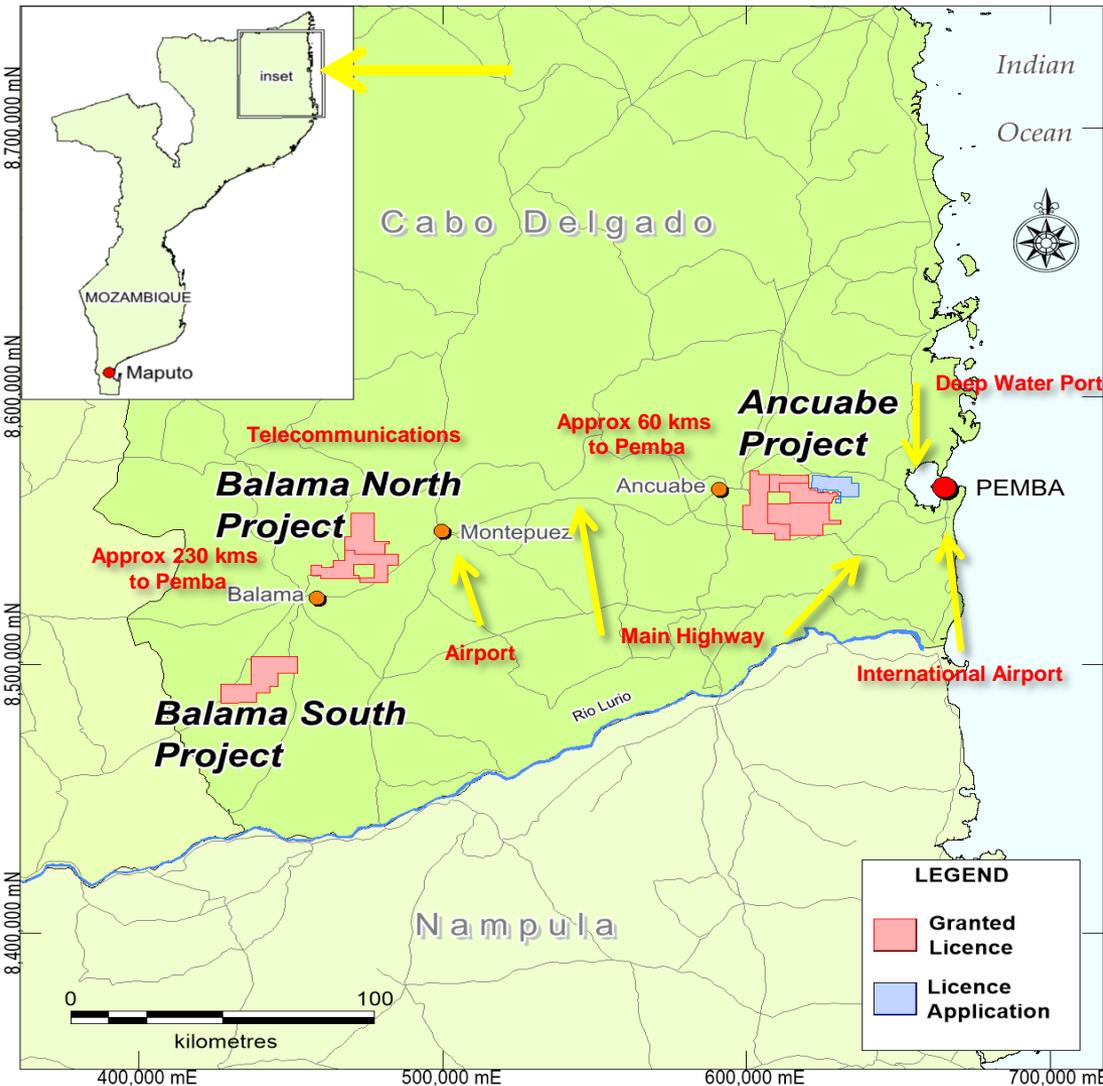




TRITON
MINERALS LTD

CORPORATE PRESENTATION

23 July 2014



Overview of the Balama and Ancuabe exploration license areas

- Triton holds 60% interest in 3 Graphite Projects in Mozambique, moving to 100% as of recently signed acquisition deal with Grafex Ltd
- 5 granted exploration licenses and 3 applications, covering a total area of about 1,150 square kilometres
- Licences adjoin known Graphite mineralisation and historical High Grade Flake Graphite mine
- High grade large flake Graphite identified at both the Balama North and Ancuabe projects
- Easy access to sites and adjacent to all required infrastructure for future project development needs, including Pemba natural deep water port
- Strong Local Community and Federal Government support
- Recently raised \$8.5m to fund the acquisition of the balance of the graphite projects and fund future exploration and development program

- Triton has successfully completed a Placement for 17 million shares at \$0.50 per share to raise \$8.5 million from Australian and International Institutional and Sophisticated investors
- Funds raised will be used to:
 - Fund the cash consideration for the acquisition of the balance of the Projects Triton does not currently own from Grafex Ltd
 - Accelerate the exploration and development program at the Balama North Project including:
 - Advancing the current Diamond and RC drilling at the Nicanda Hill Prospect
 - Ongoing metallurgical test work
 - Scoping and pre-feasibility test work
 - General working capital



Capital Structure

| | | |
|---|---------------|----------------|
| Share Price (21 July 2014) | A\$ | 0.81 |
| Pre-Placement Ordinary Shares | (m) | 272.9 |
| Shares Issued in Placement | (m) | 17.0 |
| Post-Placement Ordinary Shares | (m) | 289.9 |
| Post-Placement Market Capitalisation | (A\$m) | \$243.5 |
| Cash (June est. + Placement) | (A\$m) | \$12.5 |
| Post-Placement Enterprise Value | (A\$m) | \$231.0 |

Directors & Major Shareholders

Alan Jenks – Non Executive Chairman

Brad Boyle – Managing Director

Alf Gillman – Non Executive Director

Directors Hold ~12%

Top 20 shareholders hold 49%

Share Price Graph (ASX:TON)



Diamond drill core from the Nicanda Hill prospect at Balama North project.

