
17	18	gn	MW	PSP		"		pale green earthy slst, <5% nontronite					366			
18	19	yl	HW	PSP		"		yellow " " " "					367			
19	20	yl	HW	PSP		"		" " " " —					368		<2	<10
20	21	yl	HW	PSP		"		" " "			372	<0.01	369			
21	22	yl	HW	PSP		"		" " " trace nontronite					370			
22	23	yl	HW	PSP		"		" " "					371			
23	24	yl	HW	PSP		"		" " "					372		<2	<10

TIME STARTED 12.50pm FINISHED ~~1.25pm~~ 1.25pm

ASSAY LAB CI. Contacts P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE N° 2/2

PROJECT CT30 AZIMUTH 360° DRILL RIG Canco

HOLE N°: 24/CT 11200 N 8816 E PROSPECT C24 - Greys Bluff DECLINATION -60° GEOLOGIST RW

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
24	25	yl	hw	psp				yellow weath slst			376	<0.01	373			
25	26	gy	hw	psp				pale grey " " , trace qtz					374			
26	27	gy	hw	psp				" " " , trace nontronite					375			
27	28	gy	hw	psp				" " " 10% "					376		<2	<10
28	29	rd	hw	psp				red (pale) " " , 20% nontronite			380	<0.01	377			
29	30	rd	mw	psp			h	red hematitic slst.					378			
30	31	rd	mw	psp			h	" " " , trace nontronite					379			
31	32	gy	mw	psp				Grey indurated slst 5% qtz, tr nontronite					380		<2	<10
32	33	gy	mw	psp				" " " , trace nontronite			384	0.02	381			
33	34	pl	mw	psp				purple weath slst.					382			
34	35	bn	sw	cz	psp			Silcrete, with minor grey slst.					383			
35	36	gy	mw	psp				grey indurated slst, 5% nontronite					384		<2	<10
36	37	pl	mw	psp				Pale purple-red weath slst, 0% nontronite			388	<0.01	385			
37	38	pl	mw	psp				" " " " trace nontronite					386			
38	39	pl	mw	psp				" " " " —					387			
39	40	pl	mw	psp				" " " " trace nontronite					388		<2	<10
								EoH 40 m.								

TIME STARTED 12.50pm FINISHED 1.25pm ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 27/5/89 PAGE N° 1 / 2

PROJECT NT30 AZIMUTH 360° DRILL RIG Gemco Rab

HOLE N°: 24/03 11244 N 8816 E PROSPECT C24 - Greys Bluff DECLINATION −60° GEOLOGIST RW.

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Ag g/t	Cu g/t	Bi g/t	Composite Cu ppm	Composite Bi ppm
0	1	Br	M W	P S P				Soil + brown (lim stained) s/st.		Blade	392	0.09	390						
1	2	Gy	M W	P S P				~~Porous, fine grained~~ s/st + grey indur s/st.					391						
2	3	Gy	M W	P S P				Grey indurated s/st					392					5	<10
3	4	Gy	M W	P S P				" " "											
4	5	Gy	M W	P S P				" " ", + tr. pentlandite			396	<0.01	393						
5	6	Gy	M W	P S P				" " " " "					394						
6	7	Gy	M W	P S P				" " " " "					395						
7	8	Gy	M W	P S P				" " " " "					396					<2	<10
8	9	Pu	M W	P S P				Pale purple massive weath s/st			400	<0.01	397						
9	10	Rd	M W	P S P				pale red " weath "					398						
10	11	Yl	M W	P S P				Yellow " weath "					399						
11	12	Yl	M W	P S P				" " " "					400					<2	<10
12	13	Yl	M W	P S P				" " " ", trace pentlandite fgr			404	<0.01	401						
13	14	Gy	M W	P S P				Grey indurated s/st/sno					402						
14	15	Gy	M W	P S P				" " "					403						
15	16	Gy	M W	P S P				" " "					404					6	<10
16	17	Gy	M W	P S P				" " ", trace limonite			408	<0.01	405						
17	18	Gy	M W	P S P				" " " " "					406						
18	19	Gy	M W	P S P				" " " 5% silcrete					407						
19	20	Gy	M W	P S P				" " " trace silcrete					408					<2	<10
20	21	Gy	M W	P S P				" " "			412	<0.01	409						
21	22	Gy	M W	P S P				" " " 5% silcrete					410						
22	23	Gy	S W	P S P	C 2 1	silic.		grey-brown silcrete					411						
23	24	Gy	M W	P S P				grey indurated s/st/sno, 5% silcrete					412					<2	<10

TIME STARTED 2.30 pm FINISHED 3.05 pm

ASSAY LAB Classic-Cockatoo P/O N° 1538

DRILL LOG

Newmont Australia Limited

DATE 27/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH 360° DRILL RIG Gemco

HOLE N°: 24/03 11244 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST RW.

DEPTH FROM	DEPTH TO	COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t					Composite Cu ppm	Composite Bi ppm
24	25	g	r	s	w	p	s	p	s					Silic^n		grey silicified siltstone			416	<0.01	413							
25	26	g	r	s	w	p	s	p	s					"		" " " , trace qtz					414							
26	27	g	r	s	w	p	s	p	s					"		" " " , trace carbonate					416							
27	28	g	r	s	w	p	s	p	s					"		" " "					416					8	<10	
28	29	g	r	s	w	p	s	p	s					"		" " " , some sed^y banding			420	<0.01	417							
29	30	g	r	s	w	p	s	p	s					"		" " "					418							
30	31	g	r	s	w	p	s	p	s					"		" " " , 2% carbonate					419							
31	32	g	r	s	w	p	s	p	s					"		" " " , 2% qtz.					420					9	<10	
32	33	g	r	s	w	p	s	p	s					"		" " " , tr. carbonate			424	<0.01	421							
33	34	g	r	s	w	p	s	p	s					"		" " " 2% carbonate					422							
34	35	g	r	s	w	p	s	p	s					"		" " " , trace qtz					423							
35	36	g	r	s	w	p	s	p	s					"		" " " , trace carbonate					424					8	<10	
36	37	g	r	s	w	p	s	p	s					"		" " " "			428	<0.01	425							
37	38	g	r	s	w	p	s	p	s					"		" " "					426					42	<10	
																EOH 38m RAB Refusal												

TIME STARTED 2.30pm FINISHED 3.05pm

ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE N° 1 / 2

PROJECT NT30 AZIMUTH 360° DRILL RIG Gemco - Reb

HOLE N°: 24/04 11263 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST RW

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	W h	M W	P S P S				Silicified siltstone - capping		Blade	431	0.05	427			
1	2	W h	M W	P S P S				" " with limonite coating					428 (429)			
2	3	W h	M W	P S P				White + purple silicified siltstone					430			
3	4	W h	M W	P S P				White + grey indurated siltstone					431		b	<10
4	5	W h	M W	P S P				" " "			435	<0.01	432			
5	6	W h	M W	P S P				" " " 1% fine veins					433			
6	7	g r	M W	P S P				Dk grey indurated slst					434			
7	8	g r	M W	P S P				" " " + 2% qtz					435		<2	<10
8	9	g r	S W	P S P				" " " "			436	<0.01	436			
9	10	g r	S W	P S P S		Silic'd		" " " " - silicified					437			
10	11	g r	S W	P S P				" " " " , trace nontronite					438			
11	12	W h	S W	P S P S	C 2 1	Silic'd		Silicified siltstone → chalcedony					439		<2	<10
12	13	g r	S W	P S P				Dk grey indurated slst.			443	<0.01	440			
13	14	g r	S W	P S P S		Silic'd		" " " " + 10% qtz + 10% nontronite					441			
14	15	g r	S W	P S P S		"		" " " " + 10% qtz, nontronite					442			
15	16	g r	S W	P S P S		"		" " + pink " " + 10% qtz, 10% nont					443		<2	<10
16	17	g r	S W	P S P S		"		" " " " " " "			447	0.10	444			
17	18	g r	S W	P S P				Indurated grey slst, trace nontronite					445			
18	19	g r	S W	P S P				" " " " "					446			
19	20	g r	S W	P S P				" " " 5% " + qtz					447		3	<10
20	21	g r	S W	P S P				" " " trace nontronite			451	0.04	448			
21	22	g r	S W	P S P				" " " , trace qtz					449			
22	23	g r	S W	P S P				" " " , 2% qtz					450			
23	24	g r	S W	P S P				" " " , trace qtz					451		4	<10

TIME STARTED 335 pm FINISHED 4.25 pm ASSAY LAB Classic P/O N°

Newmont Australia Limited

DRILL LOG

DATE 27/5/89 PAGE Nº 2/2

PROJECT NT30 AZIMUTH 360° DRILL RIG Clemco

HOLE Nº: 24/04 112283 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST RW.

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t				Composites Cu ppm	Composites Bi ppm
24	25	g v	s w	l s p				Indurated dk grey siltstone, trace nontronite		blade	455	<0.01	452						
25	26	g r	s w	l s p				" " " " " "					453						
26	27	g r	s w	l s p				" " " " " " + qtz					454						
27	28	g r	s w	l s p				" " " " + 5% qtz					455					<2	<10
28	29	g r	s w	l s p				" " " " + 2% qtz			459	<0.01	456						
29	30	g v	s w	l s p				" " " " + trace nontronite					457						
30	31	g r	s w	l s p				" " " " " "					458						
31	32	g r	s w	l s p				" " " " " "					459					<2	<10
32	33	g r	s w	l s p				" " " "			463	<0.01	460						
33	34	g r	s w	l s p				" " " " + trace qtz					461						
34	35	g r	s w	l s p				" " " "					462						
35	36	g r	s w	l s p				" " " " 5% qtz, [illegible]?					463					<2	<10
36	37	g r	s w	l s p				" " " " " "			(3m) 466	<0.01	464						
37	38	g r	s w	l s p				" " " " " "					465						
38	39	g r	s w	l s p				" " " " " "					466					<2	<10

EOH 39m

TIME STARTED 3.35pm FINISHED 4.25pm ASSAY LAB P/O Nº

Newmont Australia Limited

DRILL LOG

DATE 21/5/81 PAGE N° 1/2

PROJECT NTBO AZIMUTH 360° DRILL RIG Geneo

HOLE N°: C24/05 11292 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST RW

DEPTH FROM	DEPTH TO	COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY			SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu PPm	Composites Bi PPm
0	1	w	h	h	w	C	z	f	P	s	P		Silic'd		Bleached sediment/calcrete, trace silicrete		Blade	470	C01	467			
1	2	w	s	h	w	P	s	P					"		" " + trace silicrete					468			
2	3	w	h	m	w	P	s	P					"		Indurated white bleached SILTSTONE					469			
3	4	w	h	m	w	P	s	P					"		" " " " trimicrite					470		9	<10
4	5	w	h	m	w	P	s	P							" " " " "					471			
5	6	w	h	m	w	P	s	P							" " -grey " "					472			
6	7	g	r	m	w	P	s	P							Grey indurated s/st, some sed. banding			474	<0.01	473			
7*	8	g	r	m	w	P	s	P							" " " " "					474		<2	<10
8	9	g	r	m	w	P	s	P							" " "					475			
9	10	g	r	m	w	P	s	P							" " " + pink sphene??					476			
10	11	g	r	m	w	P	s	P							" " " , 2% nontronite			478	<0.01	477			
11	12	g	r	m	w	P	s	P							" " " trace nontronite					478		<2	<10
12	13	g	r	m	w	P	s	P							" " "					479			
13	14	g	r	m	w	P	s	P					*Sil/Kaolin		" " " , N. glz					480			
14	15	g	r	m	w	P	s	P							" " "			482	<0.01	481			
15	16	g	r	m	w	P	s	P							" " "					482		<2	<10
16	17	g	r	m	w	P	s	P							" " " , N. glz					483			
17	18	g	r	m	w	P	s	P							" " " , N. glz, nontronite, pk sphene					484			
18	19	g	r	m	w	P	s	P							" " " , pk band - metasomatic siliceous			486	<0.01	485			
19	20	g	r	m	w	P	s	P							" " " N glz, 5% nontronite					486		<2	<10
20	21	g	r	m	w	P	s	P							" " " banded, N. nontronite					487			
21	22	g	r	m	w	P	s	P							" " " , siliceous			490	<0.01	488			
22	23	g	r	m	w	P	s	P							" " " , N. nontronite					489			
23	24	g	r	m	w	P	s	P							" " " " "					490		<2	<10

TIME STARTED 7 40am FINISHED 8 35 am

ASSAY LAB C1 - Combo P/O N°

DRILL LOG

Newmont Australia Limited

DATE 25/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH 360° M DRILL RIG Gemco

HOLE N°: 24/05 11 282 N 8516 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
24	25	gr	MW	PsP				Grey indurated SlSt, tr. nontronite			494	<0.01	491			
25	26	gr	MW	PsP				" " , silic, " "					492			
26	27	gr	MW	PsP				" " " " "					493			
27	28	gr	MW	PsP				" " " tr. pk sphene?, tr nontr					494		<2	<10
28	29	gr	MW	PsP				" " " trace nontronite			498	<0.01	495			
29	30	gr	MW	PsPs		Silicified		" " " v hard, silicious, tr sphene, nontr					496			
30	31	gr	SW	PsPsLg		"		" " " 50% pink granitic metasom					497			
31	31½	gr	SW	PsPsLg		"		" " " v silicious, metasom?					498		3	<10
								Eoh 31½m.								

TIME STARTED 7 4c am FINISHED 8.35 am ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 29/5/89 PAGE N° 1/2

PROJECT NT30 AZIMUTH 360° DRILL RIG Geneco

HOLE N°: 24/06 11298 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY			SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	b	r	h	w	C	Z	S							Soil		Blade	1002	<0.01	499			
1	2	y	l	h	w	P	S	P	C	Z	S		Silicious		yl bleached silst, 1m contact, T soil					500			
2	3	y	l	h	w	P	S	P					"		" " " silicified " "					1001			
3	4	y	l	m	w	P	S	P					"		" " " "					1002		11	<10
4	5	y	l	m	w	P	S	P					"		" " " "			1006	<0.01	1003			
5	6	y	l	m	w	P	S	P					"		" " ", + 40% br unbleached silst					1004			
6	7	r	d	m	w	P	S	S	h						red-br unbl hem. sst, 20% bleached yl					1005			
7	8	r	d	m	w	P	S	S	h						" " " " , 30% " "					1006		7	<10
8	9	r	d	m	w	P	S	S	h						" partially " " , 50% compl. bleached yl			1010	0.02	1007			
9	10	g	dr	fg	w	P	S	P							Grey indurated silst, tr. siderite, tr. nontronite					1008			
10	11	g	r	fg	w	P	S	P							" " " , tr. nontronite					1009			
11	12	g	r	fg	w	P	S	P							" " " , tr nontronite, tr qtz					1010		3	<10
12	13	y	r	fg	w	P	S	P							" " " , " " , minor pk metasom			1014	<0.01	1011			
13	14	g	r	S	w	P	S	P							" " " , " "					1012			
14	15	g	r	S	w	P	S	P							" " " , " "					1013			
15	16	g	r	S	w	P	S	P							" " " , " "					1014		2	<10
16	17	g	r	S	w	P	S	P							" " " , ~15% nontronite			1018	<0.01	1015			
17	18	g	r	S	w	P	S	P							" " " , tr. " , tr qtz					1016			
18	19	g	r	S	w	P	S	P							" " " , " "					1017			
19	20	g	r	S	w	P	S	P							" " " , " "					1018		<2	40
20	21	g	r	S	w	P	S	P					Silicious		" " " , " " silicious			1022	<0.01	1019			
21	22	g	r	S	w	P	S	P							" " " , " "					1020			
22	23	g	r	S	w	P	S	P							" " " , " " , pt silicious metasom					1021			
23	24	g	r	S	w	P	S	P							" " " , " "					1022		<2	<10

TIME STARTED 8.55am FINISHED 9.55am

ASSAY LAB CL - Cotabs P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH 300 DRILL RIG Coemco

HOLE N°: 2406 11298 N 8814 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Lu ppm	Composites Bi ppm
24	25	g r	S W	P S P				Grey indurated slst, tr. nontronite		Rickard	1026	<0.01	1023			
25	26	Pk K F		P g			Pegmatite?	Pk silic granite/metasomatite, tr. sdvelo					1024			
26	27	g r	S W	P S P				Grey indurated slst., tr. nontronite					1025			
27	28	g r	S W	P S P				" " " "					1026		3	<10
28	29	g r	S W	P S P				" " ", tr pegmatite, tr nontr			1030	<0.01	1027			
29	30	g r	S W	P S P				" " " "					1028			
30	31	g r	S W	P S P	P g	Silicious		" " ", qtz, peg(?)					1029			
31	31½	g r	S W	P S P				" " ", tr nontronite					1030		3	<10
							EOH 31½m									

TIME STARTED 8.55 am FINISHED 9.55 am. ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 1 / 1

PROJECT NT30 AZIMUTH 360° DRILL RIG Gemco

HOLE N°: 24107 11314 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall.

