

> QUARTERLY REPORT

Market Cap (31-March-2012)

\$22.6M (share price: 11c)

Cash (31-March-2012)

\$4.27M

Directors

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The Directors of Vector Resources Limited ("Vector" or the "Company" ASX: VEC) are pleased to provide the quarterly report for the period ended 31 March 2012.

At the date of this Quarterly Report, the Company has 205,645,833 fully paid ordinary shares and 176,889,666 listed options (\$0.20 exercise, 30 June 2012 expiry) on issue.

Key highlights

- Diamond Drill and Reverse Circulation (RC) drilling commenced during the quarter;
- Mineralisation continues to expand to the North West of known resource and unclassified material;
- High Grade intercepts identified from initial Phase 3 drill program;
- Interpretation work on aeromagnetic surveys over Clampton are complete;
- Interpretation work on aeromagnetic surveys over Mt Palmer is nearing completion;
- Additional Geological personnel joined the team with significant exploration, resource and mine geology experience.

During the third quarter of the financial year the Company has continued the aggressive exploration program at Gwendolyn East with outstanding results.

The major project hubs located near Southern Cross and the Earahedy basin has progressed during the quarter. Further details of the advancements of these projects are described in the following pages.

Southern Cross

Mt Dimer (M77/427, M77/428, M77/957, M77/958, M77/965, E77/1992, P77/4081)

During the quarter the technical team finalised the creation of electronic media of all historical hard copy data for the Mt Dimer projects. Southern GeoScience was commissioned to review the previously flown aeromagnetic data in combination with the completed geological database that includes the recent information from the reverse circulation (RC) and geochemical drill programs.

The 2 Program of Works (PoW) submitted in October and December 2011 for 483 holes totalling 24,150 metres of RAB drilling to explore the new green field targets identified from the Geochemical drilling are still pending approval. Once approval is obtained the technical team will commence the RAB program based in priority order.

Gwendolyn (E77/1580 & P77/3976)

Tenement P77/3976 has been the priority of the Company during the quarter with the majority of the technical team focusing on the drilling programs. In February, the Company commenced diamond drilling on the project to complete 8 PQ³ diamond core holes as part of the Phase 3 program for geotechnical and metallurgical test work. Historical information of the metallurgical properties of the oxide material is very limited and there has previously been no drilling through the transition and fresh rock until Vector commenced drilling in June last year.

This drilling has been completed, with 75% of the core logged for geotechnical and geological information. A quarter of the core is being sampled on single metre intervals while half the core is being prepared for metallurgical test work and the remaining quarter will be kept as a core library. This work will continue during April with the aim to complete a structural model and metallurgical flow-sheet, mass balance and plant design recommendations by the end of June.

A RC rig was mobilised to site in mid-February to commence 139 holes of the Phase 3 program (approved in January this year). The RC component of the Phase 3 drill program totalling 17,294 metres was designed with two main aims, firstly to test the potential extensions of mineralisation beyond the current envelope. Secondly, to complete infill drilling within the unclassified exploration target to meet the required drill density for JORC classification. During the quarter, 66 holes were drilled for a total of 6,464 metres.

Since RC drilling commenced in February 2012, initial assay results from holes G054 to G098 have been received. 22 holes of the 45 initially assayed returned significant single metre intercepts with a further 4 holes with composite results requiring further analysis. Of these initial 45 holes submitted, 9 holes totalling 1,336 samples have assay results pending.

These holes indicate that the mineralisation continues to dip to the West. Significant high grade intercepts identified in holes G083, G084, G086, G089, G090 and G097 on the western boundary of the known mineralisation would indicate the continuation of previously identified high grade zones of 10m @ 4.13 g/t including 2m @ 13.94 g/t, 7m @ 22.88 g/t, 1m @ 27.6 g/t, 2m @ 11.95 g/t, 3m @ 57.91 g/t, 2m @ 4.16 g/t, 2m @ 8.93 g/t and 1m @ 7.52 g/t, identified in the Phase 1 and 2 program from holes G014, G016, G017, G019, G028 and G041.

Hole G075 drilled on the north-west extent of the current drill program has identified a possible parallel high grade load with 5m @ 22.68 Au g/t inclusive of 1m @ 107.70 Au g/t from 21 metres down hole. This intercept will be further explored during this Phase 3 and future Phase 4 drill program.

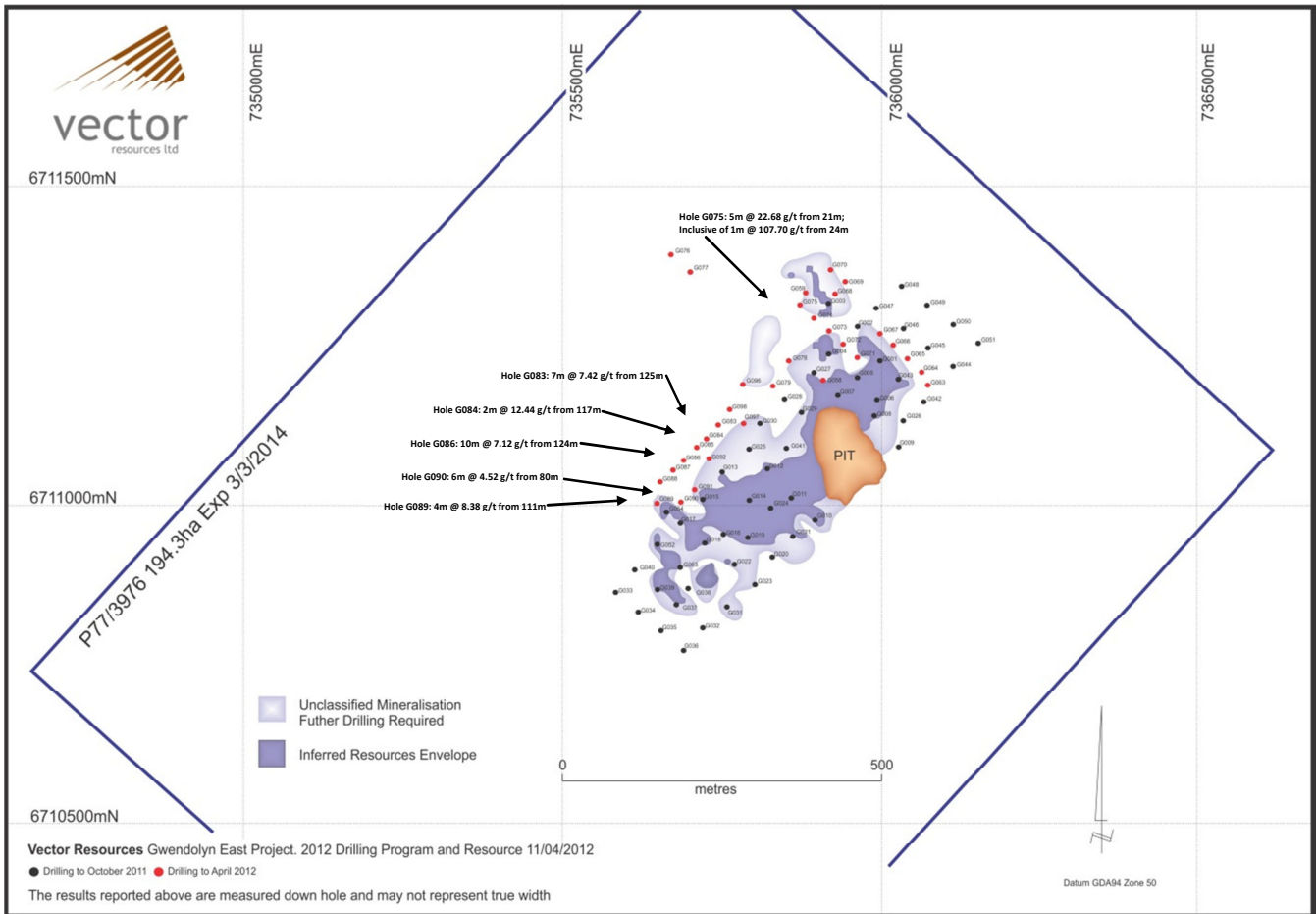


Figure 1: The plan view above represents the collar locations of the RC holes that reported significant intercepts above 0.8 g/t.