Acquisition of 100% of the Graphite Projects

Triton and Grafex Ltd have agreed to terms that allows Triton to acquire the remaining 40% interest in all of the Mozambique graphite projects known as Balama North, Balama South and Ancuabe (the “Projects”)

Transaction Terms

Triton and Grafex have executed a binding agreement, which allows Triton to acquire the remaining 40% interests in the Projects on the following terms:

- Triton shall pay Grafex US\$20 Million in a combination of cash and ordinary fully paid Triton shares
- The payment is structured in two tranches. Each tranche being US\$5 million cash and US\$5 million in Triton scrip. The first tranche payment is due fourteen (14) days after the settlement of the Placement and the second tranche is payable 6 months thereafter.
- As further consideration, Grafex shall be entitled to receive five (5) million unlisted Triton options, with an exercise price of \$0.70 and term of three (3) years.
- Upon the payment of Tranche 1, Triton’s interest in the Projects shall increase to an eighty (80%) percent interest.
- Upon the payment of Tranche 2, Triton’s interest in the Projects shall increase to 100% with Grafex becoming a wholly owned Mozambique operating subsidiary of Triton.

Recent Nicanda Hill Drilling Results

- Additional drilling results have delineated newly identified hanging wall higher grade zones
- Drilling is now focused on testing the continuity of the multitude of interpreted high grade zones
- Drilling to date has demonstrated the continuity and consistency of graphite mineralisation over a strike length of 2.5km between drilled holes and trenches
- The horizontal width of the graphite mineralization at surface is expanded to 1,000m and still remains open to the northwest
- The drilling results continue to correlate strongly with the VTEM survey data
- Second diamond drill rig mobilized to support and accelerate operations at Nicanda Hill
- Refined scoping study now extended to include Nicanda Hill