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t				Composite Cu ppm	Composite Bi ppm
0	1	b r	h w	C z s				Soil		Blade		—	1031						
1	2	y l	h w	P s p				Yl-gn bleached shale/slst Tr. soil + lim			1034	<0.01	1032						
2	3	y l	h w	P s r				" " "					1033						
3	4	y l	h w	P s r				" " "					1034					14	<10
4	5	y l	h w	P s p s		silic		" " " + 40% pl gr + pk ind slst.			1038	<0.01	1035						
5	6	p k	s w	P s p s		Silic.		Pk+gr silic shale (pk = bleached) + 10% nontr					1036						
6	7	p k	s w	P s p s		"		" " " " + 5% nontr					1037						
7	8	g r	s w	P s p s		"		pl gr silic shale " + tr nontr					1038					7	<10
8	9	g r	s w	P s p s		"		pl gr silic lam shale " "			1042	<0.01	1039						
9	10	p k	F	P g	P s p s	"		Pk pegmatite, + br-gr silic shale					1040						
10	11	b r	F	P s c	P s	"		br + gr chert (silic'd shale?), tr peg					1041						
11	12	b r	F	P s c		"		" " - laminated					1042					4	<10
12	13	g r	F	P s p s	P s c	"		Grey indurated slst, part. silic ⇄ (grad) chert			1046	<0.01	1043						
13	14	g r	s w	P s p				" " " " ", tr nontr.					1044						
14	15	g r	s w	P s p				" " " " " " "					1045						
15	16	g r	F	P s p s		Silic		Pk gr + pk (bleached) silicified shale					1046					8	<10
16	17	g r	F	P s p s		"		Gr, br, pk silic sh/slst, bleached, tr qtz			1050	<0.01	1047						
17	18	g r	F	P s p				gr indurated slst, tr nontronite					1048						
18	19	g r	F	P s r				gr-br part. silic, bleached ind. slst, tr nontr					1049						
19	20	g r	F	P s p s	P s c	Silic		gr + pk " " " lam., Cherty					1050					3	<10
20	21																		
21	22																		
22	23							EOH 20 m.											
23	24																		

TIME STARTED 10.10 am FINISHED 10.45 am ASSAY LAB Cl. Comlab P/O N° 1538

Newmont Australia Limited

DRILL LOG

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PROJECT NT30 AZIMUTH 360 DRILL RIG Comco

HOLE N°: 24/08 11324 N 8816 E PROSPECT C24 DECLINATION -60 GEOLOGIST R Wall

Hammer bit.

DEPTH FROM	TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY					ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t					Composite Cu ppm	Composite Bi ppm
0	1	br		h	w	C	z	s									Soil		Hamm			1051							
1	2	br		h	w	C	z	s									Soil + gravel.			1054	<0.01	1052							
2	3	yl		h	w	P	s	P									highly weath, bleached slst?					1053							
3	4	yl		h	w	P	s	P									" " " + tr pyrolusite?					1054						18	<10
4	5	yl		h	w	P	s	P									" " " "					1055							
5	6	yl		h	w	P	s	P									" " " , hr silicrete			1058	<0.01	1056							
6	7	gr		m	w	P	s	P								silic.	Grey + yl (blchd) slst, cherty					1057							
7	8	yl		h	w	P	s	P									blchd nontronitic slst.					1058						14	<10
8	9	br		m	w	P	s	C		P	s	P			Silic		br cherty slst, grey ind. slst, nontronitic					1059							
9	10	gr		m	w	P	s	P		P	s	C			"		grey blchd, weath slst, dk gr cherty slst					1060							
10	11	gr		m	w	P	s	P									grey indurated slst, 20% blchd-nontr			1062	<0.01	1061							
11	12	gr		m	w	P	s	P									" " " "					1062						5	40
12	13	gr		m	w	P	s	Y									" " " 10% blched nontr yl.					1063							
13	14	gr		S	w	P	s	P									" " " , banded			1066	<0.01	1064							
14	15	gr		S	w	P	s	P									" " "					1065							
15	16	gr		S	w	P	s	P	s						Silic		" " " , siliceous, hr gtz					1066						3	<10
16	17	gr		F		P	s	P	s						"		grey cherty slst, v siliceous					1067							
17	18	bl		F		P	s	P	s						"		black silic sh, tr gtz			1070	<0.01	1068							
18	19	bn		F		P	s	C	=	P	s	P	s		"		" " " , or blched chert, mn brec					1069							
19	20	gr		F		P	s	C		P	s	P	s		"		grey + or (blchd) cherty shale lam, mn brec					1070						4	<10
20	21	gr		F		P	s	C							"		or grey blchd chert, lam, mn breccia					1071							
21	22	br		F		P	s	C							"		" " cherty blchd sh lam, mn. brec			1074	<0.01	1072							
22	23	gr		m	w	P	s	P							"		grey ind. slst, lam, part. silic, 2% gtz					1073							
23	24	gr		m	w	P	s	P							"		grey ind. slst, + weath bl. or s/s.					1074						3	<10

TIME STARTED 11.30 am. FINISHED 12.50 pm

ASSAY LAB CL Lonlab P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 2/3

PROJECT NT 30 AZIMUTH 360° DRILL RIG Gemco

HOLE N°: 27/08 11324 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
24	25	g	r	M	W	P	S	C		P	S	P		silic		grey, pk banded blchd brecc chert, or. weathly.					1075			
25	26	O	r	M	W	P	S	C		P	S	P		"		or. blchd banded chert, or weathly slst			1078	<0.01	1076			
26	27	O	W	M	W	P	S	C		P	S	P		"		" " " " " " " tr non v.					1077			
27	28	O	r	M	W	P	S	C						"		Or+wh " " " " tr " " "					1078		<2	<10
28	29	O	r	S	W	P	S	C								" " " " " " tr " " tr non v					1079			
29	30	W	n	S	W	P	S	C								wh+or " " " " mn brecc			1082	<0.01	1080			
30	31	g	n	S	W	P	S	C		P	g					gn mod. blchd. chert. 40% pk pegmatite					1081			
31	32	O	r	F		P	g			P	g					wh, or, pk qtz fld-mod pegmatite					1082		3	<10
32	33	O	r	F		P	g									" " " " " " "					1083			
33	34	O	r	F		P	g									" " " " " " "					1084			
34	35	P	K	F		P	g									pk, or, wh " " " "			1086	<0.01	1085			
35	36	O	r	F		P	g									" " " " " " "					1086		3	<10
36	37	O	r	F		P	g									" " " " " " "					1087			
37	38	g	n	M	W	P	S	P	S					silic		gn+or blchd silic. slst/ch					1088			
38	39	g	n	M	W	P	S	P	S							gn. blchd silic slst. , tr qtz.			1090	<0.01	1089			
39	40	P	K	S	W	P	g							silic.		pk+gy. silic slst / prob. granite?					1090		<2	<10
40	41	P	K	F	W	P	g									" " granite med. gr - fld, qtz					1091			
41	42	P	K	F	W	P	S									" " "					1092			
42	43	P	K	F	W	P	S									" " "			1094	<0.01	1093			
43	44	P	K	F	W	P	S									" " "					1094		<2	<10
44	45	P	K	F	W	P	S									" " "					1095			
45	46	P	K	F		P	S									" " "					1096			
46	47	P	K	F		P	g									" " "			1095/97	<0.01	1097			
47	48	P	K	F		P	g									" " "					1098		<2	<10

TIME STARTED 11:30 am FINISHED 12:50 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 3 / 3

PROJECT ⊠T30 AZIMUTH 360 DRILL RIG Gengo

DLE N°: 24/08 11324 N 8816 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t
.8	49	p	F	Pg				pk+gr. granite					1099	
								EOH 49m.			11099 (5m)	<0.01		

TIME STARTED 11.30 am FINISHED 12.50pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 1/3

PROJECT NT30 AZIMUTH 360 T DRILL RIG Gemco

HOLE N°: 24/09 11200 N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
0	1	y l	h w	C z f				Calcrete – from weath. slst.		Blade	1103	<0.01	1100			
1	2	g r	h w	P s P				pl-grey green weath slst., both indurated, clays					1101			
2	3	g r	h w	P s P				" " " " " "					1102			
3	4	g r	m w	P s P				" " " " " "					1103		<2	<10
4	5	g r	h w	P s P				grey indurated slst c̄ red clays.			1107	<0.01	1104			
5	6	g r	m w	P s P				grey weath slst.					1105			
6	7	g r	m w	P s P				" " "					1106			
7	8	g r	m w	P s P				" " "					1107		<2	<10
8	9	g r	m w	P s P				" " "			1111	<0.01	1108			
9	10	y l	m w	P s P				Yellow " "					1109			
10	11	g r	m w	P s P				grey indurated slst.					1110			
11	12	g r	m w	P s P				" " "					1111		<2	<10
12	13	[illegible] r	m w	P s P				" " "			1115	<0.01	1112			
13	14	g r	m w	P s P				" yl (weath) " "					1113			
14	15	g r	h w	P s P		kaolin		grey kaolinitic weath slst.					1114			
15	16	g r	h w	P s P		"		" " " "					1115		<2	<10
16	17	g r	h w	P s P		"		" " " "			1119	<0.01	1116			
17	18	g r	h w	P s P		"		" " " "					1117			
18	19	g r	h w	P s P	C z i	"		" " " " +40% silcrete					1118			
19	20	g r	h w	P s P		"		" " " "					1119		<2	<10
20	21	g r	h w	P s P		"		" " " "			1123	<0.01	1120			
21	22	g r	h w	P s P		" ~100%		" " " "					1121			
22	23	g r	h w	P s P		" "		" " " "					1122			
23	24	g r	h w	P s P		"		" " " "					1123		<2	<10

TIME STARTED 2.00pm FINISHED 2.45pm ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 31/5/89 PAGE N° 2/3

PROJECT NT30 AZIMUTH 360 DRILL RIG Geco

DLE N°: 24109 11200 N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
24	25	gr	hw	ps	p	kaolin		grey kaolinitic weath slst.		Blade	1127	<0.01	1124			
25	26	gr	mw	ps	p	"		" " " + indurated slst					1126			
26	27	gr	mw	ps	p	"		" " " " " "					1126			
27	28	gr	mw	ps	p	"		" " " " " "					1127		<2	<10
28	29	gr	mw	ps	p			grey indurated slst.			1131	<0.01	1128			
29	30	gr	mw	ps	p			" " "					1129			
30	31	gr	mw	ps	p			" " " , tr norite					1130			
31	32	gr	mw	ps	p			" " "					1131		<2	<10
32	33	gr	hw	ps	p	kaolin		grey kaolinitic weath slst			1135	<0.01	1132			
33	34	gr	hw	ps	p	"		" " " "					1133			
34	35	gr	hw	ps	p	"		" " " " , tr norite					1134			
35	36	gr	hw	ps	p	"		" " " " "					1135		<2	<10
36	37	gr	hw	ps	p	"		" " " "			1139	<0.01	1136			
37	38	gr	hw	ps	p	"		" " " " , tr norite					1137			
38	39	gr	hw	ps	p	"		" " " " "					1138			
39	40	gr	hw	ps	p	"		" " " " "					1139		<2	<10
40	41	gr	hw	ps	p	"		" " " " "			1143	<0.01	1140			
41	42	gr	hw	ps	p	"		" " " " "					1141			
42	43	gr	hw	ps	p	"		" " " " tr norite					1142			
43	44	gr	hw	ps	p	"		" " " " "					1143		<2	<10
44	45	gr	hw	ps	p	"		" " " " "			1147	<0.01	1144			
45	46	gr	hw	ps	p	"		" " " " "					1145			
46	47	gr	hw	ps	p	"		" " " " "					1146			
47	48	gr	hw	ps	p	"		" " " " "					1147		<2	<10

TIME STARTED 2.00 pm FINISHED 2.45pm ASSAY LAB P/O N°

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Newmont Australia Limited

DRILL LOG

DATE 29/5/87 PAGE N° 3/3

PROJECT NT30 AZIMUTH 360° DRILL RIG Geneo

HOLE N°: 24/09 11200 N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY			SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t				Composite Cu ppm	Composite Bi ppm
48	49	g	r	m	w	f	s	p							grey, greenish indurated s/st, tr horn.					1148						
49	50	g	r	m	w	f	s	p							grey indurated s/st, tr horn/qtz			1151	<0.01	1149						
50	51	g	r	m	w	f	s	p							" " " " "					1150						
51	52	g	r	m	w	f	s	p							" " " " "					1151					<2	<10
52	53	g	r	m	w	f	s	p							" " " 10% horn					1152						
53	54	g	r	m	w	f	s	p							" " " " tr qtz			1155	<0.01	1153						
54	55	g	r	m	w	f	s	p							" " " 20% horn					1154						
55	56	g	r	m	w	f	s	p					silic		" " " bleached → plg.					1155					<2	<10
															EOH 56m.											

