<table>
<thead>
<tr>
<th><strong>Titleholder</strong></th>
<th>Northern Mining Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operator (if different from above)</strong></td>
<td>as above</td>
</tr>
<tr>
<td><strong>Titles/tenements</strong></td>
<td>EL 24746</td>
</tr>
<tr>
<td><strong>Tenement Manager</strong></td>
<td>Austwide Mining Title Management Pty Ltd</td>
</tr>
<tr>
<td><strong>Mine/Project Name</strong></td>
<td>Milton Park</td>
</tr>
<tr>
<td><strong>Report title including type of report and reporting period including date</strong></td>
<td>Annual report for Milton Park EL 24746 for the period 13/04/2011 to 12/04/2012</td>
</tr>
<tr>
<td><strong>Personal author(s)</strong></td>
<td>Dr Michael Green Remote Area GeoScience</td>
</tr>
<tr>
<td><strong>Corporate author(s)</strong></td>
<td>Northern Mining Limited</td>
</tr>
<tr>
<td><strong>Target commodities</strong></td>
<td>copper, nickel</td>
</tr>
<tr>
<td><strong>Date of report</strong></td>
<td>18 June 2012</td>
</tr>
<tr>
<td><strong>Datum/zone</strong></td>
<td>GDA94/Zone 53</td>
</tr>
<tr>
<td><strong>250 000 K mapsheet(s)</strong></td>
<td>Hermannsburg (SF53-13)</td>
</tr>
<tr>
<td><strong>100 000 K mapsheet(s)</strong></td>
<td>Anburla (5551) Narwietooma (5451)</td>
</tr>
<tr>
<td><strong>Contact details</strong></td>
<td>Dr Michael Green <a href="mailto:remote.geo@bigpond.com">remote.geo@bigpond.com</a></td>
</tr>
</tbody>
</table>

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Northern Mining Limited

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Figure 5 EL 24746 over regional Thorium channel
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Figure 7 EL 24746 over ASTER opaque (colour) over false colour (grey)
1.0 Summary

EL 24746 is part of Northern Mining Limited’s Central Australia project. In the 6th year of tenure, no field work was completed on EL 24746. A review of the tenement, including using the recently released multispectral ASTER imagery, has downgraded the uranium prospectivity of the area and the exploration strategy will now focus on the copper-nickel-sulphide potential.

At the end of the 6th year of tenure, 73 blocks were relinquished, leaving 73 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 remaining portion of the lease. Numerous station tracks and fence lines cross the tenement. This report covers the work completed on EL 24746 in the 6th 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. The retained portion of EL 24746 lies within the Amburla and Hamilton Downs perpetual pastoral leases.

NuPower Resources entered into a Joint Venture agreement with Northern Mining Limited in August 2008 to explore the tenement for uranium, thorium and coal. They completed some work over EL 24746, but the agreement was terminated on 25 November 2010.

A partial waiver to reduce 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. These sub-blocks define two quite separate areas and are within the Aileron and Amburla perpetual pastoral leases. At the end of the 6th year of tenure a further 73 sub-blocks were relinquished, including the entire northern portion. The tenement has been renewed for two more years.

<table>
<thead>
<tr>
<th>Tenement</th>
<th>Ten no.</th>
<th>Blocks Granted</th>
<th>Blocks Relinquished</th>
<th>Blocks Retained</th>
<th>Grant Date</th>
<th>Expiry Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milton Park</td>
<td>24746</td>
<td>498</td>
<td>425</td>
<td>73</td>
<td>13 Apr 2006</td>
<td>12 Apr 2012</td>
</tr>
</tbody>
</table>

Table 1: Tenement details
4.0 Geology/Prospectivity

Originally, EL 24746 covered three distinct geological domains and the tenement was prospective for at least three main styles of mineralization:

- Burt Basin – shallow Cenozoic basin overlying Arunta basement prospective for shallow secondary uranium (New Well U),
- Ngalia Basin – Neoproterozoic to Carboniferous basin known to contain sandstone-hosted uranium (Bigrlyi U), and
- Arunta region – basement to the above basins and known to contain many styles of mineralization.

The latest reductions have retained the Arunta region only and so the greatest potential within EL 24746 is for magmatic copper-nickel sulphide accumulations related to mafic-ultramafic intrusions, such as Mount Hay.

4.1 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 EL 24746, 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.