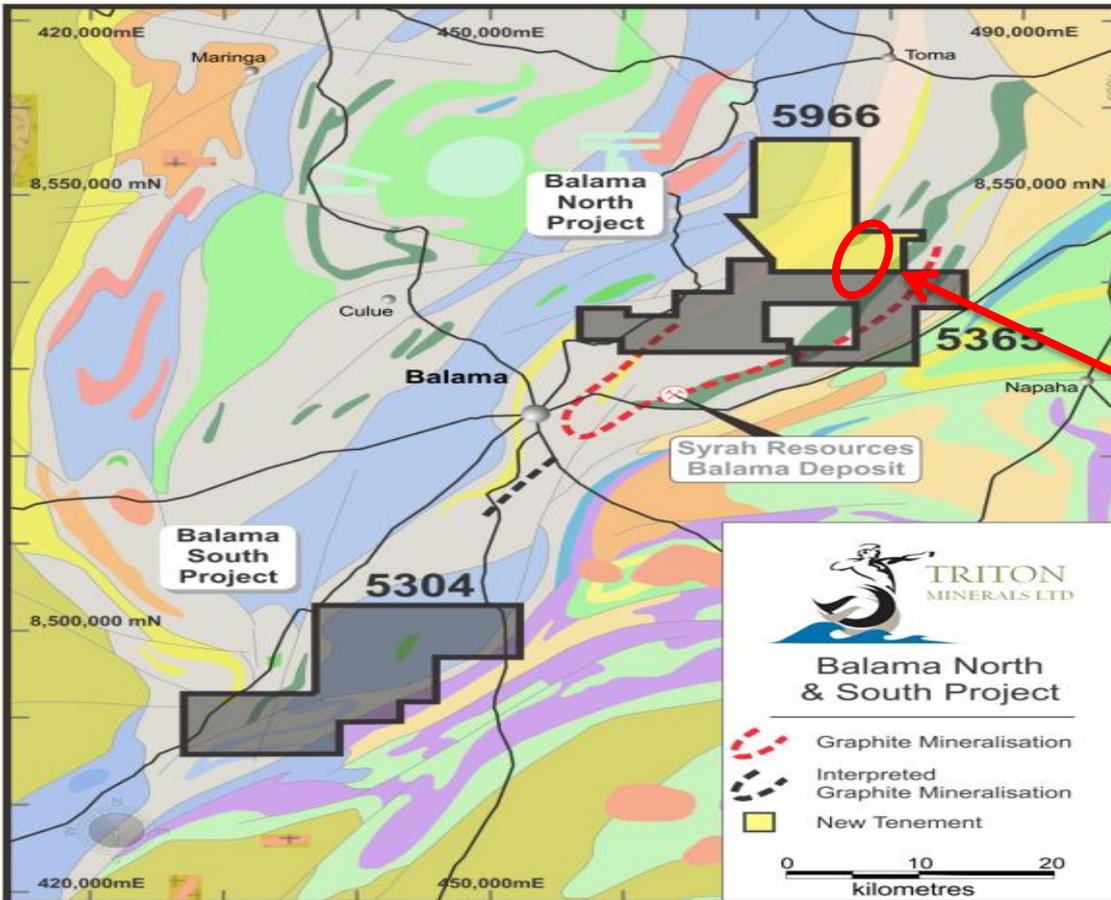


Nicanda Hill Prospect

BALAMA PROSPECTS

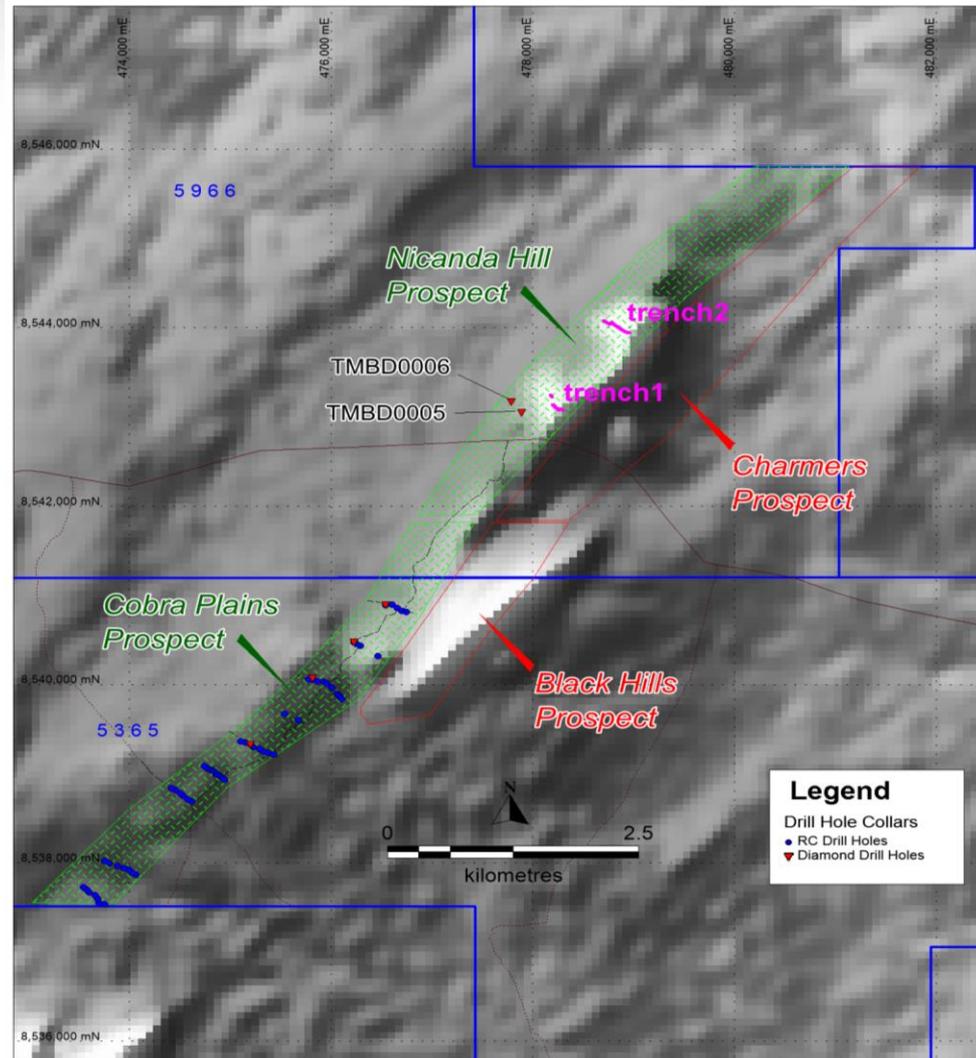


- Inferred Resource Graphite Deposit at Cobra Plains
- High grade large flake Graphite and Vanadium identified in multiple zones
- Extensive Graphitic outcropping of 3.75km also identified in License 5966.
- High grade large flake graphite intersected at Nicanda Hill
- Potential to extend mineralisation zone up to 10kms at Balama North project.
- Potential Graphite mineralisation identified at Balama South Project
- Easy access to sites
- Close to infrastructure at Balama and Montepuez
- Strong local landowner support
- Mapping/Survey to be completed at Balama South



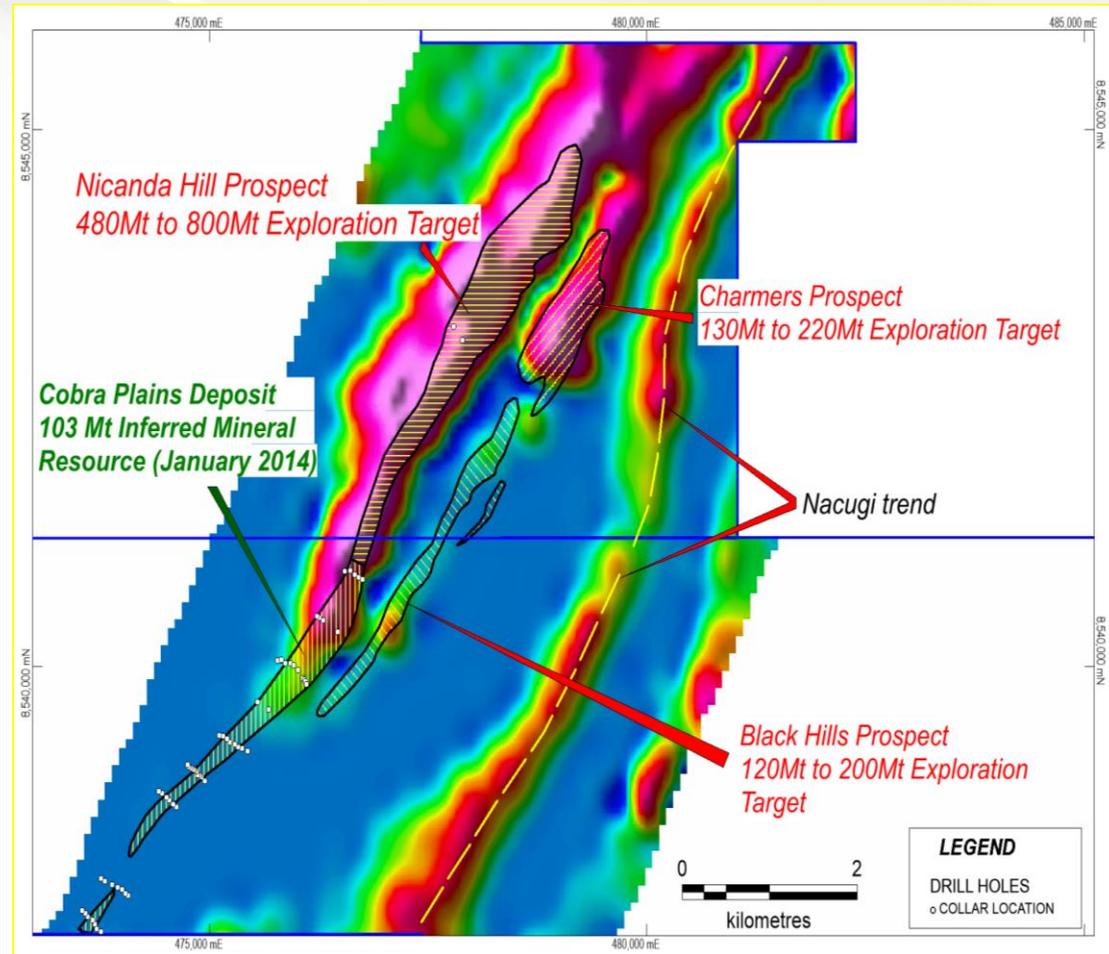
Overview of the interpreted regional structural geology and graphite mineralisation potential in the Balama License areas (location of the graphite exposure is an approximation for illustration purposes only)