TIME STARTED 2.00 pm FINISHED 2.45 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 1 / 3

PROJECT NT 30 AZIMUTH 360° DRILL RIG Geneo

HOLE N°: 24/10 11228 N 8966 E PROSPECT C24 DECLINATION -60° GEOLOGIST R.Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Cu ppm	Bi ppm
0	1	gn	hw	L				Olive-gn weath. lamprophyre.		blade	1155	<0.01	1156			
1	2	gn	hw	L				" " " + 70% clayey nontronite					1157			
2	3	gn	hw	L				" " " + 80% nontronite					1158			
3	4	gr	mw	P	S	P		grey-br siliceous (cherty) s/st					1159		20	<10
4	5	gr	mw	P	S	P		" " " massive			1163	<0.01	1160			
5	6	gr	mw	P	S	P		grey, part indurated, part weath s/st.					1161			
6	7	gr	mw	P	S	P		grey indurated s/st, tr north					1162			
7	8	gr	mw	P	S	P		" " " " "					1163		5	<10
8	9	gr	mw	P	S	P		" " " " "			1167	<0.01	1164			
9	10	gr	mw	P	S	P		" " " 5% "					1165			
10	11	gr	mw	P	S	P		" " more weath " , tr nontr.					1166			
11	12	gr	mw	P	S	P		grey indurated s/st.					1167		<2	<10
12	13	gr	mw	P	S	P		" " "			1171	<0.01	1168			
13	14	gr	mw	P	S	P		" " " (getting harder)					1169			
14	15	gr	mw	P	S	P		" " " , tr nontronite					1170			
15	16	gr	mw	P	S	P		grey-green " "					1171		3	<10
16	17	gr	mw	P	S	P		grey, indurated part silic s/st, tr nontr.			1175	0.02	1172			
17	18	gr	mw	P	S	P		" " " " " "					1173			
18	19	gr	hw	P	S	P	kaolin.	grey weath s/st.					1174			
19	20	gr	hw	P	S	P	" ~90%	" " "					1175		<2	<10
20	21	gr	hw	P	S	P	"	" " " , tr silicate			1179	<0.01	1176			
21	22	gr	mw	P	S	P		" " " (getting harder)					1177			
22	23	gr	mw	P	S	P		" " "					1178			
23	24	gr	mw	P	S	P		" " " tr nontronite					1179		<2	<10

TIME STARTED 3.15 pm FINISHED 4.10 ASSAY LAB Cl. Comlabs P/O N° 1538

DRILL LOG

Newmont Australia Limited

DATE 29/5/89 PAGE N° 2 / 3

PROJECT NT30 AZIMUTH 360 DRILL RIG Gemco

HOLE N°: 2410 11228 N 8766 E PROSPECT C24 DECLINATION 60 GEOLOGIST R. Wall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT KG	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Lu ppb	Composite Bi ppb
24	25	gy	mw	fsp		silic.		Grey indurated (siliceous) slst, tr nontr.			1183	0.02	1180			
25	26	gy	mw	fsp				grey weath slst.					1181			
26	27	gy	mw	fsp				" " " , tr nontronite					1182			
27	28	gy	mw	fsp		silic		Grey indurated slst, tr nontr					1183		<2	<10
28	29	gy	mw	fsp		"		" " " " "			1187	<0.01	1184			
29	30	gy	mw	fsp				" " " , part weath, less silic					1185			
30	31	gy	mw	fsp				" " "					1186			
31	32	gy	mw	fsp		[redacted]		" " [redacted] " 5% nontronite					1187		<2	<10
32	33	gy	mw	fsp				Yl indurated slst, tr qtz			1191	<0.01	1188			
33	34	gy	mw	fsp				grey " " , tr nontronite					1189			
34	35	gy	mw	fsp				grey-br " " " "					1190			
35	36	gy	mw	fsp		Kaolin ~90%		grey kaolinitic weath slst					1191		<2	<10
36	37	gy	mw	fsp		" ~90%		" " " " , tr nontr.			1195	<0.01	1192			
37	38	gy	mw	fsp				" sl less weath slst. still kaolinitic					1193			
38	39	gy	mw	fsp				Partly indurated grey slst, mn orchoty bands					1194			
39	40	gy	mw	fsp				" " " " , tr nontronite					1195		<2	<10
40	41	gy	mw	fsp		silic		green-grey silic ind. slst, 5% qtz			1199	<0.01	1196			
41	42	gy	mw	fsp		"		" " " " , nontronite					1197			
42	43	gy	mw	fsp				grey indurated slst, 20% nontronite					1198			
43	44	gy	mw	fsp				green highly weath, nontr. clays + qtz					1199		<2	<10
44	45	gy	mw	fsp				grey weath slst.			1203	<0.01	1200			
45	46	gy	mw	fsp		kaolin		grey kaolinitic ~80% weath slst					1201			
46	47	gy	mw	fsp		"		" " ~90% " "					1202			
47	48	gy	mw	fsp				grey less weath slst, tr nontronite					1203		<2	<10

TIME STARTED 3.15 pm FINISHED 4.10 pm

ASSAY LAB U. Geotechs P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 29/5/89 PAGE N° 3 / 3

PROJECT NT30 AZIMUTH 360 T DRILL RIG Geneo

OLE N°: 24/10 11228 N 8766 E PROSPECT C24 DECLINATION -60 GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t				Composites Cu ppm	Composites Bi ppm
48	49	g	r	m	w	p	s	p								Grey-gn indurated s/st (some kaolin), 5% non/v			1207	<0.01	1204						
49	50	g	r	m	w	p	s	p								" " " " " "					1205						
50	51	g	r	m	w	p	s	p								" " " " " , 2% non/v					1206						
51	52	yl	r	m	w	p	s	p						silic		yl ~~indurated~~ silic s/st, 20% non/v, 2% q/z					1207					3	410
52	53	br	r	F		p	g									br-yl + wh pegmatite (predom qtz + feld: tr)			1211	<0.01	1208						
53	54	wh	r	F		q				p	s	p				Qtz, 5% ~~sandstone~~ gy-gn weath s/st					1209						
54	55	yl	r	m	w	p	s	p		q						yl weath s/st, 20% q/z, tr non/v minerals					1210						
55	56	gn	r	m	w	p	s	p						silic		Gn silic s/st, 10% q/z					1211					35	410
56	57	wh	r	~~F~~ m	w	q				p	s	p				Qtz vein (80%), mn yl weath s/st			1215	<0.01	1212						
57	58	wh	r	F		q				p	s	p				" " " " "					1213						
58	59	br	r	s	w	p	s	p	s					silic		pl br + gy blchd silic s/st					1214						
59	60	gy	r	s	w	p	s	p	s					"		gy silic banded ~~(chert-bg)~~ s/st					1215					22	950
																EOH 60m.											

TIME STARTED 3:15pm FINISHED 4:10 ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 3/5/89 PAGE N° 1 / 3

PROJECT NT 30 AZIMUTH 360° DRILL RIG Geneo

HOLE N°: 24/11 11258 N 8766 E PROSPECT C24 DECLINATION -60 GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	yl	hw	P s P				yl weath. slst → surface capping.					1216			
1	2	yl	hw	P s P				" " " " "			1219	<0.01	1217			
2	3	gn	hw	L		silic		lamprophyre					1218			
3	4	gn	hw	L		sericite		"					1219		13	40
4	5	gn	hw	L		"		"					1220			
5	6	gn	hw	L		"		" ± red clayey coating			1223	<0.01	1221			
6	7	gn	hw	L		"		" " " " "					1222			
7	8	gn	hw	L		silic		"					1223		18	18
8	9	br	mw	P s P	C Z L	"		Indurated br. slst + silcrete					1224			
9	10	gn	mw	P s P				" gn+br "			1227	<0.01	1225			
10	11	br	mw	P s P				" br+gn "					1226			
11	12	br	mw	P s P				" " " "					1227		3	40
12	13	gr	mw	P s P				" gr+yl "					1228			
13	14	gr	mw	P s P				" " " "			1231	<0.01	1229			
14	15	gr	mw	P s P				Grey indurated slst, tr qtz					1230			
15	16	gr	hw	P s P		Kaolin 20%		Grey leucocratic weath. slst, tr carbonate					1231		3	10
16	17	gr	mw	P s P				Grey indurated slst, tr carbonate					1232			
17	18	gr	mw	P s P		40% Kaolin		" " (part kaol'd)" " "			1235	<0.01	1233			
18	19	gr	mw	P s P				" " " , tr qtz					1234			
19	20	gr	mw	P s P				" " " , tr qtz, carbonate					1235		3	40
20	21	gr	mw	P s P				" " " " "					1236			
21	22	gr	mw	P s P				Grey, yl → bleached carbonate slst.			1239	<0.01	1237			
22	23	gr	mw	P s P				Grey indurated slst, tr carbonate + qtz					1238			
23	24	or	mw	P s P		silic.		Or silic slst, thin qtz, + 40% green op. alt slst					1239		3	14

TIME STARTED 7 45 FINISHED 8 45

ASSAY LAB Cl. Contacts P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 2 / 3

PROJECT NT30 AZIMUTH 360° DRILL RIG Gemco.

DLE N°: 24/11 11258 N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
24	25	gy r	ss w	P s P s		silic		Grey-brown silicified slst.			1243	<0.01	1240			
25	26	gy r	m w	P s P				Grey ind. slst, some silic, tr qtz-ep					1241			
26	27	gy r	m w	P s P				Grey ind veined slst, tr xenotime					1242			
27	28	gy r	k w	P s P		kaolinised		Grey weath-kaolinised slst, tr xenotime					1243		<2	40
28	29	gy r	h w	P s P		"		" " " " " " +qtz			1247	<0.01	1244			
29	30	gy r	h w	P s P		"		" " " " " "					1245			
30	31	gy r	h w	P s P		"		" " " " " Hin br. silicified (silic slst)					1246			
31	32	gy r	h w	P s P		"		" " " " " " +qtz					1247		3	40
32	33	gy r	h w	P s P		"		" " " " " +~30% br. silicified slst					1248			
33	34	br r	m w	P s P s				Br silicified slst, 10% qtz veins + kaolin			1251	<0.01	1249			
34	35	w h	m w	P + P	P s P			Qtz vein + kaolin'd slst.					1250			
35	36	gy r	k w	P s P		kaolin		weath. grey (kaol.) slst, 1% qtz, tr xenotime					1251		3	40
36	37	gy r	m w	P s P				Grey ind. slst, tr qtz + xenotime					1252			
37	38	br r	ss w	P s P s		silic		Br silicified slst + qtz (tr) + tr xenotime			1255	0.03	1253			
38	39	br r	m w	P s P s	P s P	"		" " " " + ~50% kaol. weathered slst					1254			
39	40	br r	m w	P s P s		"		" " " " + qtz + xenotime					1255		<2	40
40	41	w h	m w	Q	R s P	"		Qtz veining ~60%, weath xenotime (kaol) slst					1256			
41	42	O r	m w	P s P s	P s P	"		Or silic slst, yl. xenotime weathered slst, 2% qtz			1259	<0.01	1257			
42	42	O r	m w	P s P s	P s P	"		" " " " clay infect., " " " " Tr qtz					1258			
43	44	gy l	m w	P s P	P s P s	"		yl. ind. slst, Or silic slst, tour, qtz					1259		<2	40
44	45	Gn m	m w	P s P		ep		Gn ep(?) alt slst, silic, 10% qtz			1243	<0.01	1260			
45	46	gy m	m w	P s P				Gn weath slst, tr qtz					1261			
46	47	br r	m w	P s P s		silic		Br silic slst/siltstone					1262			
47	48	br r	m w	P s P s	P s P	" + ep		" " " , grn ep alt. slst					1263		<2	40

TIME STARTED 7.46 am FINISHED 8.45 am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 3/5

PROJECT NT30 AZIMUTH 360 DRILL RIG Geneo

OLE N°: 24/11 11258. N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu	Composites Bi
48	49	br	r	m	w	P	s	p	s	P	s	p		silic / ep		br-gn silic silst, gn ep altered slst			1268				
49	50	br	r	m	w	P	s	p	s	P	s	p		" "		" " " " " " , tr gk			1265				
50	51	br	r	m	w	P	s	p	s					silic		br-gn silic. slst			1266				
51	52	br	r	m	w	P	s	p	s					"		" -or " " , tr ep gk			1267				
52	53	br	r	m	w	P	s	p	s					"		" " " " , tr gk			1268		3	410	
																EOH 53m.							

TIME STARTED 7.45 FINISHED 8.45 ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE Nº

PROJECT NT30 AZIMUTH 360 DRILL RIG Gonc.

HOLE Nº: C24/12 11284 N 8766 E PROSPECT C24 DECLINATION -60° GEOLOGIST RW

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t
0	1	b r	h w	C z s				Brown soil			1272	<0.01	1269	
1	2	W h	h w	P s s	C z s			Wh. indurated ~~weath~~ blchd slst. (capping?), soil					1270	
2	3	g n	h w	P s s				gn " " "					1271	
3	4	g n	h w	P s s				gn " " "					1272	
4	5	g n	h w	P s s	P s s h			" " " + weath blchd hem ss			1276	<0.01	1273	
5	6	g n	h w	P s s				" " " " + tr " " "					1274	
6	7	r d	h w	P s s h	P s s			rd-br weath hem sst., +30% blchd gns.					1275	
7	8	r d	h w	P s s h	P s s			" " " " , " " "					1276	
8	9	r d	h w	P s s h	P s s			" " " " " " "			1280	<0.01	1277	
9	10	g n	h w	P s s	P s s h			Predom. gn blchd sst, some rd hem sst.					1278	
10	11	b r	m w	P s s s	P s p			br silic sst, + gp. all. sh					1279	
11	12	g n	h w	L				gn + br weath lamprophyre., tr ep.					1280	
12	13	g n	h w	L		chlor.		gn weath lamprophyre			1284	<0.01	1281	
13	14	g n	h w	L		"		" " "					1282	
14	15	g n	h w	L		ep?/nontr?		" " "					1283	
15	16	g n	h w	L		"		" " "					1284	
16	17	g n	m w	P s s				Pl. Gn (chloritized?) sst, 2% qtz			1288	<0.01	1285	
17	18	g n	m w	P s s	P s p			" " " , 40% grey ind. slst, tr qtz					1286	
18	19	g r	m w	P s p				Grey indurated slst, gn ind. slst					1287	
19	20	g r	m w	P s p				Grey-gn. " "					1288	
20	21	g r	m w	P s p				" " "			1292	<0.01	1289	
21	22	g r	m w	P s p				Grey " " , tr nontr.					1290	
22	23	g n	h w	P s r				gn nontr. slst, mn silcrete					1291	
23	24	g n	h w	P s p				" " " , 10% qtz					1292	

TIME STARTED 9.10 am. FINISHED 10am.

ASSAY LAB Cl. Comlabs P/O Nº 1538

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 2

PROJECT NT30 AZIMUTH 360 DRILL RIG Gemco

HOLE N°: 24/12 11284 N 8766 E PROSPECT C24 DECLINATION -60 GEOLOGIST R. Wa

DEPTH FROM	DEPTH TO	COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY				ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t
24	25	g	m	m	w	ℓ	s	p		ℓ	s	p	s	silic		gn ind. slst (mont ic), br silic slst, sl qtz			1296	<0.01	1293	
25	26	br	r	m	w	ℓ	s	p	s	ℓ	s	p		silic		br silic slst, gn ind slst, sl qtz					1294	
26	27	g	m	m	w	ℓ	s	p						chlor?		dk gn ind slst					1295	
27	28	g	r	m	w	ℓ	s	p								grey " " + 10% gn (pl.) mont? sl.					1296	
28	29	g	r	m	w	ℓ	s	p								" " " + 5% " "			1300	<0.01	1297	
29	30	br	r	s	w	ℓ	s	p	s					silic		br silic slst.					1298	
30	31	g	r	m	w	ℓ	s	p								grey ind weathered slst, tr mont + qtz					1299	
31	32	g	r	m	w	ℓ	s	p								" " " " "					1300	
32	33	g	r	m	w	ℓ	s	r								" " " " "			1305	<0.01	1301	
33	34	g	r	m	w	ℓ	s	p	s					silic		" " " , siliceous					1302	
34	35	g	r	m	w	ℓ	s	p	s					-		" " " "					1303	
35	36	g	r	m	w	ℓ	s	p		ℓ	s	s	h			" " " , + 5% br hem sst					1304	
36	37	br	r	s	w	ℓ	s	p	s					silic		br + pk silic slst, mn. brec ? qtz.					1305	
																EOH 37m.						