This Phase 3 drill program has also revealed larger bands of 0.2 to 0.8 Au g/t intercepts between the significant intercepts reported. A total of 145 single metre intercepts were also identified within the range of 0.2 to 0.8 Au g/t in the 22 holes reported as having significant intercepts. These results have prompted the sampling of single metre intervals from the Phase 1 and 2 drill programs previously not sampled. If this trend continues, it has the potential to significantly reduce the internal waste volumes.

Table 1: of drill hole single assay results with significant gold intercepts 0.8g/t Au or greater

| SiteID | SampleID | Dip | Azimuth | East | North | TDepth | DepthFrom | DepthTo | Au | Significant Intercepts |
|--------|----------|-----|---------|--------|---------|--------|-----------|---------|-------|------------------------|
| GO46 | S09855 | -60 | 130 | 736029 | 6711292 | 120 | 25 | 26 | 3.90 | |
| GO53 | S10868 | -60 | 130 | 735676 | 6710919 | 120 | 99 | 100 | 2.28 | |
| G058 | S14476 | | | | | | 16 | 17 | 0.83 | |
| G058 | S14489 | | | | | | 28 | 29 | 1.69 | 4m @ 3.09 g/t |
| G058 | S14490 | | | | | | 29 | 30 | 4.58 | |
| G058 | S14491 | | | | | | 30 | 31 | 4.49 | |
| G058 | S14492 | -90 | 0 | 735905 | 6711214 | 72 | 31 | 32 | 1.58 | |
| G058 | S14532 | | | | | | 68 | 69 | 2.45 | 4m @ 2.08 g/t |
| G058 | S14533 | | | | | | 69 | 70 | 2.71 | |
| G058 | S14534 | | | | | | 70 | 71 | 1.78 | |
| G058 | S14535 | | | | | | 71 | 72 | 1.39 | |
| G059 | S14589 | -60 | 130 | 735877 | 6711346 | 96 | 50 | 51 | 0.81 | |
| G065 | S15199 | -60 | 130 | 736034 | 6711244 | 100 | 56 | 57 | 0.87 | 2m @ 0.93 g/t |
| G065 | S15200 | | | | | | 57 | 58 | 0.98 | |
| G066 | S15284 | | | | | | 36 | 37 | 20.51 | |
| G066 | S15310 | -60 | 130 | 736008 | 6711267 | 100 | 61 | 62 | 8.45 | 2m @ 4.63 g/t |
| G066 | S15311 | | | | | | 62 | 63 | 0.81 | |
| G066 | S15333 | | | | | | 82 | 83 | 1.09 | |
| G067 | S15457 | -60 | 130 | 735989 | 6711285 | 114 | 99 | 100 | 1.28 | 2m @ 1.11 g/t |
| G067 | S15458 | | | | | | 100 | 101 | 0.93 | |

| SiteID | SampleID | Dip | Azimuth | East | North | TDepth | DepthFrom | DepthTo | Au | Significant Intercepts |
|--------|----------|-----|---------|--------|----------------|--------|-----------|---------|--------|------------------------|
| G068 | S15497 | -60 | 130 | 735923 | 6711347 | 108 | 22 | 23 | 0.91 | |
| G070 | S15725 | -60 | 130 | 735918 | 6711380 | 120 | 28 | 29 | 1.01 | |
| G072 | S16000 | -60 | 130 | 735940 | 6711273 | 100 | 64 | 65 | 2.12 | |
| G073 | S16055 | -60 | 130 | 735918 | 6711288 | 100 | 16 | 17 | 0.80 | 3m @ 1.14 g/t |
| G073 | S16056 | | | | | | 17 | 18 | 1.64 | |
| G073 | S16057 | | | | | | 18 | 19 | 0.98 | |
| G073 | S16073 | | | | | | 33 | 34 | 2.34 | |
| G073 | S16084 | | | | | | 43 | 44 | 0.81 | |
| G075 | S16273 | -60 | 130 | 735864 | 6711330 | 100 | 21 | 22 | 0.84 | 2m @ 1.82 g/t |
| G075 | S16274 | | | | | | 22 | 23 | 2.80 | 2m @ 54.55 g/t |
| G075 | S16276 | | | | | | 24 | 25 | 107.70 | |
| G075 | S16277 | | | | | | 25 | 26 | 1.39 | |
| G076 | S16396 | -60 | 130 | 735671 | 6711401 | 84 | 36 | 37 | 3.78 | 2m @ 2.30 g/t |
| G076 | S16397 | | | | | | 37 | 38 | 0.81 | |
| G076 | S16405 | | | | | | 45 | 46 | 0.88 | |
| G079 | S16714 | -60 | 130 | 735822 | 6711200 | 126 | 40 | 41 | 1.05 | |
| G079 | S16728 | | | | | | 53 | 54 | 0.87 | |
| G083 | S17201 | -60 | 130 | 735703 | 6711396 | 150 | 118 | 119 | 4.13 | 7m @ 7.42 g/t |
| G083 | S17208 | | | | | | 125 | 126 | 4.29 | |
| G083 | S17209 | | | | | | 126 | 127 | 18.30 | |
| G083 | S17210 | | | | | | 127 | 128 | 2.63 | |
| G083 | S17211 | | | | | | 128 | 129 | 9.19 | |
| G083 | S17212 | | | | | | 129 | 130 | 5.42 | |
| G083 | S17213 | | | | | | 130 | 131 | 11.20 | |
| G083 | S17214 | | | | | | 131 | 132 | 0.89 | 3m @ 1.28 g/t |
| G083 | S17220 | | | | | | 136 | 137 | 1.62 | |
| G083 | S17227 | | | | | | 143 | 144 | 2.00 | |
| G083 | S17228 | | | | | | 144 | 145 | 0.87 | |
| G083 | S17229 | | | | | | 145 | 146 | 0.98 | |
| G084 | S17337 | | | | | | -60 | 130 | 735686 | |
| G084 | S17341 | 100 | 101 | 1.84 | | | | | | |
| G084 | S17359 | 117 | 118 | 23.67 | 2m @ 12.44 g/t | | | | | |
| G084 | S17360 | 118 | 119 | 1.21 | | | | | | |
| G084 | S17388 | 144 | 145 | 1.10 | | | | | | |
| G085 | S17483 | -60 | 130 | 735671 | 6711362 | 174 | 83 | 84 | 1.08 | |
| G085 | S17486 | | | | | | 86 | 87 | 0.90 | |
| G086 | S17711 | -60 | 130 | 735653 | 6711344 | 168 | 124 | 125 | 4.48 | 2m @ 17.85 g/t |
| G086 | S17712 | | | | | | 125 | 126 | 31.22 | |
| G086 | S17714 | | | | | | 127 | 128 | 14.11 | 2m @ 13.04 g/t |
| G086 | S17716 | | | | | | 128 | 129 | 11.96 | |
| G086 | S17718 | | | | | | 130 | 131 | 4.28 | 4m @ 2.22 g/t |
| G086 | S17719 | | | | | | 131 | 132 | 1.61 | |
| G086 | S17720 | | | | | | 132 | 133 | 2.20 | |
| G086 | S17721 | | | | | | 133 | 134 | 0.80 | |
| G086 | S17735 | 146 | 147 | 1.05 | | | | | | |
| G087 | S17816 | -60 | 130 | 735634 | 6711330 | 126 | 54 | 55 | 1.04 | |
| G087 | S17822 | | | | | | 60 | 61 | 1.17 | |
| G087 | S17836 | | | | | | 73 | 74 | 3.37 | |
| G089 | S18164 | -60 | 130 | 735643 | 6711016 | 156 | 106 | 107 | 0.98 | 4m @ 8.38 g/t |
| G089 | S18170 | | | | | | 111 | 112 | 22.55 | |
| G089 | S18171 | | | | | | 112 | 113 | 8.89 | |
| G089 | S18172 | | | | | | 113 | 114 | 1.00 | |
| G089 | S18173 | | | | | | 114 | 115 | 1.09 | |