- Extensive Graphite mineralisation located in Nicanda Hill and Cobra Plains Prospects
- Potential to host multiple large scale flake graphite deposits
- Initial RC and Diamond drilling programs completed at Cobra Plains prospect in October 2013, with Diamond drilling focus on Nicanda Hill prospect
- High grade large flake graphite intersected (up to **28.6% TGC**) in Diamond Drilling.
- Diamond drilling with intercepts of **316m** graphitic mineralization, **open at depth**
- Trenching samples confirm high grade graphite mineralisation along Nicanda Hill
- High grade graphite identified (up to **18% TGC**) at Charmers and Black Hills prospects.
- Easy access to site and close to infrastructure at Montepuez and local labour force



Location of holes TMBD0005 and TMBD0006 drilled on the Nicanda Hill prospect, relative to the drilling completed earlier this year on the Cobra Plains prospect. The two surface trenches are represented by the labelled pink lines. The base image is the digital elevation model from the Space Shuttle Topographic Mission data; lighter areas represented higher elevation. Map datum – WGS84 Zone 37 South.

- Showing potential for graphite mineralisation continuity between Nicanda Hill and Cobra Plains prospects
- Multiple drill target areas further defined and to be drill tested
- VTEM expands potential beyond identified targets
- Metallurgical Testwork continues
- Scoping Study extended to include Nicanda Hill



Close up image of diamond drill core from Nicanda Hill prospect.

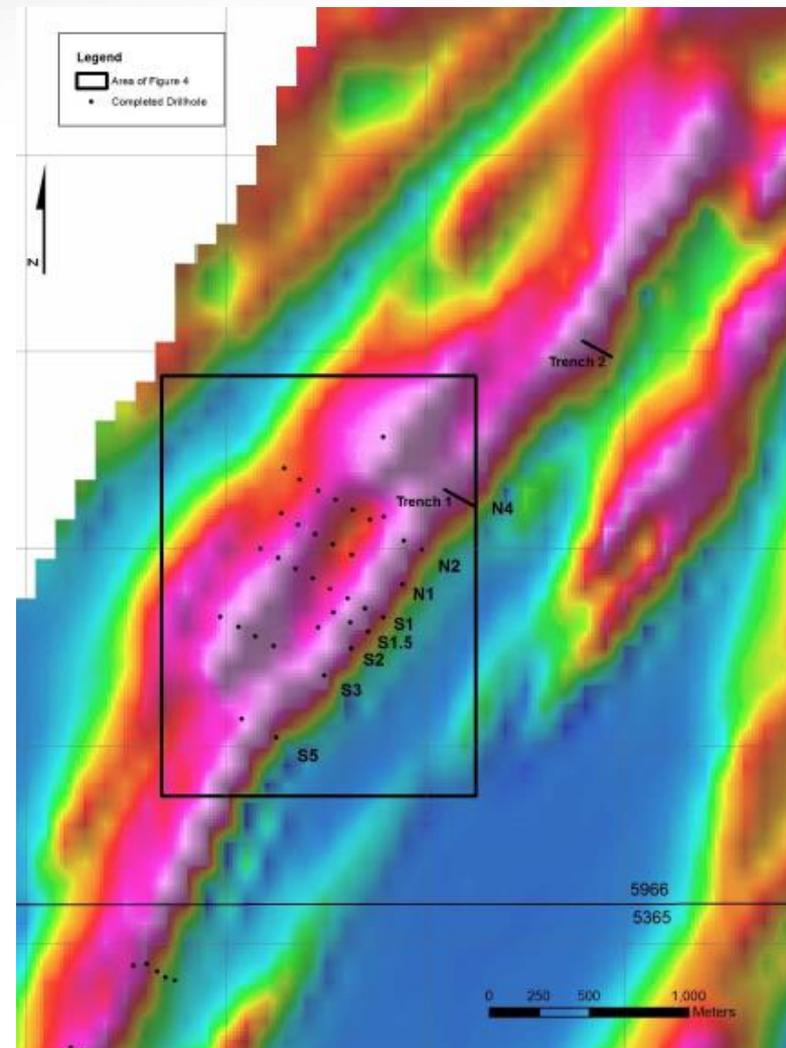
Outline of the known graphite schist zones at the Cobra Plains Deposit, Nicanda Hill, Charmers and Black Hills prospects overlain on the 50m conductivity depth slice from the VTEM survey. The tonnages for the Exploration Targets for the Balama North Project, first announced on 5th February 2014, give a combined Exploration Target of between 730Mt to 1,200Mt at an assumed average graphite carbon grade between 5% and 6% allowing for dilution of low grade or non-graphite bearing material. The Exploration Target is conceptual in nature and should not be construed as a Mineral Resource that may or may not be defined as a result of further drilling and sampling. Datum: WGS84 Zone 37S.