TIME STARTED 9-10am FINISHED 10am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 1 / 2

PROJECT N730 AZIMUTH 360 DRILL RIG Clemco

HOLE N°: 24/13 11302 N 8764 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
	1	br	hw	C z s				Soil, tr qtz					1308			
	2	gn	hw	P s P	C z S			highly alt. gn. weathslst.? +soil			1309	<0.01	1306			
	3	gn	hw	P s P				gn chlor'd slst. +wh bleached slst					1307			
	4	wh	hw	P s P				Wh. bleached victurated slst.					1309		11	<10
	5	pk	mw	P s P				pk " " "			1313	<0.01	1310			
	6	gn	mw	P s P				pl. gn " " "					1311			
	7	gn	mw	P s P				" " " " +mn br slst					1312			
	8	br	mw	P s P		silic		br+or silic slst + 30% bleached pl. gn slst					1313		4	40
	9	gr	mw	P s P				Grey unbleached slst, 5% montr.			1317	<0.01	1314			
	10	pk	sw	P g				qtz-ortho-pegm Pk granite/pegmatite (med gr.)					1315			
0	11	gr	mw	P s P	P g			Grey mic slst., tr. pk granite					1316		,	
1	12	gr	sw	P s P s		silic		" " ", 5% pk silic bands					1317		3	40
2	13	br	sw	P s P s		"		Brown " " " " ", tr mont			1321	<0.01	1318			
3	14	br	sw	P s P s		"		" " " " " " 5% "					1319			
4	15	gn	hw	L		Chlor'		gn-br weath lamprophyre,					1320			
5	16	gn	hw	Q e				Qtz - ep. vein					1321		18	<10
6	17	gn	mw	P s P				Bleached pl. gn slst + ind. gr slst, 10% qtz			1325	<0.01	1322			
7	18	gn	mw	P s P				" " " " " "					1323			
8	19	gn	sw	P s P s		silic.		pl. gn + rd bleached, silic. slst. tr qtz					1324			
9	20	gn	sw	P s P >		"		" " " " " ", v. thin qtz vein					1325		4	<10
0	21	gn	sw	P s P s		"		" " " " " " 10% qtz			1329	<0.01	1326			
1	22	gn	sw	P s P s		"		Pale green " " " ", 10% qtz					1327			
.2	23	gn	sw	P s P s		"		" " +plor " " ", 5% qtz					1328			
.3	24	gr	mw	P s P				Grey unbleached slst, tr pr silic stgr					1329.		3	40

TIME STARTED 10.25 FINISHED 11am ASSAY LAB CL. Comlabs P/O N° 1538

DRILL LOG

Newmont Australia Limited

DATE 30/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH 360 DRILL RIG Comeo

HOLE N°: 24/13 11302 N 8764 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Watt

DEPTH M	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
	25	gr	mw	fs p				Grey indurated slst, fr nontronitic			1333	<0.01	1330			
	26	gr	mw	fs p				" " " " "					1331			
	27	gr	mw	fs p				" " "					1332			
	28	gr	mw	fs p				" " " , fr nontronitic					1333		<2	<10
	29	gr	mw	fs p				" " " , qtz. silic. veins			1337	<0.01	1334			
	30	gr	mw	fs p				" " " , fr. nontr.					1335			
	31	gr	mw	fs p				" " " " "					1336			
	32	gr	mw	fs p		part silic'd		" " " , part. silic.					1337		<2	<10
	33	gr	mw	fs p		"		" " " , fr nontr.			1340	<0.01	1338			
	34	gr	mw	fs p		"		" " " " "					1339			
	35	gr	mw	fs p		silic		" " " " "					1340		<2	40
	35							EOH 35m								

TIME STARTED 10.25am FINISHED 11am ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 30/5/89 PAGE Nº 1/2

PROJECT NT 30 AZIMUTH 360 DRILL RIG Gemco

HOLE Nº: 24/14 11319 N 8764 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	br	hw	Czs				Soil.			1344	<0.01	1341			
1	2	br	hw	Czs				"					1342			
2	3	gn	hw	Psp?				Plgn v. weath slst?, lim coating					1343			
3	4	gn	hw	Psp?				" " " "					1344		9	<10
4	5	gn	hw	Psp				" " ", + 5% gr ind. slst.			1348	<0.01	1345			
5	6	br	mw	Psps		silic		pl. br silicious slst, tr qtz					1346			
6	7	gr	sw	Psps	Czi?	"		dk gr-br silic. slst / silcrete.					1347			
7	8	gr	sw	Psps	Czi	"		" " " " "					1348		4	<10
8	9	br	sw	Psps		"		pl. br blchd silic slst			1352	<0.01	1349			
9	10	gr	sw	Psps		"		dk gr ind. slst + pl br blchd silic slst 20% nont					1350			
10	11	gr	sw	Psps		"		Blchd gr silic slst, 5% qtz + nontr					1351			
11	12	gr	sw	Psps		"		" " " " + dk gr. silic slst.					1352		4	<10
12	13	gr	sw	Psps		"		" " " " " " " - brecc. tr nont.			1356	<0.01	1353			
13	14	gr	sw	Psps		"		" " " " " " " "					1354			
14	15	gr	mw	Psp				Grey indurated slst, tr qtz + nontr					1355			
15	16	gr	sw	Psps		silic		Grey silic slst c̄ qz silic veins					1356		<2	<10
16	17	gr	sw	Psps		"		" " " " + tr nontr qtz			1360	<0.01	1357			
17	18	gr	sw	Psps		"		" " " " " " "					1358			
18	19	gr	sw	Psps		"		" " " " " " "					1359			
19	20	br	hw	L	Psp	chlor.		Br weath lamprophyr., tr ind gr slst					1360		14	<10
20	21	br	hw	L	Psp	"		" " ", Plgr ind. nontr. clay			1364	<0.01	1361			
21	22	gr	mw	Psp				Grey indurated slst.					1362			
22	23	gr	sw	Psps		silic		Grey silic slst c̄ qz. silic veins					1363			
23	24	gr	sw	Psps		"		" " " " " "					1364		4	<10

TIME STARTED 11.25am FINISHED 12.00pm

ASSAY LAB Cl. Contacts P/O Nº 1538

DRILL LOG

Newmont Australia Limited

DATE 30/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH 360 DRILL RIG Genco

HOLE N°: 24/14 11319 N 8764 E PROSPECT C24 DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
24	25	g r	F [illegible]	P s p s		silic		Grey silic slst c̄ or alt. silic slst zones			1368	<0.01	1365			
25	26	g r	F [illegible]	P s p s		"		" " " " " " " "					1366			
26	27	g r	Fs [illegible]	P s p s		"		" " " " " " " "					1367			
27	28	g r	F [illegible]	P s p s		"		" " " " " " " . tr montr + gtz					1368		3	40
28	29	p k	F [illegible]	P s p s		"		Pk blchd silic slst, mn. gr silic slst.			1372	<0.01	1369			
29	30	p k	F	P s p s	L (prob contam).	"		" " " " + 5% haep. + fine qtz veins					1370			
30	31	p k	F	P s p s		"		" " " " , " " "					1371			
31	32	p k	S w	P s p s		"		" " " " , + gr slst c̄ ep(?)					1372		4	<10
32	33	p k	S w	P s p s		"		" " " " " "			1376	<0.01	1373			
33	34	p k	S w	P s p s		"		" " " " " "					1374			
34	35	g r	S w	P s p s		"		Grey silic slst c̄ montr, + 10% pk or silic slst.					1375			
35	36	g r	S w	P s p s		"		" " " " " " " "					1376			
36	37	gr	F [illegible]	P s p s		"		Or silic (blchd) slst, 2% gr. silic slst.			5m		1377		<2	<10

EOH 37m

TIME STARTED 11.26am FINISHED 12.05pm ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited
@ 76489 BLEG.

DATE 30/5/89 PAGE Nº 1 / 4

PROJECT NT30 AZIMUTH 3E DRILL RIG Genco

HOLE Nº: 24/15 N E PROSPECT C24. DECLINATION -60° GEOLOGIST Rutall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	r d	m w	l s p h				Red heav. weath slst.			1381	<0.01	1378			
1	2	r d	m w	l s p h				Rd/yl " " "					1379			
2	3	r d	m w	l s p h				" " " " "					1380			
3	4	p u	m w	l s p h				Purple " " "					1381		3	<10
4	5	r d	h w	l s p h		kaolin		Rd+Pu " v. " "			1385	<0.01	1382			
5	6	r d	h w	l s p h		"		" – " " " "					1384			
6	7	r d	h w	l s p h		"		" " " " ", tr qtz					1383			
7	8	r d	h w	l s p h		"		" " " " "					1385		<2	<10
8	9	r d	h w	l s p h		" ~100%		" " " " "			1389	<0.01	1387			
9	10	r d	h w	l s p h		" "		Rd, pu, yl " " " "					1386			
10	11	r d	h w	l s p h		" "		~100% kaolin. (red).					1388			
11	12	r d	h w	l s p h		" "		Rd. pu yl heav. weath slst, tr contorted					1389		4	<10
12	13	r d	h w	l s p h		" "		" " " " " "			1393	<0.01	1390			
13	14	r d	h w	l s p h		" "		Rd heav weath slst, tr qtz					1391			
14	15	r d	m w	l s p h		"		" mod " ", 2% qtz					1392			
15	16	r d	h w	l s p h		" ~100%		Rd, yl, purple " " .					1393		8	<10
16	17	r d	h w	l s p h		" "		Rd " "			1397	<0.01	1394			
17	18	r d	h w	l s p h		" "		" " ", tr qtz					1395			
18	19	r d	h w	l s p h		" "		" " "					1396			
19	20	r d	h w	l s p h		" "		Rd " " "					1397		<2	<10
20	21	r d	h w	l s p h		"		" " "			1401	<0.01	1398			
21	22	r d	h w	l s p h		"		Rd weath slst, thin Fe rich (lim) lyrs.					1399			
22	23	r d	h w	l s p h		" ~100%		" " " . tr qtz					1400			
23	24	r d	h w	l s p h		"		" " "					1401		<2	<10

TIME STARTED 2.10 pm FINISHED 3.25pm

ASSAY LAB

P/O Nº

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 2 / 4

PROJECT NT30 AZIMUTH DRILL RIG Gemco

HOLE N°: 24/15 N E PROSPECT C24 (Sth) DECLINATION -60° GEOLOGIST RWall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t				Composite Cu ppm	Composite Bi ppm
24	25	Rd	hw	Ps ph		kaolin ~100%		Rd heav weath ham Stst			1405	<0.01	1402						
25	26	Rd	hw	Ps ph		" "		" " " " " tr qtz					1403						
26	27	Rd	hw	Ps ph		" "		Rd " " " " "					1404						
27	28	Rd	hw	Ps ph		" "		" " " " "					1405					<2	<10
28	29	Rd	hw	Ps ph		" "		" " " " " ~5% qtz			1409	<0.01	1406						
29	30	Rd	hw	Ps ph		" "		" " " " "					1407						
30	31	Rd	hw	Ps ph		" "		" " " " "					1408						
31	32	Rd	hw	Ps ph		" "		" " " " " tr qtz					1409					<2	<10
32	33	Rd	hw	Ps ph		" "		" " " " "			1413	<0.01	1411						
33	34	Rd	hw	Ps ph		"		" " " " "					1412						
34	35	Rd	hw	Ps sh		"		largely kaol^d, thin band weath hem sst					1410						
35	36	Rd	hw	Ps ph		" ~100%		Rd heav. weath hem stst					1413					<2	<10
36	37	Rd	hw	Rs ph		" "		" " " " "			1417	<0.01	1414						
37	38	Rd	hw	Rs ph		" "		" " " " " ~2% qtz					1415						
38	39	Rd	hw	Rs ph		" "		" " " " " tr qtz					1416						
39	40	Rd	hw	Ps ph		" "		" " " " "					1417					<2	<10
40	41	Rd	hw	Ps ph		" "		" " " " "			1421	<0.01	1418						
41	42	Rd	hw	Ps ph		" "		" " " " " tr qtz					1419						
42	43	Rd	hw	Ps ph		" "		" " " " "					1420						
43	44	Rd	hw	Ps ph		" "		" " " " "					1421					<2	<10
44	45	Rd	hw	Ps ph		" "		" " " " "			1425	<0.01	1422						
45	46	Rd	hw	Ps ph		" "		" " " " " tr qtz					1423						
46	47	Rd	hw	Ps ph		" "		" " " " "					1424						
47	48	Rd	hw	Ps ph		" "		" " " " "					142[illegible]					<2	<10

TIME STARTED 2.10 FINISHED 3.25pm ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 20/5/89 PAGE N° 3 / 4

PROJECT NT30 AZIMUTH DRILL RIG Gemco

DLE N°: 24/15 N E PROSPECT C24 (SW) DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Comp Cu ppm	Comp Bi ppm
48	49	Rd	hw	Ps Pph		kaolin		hem. weath Rd+gr hem slst			1429	<0.01	1426			
49	50	Rd	hw	Ps Pph		"		" " " " "					1427			
50	51	Rd	hw	Ps Pph		"		" " " " "					1428			
51	52	Rd	hw	Ps Pph		"		" " " " " , tr mont.					1429		3	<10
52	53	Rd	hw	Ps Pph		"		" " " " "			1433	<0.01	1430			
53	54	Rd	hw	Ps Pph		"		" " " " "					1431			
54	55	br	hw	Ps Pph		"		" " Brown " "					1432			
55	56	brd	hw	Ps Pph		"		" " red " "					1433		30	<10
56	57	rd	hw	Ps Pph		"		Rd weath hem slst, f-Pgn blchd slst.			1437	<0.01	1434			
57	58	rd	hw	Ps Pph		"		" " " " "					1435			
58	59	rd	hw	Ps Pph		"		" " " " "					1436			
59	60	rd	hw	Ps Pph		"		" " " " " , tr pontonite					1437		28	<10
60	61	yl	hw	Ps Pp		"		yl + rd weath slst.			1441	<0.01	1438			
61	62	yl	mw	Ps Pp		"		yl. weath slst. part kaol'd					1439			
62	63	yl	mw	Ps Pp		"		yl + gr weath slst.					1440			
63	64	yl	mw	Ps Pp		"		" " " "					1441		28	<10
64	65	yl	mw	Ps Pp	L?	"		yl weath slst, tr br weath lamprophyre			1445	<0.01	1442			
65	66	rd	hw	Ps Pph		"		rd weath hem slst					1443			
66	67	rd	hw	Ps Pph		"		rd+yl " " "					1444			
67	68	rd	hw	Ps Pph				" " " " "					1445		36	<10
68	69	rd	hw	Ps Pph				rd-pu " " "			1449	<0.01	1446			
69	70	rd	hw	Ps Pph				rd-br " " "					1447			
70	71	rd	mw	Ps Pph				rd " " "					1448			
71	72	rd	mw	Ps Pph				rd+br " " " , tr qtz					1449		4	<10

TIME STARTED 2.10 pm FINISHED 3.25 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 4/4

PROJECT NT30 AZIMUTH DRILL RIG Ciemco

HOLE N°: 24/15 N E PROSPECT C24 (SW) DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
72	73	rd	hw	ps ph				rd, yl, brn weath hem slst.			1453	<0.01	14450			
73	74	br	hw	ps ph				br + gn " " "					1451			
74	75	gn	hw	ps p		chlor?		gn - weath slst.					1452			
75	76	gn	hw	ps p				gn + rd " "					1453		50	<10
76	79	pd	hw	ps ph				rd + gn " hem "			1457	<0.01	1454			
77	78	rd	hw	ps ph				" " " " "					1455			
78	79	rd	hw	ps ph				rd + gn " " "					1456			
79	80	rd	hw	ps p h	L?			rd hem slst + gn weath f.gr. lamprophyre					1457		20	<10
80	81	rd	hw	ps ph	L?			rd " " " " "			1461	<0.01	1458			
81	82	yl	hw	ps p				yl. weath slst.					1459			
82	83	gn	hw	h				dk gn weath lamprophyre					1460			
83	84	br	hw	h				br " "					1461		31	<10
84	85	br	hw	h				" " "			1463	<0.01	1462			
85	85½	gn	hw	ps p				gn gr weath slst.					1463		17	<10
								EOH 85½m. (damp ground)								