or 5m @ 22.68 g/t

or 10 m @ 7.12 g/t

| SiteID | SampleID | Dip | Azimuth | East | North | TDepth | DepthFrom | DepthTo | Au | Significant Intercepts | | | | | | |
|--------|----------|-----|---------|--------|---------|--------|-----------|---------|--------|------------------------|---------|-----|----|------|------|-------------------|
| G090 | S18303 | -60 | 130 | 735680 | 6711019 | 150 | 80 | 81 | 20.57 | 2m @ 1.83 g/t | | | | | | |
| G090 | S18305 | | | | | | 82 | 83 | 1.42 | | | | | | | |
| G090 | S18307 | | | | | | 84 | 85 | 1.08 | | | | | | | |
| G090 | S18308 | | | | | | 85 | 86 | 2.57 | | | | | | | |
| G090 | S18321 | | | | | | 97 | 98 | 1.04 | | | | | | | |
| G090 | S18323 | | | | | | 99 | 100 | 1.93 | | | | | | | |
| G090 | S18325 | | | | | | 101 | 102 | 0.80 | | | | | | | |
| G090 | S18329 | | | | | | 105 | 106 | 4.06 | | | | | | | |
| G090 | S18334 | | | | | | 109 | 110 | 1.02 | | | | | | | |
| G090 | S18338 | | | | | | 113 | 114 | 0.91 | | | | | | | |
| G090 | S18341 | | | | | | 116 | 117 | 0.84 | | | | | | | |
| G096 | S19031 | | | | | | -60 | 130 | 735775 | | 6711204 | 96 | 69 | 70 | 1.60 | or 6 m @ 4.52 g/t |
| G097 | S19146 | -60 | 130 | 735776 | 6711142 | 120 | 77 | 78 | 13.05 | 2m @ 7.21 g/t | | | | | | |
| G097 | S19147 | | | | | | 78 | 79 | 1.36 | | | | | | | |
| G097 | S19152 | | | | | | 83 | 84 | 2.11 | | | | | | | |
| G097 | S19163 | | | | | | 93 | 94 | 2.36 | 3m @ 2.46 g/t | | | | | | |
| G097 | S19164 | | | | | | 94 | 95 | 1.22 | | | | | | | |
| G097 | S19172 | | | | | | 100 | 101 | 2.55 | | | | | | | |
| G097 | S19173 | | | | | | 101 | 102 | 3.95 | | | | | | | |
| G097 | S19174 | | | | | | 102 | 103 | 0.89 | | | | | | | |
| G098 | S19267 | | | | | | -60 | 130 | 735754 | | 6711162 | 120 | 66 | 67 | 1.47 | |
| G098 | S19268 | | | | | | | | | 67 | | | 68 | 0.81 | | |
| G098 | S19269 | | | | | | | | | 68 | | | 69 | 1.58 | | |
| G098 | S19273 | | | | | | | | | 71 | | | 72 | 0.87 | | |

* Notes on sample intercept widths: The metre intervals detailed in the table above are measured down-hole lengths and are unlikely to be indicative of true width.

Composite samples received from 4 holes, have returned results above 0.8 g/t which require further single metre sample analysis, these results are currently pending.

Table 2 of drill hole assay results of Composites with significant gold intercepts 0.8g/t Au or greater

| SiteID | SampleID | Dip | Azimuth | North | East | TDepth | DepthFrom | DepthTo | Au g/t | Significant Intercepts |
|--------|----------|-----|---------|--------|---------|--------|-----------|---------|--------|------------------------|
| G058 | C03648 | -90 | 0 | 735905 | 6711214 | 72 | 48 | 52 | 3.18 | 8m @ 3.09 g/t |
| G058 | C03649 | | | | | | 52 | 56 | 3.00 | |
| G060 | C03690 | -90 | 0 | 735984 | 6711237 | 74 | 40 | 44 | 4.76 | 4m @ 4.76 g/t |
| G067 | C03869 | -60 | 130 | 735989 | 6711285 | 114 | 40 | 44 | 0.98 | 8m @ 0.92 g/t |
| G067 | C03870 | | | | | | 44 | 48 | 0.86 | |
| G069 | C03925 | -60 | 130 | 735905 | 6711621 | 100 | 32 | 36 | 1.01 | 4m @ 1.01 g/t |

Clampton (E77/1591)

The interpretation work of the raw data from the aeromagnetic survey carried out in the quarter 1 FY has been completed. This interpretation has identified two major areas of interest that will be investigated by the technical team in the months ahead. This work will initially involve, on the ground field investigations including mapping and surface sampling. The results of this work will refine potential exploration targets for drilling.

Mt Palmer (E77/1318, E77/1386, P77/3678)

The raw data provided from the aeromagnetic survey is currently with the geophysicist consultants for interpretation. Once completed, the team will use this data to identify potential exploration targets and determine if extensional structures to adjoining tenements that had substantial historical mining exist.

Leonora

Muriels Extension (M37/661, P37/7580-7587)

The aeromagnetic survey with 25 metre line spacing that was flown in the previous quarter was interpreted by the geophysicist consultants. The exploration team submitted a PoW for 172 RAB holes totalling 8,600 meters to the Department of Mines and Petroleum (DMP) in November 2011, approval is currently pending for this program.

Earaheedy Basin

Earaheedy Joint Venture (50% Vector Resources / 50% Cazaly Resources)

During the January – March 2012 Quarter Cazaly Resources completed the following exploration works within Exploration Licences E52/2183, E69/2061, E69/2062, E69/2063 and E69/2376 as managers of the Earraheedy (West) Joint Venture Project:

- Planning for earthworks and Reverse Circulation (RC) drilling within Exploration Licence E69/2063 at the Blue Cliffs and Blue Nugget manganese prospects
- Project review and base metal prospectively review of the Earraheedy Joint Venture Project (ongoing)