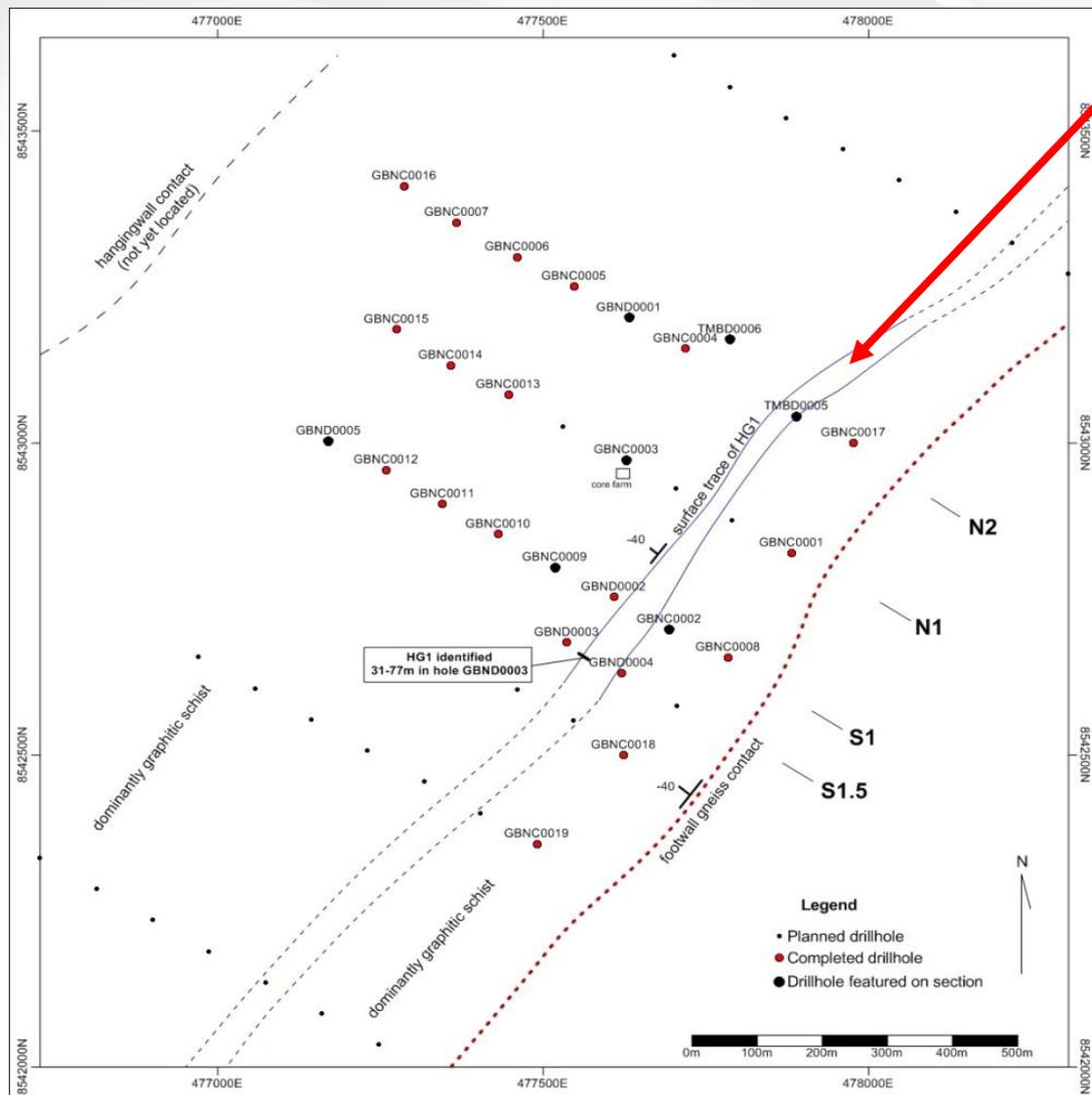
- Diamond drill hole (GBND0001) intercepted **316m** of graphite mineralisation from surface and is open at depth
- Mineralised zone is likely to continue for some depth beyond the **500m**.
- The graphite mineralisation at Nicanda Hill has now been intersected over a strike length of **2.5km** between drilled holes and trenches
- The horizontal width of the graphite mineralization zone is approximately **1,000m** wide
- Excellent correlation of drilling results with the VTEM survey data anomaly



Image 12.
Drill core from Nicanda Hill in Diamond Hole (GBND0001) taken from about 223m to 228m.

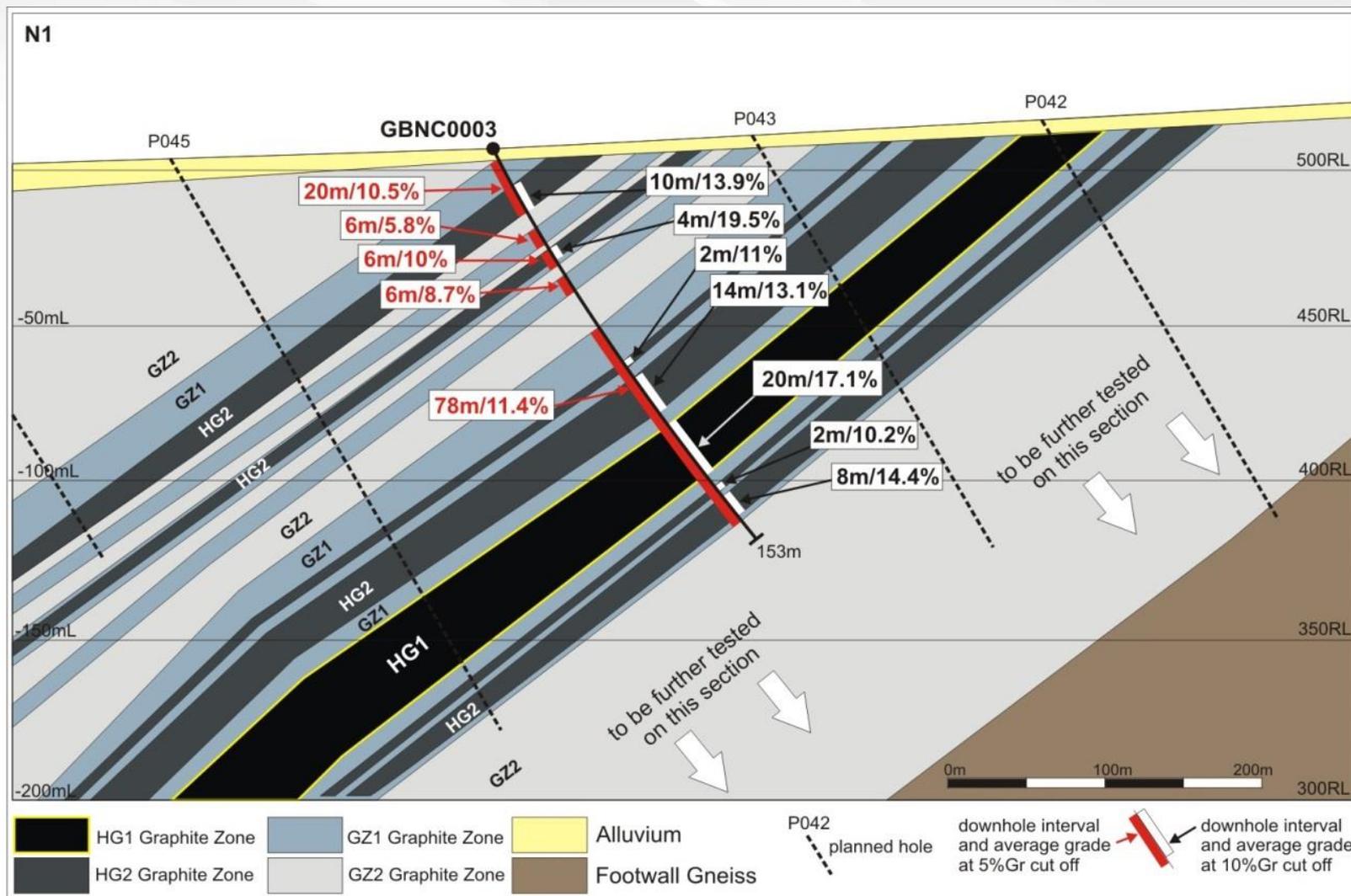
Location of completed RC and Diamond drill holes on the Nicanda Hill prospect. Base image is the 50m conductivity depth slice from the VTEM survey overlain by elevation contours highlighting the topographic high of Nicanda Hill and the ridge east of Cobra Plains. The drill lines N1, N2 and S1 are presented in Figures 1, 4 and 5.



