



NORTHERN MINING LIMITED

ACN 113 654 229

Titleholder	Northern Mining Limited
Operator (if different from above)	as above
Titles/tenements	EL 24746
Tenement Manager	Austwide Mining Title Management Pty Ltd
Mine/Project Name	Milton Park
Report title including type of report and reporting period including date	Partial Relinquishment report for Milton Park EL 24746 for the period 13/04/2006 to 12/04/2011
Personal author(s)	Dr Michael Green Remote Area GeoScience
Corporate author(s)	Northern Mining Limited
Target commodities	uranium, copper, nickel
Date of report	2 August 2011
Datum/zone	GDA94/Zone 53
250 000 K mapsheet(s)	Napperby (SF53-09) Hermannsburg (SF53-13)
100 000 K mapsheet (s)	Aileron (5552) Anburla (5551) Narwietooma (5451)
Contact details	Dr Michael Green remote.geo@bigpond.com

DISTRIBUTION: Northern Territory Department of Resources

Northern Mining Limited

The contents of this report remain the property of NORTHERN MINING LIMITED and REMOTE AREA GEOSCIENCE and may not be published in whole or part without written consent of the Company.

Contents

1.0	Summary	pg 1
2.0	Introduction	1
3.0	Tenure	1
4.0	Geology/prospectivity	2
4.1	Shallow secondary uranium deposits	2
4.2	Sandstone-hosted uranium deposits	2
4.3	Magmatic nickel-copper sulphides	3
4.4	Previous exploration	3
5.0	Northern Mining Limited Work	3
5.1	Year 1 &2	3
5.2	Year 3 & 4	3
5.3	Year 5	3
	5.3.1 Airborne EM	3
	5.3.2 Water bore sampling	4
	5.3.3 Vegetation sampling	4
	5.3.4 Gravity	4
6.0	Environmental	4

Tables

Table 1	Current tenement details
---------	--------------------------

Figures

Figure 1	Locality map
Figure 2	EL 24746 Topography; water bore and vegetation sample locations
Figure 3	EL 24746 Geology; water bore and vegetation sample locations.
Figure 4	EL 24746 Regional Gravity 2011
Figure 5	EL 24746 Flight lines for TEMPEST EM survey
Figure 6	EL 24746 Early time response; TEMPEST EM survey

Appendices

Appendix 1	Summary of historic exploration
------------	---------------------------------



1.0 Summary

EL 24746 is part of Northern Mining Limited's Central Australia project and is considered prospective for three main styles of mineralisation:

- Tertiary palaeochannel uranium (eg., New Well),
- Sandstone-hosted uranium (eg., Bigryli) and
- Magmatic nickel-copper sulphide.

In the 5th year of tenure the joint venture agreement between Northern Mining Limited and NuPower Resources Limited was terminated. The project reverted to Northern Mining management on 25 November 2010, but NuPower's data were not transferred until early 2011. Hence, no meaningful fieldwork was completed before the end of the 5th year of tenure. Moreover, unseasonable wet weather in the field area throughout 2010 made access for scheduled field work impossible.

At the end of the 5th year of tenure, 154 blocks were recommended for relinquishment, leaving 146 blocks within EL 24746.

2.0 Introduction

EL 24746 'Milton Park' is located approximately 80 km WNW of Alice Springs and 60 km west of the Stuart Highway (Figure 1). Access is excellent as the Tanami Road cuts the southern portion of the lease whereas the Napperby Road cuts the northern portion. There are many station tracks and fence lines crossing the tenement. This report covers the work completed on the recently relinquished portion of EL 24746.

In August 2008, EL 24746 was transferred to NuPower Resources Limited in a joint venture agreement with Northern Mining. NuPower Resources completed numerous exploration programmes in the following 2 years, before deciding to withdraw from the joint venture on 25 November 2010. Given that the JV withdrawal was so late in the 2010 field season and that NuPower's data were not transferred until early 2011 it was not possible to schedule field work prior to the end of 5th year of tenure. Hence, no meaningful work was completed during this last year of tenure.

3.0 Tenure

EL 24746 was granted to Imperial Granite & Minerals Pty Ltd (100 %) on 13 April 2006, and was immediately transferred to Northern Mining Limited as part of an existing agreement. The original tenement comprised 498 sub-blocks overlying NT Portions 703, 4443 and 4423, which are part of the Aileron, Amburla and Hamilton Downs perpetual pastoral leases, respectively. The Rubunja Community had been excised from the lease.

NuPower entered into a Joint Venture agreement with Northern Mining Limited in August 2008 to explore the tenement for uranium, thorium and coal.



A partial waiver reducing the tenement to 300 blocks was approved in 2009 and a total waiver was approved in 2010. On 25 November 2010, NuPower withdrew from the joint venture and tenement management reverted to Northern Mining. At the end of the 5th year of tenure (2011) 154 sub-blocks were dropped leaving 146 sub-blocks.

Tenement	Ten no.	Blocks Granted	Blocks Relinq.	Blocks Retain	Grant Date	Expiry Date
Milton Park	24746	498	352	146	13 Apr 2006	12 Apr 2012

Table 1: Current tenement details

4.0 Geology/Prospectivity

There are three distinct geological domains in EL 24746 and so the tenement is prospective for at least three main styles of mineralisation:

- Burt Basin – shallow Cenozoic basin overlying Arunta basement prospective for shallow secondary uranium (New Well),
- Ngalia Basin – Neoproterozoic to Carboniferous basin known to contain sandstone-hosted uranium (Bigryli), and
- Arunta region – basement to the above basins and known to contain many styles of mineralisation. Of greatest interest within EL 24746 is the potential for magmatic copper-nickel sulphide accumulations related to mafic-ultramafic intrusions, such as Mount Hay.

4.1 Shallow Secondary Uranium Deposits

Many of the exposed parts of the Arunta region contain elevated levels of uranium and thorium, and while it has long been realised that these units may host primary uranium deposits, it was also recognised that they may provide a uranium source for secondary mineralisation. Such secondary uranium mineralisation may form where weathered and eroded material from the exposed Arunta basement accumulates as thick sequences of unconsolidated material in the lowlands between the exposed ranges. Such sedimentation was widespread throughout Central Australia during the Cenozoic to form numerous Tertiary basins. Where such sequences have filled with uraniferous sediment it is possible that interaction with groundwater may form uranium accumulations at certain chemical interfaces. For example, the New Well U deposit in the Burt Basin near Tilmouth Well is interpreted to have formed by such processes. EL 24746 covers part of the Burt Basin and is prospective for such analogues.