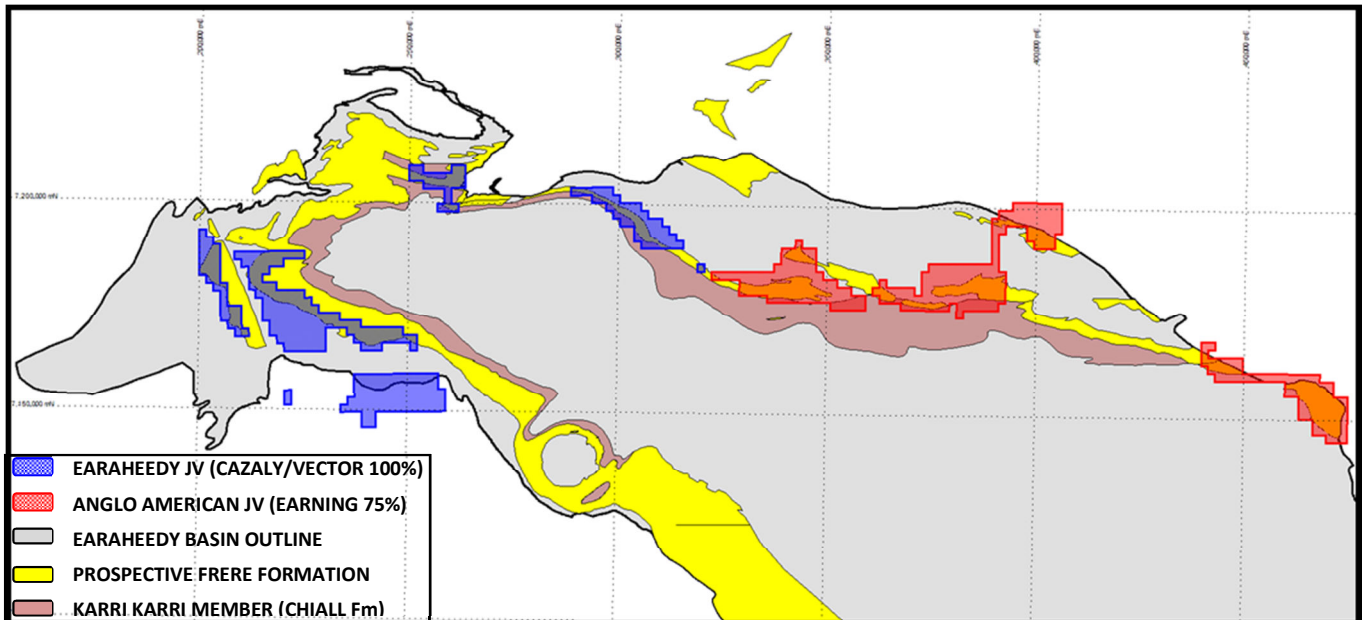


Figure 2: Plan view of EJV tenement locations.

EJV EXPLORATION ACTIVITIES

Planning for Earthworks and RC Drilling On Exploration Licence E69/2063

Approximately 1,650m of planned and approved (RC) drilling at the Blue Cliffs and Blue Nugget manganese prospects, located within Exploration Licence E69/2063, was scheduled to commence in mid-April 2012 on the Cunyu Pastoral Lease located approximately 120km north of Wiluna. Earthworks including track upgrading and repair, and the excavation of exploratory drill hole sumps was planned to commence on the 19th March 2012, to be completed by Goodwork Holdings, a Wiluna-based contracting company.

Tropical Cyclone Lua hit the northern Western Australian coast line on the 17th March 2012, crossing the coastline at Pardoo in the Pilbara. On the 18th March, 2012 winds and rain associated with Tropical Cyclone Lua hit the eastern Gascoyne Region, including the area encompassed by the Earraheedy Joint Venture Project Tenure. Ned's Creek Pastoral Lease recorded approximately 60mm of rain at the homestead, whilst Cunyu Pastoral Lease recorded approximately 90mm of rain at their homestead over a 10 day period, during and following the tropical

front. Heavy rain associated with the unusual tropical front for the region has delayed access to the Blue Cliffs and Blue Nugget manganese prospects, with the main access track currently impassable between Bill's Well and Eladge Bore where the access track cross the Lake Nabberu system (Figure 3). Pastoralist Ken Shaw from Cunyu has advised that this portion of the access track may be unpassable for up to three months.

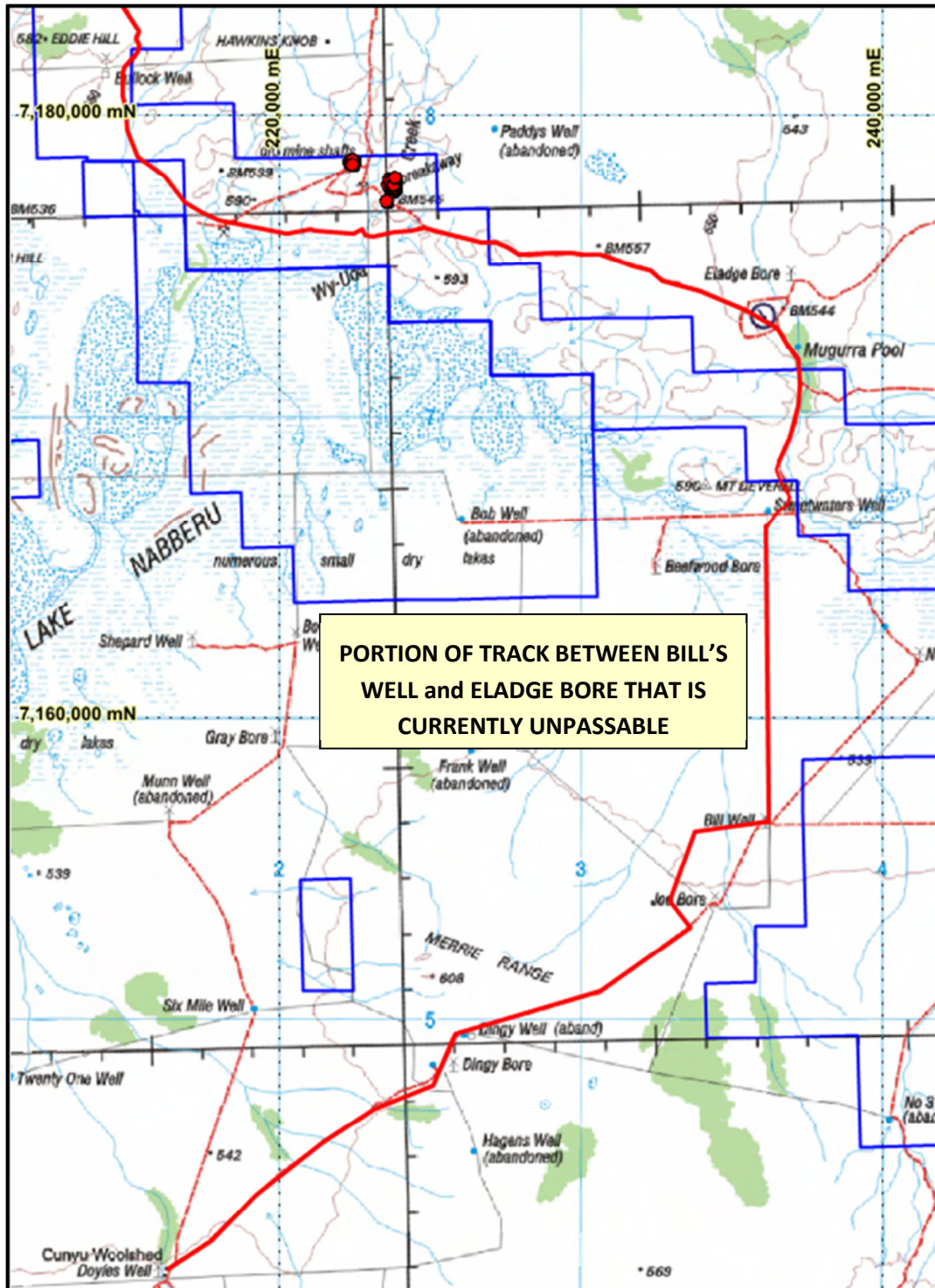


Figure 3: Cunyu Pastoral Lease main access track to the Blue Cliffs and Blue Nugget manganese prospects, and portion of track that is currently unpassable due to heavy rain associated with Tropical Cyclone Lua

Due to the condition of the main access track into the Blue Cliffs and Blue Nugget manganese prospects, Cazaly Resources is assessing alternative access routes both within the Cunyu Pastoral Lease, and access via the Ned's Creek Pastoral Lease from the West (Figure 4). Alternative access routes are still being assessed however, drilling is still expected to be completed prior to the 30th June 2012, so government co-funding will still be received (Royalties for Regions Exploration Incentive Scheme).