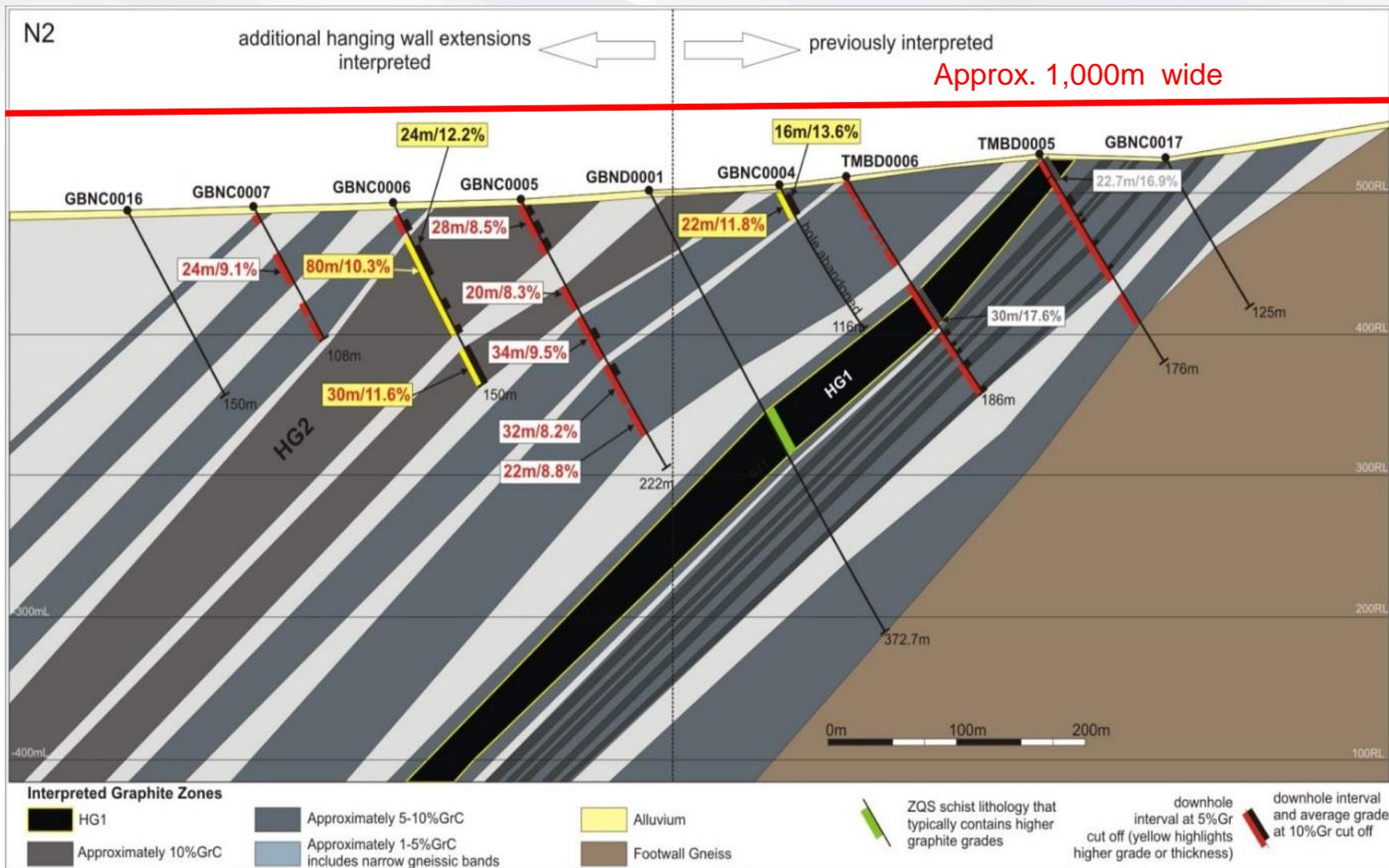


HG1

- Results demonstrate multiple high grade graphite zones of substantial widths.
- Results verified the continuity and consistency of previously identified high grade zones.
- High grade target zone (HG1) confirmed over a strike length of 540m and 500m downdip.
- The assay results demonstrating average grades for HG1 above 17% graphitic carbon.
- Observations dramatically expand mineralisation zone and demonstrates continuity and consistency of mineralisation over considerable distance.
- Graphite mineralization intersections correlate well VTEM survey data.
- Targeted drilling planned to delineate further high grade graphite zones