4.2 Sandstone-Hosted Uranium Deposits

In the Ngalia Basin, significant U accumulations have been found within sandstone units to the west of EL 24746. The most significant of these deposits is Bigryli (200 km WNW of EL 24746) with a combined indicated-inferred resource of >9,000 t U₃O₈ and >17,000 t of V₂O₅ (Energy Metals webpage). The mineralisation at Bigryli outcrops and the line of prospects is apparent from airborne radiometrics. The prospects are hosted in the Carboniferous Mount Eclipse Sandstone, at lithological contacts with significant carbonaceous material (plant matter), though mineralisation is related to post-depositional



fluids along faults. The host rocks are believed to be important for precipitating the U-V mineralisation. There is a <8 km sliver of the Ngalia Basin within EL 24746, including outcrops of the basal Vaughan Springs Quartzite. This part of EL 24746 is prospective for Bigrlyi analogues.

4.3 Magmatic Nickel-Copper Sulphide Deposits

The southern part of EL 24746 is dominated by the 1770 Ma Mount Chapple and 1803 Ma Mount Hay mafic-ultramafic bodies. Recent studies by Geoscience Australia have greatly improved the mapping, geochemistry, geochronology and mineral potential modelling of these bodies and highlighted their prospectivity for Voisey Bay-style basal segregation Ni-Cu-Co-PGE deposits (also Sally Malay, Radio Hill analogues). Furthermore, the work has shown that Mount Chapple and Mount Hay are layered intrusions with early S saturation, crustal contamination and magma mingling, thus highlighting their prospectivity for Merensky Reef-style stratabound PGE-chromitite or PGE-Cu-Ni deposits (Munni Munni analogue). There has been some exploration around these bodies, including ground EM surveys and shallow drilling, but this predated the acquisition of regional aeromagnetics. Importantly, the aeromagnetic data highlight the buried extent of these bodies into EL24746, which is crucial when exploring for basal contact mineralisation. Therefore, the basal contact remains untested. Moreover, the discovery of Voisey Bay also postdates exploration in the south of EL 24746 and thus significantly increases the known size of basal segregation deposits.

4.4 Previous Exploration

The area covered by and surrounding EL 24746 has had a broad range of mineral exploration over the last 40 years. A review of the open file data is presented in Appendix 1.

5.0 Northern Mining / NuPower Resources Work

5.1 Year 1 & 2

In the first two years of tenure, work on EL 24746 was limited to desk-top reviews and reconnaissance field trips. These field trips included discussions with local Aboriginal groups and pastoralists. Access around the area was also assessed. No sampling was undertaken. The Aboriginal Areas Protection Authority sacred site register was assessed for the area and few sacred sites were recorded or registered within EL 24746.

5.2 Year 3 & 4

In the third year of tenure, the joint venture agreement with NuPower Resources commenced and significant work was undertaken focussed exclusively on potential uranium accumulations within the Tertiary Burt Basin.

5.2.1 Airborne EM

A fixed-wing TEMPEST survey was completed by Fugro Airborne Surveys over numerous NuPower tenements, including 1068.9 line kilometres over EL 24746. The survey focussed on the Burt Basin region and so only covered the central part of the original tenement (Figure 5 & 6). No drill targets were delineated, though the survey did show that the



thickness of the Burt Basin deepens to the west. All data were submitted by NuPower in the 2009 Annual Report.

5.2.2 Water bore sampling

15 water samples were tested from thirteen water bores mainly in the southern portion of the original tenement. Only the sample from Carrenjackie Bore is within the recently relinquished portion of EL 24746. The water samples returned low levels of uranium in some bores with the highest value at the Milton Park bore (128 ppb U). Sample locations are shown in Figures 2 & 3. All data were submitted by NuPower with the 2009 Annual Report.

5.2.3 Vegetation sampling

15 vegetation samples from various plant species were collected as part of a regional biogeochemical orientation program. Within the original tenement only extremely low abundances of uranium were measured. No samples were collected within the recently relinquished portion of EL 24746. Sample locations are shown in Figures 2 & 3. All data were submitted by NuPower with the 2009 Annual Report.

5.2.4 Gravity

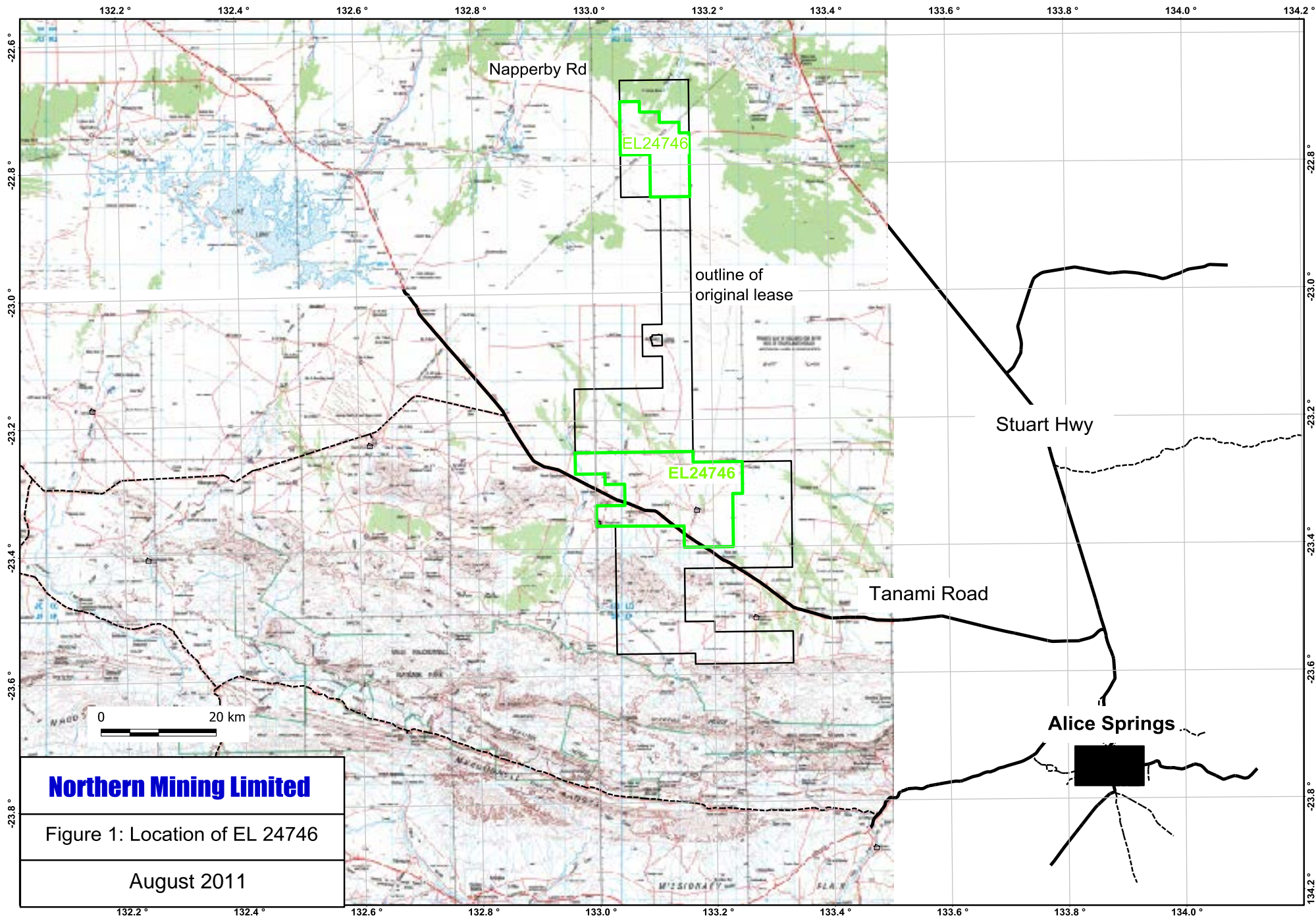
NuPower contributed to the NTGS helicopter-borne regional gravity survey to infill to 2 km-spaced centres within EL 24746. The survey greatly improved the resolution of the deep basement structures beneath the Burt Basin. All digital data reside with NTGS.