4.2 Government geology

EL 24746 is covered by the Hermannsburg and Napperby 1:250,000-scale geology sheets (Figure 2), which were published in 1995 and 1980, respectively. Figure 2 shows that the relinquished parts of the tenement contained very limited outcrop, whereas the retained portion has the eastern extensions of the Mount Chapple trend. Figure 3 shows the most recent Bouguer Gravity anomaly of the area with EL 24746 positioned on the southern margin of a significant gravity high. Figure 4 shows that the magnetic texture of the area around EL 24746 is extremely complicated, consistent with the large-scale folding identified within the Mount Chapple outcrops (see Figure 2). Figure 5 shows the thorium-channel from the regional radiometrics which highlights the outcropping areas.
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Figure 2: EL 24746 over published 1:250,000 geology map

June 2012  GSA94  1:330000
Northern Mining Limited

Figure 4: EL 24746 over regional Total Magnetic Intensity (colour) draping 1st vertical derivative

June 2012  GSA94  1:330000
Recently, a set of 16 multispectral ASTER images were released by CSIRO in partnership with the Northern Territory Geological Survey. The data for these images were collected by the ERSDAC satellite which records the spectral reflectance of sunlight from the ground and hence the surface mineral composition. These data have yet to be field tested in all geological settings, but their potential to find mineral deposits is significant. There are some artifacts in the data with the most obvious being differences between adjacent swathes (Figure 6). Such contrasts reflect data collection at markedly different times (e.g., seasons), when there was different vegetation cover, possibly related to fires. The reflectance of a cloud and its shadow are also obvious in the opaque image (Figure 7). Figure 6 shows the MgOH content (read abundance) over the grey-scale false colour image. Within EL 24746, the MgOH content probably maps hydrated Mg-rich silicates such as amphibole, epidote and chlorite. The image may also be detecting various carbonate species. Figure 7 shows the Opaque index and detects areas with very low total reflectance (low albedo). Note how the cloud shadow produces a ‘hot spot’. This image may detect magnetite and sulphide in the outcropping maifc-ultramfic units. All of the ASTER images need to be field tested.

4.3 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 was implemented and significant work was undertaken focussed exclusively on potential uranium accumulations with the Tertiary Burt Basin. Exploration included:

- 1068.9 line kilometres of airborne EM surveys (as part of a larger survey in the Aileron Province),
- analysis of 15 water samples from thirteen water bores,
- fifteen vegetation samples from various plant species as part of a regional biogeochemical orientation sampling program, and
• contribution to the NTGS helicopter-borne regional gravity survey to infill the 2 km-spaced survey (Figure 3).

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. There was little meaningful work for the 5th year of tenure.

5.4 Year 6

In the sixth year of tenure, no field work was completed. A review of EL 24746 downgraded the uranium potential of the tenement and so only the area around the mafic-ultramafic bodies in the south of the tenement was retained.

A covenant of $29,000 was proposed for the sixth year. But in the absence of any field work only $6,936 was spent.

<table>
<thead>
<tr>
<th>Item</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geologist salary (report writing, data interpretation)</td>
<td>6,031</td>
</tr>
<tr>
<td>Administration (15 %)</td>
<td>905</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$6,936</strong></td>
</tr>
</tbody>
</table>

Table 2: Expenditure on EL 24746 for sixth year of tenure.

5.5 Year 7 (proposal)

In the seventh year of tenure, work will focus on testing the mafic-ultramafic bodies for magmatic copper-nickel sulphide mineralization. This will involve field mapping and sampling. The new ASTER imagery will also be field tested. A ground electromagnetic survey will be used to identify any sub-surface conductors, hopefully related to massive sulphide accumulations.

<table>
<thead>
<tr>
<th>Item</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mapping mafic-ultramafic intrusion (field work)</td>
<td>$30,000</td>
</tr>
<tr>
<td>Ground geophysics (EM)</td>
<td>$60,000</td>
</tr>
<tr>
<td>Assays</td>
<td>$5,000</td>
</tr>
<tr>
<td>Interpretation of field data</td>
<td>$10,000</td>
</tr>
<tr>
<td>Administration (15 %)</td>
<td>$15,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$120,000</strong></td>
</tr>
</tbody>
</table>

Table 3: Proposed expenditure for seventh year of tenure.