TIME STARTED FINISHED 3.25 ASSAY LAB P/O N°

Newmont Australia Limited
@ BLEG 76490

DRILL LOG

DATE 31/5/89 PAGE N° 1 /

PROJECT NT30 AZIMUTH DRILL RIG Geco

HOLE N°: 25|16 N E PROSPECT C24 (SE) DECLINATION −60° GEOLOGIST R. Wal

DEPTH FROM	TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Compo Cu ppm	B ppm
0	1	br	hw	CZS			brown soil.						1464			
1	2	yl	hw	PSP			yl. weath slst(?)				1467	<0.01	1465			
2	3	yl	hw	PSP			yl+gn " "						1466			
3	4	gn	hw	PSP			gn weath slst						1467		8	<1
4	5	gn	mw	PSPC		chlor?	gn foliated chloritic slst/sh						1468			
5	6	gn	mw	PSPC		"	" " " "	+lineation			1471	<0.01	1469			
6	7	gn	mw	PSPC		"	" " " "	"					1470			
7	8	gy	mw	PSP			gy " " "						1471		5	<1
8	9	rd	mw	PSP			rd+yl weath kaol. slst.						1472			
9	10	gn	hw	L		chlor.	weath gn chloritic lamprophyre.				1475	<0.01	1473			
10	11	or	hw	PSP			or. sericitic(?) weath slst.						1474			
11	12	gn	mw	PSPC		chlor.	gn-or chlor slst/sh ~~foliated~~ cleaved	cleavage					1475		14	<1
12	13	gn	hw	L		"	gn-or chloritic lamprophyre.						1476			
13	14	gn	mw	PSPC		"	pl. gn-or chlor. slst/sh.	- cleavage					1477			
14	15	gn	mw	PSPC		"	" " " "	-			1479	<0.01	1478			
15	16	gn	mw	PSPC		"	" " " "	"					1479		6	<1
16	17	gn	mw	PSP			gn + rd " "	"					1480			
17	18	gn	mw	L		chlor.	gn chlor. lamprophyre				1483	<0.01	1481			
18	19	gn	mw	PSPC		"	gn. chlor. slst/sh	- cleavage.					1482			
19	20	rd	mw	PSP		sericitic	rd + yl sericitic slst	26 9/12					1483		18	<1
20	21	yl	mw	PSP		"	yl + rd " "						1484			
21	22	gn	mw	PSP		"chlor.	rd, yl + gn - chlor	" cleavage			1488	<0.01	1485			
22	23	rd	mw	PSPC		chlor	rd + gn chlor. slst	- "					1486			
23	24	gn	hw	L		chlor.	gn chlor. Lamprophyre.						1487		25	<1

TIME STARTED 7.15pm FINISHED 10.15pm ASSAY LAB Cl. Genalysis P/O N° 1538

DRILL LOG

Newmont Australia Limited

DATE 30/5/89 PAGE N° 275

PROJECT NT30 AZIMUTH DRILL RIG Geneo

HOLE N°: 24/16 N E PROSPECT C24 (S^M) DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT KG	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Comp Cu ppm	Comp Bi ppm
24	25	gy gn	hw	L		chlor.	dk gn chlor lamprophyre				1491	<0.01	1488			
25	26	gy gn	hw	L		"	" " "						1489			
26	27	gy gn	hw	L		"	" " "						1490			
27	28	gy gn	hw	L		"	" " "						1491		36	40
28	29	br	hw	L		" +ser	br ser + chlor lamprophyre + 20% 9k				1495	<0.01	1492			
29	30	br	hw	L		" "	br " " " + tr 9k						1493			
30	31	br	mw	L		" silic	br. fgr chlor + " less weath						1494			
31	32	br	mw	L			br fgr lamprophyre						1495		7	40
32	33	br	mw	L			" " " , weath bld.				1499	<0.01	1496			
33	34	br	hw	L		part chlor	" gngl " " more weath						1498			
34	35	gy gn	mw	P S	P C	chlor	gn chlor shale - cleavage well dev.						1499		3	<10
35	36	gy gn	mw	P S	P C	"	" " " " "									
36	37	gy gn	mw	P S	P C	"	" " " " "				1503	<0.01	1500			
37	38	gy gn	mw	P S	P C	"	" " " " + 20% rd hem sst	P S S h					1501			
38	39	pk rd	hw	P S	S h		Rd hem sst, 20% weath yl. lamp., 5% qtz	L					1502			
39	40	pk	hw	P S	P	kaol.	pk. bleached sh, v. kaol., 5% qtz						1503		3	<10
40	41	gy gn	hw	P S	P C	chlor. "	gn chlor sh v weath				1507	<0.01	1504			
41	42	gy gn	hw	P S	P C	" "	gn + rd (ox) chlor sh "						1505			
42	43	gy gn	hw	P S	P C	" "	gn chlor sh, v weath. 2% qtz						1506			
43	44	gy gn	hw	P S	P C	" "	" " " " " tr qtz						1508		3	<10
44	45	rd	hw	P S	P h		rd. ox hem sh, well dev. cl.				1511	<0.01	1508			
45	46	rd	hw	P S	P h		" " " " " "						1509			
46	47	gy gn	hw	P S	P C		gn chl. sh " "						1510			
47	48	gy gn	hw	P S	P C		gn + rd " " "						1512		3	<10

TIME STARTED 7.15 FINISHED 10.15 ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 3/5

PROJECT NT30 AZIMUTH DRILL RIG Cenco

HOLE N°: 24/16 N E PROSPECT C24 (SW) DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
48	49	r d	h w	p s p h		kaol	Rd hem sh. well dev. cleavage				1515	<0.01	1512			
49	50	r d	h w	p s p h		"	" " " " "						1513			
50	51	r d	h w	p s p h		"	" " " " "						1514			
51	52	r d	h w	p s p h		"	" " " " " + trgh + tourm						1515		3	<10
52	53	r d	h w	p s p h		"	" " " " " + trgh				1519	<0.01	1516			
53	54	r d	h w	p s p h		"	" " " " "						1517			
54	55	r d	h w	p s p h		"	" " " " "						1518			
55	56	r d	h w	p s p h	p s p c	"	" " " + gn chlor. sh						1519		4	<10
56	57	r d	h w	p s p h		"	" " "				1523	<0.01	1520			
57	58	r d	h w	p s p h		"	" " "						1521			
58	59	gn	h w	p s p c	p s p h	chlor "	gn chlorite sh, + 40% rd ox hem sh						1522			
59	60	r d	h s	p s p h		"	rd ox hem sh + ~5% gn chlor sh						1523		<2	<10
60	61	r d	h w	p s p h		"	" " " "				1527	<0.01	1524			
61	62	r d	h w	p s p h		"	" " " "						1525			
62	63	r d	h w	p s p h	p c p c	chlor "	" " " " + ~20% gn chlor sh						1526			
63	64	r d	h w	p s p h		"	" " " " less wkly						1527		<2	<10
64	65	r d	h w	p s p h	p s p c	chlor "	" " " " + 10% gn chlor sh				1531	<0.01	1528			
65	66	gn	h w	p s p c	p s p h	"	Rd + gn. pervasive chloritized ox. sh						1529			
66	67	r d	h w	p s p h	p s p c		Rd. ox hem sh + 10% gn chlor sh						1530			
67	68	r d	h w	p s p h			" " " "						1531		<2	<10
68	69	r d	h w	p s p h			" " " " + tr gn chlor sh.				1535	<0.01	1532			
69	70	r d	h w	p s p h			" " " "						1533			
70	71	r d	h w	p s p h			" " " "						1534			
71	72	r d	h w	p s p h			" " " "					<	1535		<2	<10

TIME STARTED 7.15 am FINISHED 10.15 am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 4/8

PROJECT NT30 AZIMUTH DRILL RIG Gemco

HOLE N°: 24/16 N E PROSPECT C24 (8M) DECLINATION -60° GEOLOGIST R Wall

FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION / COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Bi ppm
72	73	rd	mw	Psph			rd-bv ox hem sh tr qtz			1539	<0.01	1536			
73	74	gn	mw	Pspc		chlor	gn chlor sh + 30% rd ox hem sh					1537			
74	75	gn	mw	Pspc		"	" " "					1538			
75	76	gn	mw	Pspc	Psph	"	" " " + 20% rd ox hem sh					1539		<2	<10
76	77	gn	mw	Pspc		"	" " "			1543	<0.01	1540			
77	78	gn	mw	Pspc		"	" " "					1541			
78	79	gn	sw	Pspc		"	" " "					1542			
79	80	gn	sw	Pspc		"	" " "					1543		3	<10
80	81	gn	sw	Pspc		"	" " "			1547	<0.01	1544			
81	82	gn	sw	Pspc		"	" " "					1545			
82	83	rd	mw	Psph	Pspc		rd ox hem sh + 20% gn chlor sh					1546			
83	84	rd	mw	Psph	Pspc		" " " " " " " · 5% qtz					1547		<2	<10
84	85	gn	mw	Pspc	Psph	chlor	gn chlor sh + 20% rd ox hem sh.			1551	<0.01	1548			
85	86	gn	sw	Pspc	Psph	"	" " " + 40% " " " "					1549			
86	87	rd	sw	Psph	Pspc	"	rd ox hem sh + 30% gn chlor sh.					1550			
87	88	rd	sw	Psph	Pspc	"	" " " " " " "					1551		<2	<10
88	89	gn	sw	Pspc	Psph	"	gn chlor sh + 10% rd hem ox sh			1555	<0.01	1552			
89	90	gn	sw	Pspc		"	" " "					1553			
90	91	gn	sw	Pspc		"	" " "					1554			
91	92	gn	sw	Pspc		"	" " "					1555		<2	<10
92	93	gn	sw	Pssc		"	gn. f.gr. chlor sst.			1559	<0.01	1556			
93	94	gn	sw	Pssc		"	" " " "					1557			
94	95	gn	sw	Pssc		"	" " " "					1558			
95	96	gn	mw	Pssc		"	" " " " more weath. Kaol.					1559		<2	<10

TIME STARTED 7.15 am FINISHED 10.15am ASSAY LAB P/O N°

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Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE Nº 5 / 5

PROJECT NT30 AZIMUTH DRILL RIG Cienco

HOLE Nº: 24/16 N E PROSPECT C24(SH) DECLINATION -60°. GEOLOGIST R. Jall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION / COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Composite Cu ppm	Composite Bi ppm
96	97	gn	mw	P s s c			gn f.gr chlor. ssf. tr qtz			1563	<0.01	1560			
97	98	gn	sw	P s s c			gn-gr " " " tr qtz					1561			
98	99	gn	sw	P s s c			" " " "					1562			
99	100	gn	sw	P s p c			" s " Sh					1563		<2	<10
100	101	gn	sw	P s p c			" s " Sh			1567	<0.01	1564			
101	102	gn	sw	P s p c			" s " "					1565			
102	103	gn	sw	P s p c			" s " "					1566			
103	104	gn	sw	P s p c			" " "					1567		<2	<10

EOH 104m.

TIME STARTED 7.15 FINISHED 10.15 am ASSAY LAB P/O Nº

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 1/4

HOLE N°: 24/17 +40 N +2 E

PROJECT NT30 AZIMUTH DRILL RIG Clemco

PROSPECT C24 1st DECLINATION -60° GEOLOGIST R Hall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
0	1	r d	m w	P s p				Rd weath hem slst.			1571	<0.01	1568			
1	2	r d	m w	P s p				" " " "					1569			
2	3	r d	m w	P s p				Rd-cr " " "					1570			
3	4	r d	m w	P s p				" " " "					1571		3	<10
4	5	w h	m w	P a p				wh blchd slst, lim coatings			1575	<0.01	1572			
5	6	b r	h w	L				br weath lamprophyre					1573			
6	7	b r	m w	P s p				br weath slst					1574			
7	8	b r	h w	P a r				" " "					1575		<2	<10
8	9	b r	h w	P s p	L			" " " trace lamp.			1579	<0.01	1576			
9	10	b r	h w	L				br heav. weath lamprophyre 56%					1577			
10	11	b r	h w	L	P s p			" " " " + 10% gr. incl. slst					1578			
11	12	g r	m w	P s p				grey-gn mdrate wth slst					1579		<2	<10
12	13	g r	m w	P s p				gr., rd, gn weath sh. cleavage			1583	<0.01	1580			
13	14	y l	h w	P s p				yl. weath slst.					1581			
14	15	g r	h w	P s p				gr + rd weath slst.					1582			
15	16	g h	h i	L		chlor.		gn chlor lamprophyre					1583		<2	<10
16	17	g r	h w	P s p				gr weath slst			1587	<0.01	1584			
17	18	r o	h v	P s p		kaol		rd v. weath slst.					1585			
18	19	w h	i w	P s p		"		wh kaol. " "					1586			
19	20	g h	h w	P s p		"		gn-gr weath "					1587		<2	<10
20	21	r r	h w	P s p		"		gr-rd (blchd) weath slst			1591	<0.01	1588			
21	22	r d	h w	P s p		"		rd weath hem slst					1589			
22	23	r d	h w	P s p	L	"		" " " " " 50% lamp.					1590			
23	24	g r	h w	L	L	chlor		gn chlor lamprophyre					1591		9	<10

TIME STARTED 11.30am FINISHED 12.30.