5.3 Year 5

In the fifth year of tenure, NuPower Resources decided to terminate the joint venture on 25 November 2010. NuPower completed no work during this year other than a major review of all their tenure and joint ventures. Unfortunately the timing of the data transfer has provided no time for Northern Mining to schedule fieldwork during this year. Therefore, there was little meaningful work for the 5th year of tenure.

6.0 Environmental

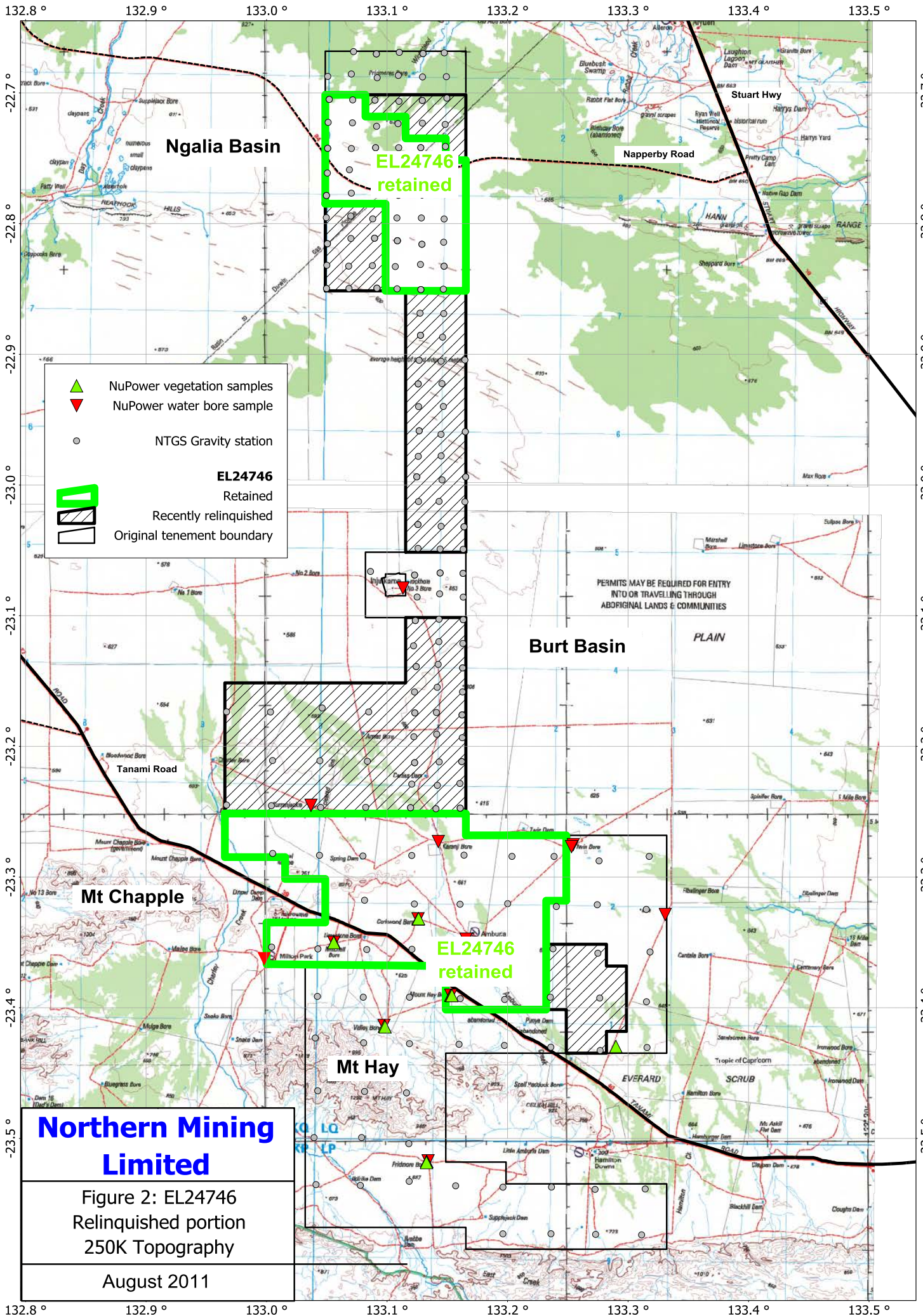
No ground disturbing work has been undertaken on EL 24746.