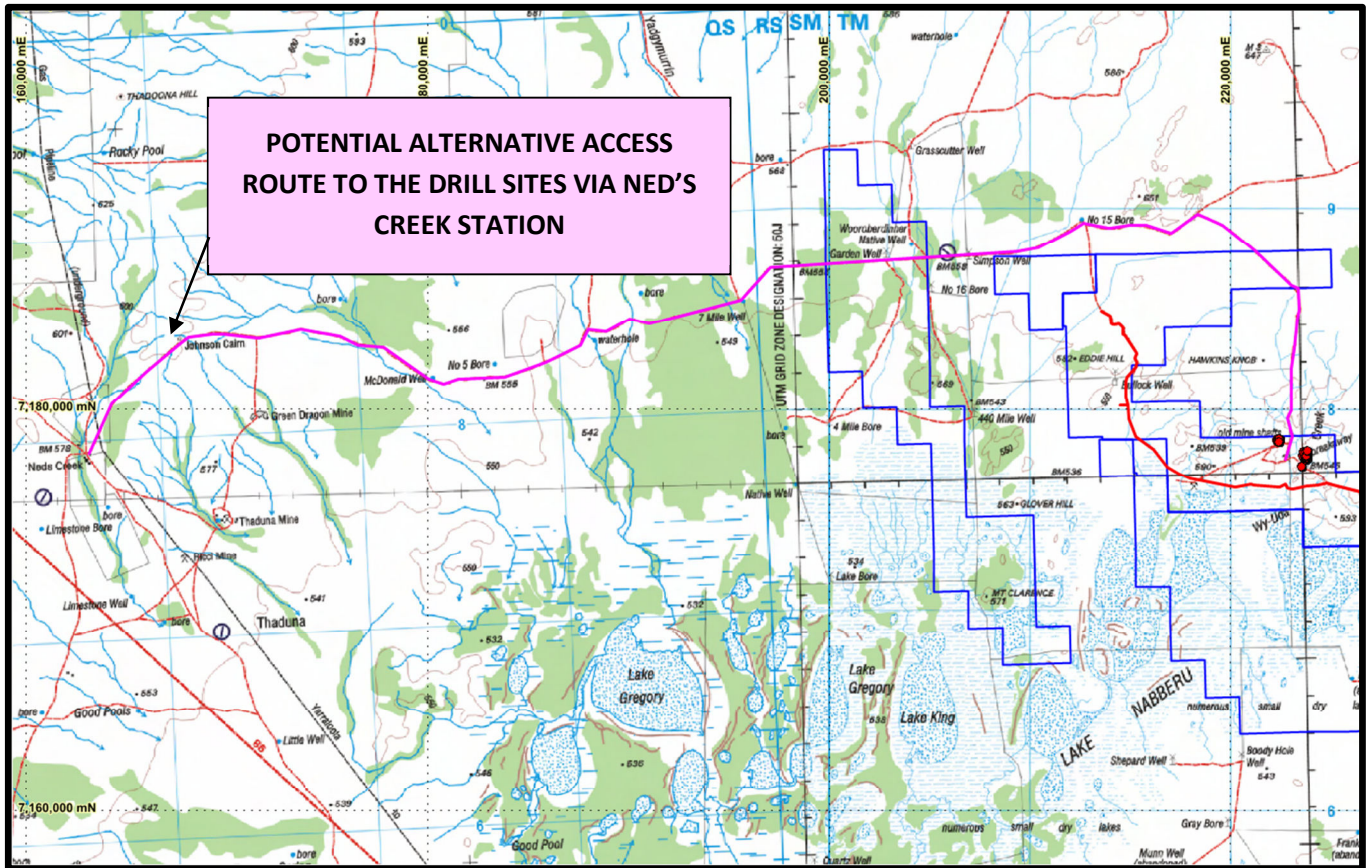


Figure 4: Potential alternative access route to the Blue Cliffs and Blue Nugget manganese prospects via Neds Creek Station. Condition of alternative access track is yet to be determined.

Base Metal Prospectivity of the Earahedy Joint Venture Project

RGC Exploration discovered the Magellan lead deposit located approximately 30km west-northwest of Wiluna in 1991. Following the recognition that the Magellan lead deposit is hosted by the Yelma Formation, the basal Formation of the Earahedy Group, RGC extended their exploration to the southern limb of the Earahedy Basin. Between 1992 and 1997 RGC Exploration held sixteen Exploration Licences in the Teague Project area and completed: 119 RC drill holes, 31 diamond drill holes, geological mapping, soil, stream and rock chip sampling, gravity surveying, aeromagnetic interpretation and laboratory studies (fluid inclusions and isotope studies). RGC's exploration discovered several sub-economic zinc-lead intersections, and proposed that zinc and lead mineralisation in the Yelma Formation is restricted to the southern limb and northward towards the western fold closure (including Hawkins Knob) of the Earahedy Basin. RGC proposed that primary porosity and hydrothermal dissolution in stromatolitic carbonates of the Navajoh Dolomite (now formally known as the Sweetwaters Well Member) were the principle controls on Zn-Pb mineralisation, and that mineralisation occurred during burial diagenesis. Mineralisation consisted of coarse grained sphalerite, galena, pyrite and marcasite. RGC Exploration attempted to farm out the Teague Project however, the project was abandoned in a time of low interest in base metals.

The ground previously held by RGC Exploration is now held by Zenith Minerals and Phosphate Australia, whom recently completed drilling programs directly to the east and south east of Exploration Licence E69/2063 for the exploration for base metal resources, specifically zinc and lead. Zinc-lead intercepts were returned from exploration programs completed by both companies and best intercepts are illustrated in Figure 5. Zinc-lead mineralisation is hosted within the Yelma Formation (underlying the iron ore prospective Frere Formation). Exploration Licence E69/2063 is proposed to be prospective for carbonate-hosted zinc-lead ± silver mineralisation, similar in style to the Magellan lead deposit.

The base metal prospectivity of the Earaheedy Joint Venture Project is at a very early stage of review and analysis. However, a handheld niton XRF survey is proposed as a first pass exploration technique for the exploration of base metal resources with the Project tenure. Overall project review of the Earaheedy Project Joint Venture is ongoing.