ASSAY LAB CI Contlab P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 2/4

PROJECT NT30 AZIMUTH DRILL RIG Comco

HOLE N°: 24/17 +46m N +2m E PROSPECT C24 (8th) DECLINATION -60° GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
24	25	hvr	hw	L			br weath lamprophyre				1595	<0.01	1592			
25	26	rd	hw	P s p h			rd + gr weath s/st (hem s/st)						1593			
26	27	rd	hw	P s p h			" " " " "						1594			
27	28	rd	hw	P s p h	L		rd weath hem s/st + 50% gr lamp						1595		13	<10
28	29	gn	hw	L		chlor	gn chlor. lamprophyre.				1599	<0.01	1596			
29	30	rd	hw	P s p h		kaol.	rd weath hem s/st.						1597			
30	31	rd	hw	P s p h		"	" " " "						1598			
31	32	rd	mw	P s p h			" " " "						1599		7	<10
32	33	rd	hw	P s p h		kaol	" " " "				1603	<0.01	1600			
33	34	rd	hw	P s p h		"	" " " "						1601			
34	35	rd	hw	P s p h		"	" " " "						1602			
35	36	rd	hw	P s p h		"	rd, gr, br " " " , hr matr						1603		42	<10
36	37	rd	hw	P s p h		"	rd+gr " " "				1607	0.03	1604			
37	38	rd	hw	P s p h		"	" " " " tr qtz						1605			
38	39	rd	hw	P s p h		"	rd-br " " "						1606			
39	40	rd	hw	P s p h		"	" " " "						1607		11	<10
40	41	rd	hw	P s p h		"	rd " " "				1611	0.03	1608			
41	42	rd	mw	P s p h	L	"	rd weathered ~~sst~~ lamprophyre / highly kaol						1609			
42	43	rd	mw	P s p h	L	"	" " ~~sst~~ "						1610			
43	44	rd	mw	L			rd-br ox. lamprophyre						1611		6	<10
44	45	rd	mw	L			" " "				1615	<0.01	1612			
45	46	rd	mw	P s s			rd m.gr. SST.						1613			
46	47	rd	mw	P s s			rd " " ~~ban~~.						1614			
47	48	rd	mw	P s s			" " " tr qtz						1615		12	<10

TIME STARTED 11:30 am FINISHED 12:30 am ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

DATE 31/5/89 PAGE Nº 3 / 4

PROJECT NT30 AZIMUTH DRILL RIG Gemco

HOLE Nº: 26/17 N E PROSPECT Cali (8th) DECLINATION -60° GEOLOGIST Rubell

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION / COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t				Composite Cu ppm	Composite Bi ppm
48	49	gn	hw	L		chlor	gn+rd weath chlor lamprophyre			1619	<0.01	1616						
49	50	rd	hw	L			rd " " "					1617						
50	51	rd	hw	L			" " " tr qtz					1618						
51	52	rd	mw	L		silic.	rd+gr part silic lamprophyre					1619					14	<10
52	53	rd	mw	L	lsp	"	" " " " + brec + gr. weath sh			1623	<0.01	1620						
53	54	rd	mw	L		"	" " " " brecc tr qtz					1621						
54	55	rd	mw	L		"	rd+br " " lamprophyre tr qtz					1622						
55	56	rd	mw	L			rd " " " , tr gn chlor sh					1623					4	<10
56	57	rd	mw	lssh	lspc		rd weath hem sst , 10% gn chlor sh			1627	<0.01	1624						
57	58	rd	mw	lssh	lspc		" " " " , " " " + 10% qtz					1625						
58	59	rd	mw	lssh	lspc		" " " " , " " " " Tr qtz					1626						
59	60	gn	mw	lspc		chlor	gn + rd ox silic sh. dev cleavage					1627					<2	<10
60	61	gn	mw	lspc		"	gn " " " "			1631	<0.01	1628						
61	62	gn	mw	lspc		"	" " " " "					1629						
62	63	gn	mw	lspc		"	gn+rd " " " " tr qtz					1630						
63	64	gn	mw	lspc	lsph	"	gn chlor sh , rd ox hem sh.					1631					<2	<10
64	65	rd	mw	lsph	lspc	"	" " " , " " " tr qtz			1635	<0.01	1632						
65	66	rd	mw	lsph	lspc	"	" " " , " " "					1633						
66	67	gn	mw	lspc	lsph	"	" " " , " " "					1634						
67	68	rd	mw	lsph	lspc	"	" " " " " "					1635					<2	<10
68	69	gn	mw	lspc		"	" " "			1639	<0.01	1636						
69	70	gn	mw	lspc		"	" " "					1637						
70	71	gn	mw	lspc		"	gr chlor (larger xtals) sh. trep					1638						
71	72	gn	mw	lspc		"	gn+rd " "					1639					<2	<10

TIME STARTED 11.30 am FINISHED 12.30 am ASSAY LAB P/O Nº

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Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 4 / 4

PROJECT NT30 AZIMUTH DRILL RIG Geneo

HOLE N°: 2f167 N E PROSPECT Czu (S^{M}) DECLINATION -60° GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
72	73	gn	hw	p s p c		chlor	gn rvd chlor sh.				1643	<0.01	1640			
73	74	gn	vh w	p s p c		"	" " " "						1641			
74	75	gn	m w	p s p c		"	gn chlor sh						1642			
75	76	gn	s w	p s s c		"	gn chlor sst. 5% qtz						1643		<2	<10
76	77	gn	s w	p s p c		"	gn " sh				1647	<0.01	1644			
77	78	gn	m w	p s p c	p s p h	"	gn chlor sh + rd oxhem sh. trqtz						1645			
78	79	rd	m w	p s p h			rd oxhem sh.						1646			
79	80	rd	m w	p s p h			" " " "						1647		<2	<10
80	81	rd	m w	p s p h			" " " "				1651	<0.01	1648			
81	82	gn	s w	p s s c		chlor	gn chlor. sst.						1649			
82	83	gn	s w	p s p c		"	gn chlor sh						1650			
83	84	gn	s w	p s p c		"	" " "						1651		<2	<10
84	85	gn	s w	p s p c		"	" " "				1652	<0.01	1652			
85	86	gn	s w	p s p c		"	" " "						1653			
86	87	gn	s w	p s p c		"	gn chlor sst tr qtz						1654			
87	88	gn	s w	p s s c		"	" " "						1655			
88	89	gn	s w	p s s c		"	" " " tr qtz				(5m)		1656		<2	<10
								EOH 89m								

TIME STARTED 11:30am FINISHED 12:30 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 1 / 3

PROJECT NT30 AZIMUTH DRILL RIG Cenco

HOLE N°: 24/18 N E PROSPECT C24/5th DECLINATION −60° GEOLOGIST Rusell.

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Compound Cu ppb	Compound Bi ppb
0	1	br	hw	L		chlor	wh (bl chd), br, gn weath lamprophyre.				1660	<0.01	1657			
1	2	gn	hw	L		"	gn + br " " "						1658			
2	3	gn	hw	L		"	" " " "						1659			
3	4	wh	hw	P s s			wh + br bl chd weath sst						1660		7	<10
4	5	wh	hw	P s s			wh + pk " " "				1664	<0.01	1661			
5	6	wh	hw	P s s			wh + or " " "						1662			
6	7	pk	mw	P s s			pk + gr weath micaceous sst.						1663			
7	8	gn	hw	L		chlor	gn chloritic weath lamprophyre						1664		11	<10
8	9	gn	hw	L		"	" " " "				1668	<0.01	1665			
9	10	gn	hw	L		"	gn + br " " "						1666			
10	11	gn	hw	L	P s s	"	" " " " + 20% gl + pk sst						1667			
11	12	br	mw	P s s	L		br weath aren. sst, 20% gn. lamprophyre						1668		13	<10
12	13	gn	hw	L		chlor	gn chlor weath lamprophyre. tr py				1672	<0.01	1669			
13	14	gn	hw	L		"	" " " "						1670			
14	15	gn	hw	L		"	" " " "						1671			
15	16	gn	hw	L		"	" " " "						1672		9	<10
16	17	gn	mw	P s p c	f s s	"	gn chl. sl st + br sst				1674	<0.01	1673			
17	18	gn	mw	f s p c	f s p	"	" " " " sl st.						1674			
18	19	gn	hw	L		"	gn chlor weath lamprophyre						1675			
19	20	br	mw	P s s			br med. gr sst, slightly chlor. tr lamp.						1676		39	<10
20	21	gr	mw	f s p			gr-grundmated sl st sl. chloritized				1680	<0.01	1677			
21	22	gr	mw	f s p			" " " "						1678			
22	23	br	mw	f s s			br + yl med. gr aren. sst.						1679			
23	24	gn	mw	P s s c			gn + br chloritized sst						1680		40	<10

TIME STARTED 2.15 pm FINISHED 2.30pm ASSAY LAB CI Cookson P/O N° 1538

DRILL LOG

Newmont Australia Limited

DATE 31/5/89 PAGE N° 2/3

PROJECT NT30 AZIMUTH DRILL RIG Cenco

HOLE N°: 24/18 N E PROSPECT C24 (SE) DECLINATION -60° GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Comp Cu ppm	Comp Bi ppm
24	25	gn	hw	L		Chlor	gn + br weath chlor. lamprophyre.				1684	<0.01	1681			
25	26	gn	hw	L		"	" " " " "						1682			
26	27	br	hw	L		"	br + gn " " "						1683			
27	28	br	hw	L		"	" " " " "						1684		79	<10
28	29	gn	hw	L		"	gn + rd " " "				1688	<0.01	1685			
29	30	rd	sw	ps	sh		rd indurated hem. aren. sst						1686			
30	31	gn	mw	ps	s		gn + rd incl. aren sst.						1687			
31	32	gn	mw	ps	sc	Chlor	gn chlor sst.						1688		34	<10
32	33	gn	mw	ps	sc	"	" " " "				1692	<0.01	1689			
33	34	br	hw	ps	p		pl. br heav. weath, part. chlor s/st-						1690			
34	35	gn	mw	ps	sc	Chlor	Pl gn chlor. bleched sst						1691			
35	36	gn	mw	ps	sc	"	" " " "						1692		4	<10
36	37	gn	mw	ps	sc	"	" " " "				1696	<0.01	1693			
37	38	gn	mw	ps	sc	"	gn " " "						1694			
38	39	gn	mw	ps	sc	"	" " " "						1695			
39	40	gn	mw	ps	sc	"	gn-gy " " "						1696		42	<10
40	41	gn	mw	ps	sc	"	" " " "				1700	<0.01	1697			
41	42	gn	mw	ps	sc	"	" " " "	tr glt					1698			
42	43	gn	mw	ps	sc	"	" " " "						1699			
43	44	gn	mw	ps	sc	"	" " " "						1700		42	<10
44	45	gn	mw	ps	sc	"	" " " "	tr glt			1704	<0.01	1701			
45	46	gn	mw	ps	sc	"	" " " "						1702			
46	47	gn	mw	ps	sc	"	" " " "						1703			
47	48	gn	mw	ps	sc		" " " "	+ tr gn chlor s/st					1704		42	<10

TIME STARTED 2.15 pm FINISHED 3.30 pm ASSAY LAB P/O N°

59

Newmont Australia Limited

DRILL LOG

DATE 30/5/89 PAGE N° 3/3

PROJECT NT30 AZIMUTH DRILL RIG Geneo

HOLE N°: 24-18 N E PROSPECT Cave (5m) DECLINATION -60° GEOLOGIST Rutall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT KG	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Cu ppm	Composites Bi ppm
48	49	rd	mw	fsspsh	fsssc		Rd hem sst + 20% gn chlor sst.				1 2 C P	0.07	1705			
49	50	rd	mw	fsssh			" " "						1706			
50	51	gn	mw	fspc	fsssh	chlor	gn chlor. slst + 10% rd hem sst.						1707			
51	52	rd	mw	fssh	fspc		rd hem sst. + 30% gn chlor slst.						1708		<2	<10
52	53	rd	mw	fspsh	fspc		rd-gr hem sst, part chloritized				1 7 1	0.07	1709			
53	54	gn	mw	fssc	fsss	chlor	gn chlor. sseen. sst.						1710			
54	54.5	gn	mw	fssc		"	" " " "						1711		<2	<10
								EOH 54.5m.								

TIME STARTED 2.15 pm FINISHED 3.30 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 1 / 2

+ 2½m -8m.

PROJECT NT30 AZIMUTH DRILL RIG Genco

HOLE N°: 24/19 N E PROSPECT C24 DECLINATION −60° GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Cu ppm	Bi ppm
0	1	yl	m 3	P S S			yl weath sst.				1715	<0.01	1712			
1	2	yl	m 3	P S S			yl+wh " "						1713			
2	3	gr	m 3	P S S			pl. gr weath sst						1714			
3	4	br	m 3	P S S			br " "						1715		3	<10
4	5	br	m 3	P S S			br, yl " "				1719	<0.01	1716			
5	6	gn	h 3	L		Chlor	gn chlor. weath lamprophyre						1717			
6	7	gn	h 3	L		"	" " " "						1718			
7	8	or	m 3	P S S			or weath sst.						1719		27	<10
8	9	gn	h 3	L		Chlor	gn chlor weath lamprophyre				1723	<0.01	1720			
9	10	or	m 3	P S S	P S S C	"	or weath sst + gn chlor. sst.						1721			
10	11	gn	h 3	L		"	gn chlor. weath lamprophyre						1722			
11	12	gn	h 3	L	P S P	"	" " " " " myl weath slst						1723		41	<10
12	13	gn	m 3	P S S C		Part chl	gn-gr foliated indurated sst.				1727	<0.01	1724			
13	14	gn	m 3	P S P C	P S P	"	gn chlor + or. shale						1725			
14	15	gn	m 3	P S S C		"	pl. gn chlor sst.						1726			
15	16	gn	m 3	P S S C		"	" " "						1727		8	<10
16	17	yl	m 3	P S S			yl+or bl chd sst +tr g/z				1731	<0.01	1728			
17	18	gn	m 3	P S S C	P S P C	Chlor	gn chlor sst + slst						1729			
18	19	gn	m 3	P S P C		"	" " slst						1730			
19	20	gn	m 3	P S P C		"	" " "						1731		4	<10
20	21	gn	m 3	P S S C		"	gn chlr sst				1735	<0.01	1732			
21	22	yl	m 3	P S S			yl bl chd sst						1733			
22	23	yl	m 3	P S S			yl " indurated sst						1734			
23	24	gn	h 3	L		Chlor	gn weath chlor lamprophyre						1735		17	<10

TIME STARTED 4-10pm FINISHED 4-40pm ASSAY LAB CL Townsville P/O N° 1538

Newmont Australia Limited

DRILL LOG

DATE 31/5/89 PAGE N° 2/2

PROJECT NT30 AZIMUTH DRILL RIG

HOLE N°: 2469 N E PROSPECT C24 (SE) DECLINATION -60° GEOLOGIST P Whitall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composite Cu ppm	Composite Bi ppm
24	25	gn	hw	L		chlor	gn weath chlor lamprophyre				1739	<0.01	1736			
25	26	gn	mw	P s s c		part. "	gn-br part. chlor. SSt.						1737			
26	27	gn	mw	P s s c		chlor	gn chlor SSt.						1738			
27	28	gn	hw	L		"	gn chlor weath lamprophyre						1739		35	410
28	29	gn	hw	L		"	" " " "				1743	<0.01	1740			
29	30	gn	mw	L		"	" " " "						1741			
30	31	br	mw	P s s c		partially "	or+gn part. chlor. SSt.						1742			
31	32	or	mw	P s s			pl. or bleached? SSt, tr g/h						1743		125	410
32	33	br	hw	P s s			br. indurated SSt V. hard!				1745	<0.01	1744			
33	34	br	sw	P s s			" " "						1745		12	410
							EOH 34 m.									

TIME STARTED 4.10 p.m FINISHED 4.40 pm ASSAY LAB P/O N°

DRILL LOG

Newmont Australia Limited

+17m

DATE 1/6/81 PAGE Nº 1/3

PROJECT NT30 AZIMUTH 338° T. DRILL RIG Gemco.