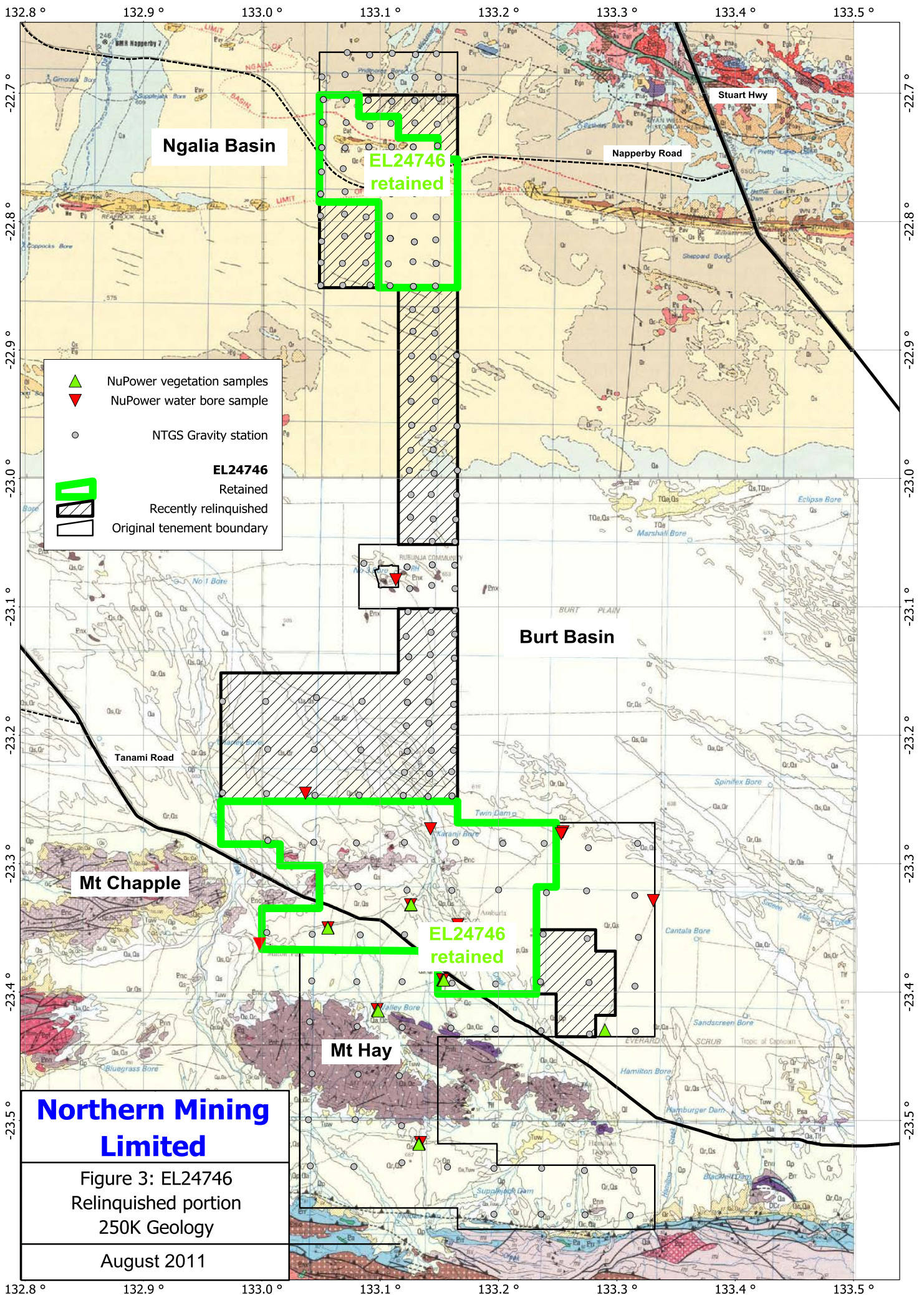


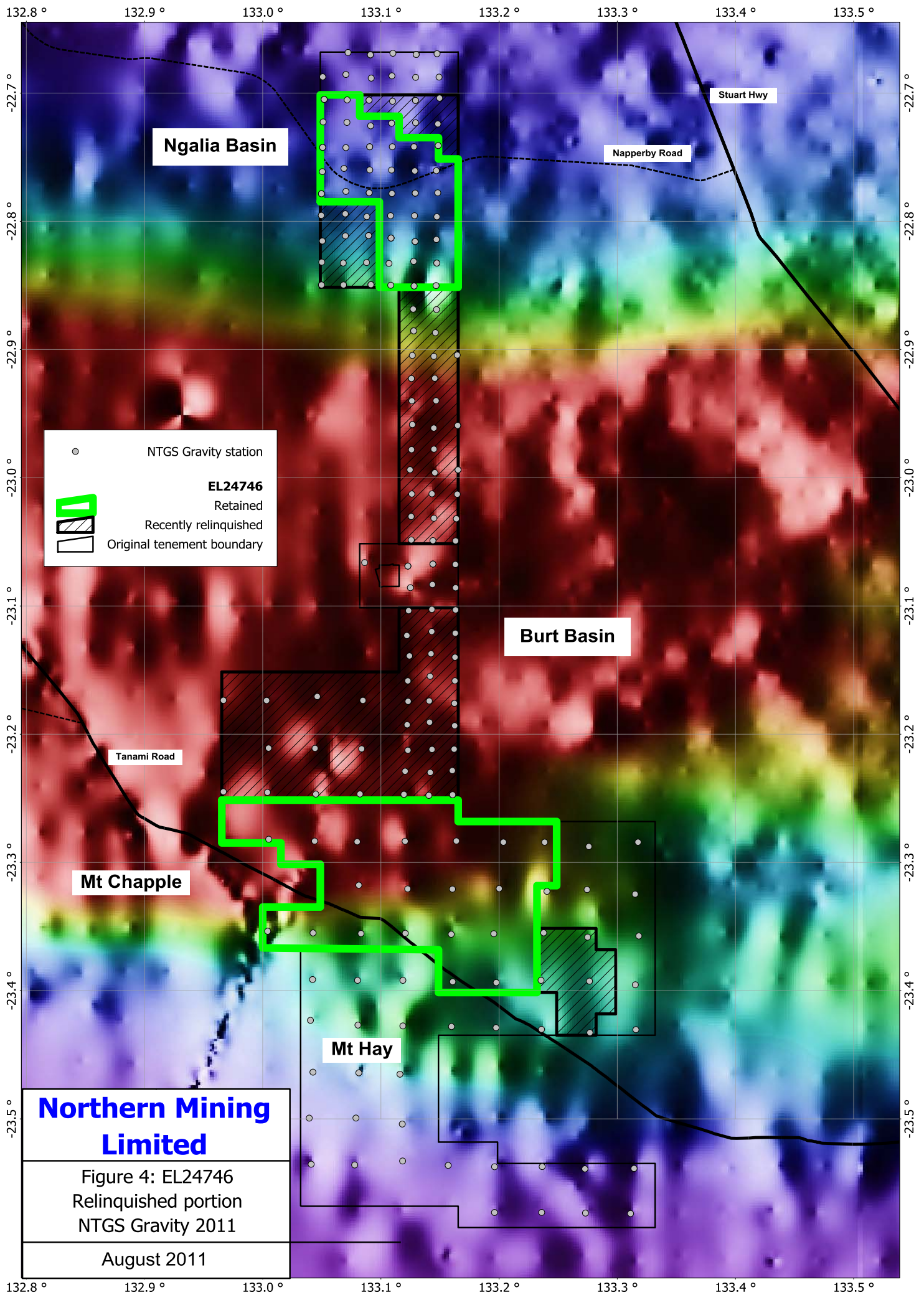
Northern Mining Limited

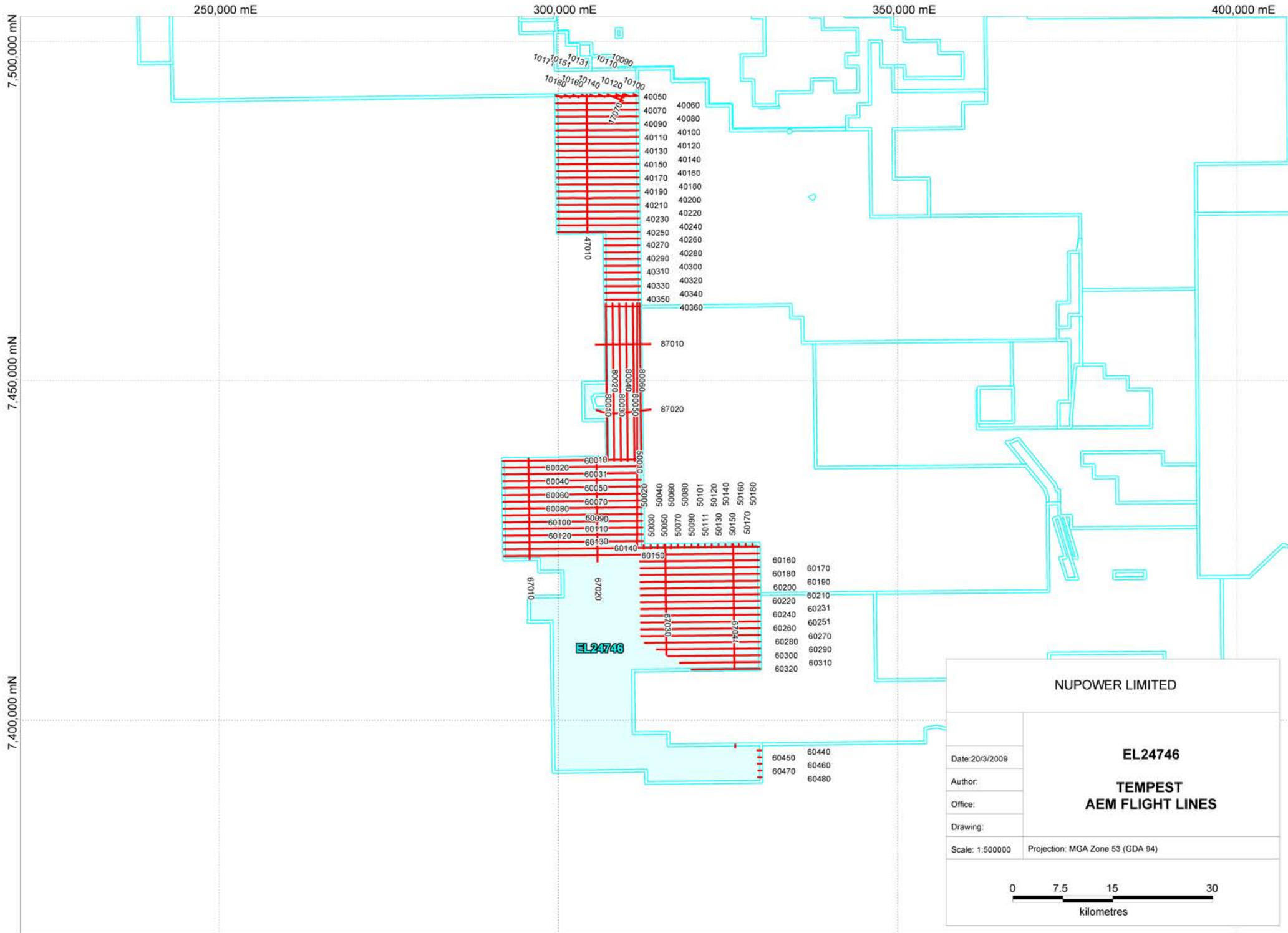