6.0 Environmental

No ground disturbing work has been undertaken on EL 24746.
Figure 6: EL 24746 over ASTER MgOH (colour) over false colour

Northern Mining Limited

June 2012   GSA94   1:330000
APPENDIX 1

SUMMARY HISTORIC EXPLORATION

(taken from 2010 Annual Report)
<table>
<thead>
<tr>
<th>Open File Report Number</th>
<th>Dates</th>
<th>Company</th>
<th>Commodity</th>
<th>Tenement</th>
<th>Work Completed</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR1971-0064</td>
<td>7&lt;sup&gt;th&lt;/sup&gt; May 1971 – 6&lt;sup&gt;th&lt;/sup&gt; May 1972</td>
<td>CRA Exploration Pty Ltd</td>
<td>Base metals, Cu, Pb, Zn, Co, Cr, Ag, Ni, Mo, U</td>
<td>AP2889</td>
<td>Ground magnetics, Radiometrics, Geochemistry, Petrography,</td>
<td>Contains maps of sample locations</td>
</tr>
<tr>
<td>CR1973-0004</td>
<td>10&lt;sup&gt;th&lt;/sup&gt; April 1972 – 16&lt;sup&gt;th&lt;/sup&gt; June 1972</td>
<td>Horizon Explorations Ltd</td>
<td>U</td>
<td>EL7</td>
<td>Water Sampling, Drilling [Mo, Cu, V, U3O8],</td>
<td>10 holes for 657m [AN1–AN10], AN1, AN2 and AN9 within Milton Park. Report contains graphic logs.</td>
</tr>
<tr>
<td>CR1995-</td>
<td>- 1994</td>
<td>PNC</td>
<td>U</td>
<td>EL8411</td>
<td>Mapping</td>
<td>Only just overlaps</td>
</tr>
<tr>
<td>Open Report File Number</td>
<td>Dates</td>
<td>Company</td>
<td>Commodity</td>
<td>Tenement</td>
<td>Work Completed</td>
<td>Comments</td>
</tr>
<tr>
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<td>----------------------------------</td>
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<td>----------</td>
<td>--------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>0266</td>
<td></td>
<td>Exploration Australia Pty Ltd</td>
<td></td>
<td></td>
<td>Ground mags, Ground radiometrics, Airborne magnetics/radiometrics Geochemistry, Rock chip sampling, Petrography,</td>
<td>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.</td>
</tr>
<tr>
<td>CR1996-0187</td>
<td>-/11/1995</td>
<td>PNC Exploration Australia Pty Ltd</td>
<td>U</td>
<td>EL8411</td>
<td>Mapping, Costeans, Magnetics, Radiometrics</td>
<td>Mt Freling 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.</td>
</tr>
<tr>
<td>CR1998-0009</td>
<td>15/09/1996 - 14/09/1997</td>
<td>Rio Tinto Exploration Pty Ltd</td>
<td>Ni, Cu, PGE</td>
<td>EL9565, EL9566</td>
<td>Literature review, Mapping, Rock Chip sampling, Petrology, Airborne mag/rad, Soil sampling Ground mags &amp; EM Drilling – Diamond, RAB, RC, Downhole conductivity, Rehabilitation</td>
<td>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.</td>
</tr>
<tr>
<td>CR2002-0352</td>
<td>18/12/2001-17/12/2002</td>
<td>Mithril Resources (BHPB JV)</td>
<td>Ni, Cu</td>
<td>EL22615, EL22616, EL22631, EL22632</td>
<td>-</td>
<td>No on the ground exploration was conducted.</td>
</tr>
<tr>
<td>CR2003-0087</td>
<td>20/02/2002-19/02/2003</td>
<td>Johnson’s Well Mining N.L.</td>
<td>Not Stated</td>
<td>EL10264</td>
<td>-</td>
<td>No on the ground exploration was conducted.</td>
</tr>
<tr>
<td>CR2003-0351</td>
<td>28/03/2002-27/03/2003</td>
<td>Gutnick Resources N.L.</td>
<td>Au</td>
<td>EL10251</td>
<td>Literature review, Data processing (imagery &amp; geophysics)</td>
<td>No on the ground exploration was conducted. Report contains imagery &amp; geology maps.</td>
</tr>
<tr>
<td>CR2004-0166</td>
<td>28/03/2001-23/07/2003</td>
<td>Gutnick Resources N.L.</td>
<td>Au</td>
<td>EL10251, EL10252, EL10264,</td>
<td>Literature review, Data processing (imagery &amp; geophysics),</td>
<td>The only on ground exploration was geochemical sampling; however no samples were collected from the historic tenements that</td>
</tr>
</tbody>
</table>
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

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
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 Magnetics,
Ground Radiometrics
Helicopter reconnaissance
Ground reconnaissance
Rock chip sampling (multi element assays, U, REE, Ag, base metals)

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 metazomatised Qtz-tourmaline 5km nth of Mt Freeling,
Ground recon
Costeasing - 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.

Costeasing 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: 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: Johnson’s Well Mining N.L.
Commodity: Au
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 and 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 EL27476.

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

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?


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