HOLE Nº: 24/20 ______ N ______ E PROSPECT C24 (sth) DECLINATION -60° GEOLOGIST R-Wall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION / COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Ag ppm	Composite Cu ppm	Bi ppm	Co ppm
0	1	g n	m w	P s s			gn-or. weath sst			1749	<0.01	1746					
1	2	g n	m w	P s s c			" " " chlor sst.					1748					
2	3	w h	h w	P s P			wh. blchd. sltst.					1747					
3	4	b r	m w	P s s			br weath sst					1749		<1	<2	<10	<5
4	5	o r	m w	P s s	L		or " " + 20% gn chlor lamp			1753	<0.01	1750					
5	6	gn	h w	L	L	Chlor.	gn chlor weath lamprophyre					1751					
6	7	gn	h w	L	P s P		" " " " + 50% wh blchd sltst					1752					
7	8	g n	m w	P s s			pl gn. weath sst.					1753		<1	<2	<10	<5
8	9	b r	m w	P s s			br-or " "			1757	<0.01	1754					
9	10	b r	m w	P s s			br " "					1755					
10	11	b r	m w	P s s			" " "					1756					
11	12	b r	m w	P s s	P s p c		" " " + tr gn chlor sltst					1757		<1	<2	<10	<5
12	13	b r	m w	P s s	P s p c		" " " " " " + tr qtz			1761	<0.01	1758					
13	14	g l	m w	P s s			yl " "					1759					
14	15	g n	h w	L			gn chlor lamprophyre					1760					
15	16	g n	h w	L			" " "					1761		<1	61	<10	7
16	17	o r	m w	P s s			Or weath sst			1765	<0.01	1762					
17	18	o r	m w	P s s			" " "					1763					
18	19	o r	m w	P s s	L		" " " + 50% gn chlor lamp.					1764					
19	20	o r	m w	P s s	L		" " " " " " "					1765		<1	72	<10	8
20	21	g n	h w	L			gn weath chlor lamprophyre			1769	<0.01	1766					
21	22	g n	h w	L			" " " "					1767					
22	23	g n	h w	L			" " " "					1768					
23	24	g n	h w	L			" " " "					1769		<1	87	<10	13

TIME STARTED 7.30 FINISHED 8.10am ASSAY LAB ______ P/O Nº ______

Newmont Australia Limited

DRILL LOG

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PROJECT NT30 AZIMUTH ~~166~~ 338° T DRILL RIG Gemco

HOLE N°: 24/30 N E PROSPECT G24 (84) DECLINATION −60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR		DEGREE OF WEATHERING		PRIMARY LITHOLOGY				SECONDARY LITHOLOGY					ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
24	25	gy	sh	h	w	L										gn weath chlor lamprophyre				1773	<0.01	1770		81			
25	26	gy	l	m	w	P	s	s								yl weath sst						1771					
26	27	O	r	m	w	P	s	s								Or " "						1772					
27	28	O	r	m	w	P	s	c								" " "						1773		41	22	410	6
28	29	O	r	m	w	P	s	s								Or+gn " "				1777	<0.01	1774					
29	30	gn	sh	m	w	P	s	p								gn blchd weath s/st fr g/z						1775					
30	31	r	d	m	w	P	s	p	h							rd weath hem sh						1776					
31	32	r	d	m	w	P	s	p	h	P	s	p	c			" " " " + gn chlor sh						1777		41	42	410	45
32	33	gn	sh	m	w	P	s	p	c							gn chlor sh. , 5% g/z				1781	<0.01	1778					
33	34	gn	sh	m	w	P	s	p	c							" " "						1779					
34	35	r	d	m	w	P	s	s	h							rd hem weath sst						1780					
35	36	gn	sh	m	w	P	s	p	c							gn chlor weath sh, 50% rd hem sh						1781		41	42	410	45
36	37	r	d	m	w	P	s	p	h	P	s	p	c			" " " " " "				1785	<0.01	1782					
37	38	r	d	m	w	P	s	s	h							rd hem weath sst						1783					
38	39	r	d	m	w	P	s	p	h	P	s	p	c			" " " sh + gn chlor sh						1784					
39	40	r	d	m	w	P	s	p	h	P	s	p	c			" " " " " "						1785		41	42	410	45
40	41	r	d	m	w	P	s	s	h	P	s	s	c			" " " sst + " " sst				1789	<0.01	1786					
41	42	gn	sh	m	w	P	s	p	c							gn chlor shale						1787					
42	43	gn	sh	m	w	P	s	p	c	P	s	p	h			" " " + rd hem sh						1788					
43	44	r	d	m	w	P	s	p	h	P	s	p	c			rd hem sh + gn chlor sh.						1789		41	42	410	45
44	45	r	d	m	w	P	s	s	h							rd hem sst.				1793	<0.01	1790					
45	46	gn	sh	h	w	L									chlor	gn chlor weath lamprophyre.						1791					
46	47	gn	sh	h	w	L				P	s	s	h			" " " " , 5% rd hem ss						1792					
47	48	gn	rd	m	w	P	s	s	h							Rd hem sst , tr Lamp.						1793		41	R3	410	7

TIME STARTED 7.30am FINISHED 8.10am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

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PROJECT NT30 AZIMUTH 335 T. DRILL RIG Geneo

HOLE N°: 24/20 N E PROSPECT C24 (Sth) DECLINATION -6½° GEOLOGIST Rukl/

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
48	49	gn	mw	P S S C		chlor	gn chlor sst				1797	<0.01	1794					
49	50	gn	mw	P S S C		"	" " "						1795					
50	51	gn	mw	P S S C		"	" " "						1796					
51	52	gn	mw	P S S C		"	" " " + tr g/z						1797		<1	<2	<10	<5
52	53	gn	mw	P S S C		"	" " "				1801	<0.01	1798					
53	54	gn	mw	P S P C		"	gn chlor slst weath						1799					
54	55	or	mw	P S S S			or silic sst						1800					
55	56	or	mw	P S S			o-gn pert. chlor sst						1801		<1	14	<10	<5
56	57	gn	hw	L		chlor	gn chlor weath lamprophyre				1806	<0.01	1802					
57	58	gn	hw	L		"	" " " "						1803					
58	59	gn	hw	L		"	" " " "						1804					
59	60	gn	mw	P S S C		"	gn weath chlor sst						1805					
60	61	br	sw	C S S S		silic	silic br sst				(Sn)		1806		<1	48	<10	<5
								EOH 61m										

TIME STARTED 7.30 am FINISHED 8.10 pm. ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

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+30m

PROJECT NT30 AZIMUTH 338° T DRILL RIG Geneo

HOLE N°: 24/21 N E PROSPECT C24 (Sth) DECLINATION −60° GEOLOGIST R.Wall

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
0	1	br	hw	C Z S				Soil.					1807		1			
1	2	rd	mw	f s s h				rd hem sst			1816	<0.01	1808					
2	3	rd	hw	f s s h				" " " f-gr					1809					
3	4	rd	hw	f s p h				rd hem slst					1810		<1	<2	<10	<5
4	5	rd	mw	f s p h				" " "			1814	<0.01	1811					
5	6	rd	mw	f s p h				" " "					1812					
6	7	rd	mw	f s p h				rd hem sst.					1813					
7	8	rd	mw	f s s h				" " "					1814		<1	<2	<10	<5
8	9	rd	mw	f s s h				" " "			1815	<0.01	1815					
9	10	rd	mw	f s s h				" " " tr blchd sst → gn.					1816					
10	11	rd	mw	f s p h				rd+gy hem slst.					1817					
11	12	rd	mw	f s s h				rd hem sst.					1818		<1	<2	<10	<5
12	13	rd	mw	f s s h				" " "			1822	<0.01	1819					
13	14	rd	mw	f s s h				" " " qtz veins ± lim.					1820					
14	15	rd	mw	f s p h				rd+gy hem slst.					1821					
15	16	rd	mw	f s s h				rd+gn hem sst, part chlo.					1822		<1	<2	<10	<5
16	17	rd	mw	f s s h				" " " " "			1826	<0.01	1823					
17	18	yl	mw	f s s				yl. weath (chlor) sst					1824					
18	19	rd	mw	f s s h				dk rd hem sst					1825					
19	20	yl	mw	f s s	f s p	c		yl weath sst + tr gn chlor slst					1826		<1	<2	<10	<5
20	21	rd	mw	f s s h	f s s	c		rd hem sst + gn chlor sst			1830	<0.01	1827					
21	22	gn	mw	f s p c				gn chlor shale					1828					
22	23	gy	mw	f s s				yl + gn (chlor) sst.					1829					
23	24	rd	mw	f s p h				rd+gn hem shale					1830		4	<2	<10	<5

TIME STARTED 8.35am FINISHED 9.45 ~~8.35~~

ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 1/6/89 PAGE N° 2/5

PROJECT NTBO AZIMUTH 338° DRILL RIG Comco

HOLE N°: 24/21 N E PROSPECT Czy (8m) DECLINATION -60° GEOLOGIST RWall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
24	25	rd	mw	Ps sh			rd hem sst				1834	<0.01	1831					
25	26	vr d	mw	Ps sh			" " "						1832					
26	27	yl	mw	Ps s			yl weath slst (leached)						1833					
27	28	gn	mw	Ps sc		chlor	gn chlor sst						1834		<1	<2	<10	<5
28	29	gn	mw	Ps sc		"	" " "				1838	<0.01	1835					
29	30	rd	mw	Ps sh			rd hem sst						1836					
30	31	rd	mw	Ps sh			rd yl " "						1837					
31	32	yl	mw	Ps s			yl sst. leached?						1838		<1	36	<10	<5
32	33	gn	mw	Ps sc		chlor	gn chlor sst.				1842	<0.01	1839					
33	34	gn	mw	Ps sc		"	" " "						1840					
34	35	gn	mw	Ps sc		"	gn chlor " "						1841					
35	36	gn	mw	Ps sc		"	gn chlor sst						1842		<1	28	<10	7
36	37	gr	mw	Ps p			grey slst (leached+hem)				1846	<0.01	1843					
37	38	yl	hw	Ps p			yl weath slst.						1844					
38	39	br	hw	Ps s			br weath sst						1845					
39	40	yl	mw	Ps s			yl " "						1846		<1	61	<10	21
40	41	yl	mw	Ps sc		chlor	yl-gn chlor sst.				1850	<0.01	1847					
41	42	yl	mw	Ps sh			yl rvd hem sst						1848					
42	43	br	mw	Ps sh			rd hem sst.						1849					
43	44	rd	mw	Ps sh			rd-br " "						1850		<1	59	<10	22
44	45	rd	mw	Ps sh			rd hem slst				1854	<0.01	1851					
45	46	rd	mw	Ps sh			rd hem sst + tr gn chlor slst.						1852					
46	47	rd	mw	Ps sh			" " "						1853					
47	48	rd	mw	Ps sh			" " "						1854		<1	<2	<10	<5

TIME STARTED 8.35 am FINISHED 9.45 am ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 1/6/89 PAGE N° 3 / 5

PROJECT NT30 AZIMUTH 338° T DRILL RIG Gemco

HOLE N°: 24/2 N E PROSPECT C24 (8th) DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
48	49	rd	mw	Pssh				rd hem sst.					1855					
49	50	rd	mw	Pssh	Psph			rd hem sst + gn chlor sst					1856					
50	51	gn	mw	PsPc	Psph	chlor		gn chlor slst + rd hem slst.					1857					
51	52	gn	hw	L		chlor		gn chlor weath lamprophyre			1858	<0.01	1858		<1	<2	<10	24
52	53	rd	mw	Pssh	L			rd hem sst + 10% "					1859					
53	54	rd	mw	Pssh	L			" " " + 20% "					1860					
54	55	gn	mw	Pssc				gn chlor sst.					1861					
55	56	rd	mw	Pssh		chlor		rd hem sst + gn chloritization, trace			1862	<0.01	1862		<1	<2	<10	14
56	57	rd	mw	Pssh				" " " " "					1863					
57	58	rd	mw	Pssh				" " " + " gn chlor sst.					1864					
58	59	rd	mw	Pssh		chlor		" " ", chloritized partially					1865					
59	60	rd	hw	Pssh				" " "			1866	<0.01	1866		<1	14	<10	24
60	61	rd	hw	Pssh				" " "					1867					
61	62	gn	mw	Pspc	Psph			gn chlor slst + rd hem slst.					1868					
62	63	rd	mw	Psph				rd hem slst, bleached					1869					
63	64	rd	mw	Pssh	Pssc			rd hem slst, 40% gn chlor sst.			1870	<0.01	1870		<1	15	<10	15
64	65	yl	mw	Pss				yl bleached sst					1871					
65	66	gn	mw	Pssc				gn + br chlor sst					1872					
66	67	yl	hw	PSp				yl + gn blchd slst					1873					
67	68	gn	hw	Pspc	Psph	kaol.		v. weath gn chlor slst + rd hem slst			1874	<0.01	1874		<1	<2	<10	12
68	69	rd	hw	Psph				" " rd hem slst.					1875					
69	70	yl	hw	Psp				clayey yl weath slst					1876					
70	71	rd	hw	Psph	L			weath rd hem slst + 50% gn weath lamp.					1877					
71	72	gn	hw	Pspc	Psph			gn chlor slst + rd hem slst.			1878	<0.01	1878		<1	<2	40	12

TIME STARTED 8:35am FINISHED 9.45 pm ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 1/6/84 PAGE Nº 4 / 5

PROJECT NT30 AZIMUTH 338° DRILL RIG Genco

HOLE Nº: 24/21 ______ N ______ E PROSPECT C24 (5th) DECLINATION -60° GEOLOGIST R Weill

FROM	TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT KG	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
72	73	gn	hw	l s p c				gn chlor slst + rd coatings. oxid.					1879					
73	74	gn	hw	L		chlr		gn weath chlor lamprophyre			1882	<0.01	1880					
74	75	gn	hw	L		"		" " " "					1881					
75	76	gn	hw	L		"		" " " "					1882		<1	41	<10	40
76	77	gn	hw	L	l s s h			" " " " 10% rd hem sst			1886	<0.01	1883					
77	78	rd	hw	l s s h	l s s c			rd hem sst + gn chlor sst - v. weath					1884					
78	79	gn	mw	l s s c		chlor		gn chlor sst.					1885					
79	80	rd	mw	l s [illegible]				rd hem sst					1886		<1	14	<10	13
80	81	gn	hw	L		Chlor		gn chlor weath lamprophyre.			1890	<0.01	1887					
81	82	gn	hw	L		"		" " " "					1888					
82	83	gn	hw	L		"		" " " "					1889					
83	84	gn	hw	L		"		" " " "					1890		<1	105	<10	27
84	85	rd	mw	l s s h	l s p h			rd hem sst + gn chlor sst + tr lamp			1894	<0.01	1891					
85	86	rd	mw	l s s h	l s p h			" " " " " "					1892					
86	87	rd	mw	l s s h				" " "					1893					
87	88	rd	mw	l s s h				" " " pert. blkd					1894		<1	<2	<10	12
88	89	gn	mw	l s p c				gn chlor slst			1898	<0.01	1895					
89	90	rd	mw	l s p h	l s p c			rd hem slst + gn chlor slst.					1896					
90	91	rd	mw	l s s h	l s p h			rd hem sst + gn chlor sst					1897					
91	92	gn	mw	l s p c	l s p h			gn chlor slst + rd hem slst.					1898		<1	<2	<10	8
92	93	rd	mw	l s s h	l s s c			rd hem sst + gn chlor sst.			1902	<0.01	1899					
93	94	rd	mw	l s s h	l s s c			" " " " " "					1900					
94	95	rd	mw	l s p h	l s p c			rd hem slst + gn chlor slst					1901					
95	96	gn	mw	l s p c				gn chlor slst.					1902		<1	<2	<10	10

TIME STARTED 8.35 am FINISHED 9.45 am ASSAY LAB ______ P/O Nº ______

Newmont Australia Limited

DRILL LOG

DATE 1/6/89 PAGE N° 5/5

PROJECT NT80 AZIMUTH 338° DRILL RIG Geco

HOLE N°: 24/21 N E PROSPECT C24 (SW) DECLINATION -60° GEOLOGIST R. Udell

DEPTH FROM	DEPTH TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
96	97	gn	w	Ps s c			gn chlor sst	tr qz					1903					
97	98	gn	w	Ps s c			" " "						1904					
98	99	gn	w	Ps s c	Ps s h		" " "	+ tr. red hem sst.			1907	<0.01	1905	insuff		Sample		
99	100						NO SAMPLE						1906	"		"		
100	101	gn	w	Ps s c	Ps s h		gn chlor sst	+ 50% red hem sst.					1907		21	22	210	6
							EOH 101 m.	dump + losing circulation										