Figure 1: Location of EL 24746

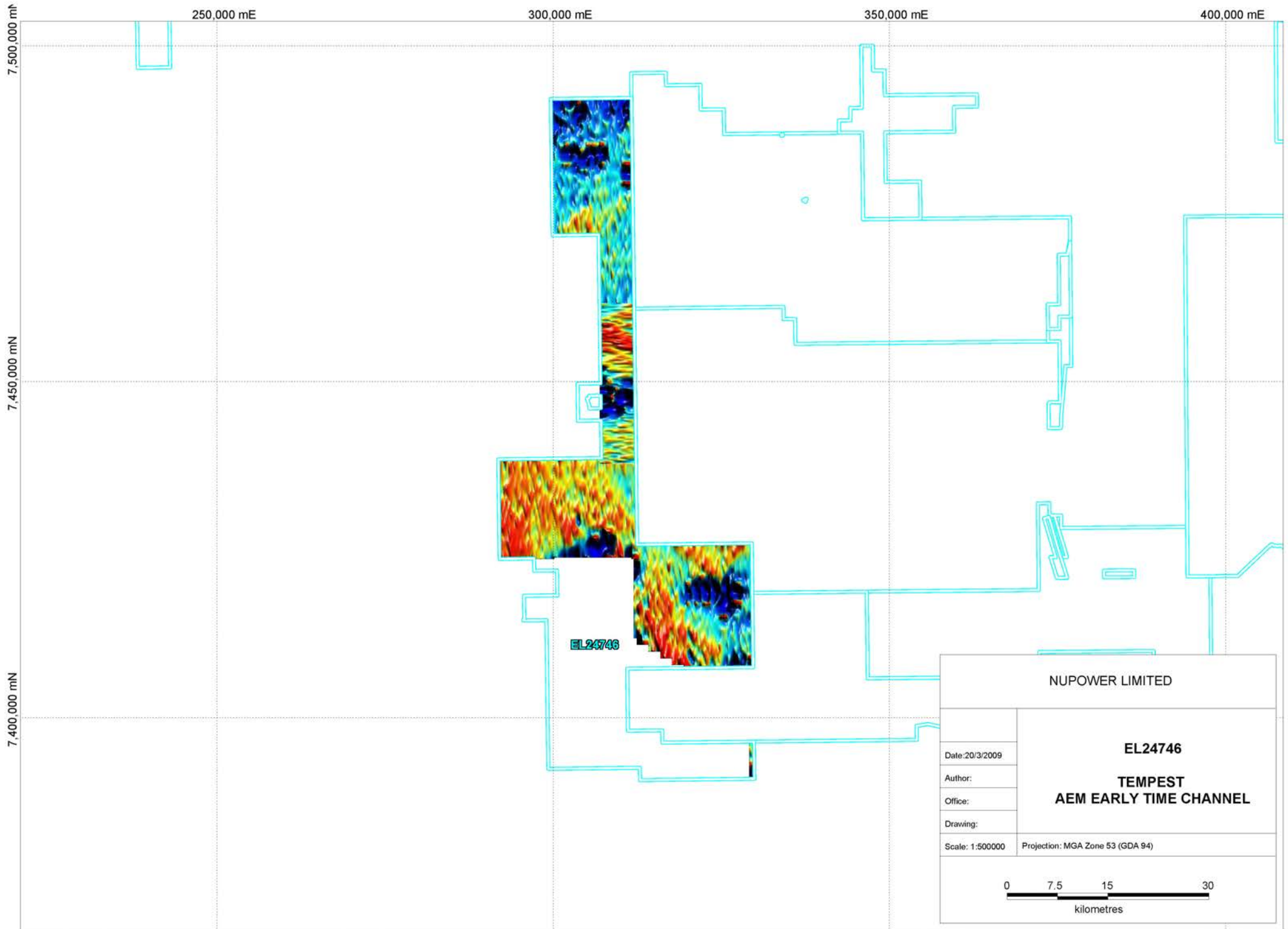
August 2011













APPENDIX 1
SUMMARY HISTORIC EXPLORATION
(taken from 2010 Annual Report)