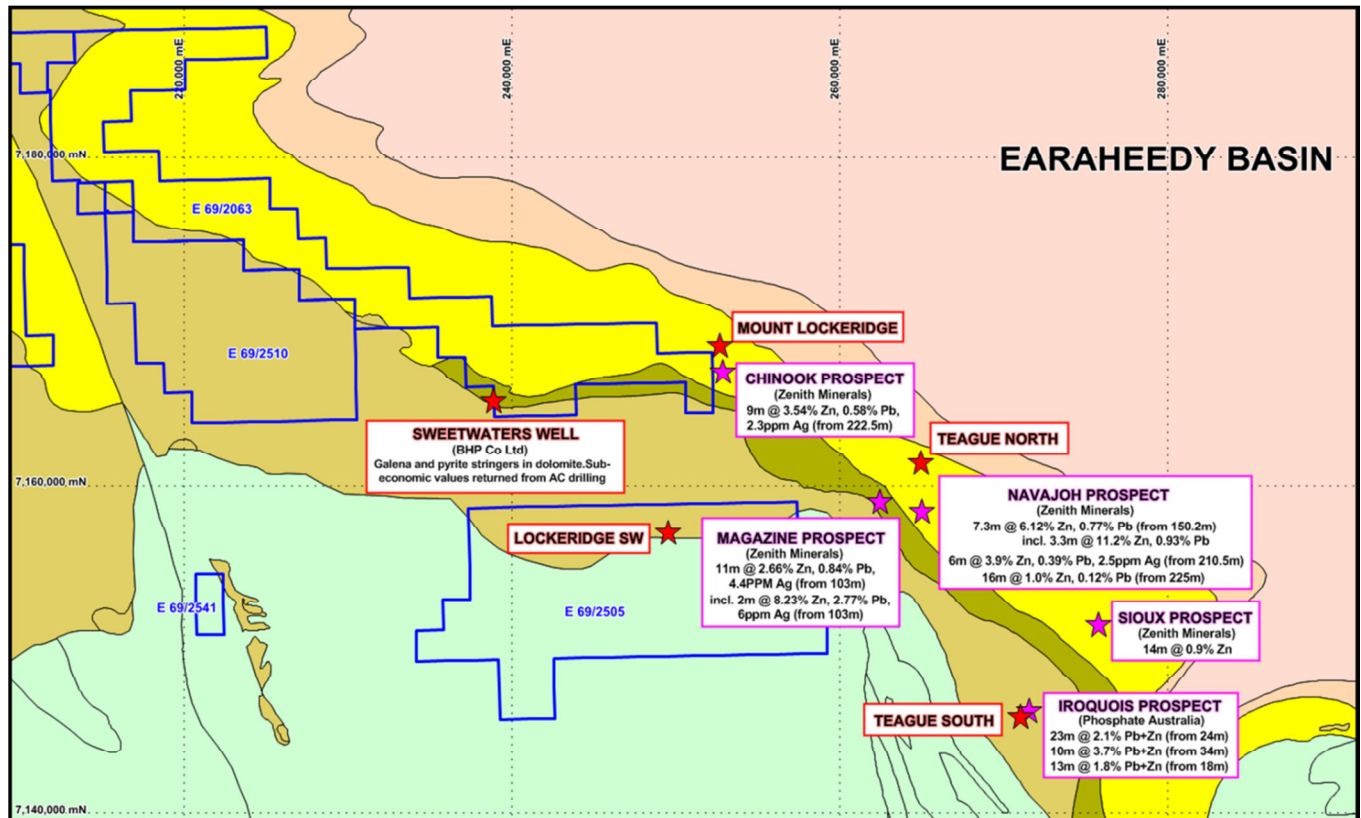


Figure 5: Base metal prospects (zinc, lead ± silver) located adjacent to Cazaly Resources Joint Venture tenure.

Anglo American Farm-In Executive Summary

- AAEA in conjunction with the Central Desert Native Title Services and 8 traditional owners that represented the Wiluna and Birriliburu people conducted a heritage survey for low impact exploration activities (e.g. field mapping and rock chip sampling) between the 27th and 30th of March. It is expected to received the survey results by middle May.
- A total of 23 rock chip samples were collected in 2011 from outcrop, subcrop and float samples taken from the Frere Formation around the Cecil Roads and Sydney Heads Prospect areas. Assay results of up to 65% Fe were returned from ferruginised GIF.
- A total of 17 samples were submitted to Teale & Associates for Petrological and Mineralogical descriptions. Surface samples submitted were predominantly iron-enriched Frere Formation.
- No field activities were conducted for the reported period due to land access issues and weather conditions.
- The fixed wing aeromagnetic survey over the Cecil Rhodes and Sydney Heads Projects was completed and final QA/QC approved, the final data shows a substantial improvement from regional data.

Aeromagnetic Survey

The fixed wing aeromagnetic survey over the Cecil Rhodes and Sydney Heads Projects was completed in December. Final data was received and final QA/QC completed. Final data shows a substantial improvement from regional data. Several grids had been completed (e.g. TMI, RTP, 1VD, 2VD, 3VD, Tilt, Horizontal Derivative; Fig. 6). Those images are currently being used as a base for geological and structural interpretations.

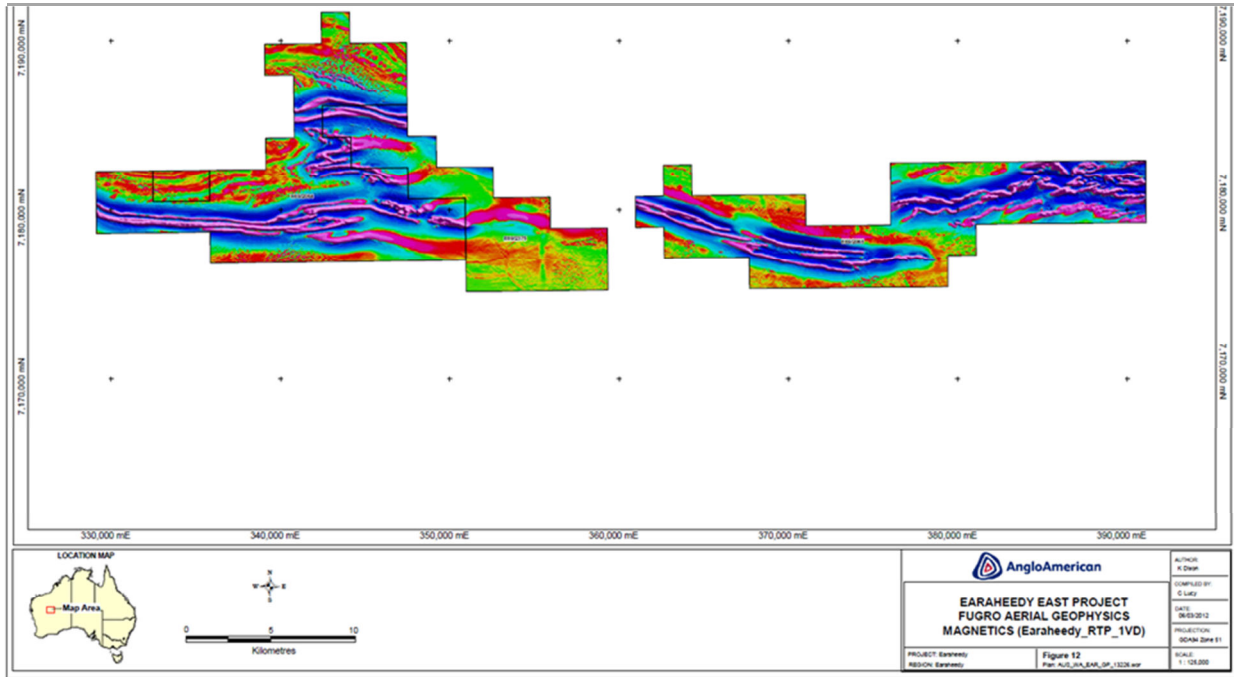


Figure 6: Airborne Magnetic Survey data, showing RTP 1VD on the Earaheedy Project.

Rock Chip and Petrographical samples

A total of 23 rock chip samples were collected in 2011. The samples were taken from outcrop, subcrop and float samples from the Frere Formation around the Cecil Roads and Sydney Heads Prospect areas (Fig. 7). These samples were submitted to ALS Analytical Laboratories in Perth to be analysed by the method ME-XRF11b. Results shows the high level of Fe content (up to ~65%; Table 3).