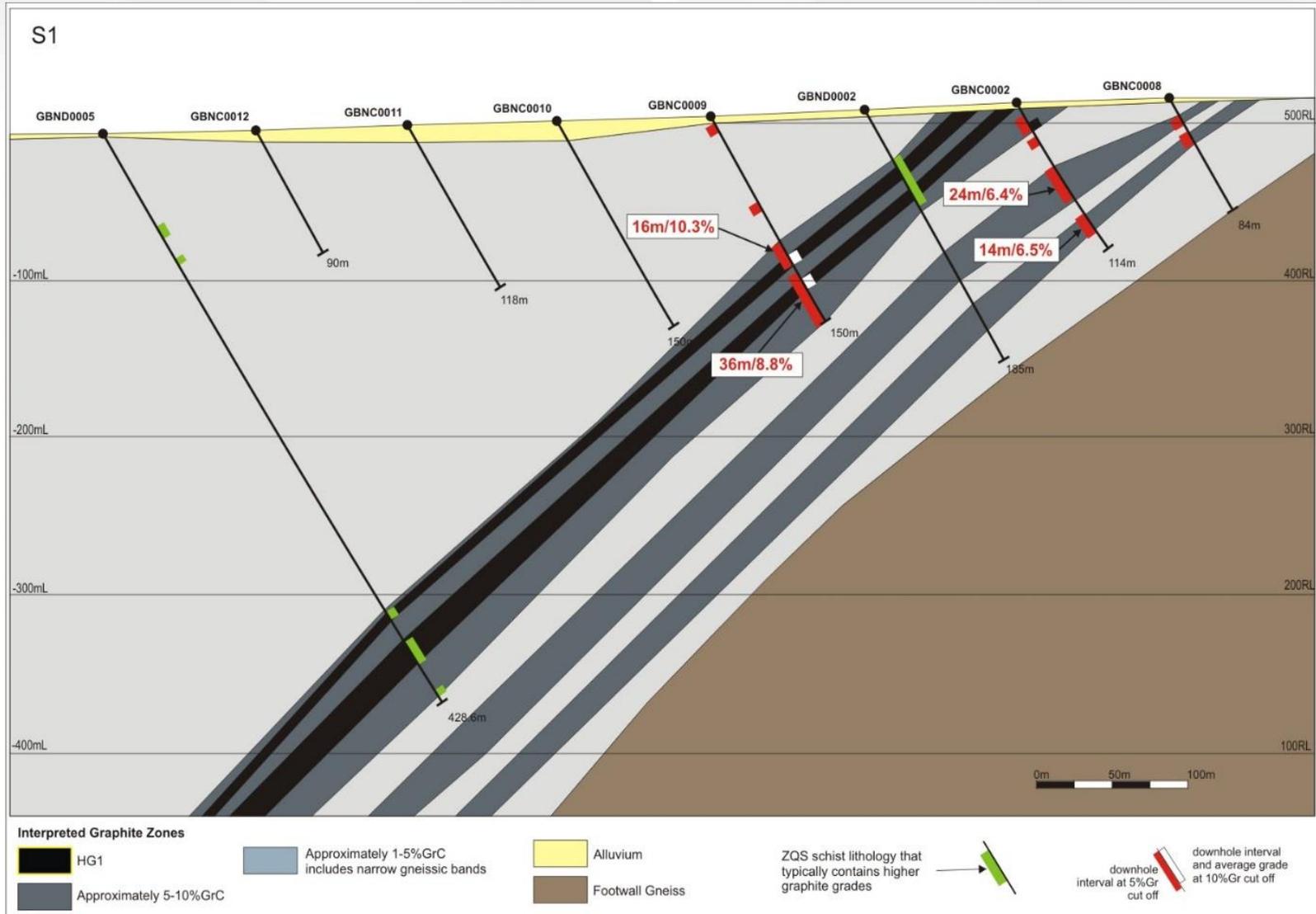


Cross section for drilling completed on Drill Line N1 on the Nicanda Hill prospect