Open File Report Number	Dates	Company	Commodity	Tenement	Work Completed	Comments
CR1971-0024	- July 1971	CRA Exploration Pty Ltd, Zinc Corporation Ltd	Ni, Base Metals, U	AP2714	Stream sampling, Rock sampling, Water Sampling, Auger Drilling, Mineralogy	Contains 3 x Auger Drill Logs. Active works outside of current EL24746.
CR1971-0064	7 th May 1971 – 6 th May 1972	CRA Exploration Pty Ltd	Base metals, Cu, Pb, Zn, Co, Cr, Ag, Ni, Mo, U	AP2889	Ground magnetics, Radiometrics, Geochemistry, Petrography,	Contains maps of sample locations
CR1973-0004	10 th April 1972 – 16 th June 1972.	Horizon Explorations Ltd	U	EL7	Water Sampling, Drilling [Mo, Cu, V, U3O8],	10 holes for 657m [AN1–AN10]. AN1, AN2 and AN9 within Milton Park]. Report contains graphic logs.
CR1974-0035	14 th May 1973 – 13 th May 1974	Central Pacific Minerals NL	U	EL256	Airborne carborne survey, Ground radiometrics	Survey traverses illustrated appear to be NW of EL24746.
CR1974-0080	1973	Central Pacific Minerals NL	U		Airborne radiometrics, Ground radiometrics, Carborne radiometrics, Mapping, Percussion drilling, Auger drilling	West of Milton Park tenement.
CR1982-0274	3/11/1981 – August 1982	CRA Exploration Pty Ltd	U	EL3100	RC Drilling, Downhole geophysics	2 x rotary air holes RD82HD1 & RD82HD2 drilled south of Hamilton Downs homestead. NSA and EL3100 relinquished. Logs and assays in report.
CR1984-0258	25/03/1983 – 28/01/1984	Yuendumu Mining Company	Cu, Pb, Zn, Co, Ni, Sn, Ag, Cr, W	EL3003	Mapping, Rock chip sampling	Widespread W anomalism in qtz/haematite/fluorite lodes Sth of Siddley Range. Location uncertain.
CR1989-0020, CR1990-0366	19/11/1987-18/11/1988	Colchis Mining Corporation Pty Ltd	Au, Cu, Pb, Zn, Ag	EL5511	Mapping, Rock chip sampling, Stream Sediment Sampling	Logs, assays and maps in reports.
CR1995-	- 1994	PNC	U	EL8411	Mapping,	Only just overlaps

Open File Report Number	Dates	Company	Commodity	Tenement	Work Completed	Comments
0266		Exploration Australia Pty Ltd			Ground mags, Ground radiometrics, Airborne magnetics /radiometrics Geochemistry, Rock chip sampling, Petrography,	northern extremity of Milton Park. 2° uranium mineralisation (2450ppm U, 25ppm Th) in Napperby Gneiss adjacent to a major WNW shear zone 5km W of the Napperby Creek prospect.
CR1996-0187	-/11/1995	PNC Exploration Australia Pty Ltd	U	EL8411	Mapping, Costeans, Magnetism, Radiometrics	Mt Freeling U prospect, Mt Dunkin U Prospect. 30 instances of U identified – 22 within Napperby gneiss. Significant P/REO discovery at Nolan's Bore. No work appears to have overlapped Milton Park.
CR1998-0009	15/09/1996 - 14/09/1997	Rio Tinto Exploration Pty Ltd	Ni, Cu, PGE	EL9565, EL9566	Literature review, Mapping, Rock Chip sampling, Petrology, Airborne mag /rad, Soil sampling Ground mags & EM Drilling – Diamond, RAB, RC, Downhole conductivity, Rehabilitation	RAB and RC drilling done within Milton Park licence. A depth to basement plan is useful and shows a number of hole collars within EL24746. Logs, collar cords, and assays including U assays are included in this report.
CR2002-0352	18/12/2001-17/12/2002	Mithril Resources (BHPB JV)	Ni, Cu	EL22615, EL22616, EL22631, EL22632	-	No on the ground exploration was conducted.
CR2003-0087	20/02/2002-19/02/2003	Johnson's Well Mining N.L.	Not Stated	EL10264	-	No on the ground exploration was conducted.
CR2003-0351	28/03/2002-27/03/2003	Gutnick Resources N.L.	Au	EL10251	Literature review, Data processing (imagery & geophysics)	No on the ground exploration was conducted. Report contains imagery & geology maps.
CR2004-0166	28/03/2001-23/07/2003	Gutnick Resources N.L.	Au	EL10251, EL10252, EL10264,	Literature review, Data processing (imagery & geophysics),	The only on ground exploration was geochemical sampling; however no samples were collected from the historic tenements that

Open File Report Number	Dates	Company	Commodity	Tenement	Work Completed	Comments
					Rock chips, Stream sed, Base of Slope Sampling	overlap Milton Park EL24746.
CR2004-0184	17/12/2002-16/12/2003	BHPB Minerals Pty Ltd	Ni, Cu	EL22615, EL22616	-	No on the ground exploration was conducted.
CR2004-0332, and CR2004-0713	23/12/2002-12/11/2004	Tanami Exploration NL	Au?	EL22922	Regional Assessment	No on the ground exploration was conducted.

Table 1 - Milton Park EL24746 - Historic Exploration

Open file records held by the NTGS indicate that a number of companies have explored for a variety of commodities in the Milton Park area.

In the 1970's uranium exploration was undertaken by Horizon Exploration and Central Pacific Minerals NL, and CRA Exploration (who also explored for base metals). Much of the work undertaken was outside EL24746; however three drill holes AN1, AN2 and AN9 are within the licence.

In the 1980's limited uranium, base metals, and tungsten exploration was undertaken in the region. The only drilling known to have occurred during this time was to the south of the Milton Park licence.

In the 1990's uranium exploration was undertaken by PNC Exploration Australia Pty Ltd, whilst Rio Tinto Exploration explored for Ni/Cu/PGE (layered igneous intrusive) at Mt Hay. Rio Tinto's report indicates that a number of RAB and RC holes were drilled within EL9565 and EL9566 (which covered the southern half of Milton Park EL24746). Drill logs, coordinates and assays including uranium assays are included in their report along with a depth to basement map showing drill collars.