TABLE 3: XRF results for 2011 Earaheedy Project rock chip samples

| Sample ID | East | North | Fe % | Al ₂ O ₃ % | MnO % | S % | SiO ₂ % | P % | LOI % | Comment |
|-----------|--------|---------|-------|----------------------------------|-------|-------|--------------------|-------|-------|--|
| AUR102612 | 344160 | 7187400 | 64.87 | 1.05 | 0.062 | 0.096 | 3.01 | 0.065 | 2.42 | |
| AUR100048 | 342359 | 7186526 | 61.14 | 1.32 | 0.027 | 0.089 | 5.52 | 0.014 | 5.13 | Ferruginised GIF |
| AUR102613 | 343778 | 7187517 | 59.44 | 1.28 | 0.029 | 0.096 | 3.71 | 0.033 | 9.59 | |
| AUR100051 | 343445 | 7178861 | 56.98 | 2.96 | 0.19 | 0.07 | 2.63 | 0.576 | 10.59 | |
| AUR100049 | 342399 | 7186557 | 56.62 | 3.46 | 0.041 | 0.124 | 6.27 | 0.041 | 8.4 | Ferruginised shale outcrop |
| AUR100050 | 343425 | 7178860 | 55.50 | 3.73 | 0.298 | 0.077 | 3.56 | 0.52 | 10.89 | Ferruginised shale outcrop |
| AUR100053 | 343228 | 7179781 | 55.47 | 2.16 | 0.013 | 0.064 | 7.3 | 0.645 | 9.07 | Ferruginised shale |
| AUR100052 | 343254 | 7179812 | 55.40 | 3.3 | 0.009 | 0.154 | 4.91 | 0.54 | 9.7 | Ferruginised shale |
| AUR102634 | 342096 | 7182768 | 54.73 | 5.36 | 0.026 | 0.208 | 5.44 | 0.088 | 9.88 | |
| AUR100060 | 377046 | 7180555 | 49.40 | 1.43 | 0.048 | 0.029 | 17.65 | 0.451 | 8.93 | Fe-enriched GIF, around "quartzite": ~ "leached GIF" |
| AUR100062 | 377603 | 7178578 | 44.13 | 1.6 | 0.039 | 0.02 | 33.5 | 0.05 | 1.27 | Sydney Heads Conglomerate |
| AUR100057 | 375450 | 7170970 | 38.09 | 0.52 | 0.012 | 0.022 | 44.4 | 0.011 | 0.39 | Fe-enriched GIF, still magnetic |
| AUR100061 | 377037 | 7180579 | 38.00 | 2.21 | 0.029 | 0.032 | 36.3 | 0.395 | 5.86 | Fe-enriched GIF |
| AUR100058 | 375170 | 7170973 | 29.83 | 1.24 | 0.031 | 0.041 | 53.7 | 0.041 | 2.01 | Ferruginised / lateritised GIF |
| AUR100059 | 377098 | 7180312 | 29.55 | 1.64 | 0.009 | 0.054 | 52 | 0.069 | 3.42 | Fe-enriched GIF, weakly magnetic |
| AUR100054 | 376105 | 7177065 | 29.06 | 0.86 | 0.022 | 0.079 | 54.5 | 0.022 | 2.58 | Outcropping magnetic GIF |
| AUR100055 | 375448 | 7177013 | 26.93 | 1.5 | 0.012 | 0.014 | 58.7 | 0.032 | 0.97 | GIF |
| AUR102611 | 344090 | 7186666 | 24.16 | 0.77 | 0.634 | 0.064 | 60.1 | 0.062 | 3.4 | |

A total of 17 samples were submitted to Teale & Associates for Petrological and Mineralogical descriptions. This included 12 RC chip samples from Cazaly 2010 RC drilling and 5 hand samples from iron enriched Frere Formation at Cecil Rhodes and Sydney Heads Project (Fig. 7).

Polished thin sections were prepared and examined utilising both transmitted and reflected light microscopy. The surface samples represent iron enriched (supergene iron enrichment) equivalents of those samples observed in the deeper intersections from the various drill-holes.

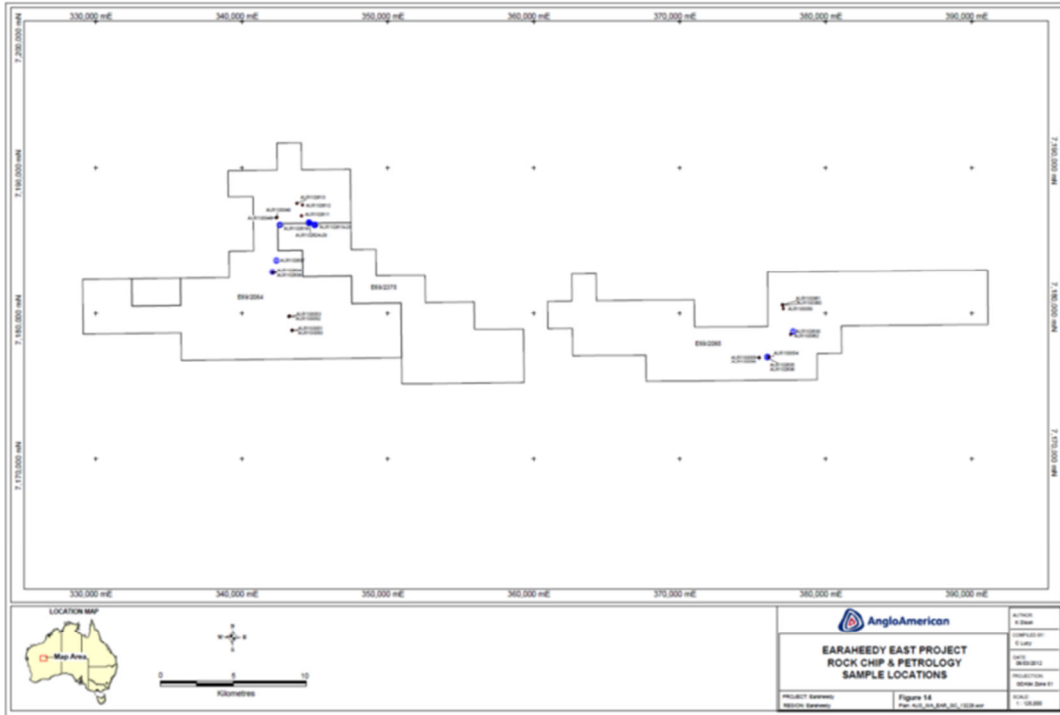


Figure 7: Rock chip and petrology sample locations.

Geology

The tenement packages within the Earaheedy District have been subdivided into three projects based on geographical, tenements and geological criteria: Cecil Rhodes, Sydney Heads and Coonabildie (Fig. 8).

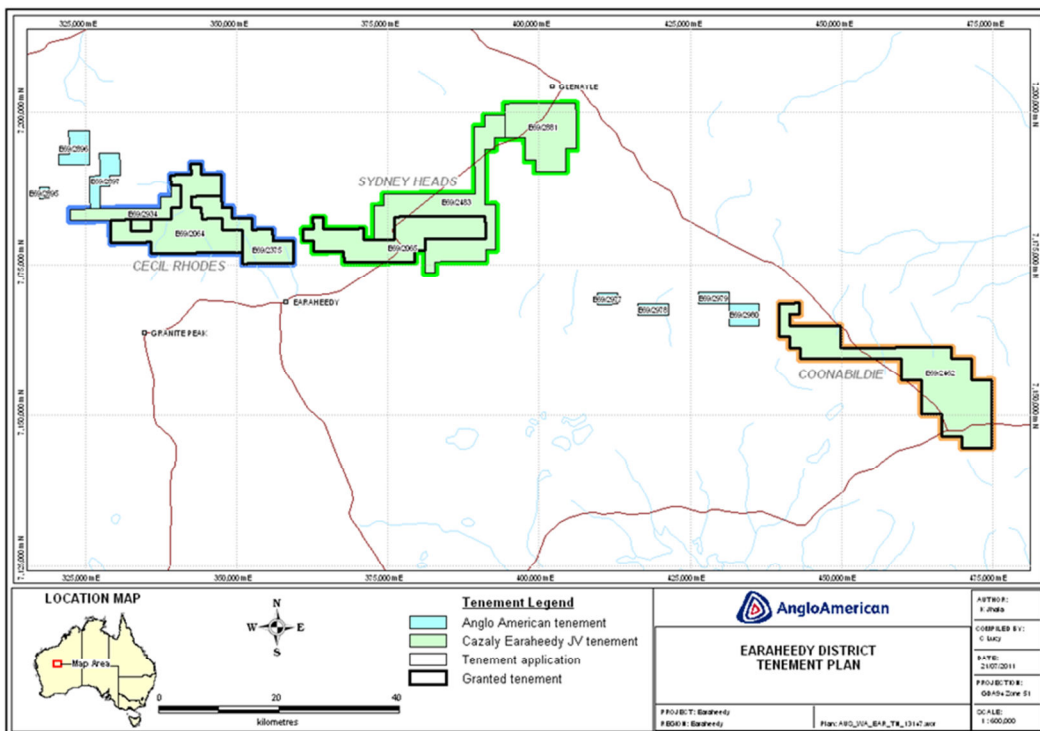


Figure 8: Projects names and locations on the Earaheedy District



No field activities were conducted on the Earaaheedy district area during the reported period due to land access issues and weather conditions.