TIME STARTED 8.35 am FINISHED 9.45 am ASSAY LAB P/O N°

Newmont Australia Limited
+49m

DRILL LOG

DATE 1/6/89 PAGE N° 1/4

PROJECT NT30 AZIMUTH 338° T DRILL RIG Comeo

HOLE N°: 24/22 N E PROSPECT C24 (SW) DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	TO	LITHOLOGICAL DESCRIPTION: COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLES: SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Composites Ag ppm	Cu ppm	Bi ppm	Co ppm
0	1	gn	mw	ps		chlor.	gn med. gr chlor sst (vein)				1911	<0.01	1908					
1	2	gn	mw	ps		"	" " " " "						1909					
2	3	gn	mw	ps		"	" " " " "						1910					
3	4	rd	mw	ps	s	h		rd brn sst + tr gn chlor sst.					1911		<1	<2	<10	<5
4	5	rd	mw	ps	s	h	C Z i	" " " + 5% bl/chd wh silicrete.			1912	<0.01	1912					
5	6	rd	mw	ps	s	h		" " "					1913					
6	7	rd	mw	ps	s	h		" " " + tr qtz					1914					
7	8	rd	mw	ps	s	h		" " "					1915		<1	<2	<10	<5
8	9	rd	mw	ps	s	h		" " "			1916	<0.01	1916					
9	10	rd	mw	ps	s	h		" " "					1917					
10	11	rd	mw	ps	s	h		" " "					1918					
11	12	rd	mw	ps	s	h		" " "					1919		<1	<2	<10	<5
12	13	pk	mw	ps	s	h		" " "			1923	<0.01	1920					
13	14	rd	mw	ps	s	h		dk rd " " + tr qtz					1921					
14	15	rd	mw	ps	s	h		" " "					1922					
15	16	rd	mw	ps	s	h		" " "					1923		<1	<2	<10	<5
16	17	rd	mw	ps	s	h		" " "			1927	<0.01	1924					
17	18	rd	mw	ps	s	h		" " " + gr bl/chd sist, tr qtz					1925					
18	19	rd	mw	ps	s	h		" " " + 5% ant to arc/ qtz veins					1926					
19	20	rd	mw	ps	s	h		" " " tr qtz					1927		<1	<2	<10	<5
20	21	rd	mw	ps	s	h		rd+yl " " tr qtz			1931	<0.01	1925					
21	22	yl	hw	ps	p		kaol	yl+br weath sist. Iron concretions (clay) (lam?)					1929					
22	23	rd	hw	ps	s	h	"	rd brn weath sst (clay)					1930					
23	24	rd	hw	ps	s	h		rd+yl brn sst, tr qtz					1931		<1	<2	<10	<5

TIME STARTED 10:30am FINISHED 4:5pm 5/6 ASSAY LAB P/O N°

Newmont Australia Limited

DRILL LOG

DATE 1/6/89 PAGE N° 2/4

PROJECT NT30 AZIMUTH 338° DRILL RIG Cremco

HOLE N°: 24/22 +49m N ___ E ___ PROSPECT C24 (8th) DECLINATION −60° GEOLOGIST R Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Ag ppm	Cu ppm	Bi ppm	Co ppm	
24	25	r d	h w	P s S/F h		Kaol.		rd. heav. weath hem sst.			1935	<0.01	1932						
25	26	r d	h w	P s S h		"		" " " " sst					1933						
26	27	r d	h w	P s s h		"		" " " " " tr qtz					1934						
27	28	r d	h w	P s s h		"		" " " " "					1935		<1	<2	<10	<5	
28	29	r d	h w	P s s h		"		" " " " "			1939	<0.01	1936						
29	30	r d	h w	P s s h		"		" " " " "					1937						
30	31	r d	h w	P s s h		"		" " " " " tr qtz					1938						
31	32	r d	h w	P s s h		"		" " " " "					1939		<1	<2	<10	<5	
32	33	r d	h w	P s s h		"		" " " " "			1943	<0.01	1940						
33	34	r d	h w	P s s h		"		" " " " " tr qtz					1941						
34	35	r d	h w	P s s h		"		" " " " " , partially blchd grey.					1942						
35	36	r d	h w	P s s h		"		" " " " " , tr qtz					1943		<1	<2	<10	<5	
36	37	r d	h w	P s S/P h		"		rd heav. weath hem sst. part. blchd tr qtz			1949	<0.01	1944+1945		Pb			Zn	
37	38	y d	h w	P s s		"		yl + rd weath sst.					1946						
38	39	r d	h w	P s s h		"		rd weath hem. sst.					1947						
39	40	r d	h w	P s s h	P s P	"		" " " " " + 20% gn-gr weath s(s)t					1948		14	43	<10	32	
40	41	y l	h w	P s s		K, Z		yl weath - limonitic sst - sericitised			1952	<0.01	1949						
41	42	y l	h w	P s s		K		yl. " " " , tr gn chlor sist.					1950						
42	43	g r	h w	P s s		K e		~~gn chloritic lamprophyre~~ yl weath ~~weath~~ sst. lim.					1951						
43	44	r d	h w	P s s h		h, K		rd + ~~gn~~ hem sst weath lim. ~~lamprophyre~~					1952		10	33	<10	41	
44	45	r d	h w	P s s h		h K		rd, gn " " " "			1956	<0.01	1953						
45	46	g n	h w	L				gn chlor. weath lamprophyre					1954						
46	47	r d	h w	P s s h		h		rd + gn predom. hem sst.					1955						
47	48	y l	h w	P s s				yl rd + gn weath sst -					1956		32	40	<10	23	

[11.30am] rods sheared off.

TIME STARTED 10.30am 2.50 5/6/89 FINISHED 5.00pm 5/6. ASSAY LAB ___ P/O N° ___

Newmont Australia Limited

DRILL LOG

DATE 5/6/89 PAGE Nº 3/4

PROJECT NT30 AZIMUTH 158° DRILL RIG Gemco

HOLE Nº: 24/22 N E PROSPECT Grey Bluff (Sth) DECLINATION -60° GEOLOGIST R Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION / COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE Nº	Au g/t	SAMPLE Nº	Au g/t	Cu ppm	Pb ppm	Zn ppm	Bi ppm
48	49	yl	hw	P s s		k	yl. weath sst. trq/z.					1957					
49	50	yl	hw	P s s		k	" " " " "					1958					
50	51	yl	hw	P s s	P s s h	k	" " " +40% rd hem weath sst					1959					
51	52	yl	hw	P s s	P s s c		" " " + gn chlor sst.			1960	0.04	1960		13	<5	19	<10
52	53	br	hw	L	L	kc	br weath chlor, seric lamprophyre					1961					
53	54	rd	hw	P s s h	L	hk	rd+yl weath hem sst, tr lamprophyre					1962					
54	55	rd	hw	P s s h	L	hk	rd+gn " " " " "					1963					
55	56	yl	hw	P s s	P s s h	hk	yl + rd " " "			1964	<0.01	1964		11	<5	30	<10
56	57	yl	hw	P s s	P s s h	hk	" " " " " , tr q/z + tr lim.					1965					
57	58	yl	hw	P s s		k	yl + br weath sst					1966					
58	59	rd	hw	P s s h		hk	rd (yl+gn) weath hem sst.					1967					
59	60	rd	hw	P s s h	P s s c	hk	rd hem sst + gn chlor sst + tr q/z			1968	<0.01	1968		4	<5	12	<10
60	61	gn	hw	P s s c		hkc	yl-gn blchd chlor sst. tr q/z					1969					
61	62	gn	hw	P s s c	P s s h	khc	gn + br weath (lim) chlor sst, rd hem sst					1970					
62	63	gn	hw	P s s c		kc	" " " " " "					1971					
63	64	gn	hw	P s s c		kc	gn + yl " " " "			1972	<0.01	1972		4	<5	13	<10
64	65	gn	hw	P s s c		kc	gn " " " " tr q/z					1973					
65	66	gn	hw	P s s c		kc	gn blchd " " " "					1974					
66	67	yl	hw	P s s		k	yl weath sst.					1975					
67	68	rd	hw	P s s h		kh	rd + yl weath hem sst.			1976	0.01	1976		4	<5	12	<10
68	69	rd	hw	P s s h	P s s c	kh / c	rd weath hem sst + gn chlor sst					1977					
69	70	gn	hw	P s s c	P s s h	kc / h	gn chlor sst + rd. hem sst / weath					1978					
70	71	gn	hw	L		c	gn chlor weath lamprophyre					1979					
71	72	gn	hw	L		c	" " " "			1980	<0.01	1980.		56	35	48	<10

TIME STARTED 10.30 1/6 FINISHED 4.50 5/6/89

ASSAY LAB P/O Nº

DRILL LOG

DATE 5/6/89 PAGE N° 4/4

Newmont Australia Limited

PROJECT NT30 AZIMUTH 158 DRILL RIG Longyear

HOLE N°: 24/22 N E PROSPECT Creyfs Bluff (SW) DECLINATION -60° GEOLOGIST R. Wall

DEPTH FROM	DEPTH TO	COLOUR	DEGREE OF WEATHERING	PRIMARY LITHOLOGY	SECONDARY LITHOLOGY	ALTERATION	MINERALISATION	COMMENTS	SAMPLE WEIGHT Kg	BIT TYPE	COMPOSITE SAMPLE N°	Au g/t	SAMPLE N°	Au g/t	Cu ppm	Pb ppm	Zn ppm	Bi ppm
72	73	gn	hw	L		c		gn chlor f.gr. weath lamprophyre					1981					
73	74	gn	mw	f s p		c		gn foliated chlor. shale			1984	0.01	1982					
74	75	gn	hw	L		c		gn chlor weath lamprophyre					1983					
75	76	gn	mw	f s p c	p s s h	c h		gn chlor shale + rd hem sst.					1984		26	12	29	40
76	77	gn	mw	f s p c	f s s L	c h		gn " " + " " sst.					1985					
77	78	gn	mw	f s p c		c		gn chlor shale			1988	0.01	1986					
78	79	gn	mw	f s p c		c		" " "					1987					
79	80	gn	mw	L		c		gn chlor lamprophyre					1988		20	30	25	40
80	81	gn	mw	L		c		" " "					1989					
81	82	gn	mw	L		c		" " "			1992	0.01	1990					
82	83	gn	mw	L		c		" " "					1991					
83	84	br	hw	L		c		brn gn " "					1992		70	62	58	40
84	85	gn	hw	f s p c	L	c		gn chlor shale - heav weath + rd hem weath lamp					1993					
85	86	gn	hw	f s s h	f s p c			rd hem sst. + gn chlor sst.			1995	0.06	1994					
86	87	gn	hw	L	f s s L			gn chlor weath lamp + rd hem sst					1995					
87	88	gn	mw	f s p c				gn ind chlor shale					1996		20	6	18	40
88	89	gn	hw	L	f s p c			gn chlor weath lamp + gn ind chlor sst	dump gn v. like lamp				1997					
89	90	gn	mw	f s p c				gn chlor shale	wet sample		2000	0.04	1998					
90	91	gn	sw	f s s c				gn chlor sst / lamp f.gr tr g/t					1999					
91	91.5	gn	s	f s s c				" " " "					2000		16	45	32	40
								EOH 91.5 m.										

TIME STARTED 10:30 6/6 FINISHED 4:30 5/6 ASSAY LAB P/O N°

E.L. 5072

E.L. 5133

see note in reference

see note in reference

Greys Bluff Anomaly
outline of Ground Magnetic Survey

Tenement boundary

CR90/...

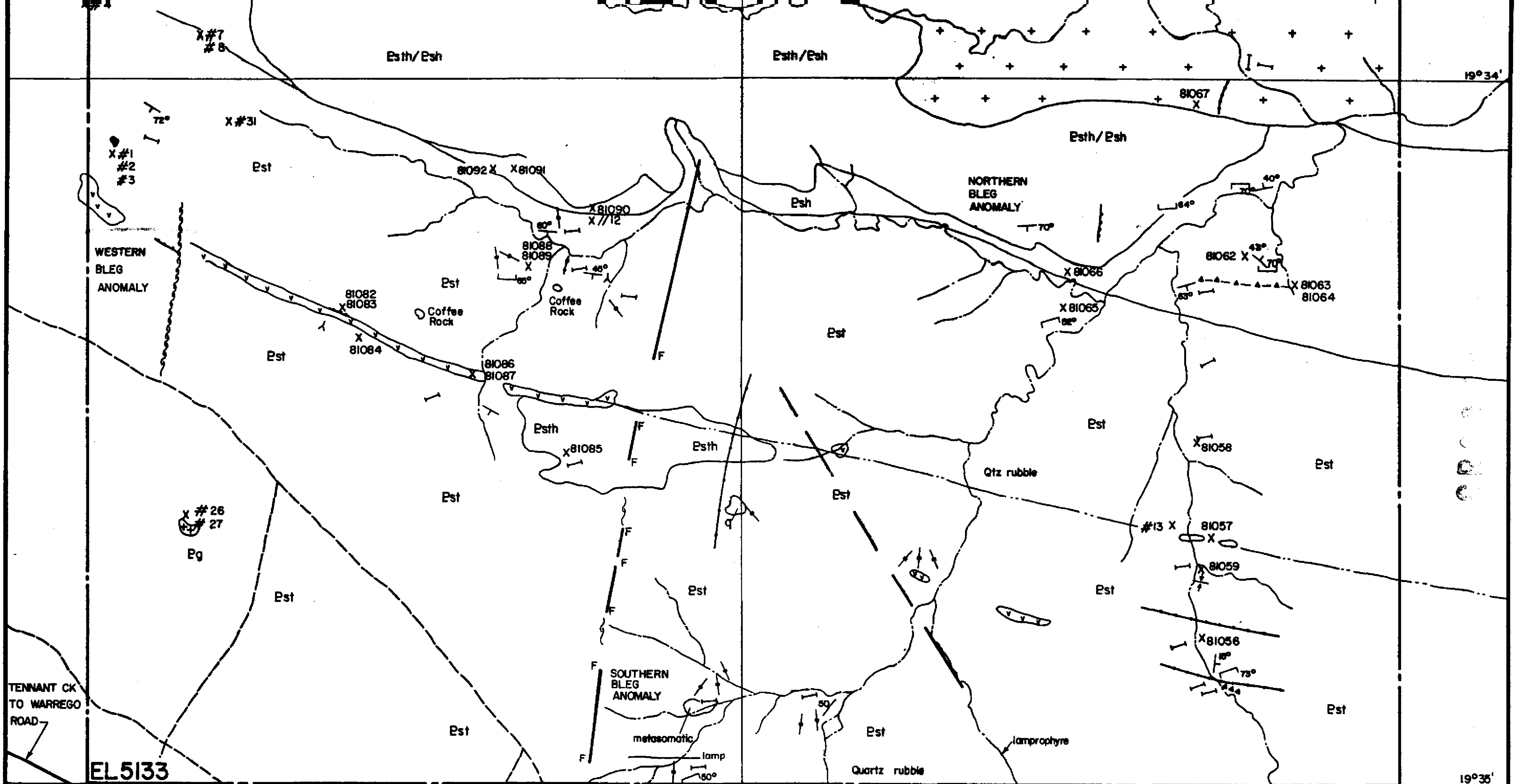
Newmont Australia Limited

PROJECT: TENNANT CREEK

GREYS BLUFF (405 936)

BLEG & Rock Chip sampling Au

COMPILED	VP	SCALE	1:10000	ART REVISED	12/3/90	SHEET
DRAWN	BNM	DATE	JUNE 89	PLAN No.	NT24-114	1



LEGEND

WATERWAY

GEOLOGICAL BOUNDARY

TRACK

+ + MEDIUM-FINE GRAINED PORPHRITIC GRANITE

CARRAMAN FORMATION

Єst	SILTSTONE
Єsth	HERMATITIC SILTSTONE
Єsh	HORNFELSED SEDIMENT
q	QUARTZ

IRONSTONE

F FAULT

BRECCIA ZONE

QUARTZ VEINING

SHEAR ZONE

CLEAVAGE

BEDDING

YOUNGING DIRECTION

VERTICAL JOINT

INTERPRETED GEOLOGICAL TREND

#33 X 81056 ROCKCHIP SAMPLE LOCATION

QUARTZ FELDSPAR PORPHYRY

134°08'

134°09'

134°10'

NORTH

Newmont Australia Limited

COMPILED	V.A.P.	SCALE	1:10 000
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GREYS BLUFF PROSPECT GEOLOGY