In the 2000's a number of exploration companies have picked up ground in the area, to explore for Ni/Cu or gold, only to drop it after conducting literature and data reviews, (i.e. without carrying out any on the ground exploration).

Historical exploration in the area is further detailed below.

CR1971-0024 (Mt Chapple Project – Tenements AP2714)

Author: Tham, G. H. P., 1971

Company: CRA Exploration Pty Ltd

Commodity: Ni, base metals, U

Dates: - July 1971

Stream sampling,
Rock sampling,
Water Sampling,
Auger Drilling,
Mineralogy

Focus initially on Ni and base metals, then on U

AP2714 overlapped a small portion of the mid west side of Milton Park licence EL24746. Exploration undertaken was west of Milton Park.

The Allanite prospect, containing allanite float (no source located) was considered too small to be worth further follow up. Highest assay from water bore sampling 25ppb U in Desert Bore – considered to be too low to be worth further investigation.

CR1972-0064 (Hamilton Downs Project – Tenements AP2889)

Author: O'Sullivan, K.N., Tham, G. H. P. and Hughes, F.E, 1972

Company: CRA Exploration Pty Ltd

Commodity: Ni, base metals, U

Dates: - July 1971

Stream sediment samples [Pb, Zn, Cu, Ni, Co, Cr, Ag, Mo, U]

Rock chips samples

Petrography

Ground magnetics

Water bore sampling [U, sulphate, fluorine, TDS, radon in solution, pH, Eh]

AP2889 overlapped southern and western portions of Milton Park EL27476.

Exploration focussed on quest for ultrabasic bodies and examined the Arunta complex as a host for uranium deposits. Uranium investigation in the Burt Plain basin focussed on ground water sampling from wells and bores. Radon gas in weak concentration was identified at the bottom of a dry bore at Cattle Creek on Milton Park station. Conclusions suggest the average U content of the Precambrian upland could make it a suitable source rock for the development of U deposits in younger sediments to the north.

CR1973-0004 (Amburla Project – Tenement EL7)

Author: Dewar, G. J., 1972

Company: Horizon Explorations Ltd JV with JOC Mineral Resources Australia Pty Ltd

Commodity: U

Dates: 10th April 1972 – 16th June 1972.

Western side of EL7 overlapped the central eastern portion of the current Milton Park tenement.

Quest for U deposit. Elevated ground water from bores in and around EL7. 10 hole scout drilling program for 657m completed [AN1–AN10]. AN1, AN2 and AN9 within Milton Park. Relief on basement is approximately 150m and generally slopes from east to west. Unsuitable lithologies and low gamma radiation in drillholes indicates the area is not prospective for peneconcordant sedimentary uranium and no further work was recommended.

CR1974-0035 (Agamba II– Tenement EL256)

Company: Central Pacific Minerals NL

Commodity: U

Dates: 14th May 1973 – 13th May 1974.

The SE corner of EL256 overlaps the NW corner of Milton Park EL24746. Exploration focussed on Ngalia Basin – specifically Mt Eclipse Sandstone.

Reconnaissance and airborne carborne and ground radiometric surveys failed to locate significant exploration targets. No Mt Eclipse Sandstone (host for uranium mineralization in the western part of the Ngalia basin) has been found and the unit is thought to have thinned out before reaching EL256.

CR1974-0080 (Bigryli, Walbiri, Coonega, Karins Anomaly)

Author:

Company: Central Pacific Minerals NL

Commodity: U

Dates: 1973

West of Milton Park tenement.

CR1982-0274 (Hamilton Downs EL3100)

Author: Harvey, B. E.

Company: CRA Exploration Pty Ltd

Commodity: U

Dates: 3/11/1981 – August 1982

EL3100 covered the southern end of Milton Park EL24746. The EL was located over a postulated Tertiary graben coincident with the present day valley between Hamilton Downs homestead and the Chewings Range.

2 rotary air holes [RD82HD1 and RD82HD2] were drilled to determine potential for Tertiary sediment hosted U within postulated graben feature. No anomalous U was indicated by assay or downhole logs. Sedimentary facies were not favourable for U mineralisation and the EL was relinquished.

CR1984-0258 (EL3003)

Author: Gardiner, R. T.

Company: Yuendumu Mining Company

Commodity: Cu, Pb, Zn, Co, Ni, Sn, Ag, Cr, W

Dates: 25/03/1983 – 28/01/1984

The location of this tenement is uncertain and it may be further NW of Milton Park EL24746.

Rock chip sampling: 29 samples

Reconnaissance geological mapping and rock chip geochemistry demonstrated the occurrence of widespread tungsten anomalism in quartz haematite fluorite lodes south of the Siddley Range. Results did not justify further work.

Lode No XII returned U assays from 22 to 130ppm with low Th (22 to 44ppm) and an unidentified lens east of Napperby Creek returned U assays of 110 and 190ppm.

Central Pacific Minerals NL are said to have drilled four diamond holes SB1- SB4 (percussion collars) drilled to target IP anomalies associated with ironstone lenses. Assays of historic percussion samples are included, however it is stated that diamond core (that should reside in NTGS Alice Springs core farm) was historically assayed for Au and Ag only and could not be located.

CR1989-0020 / CR1990-0366 (Reynolds Range, EL5511)

Author: Jockel F.C.M. / Wilkinson, D. P.

Company: Colchis Mining Corporation Pty Ltd

Commodity: Au, Cu, Pb, Zn, Ag

Dates: 19/11/1987- May 1990

Literature review

Mapping

Rock chip sampling – 42 samples [Au, Cu, Pb, Zn, Ag, As]

Stream sediment sampling – 201 samples [Au, Cu, Pb, Zn, Ag, As]

The southern end of EL5511 overlaps a small portion of the northern end of Milton Park EL24746.

The area covered by EL5511 covered the Reynolds range. Exploration focussed on gold and mapping and reconnaissance geochemical sampling was undertaken. Despite the area being said to have potential for REE and U, samples were not assayed for these element. The tenement was relinquished in 1990.

CR1995-0266 (Napperby, EL8411)

Author: Thevissen, J

Company: PNC Exploration Australia Pty Ltd

Commodity: U

Dates: 1994

This tenement only just overlaps the northern extremity of Milton Park EL24746.

The focus is on Uranium exploration.

Work conducted included:

Mapping

Ground Magnetism,

Ground Radiometrics

Helicopter reconnaissance

Ground reconnaissance

Rock chip sampling (multi element assays, U, REE, Ag, base metals)

Airborne magnetics/spectrometric survey over outcrop completed 11-28 Dec 2004.

Exploration focussed on metasomatised calc-silicate gneiss of the Wickstead Creek beds (considered similar to Mary K style of mineralisation) and also on metapelitic sequences of Mt Dunkin and Mt Freeling (esp. adj. to RRG unconformity) – also considered to have U potential.