Appendix 5B

Attached is a copy of the Company's Mining Exploration and Entity Quarterly Report in accordance with Listing Rule 5.3.

ENDS

Notes on sample intercept widths: The metre intervals detailed in the table above are measured down-hole lengths and are unlikely to be indicative of true width.

** Notes on Exploration Targets: In accordance with Clause 18 of the JORC Code, it is important to note that the 'Target Resource' referred to above remains subject to further exploration and evaluation to bring the 'unclassified material' to a JORC Compliant resource. The current interpretation is conceptual in nature and remains preliminary and is based on exploration, evaluation and resource definition work undertaken to date.*

Competent Person's Statement

The information in this report that relates to Exploration Results or Mineral Resources of Vector Resources Ltd and its subsidiaries is based on information reviewed by Arnel Mendoza, who is a Member of the Australian Institute of Geoscientists ("AIG").

Mr Mendoza has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Arnel Mendoza consents to the inclusion in this announcement of the matter based on his information in the form and context it appears.

Appendix 5B

Mining exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10

Name of entity

Vector Resources Ltd

ABN

99 107 541 453

Quarter ended ("current quarter")

31 March 2012

Consolidated statement of cash flows

| | | Current quarter \$A'000 | Year to date (9 months) \$A'000 |
|---|---|----------------------------|--|
| Cash flows related to operating activities | | | |
| 1.1 | Receipts from product sales and related debtors | - | - |
| 1.2 | Payments for (a) exploration & evaluation | (1,095) | (3,802) |
| | (b) development | - | - |
| | (c) production | - | - |
| | (d) administration | (258) | (1,023) |
| 1.3 | Dividends received | - | - |
| 1.4 | Interest and other items of a similar nature received | 54 | 175 |
| 1.5 | Interest and other costs of finance paid | - | - |
| 1.6 | Income taxes paid | - | - |
| 1.7 | Other (Due Diligence on Golden Iron Resources Ltd Takeover) | - | - |
| | | (1,299) | (4,650) |
| Net Operating Cash Flows | | | |
| Cash flows related to investing activities | | | |
| 1.8 | Payment for purchases of: (a) prospects | - | - |
| | (b) equity investments | - | - |
| | (c) other fixed assets | (16) | (76) |
| 1.9 | Proceeds from sale of: (a) prospects | - | - |
| | (b) equity investments | - | - |
| | (c) other fixed assets | - | - |
| 1.10 | Loans to other entities | - | - |
| 1.11 | Loans repaid by other entities | - | - |
| 1.12 | Other (provide details if material) | - | - |
| | Net investing cash flows | (16) | (76) |
| 1.13 | Total operating and investing cash flows (carried forward) | (1,315) | (4,726) |

+ See chapter 19 for defined terms.

| | | | |
|------|--|--------------|--------------|
| 1.13 | Total operating and investing cash flows (brought forward) | (1,315) | (4,726) |
| | Cash flows related to financing activities | | |
| 1.14 | Proceeds from issues of shares, options, etc. | 1,744 | 3,739 |
| 1.15 | Proceeds from sale of forfeited shares | - | - |
| 1.16 | Proceeds from borrowings | - | - |
| 1.17 | Repayment of borrowings | - | - |
| 1.18 | Dividends paid | - | - |
| 1.19 | Other | - | - |
| | Net financing cash flows | 1,744 | 3,739 |
| | Net increase (decrease) in cash held | 429 | (987) |
| 1.20 | Cash at beginning of quarter/year to date | 3,849 | 5,265 |
| 1.21 | Exchange rate adjustments to item 1.20 | - | - |
| 1.22 | Cash at end of quarter | 4,278 | 4,278 |

Payments to directors of the entity and associates of the directors

Payments to related entities of the entity and associates of the related entities

| | | Current quarter \$A'000 |
|------|--|----------------------------|
| 1.23 | Aggregate amount of payments to the parties included in item 1.2 | 165 |
| 1.24 | Aggregate amount of loans to the parties included in item 1.10 | - |

1.25 Explanation necessary for an understanding of the transactions

| |
|---|
| - |
|---|

Non-cash financing and investing activities

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

| |
|--|
| |
|--|

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

| |
|--|
| |
|--|

+ See chapter 19 for defined terms.

Financing facilities available

Add notes as necessary for an understanding of the position.

| | Amount available \$A'000 | Amount used \$A'000 |
|---------------------------------|-----------------------------|------------------------|
| 3.1 Loan facilities | - | - |
| 3.2 Credit standby arrangements | - | - |

Estimated cash outflows for next quarter

| | \$A'000 |
|--------------------------------|--------------|
| 4.1 Exploration and evaluation | 2,576 |
| 4.2 Development | - |
| 4.3 Production | - |
| 4.4 Administration | 210 |
| Total | 2,786 |

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

| | Current quarter \$A'000 | Previous quarter \$A'000 |
|--|----------------------------|-----------------------------|
| 5.1 Cash on hand and at bank | 918 | 2,489 |
| 5.2 Deposits at call | 3,360 | 1,360 |
| 5.3 Bank overdraft | - | - |
| 5.4 Other (provide details) | - | - |
| Total: cash at end of quarter (item 1.22) | 4,278 | 3,849 |

Changes in interests in mining tenements

| | Tenement reference | Nature of interest (note (2)) | Interest at beginning of quarter | Interest at end of quarter |
|-----|-----------------------|---|--|----------------------------------|
| 6.1 | | Interests in mining tenements relinquished, reduced or lapsed | | |
| 6.2 | E77/2050 | Acquired | 0% | 100% |

+ See chapter 19 for defined terms.

Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

| | Total number | Number quoted | Issue price per security (see note 3) (cents) | Amount paid up per security (see note 3) (cents) |
|--|--------------|---------------|---|--|
| 7.1 Preference securities (description) | - | - | - | - |
| 7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions | - | - | - | - |
| 7.3 *Ordinary securities | 205,645,833 | 205,645,833 | - | - |
| 7.4 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs | 37,500,000 | 37,500,000 | \$0.08 | \$0.08 |
| 7.5 *Convertible debt securities (description) | - | - | - | - |
| 7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted | - | - | - | - |
| 7.7 Options (description and conversion factor) | 176,886,666 | 176,886,666 | <i>Exercise price</i> \$0.20 | <i>Expiry date</i> 30/06/2012 |
| | 5,000,000 | - | \$0.20 | 20/12/2014 |
| | 5,000,000 | - | \$0.20 | 20/12/2014 |
| | 6,000,000 | - | \$0.25 | 30/01/2015 |
| | 4,000,000 | - | \$0.40 | 20/12/2015 |
| 7.8 Issued during quarter | 50,000,000 | 50,000,000 | \$0.20 | 30/06/2012 |
| | 6,000,000 | - | \$0.25 | 30/01/2015 |
| 7.9 Exercised during quarter | - | - | - | - |
| 7.10 Expired during quarter | - | - | - | - |
| 7.11 Debentures (totals only) | - | - | | |
| 7.12 Unsecured notes (totals only) | - | - | | |

+ See chapter 19 for defined terms.

Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).
- 2 This statement does give a true and fair view of the matters disclosed.

Sign here: Date: 30/4/2012
(Director/Company secretary)

Print name: Neville Bassett

Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.