Napperby Creek U prospect discovered during 1993 reconnaissance. Helicopter based recon. in 1994 located a new occurrence of U mineralisation in metasomatised qtz-tourmaline rock (Wickstead Creek beds) 1km south of Mt Freeling (650ppm U, 145ppm Th). Ground based recon. Located secondary uranium mineralisation (2450ppm U, 25ppm Th) in Napperby Gneiss adjacent to a major WNW trending shear zone 5km west of the Napperby Creek prospect. Several small pods of uraninite bearing metasomatised calc-silicate gneiss (Wickstead Creek beds) were located – max assays 830ppb U, 35ppm Th.

It does not appear that any of this work overlapped the Milton Park tenement EL24746.

CR1996-0187 (Napperby, (Mt Duncan, Mt Freeling, Nolan's Bore, EL8411)

Author: Thevissen, J

Company: PNC Exploration Australia Pty Ltd

Commodity: U

Dates: 1995

Work conducted included:

Mapping,

Ground Mags & radiometrics (Mt Freeling & Mt Duncan U prospects),

Helicopter based radiometric anomaly follow up - one new occurrence of secondary U mineralisation in metasomatised Qtz-tourmaline 5km nth of Mt Freeling,

Ground recon

Costeaming - NSA

One new occurrence of secondary U mineralisation in metasomatised quartz-tourmaline 5km nth of Mt Freeling and 17 new occurrences of secondary uranium in Napperby gneiss located as part as helicopter based radiometric anomaly investigation. Ground reconnaissance located several minor secondary uranium occurrences within the Napperby Gneiss, generally adjacent to WNW trending shear zones. In total, 30 occurrences of secondary U have been identified within EL8411, 22 of these within Napperby Gneiss.

Costeaming at Napperby Creek and Mt Freeling returned no significant assays.

A P-REE prospect discovered at Nolan's Bore with economic grades of P₂O₅ (28-32%) and REO (7-10%) returned from an apatite vein system over 2km strike length.

It does not appear that any of this work overlapped the Milton Park tenement EL24746.

CR1998-0009 (Mt Hay, Sixteen Mile Project: EL9565, EL9566, EL8126, EL8988)

Author: Home, D.P., Wilkinson, D. L., and McCoy, A. D., 1997

Company: Rio Tinto Exploration Pty Ltd

Commodity: Ni, Cu, PGE

Dates: 15/09/1996 – 14/19/1997

Tenements EL9565 and 9566 covered the southern half of Milton Park.

Literature review, Mapping, Rock Chip sampling, Petrology,

Airborne EM (3900 line km) mag /rad,

Soil sampling

Ground mags & EM

Drilling – Diamond, RAB, RC (a number of RAB collars appear to be within Milton Park),

Downhole conductivity, Rehabilitation

Petrology

Exploration focussed on Ni/Cu/REE. The Mt Hay massif was recognised as a layered igneous intrusive and observations suggested that stratigraphically lower, potentially mineralised parts of the complex were concealed below Cainozoic sediments to the north. The area was investigated, however complex deformation made it difficult to pinpoint (layered intrusive) prospective areas and the area was subsequently relinquished.

RC97MH001 to 003 targeted airborne EM features and appear to be within Milton Park. These holes intersected garnetiferous gneisses and granulites. Max U assay 1.85ppm from 99-100m in RC97MH002.

RA97MH001-007 appear to be within Milton Park

Report contains geological logs, assays – including U assays, geological maps covering the southern half of Milton Park tenement EL24746 and a depth to basement plan.

The depth to basement plan is useful in terms of secondary U exploration and has been derived from hole collars. Whilst collars are not labelled with hole ID's it appears that there are a significant number of historic RAB holes within the southern half of the Milton Park tenement.

CR2002-0356 (Mt Hay, EL22615, Mt Chapple EL22616, Beaver Dam 1 EL22631, Beaver Dam 2 EL22632)

Author:

Company: Mithril Resources Ltd (BHPB JV)

Commodity: Ni, Cu

Dates: 18/12/2001-17/12/2002

No on the ground exploration was conducted during the reporting period.

CR2003-0087 (EL10264)

Author:

Company: Johnson's Well Mining N.L.

Commodity:

Dates: 20/02/2002-19/02/2003

This tenement overlaps the Southern extremity of Milton Park EL24746.

No active exploration was undertaken during the reporting period. The open file document contains an expenditure report and a cover letter requesting a Nil Annual Report be registered for the tenement.

CR2003-0351 (Rand Project, EL10251)

Author: Washburn, C.

Company: Gutnick Resources N.L. (JV with Johnson's Well Mining N.L.)

Commodity: Au

Dates: 28/03/2002 – 27/03/2003

This tenement covered the northern quarter of Milton Park EL24746.

Exploration focussed on a quest for Witwatersrand style gold deposit analogues along the SE margin of the Ngalia Basin. Work was limited to an open file literature search, limited geochemical orientation sampling, and the purchase and processing of Landsat7 Thematic mapper & govt. geophysical imagery.

CR2004-0366 (Rand Project, EL10239-41, EL10246, EL10248, EL10251, EL10252, EL10253, EL10261, EL10264, EL10266-70, EL10290-92, EL10294, EL22460-61, EL22703)

Author: Washburn, C.

Company: Gutnick Resources N.L. (JV with Johnson's Well Mining N.L.)

Commodity: Au

Dates: 28/03/2001 – 23/07/2003

Historical tenements EL10251 and EL10252 cover the northern third of Milton Park, whilst EL10264 overlapped the southern extremity of EL24746.

Exploration focussed on a quest for Witwatersrand style gold deposit analogues along the SE margin of the Ngalia Basin. Work was limited to an open file literature search, limited geochemical orientation sampling, and the purchase and processing of Landsat7 Thematic mapper & govt. geophysical imagery.

Rockchip, Stream sediment and base of slope samples were collected; however none were collected from the tenements that overlapped the Milton Park area.

CR2004-0184 (Mt Chapple Project: Mt Hay, EL22615, Mt Chapple EL22616)

Author: White, M.

Company: BHP Billiton Minerals Pty Ltd

Commodity: Ni, Cu

Dates: 17/12/2002 – 16/12/2003

Combined Annual and Final Report.

No on the ground exploration was conducted during the reporting period.

CR2004-0332 / CR2004-0713 (Burt Plain Project EL22922)

Author: Rohde, C. / McBain G.

Company: Tanami Exploration NL

Commodity: Au?

Dates: 23/12/2002- 12/11/2004

Letter only requesting exemption from submitting a partial surrender report and subsequent letter in lieu of a Second Annual and Final Report. Tenement Surrendered 12th November 2004.

Regional Assessment was said to have been completed. No on the ground exploration was undertaken.