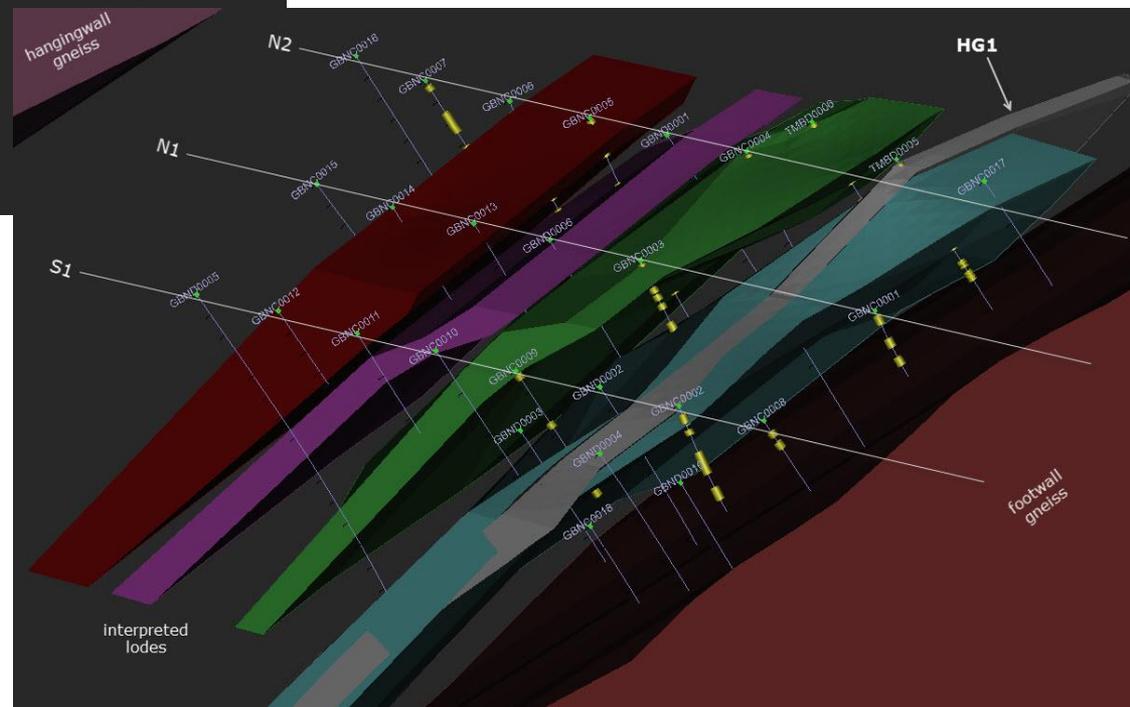
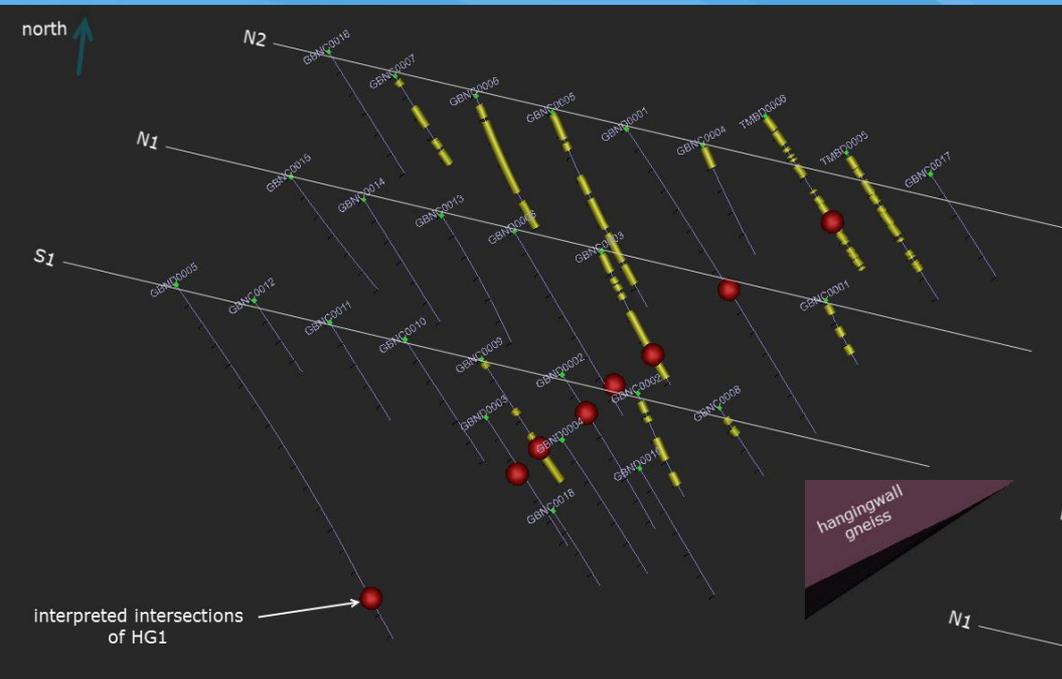


Over
500m
Deep

Cross section for drilling completed on Drill Line N2 on the Nicanda Hill prospect

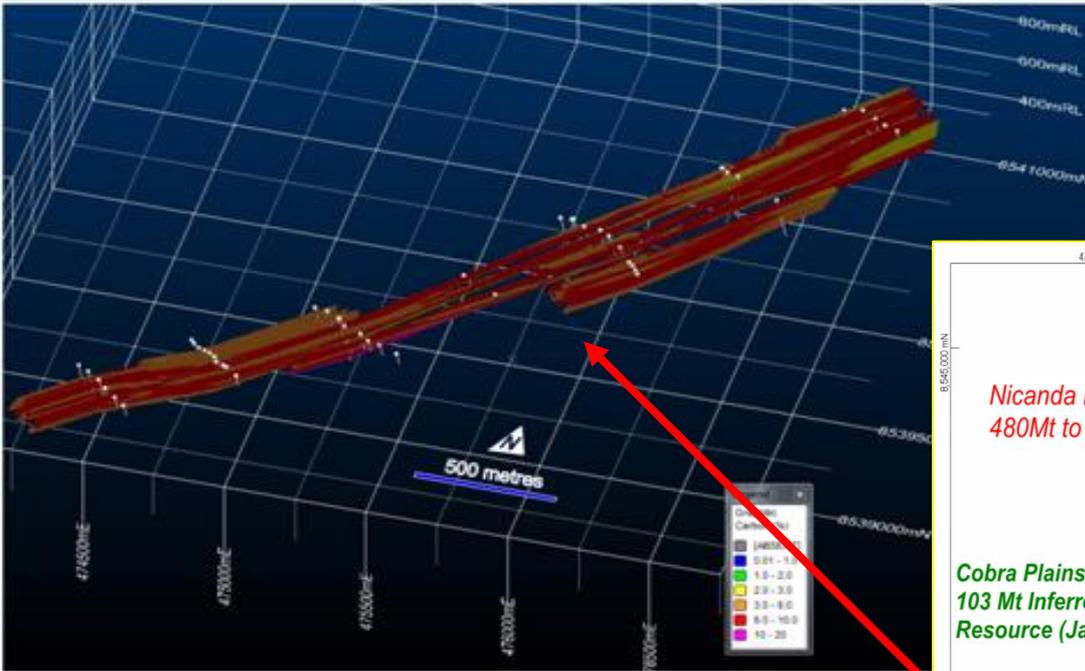


Cross section for drilling completed on Drill Line S1 on the Nicanda Hill prospect

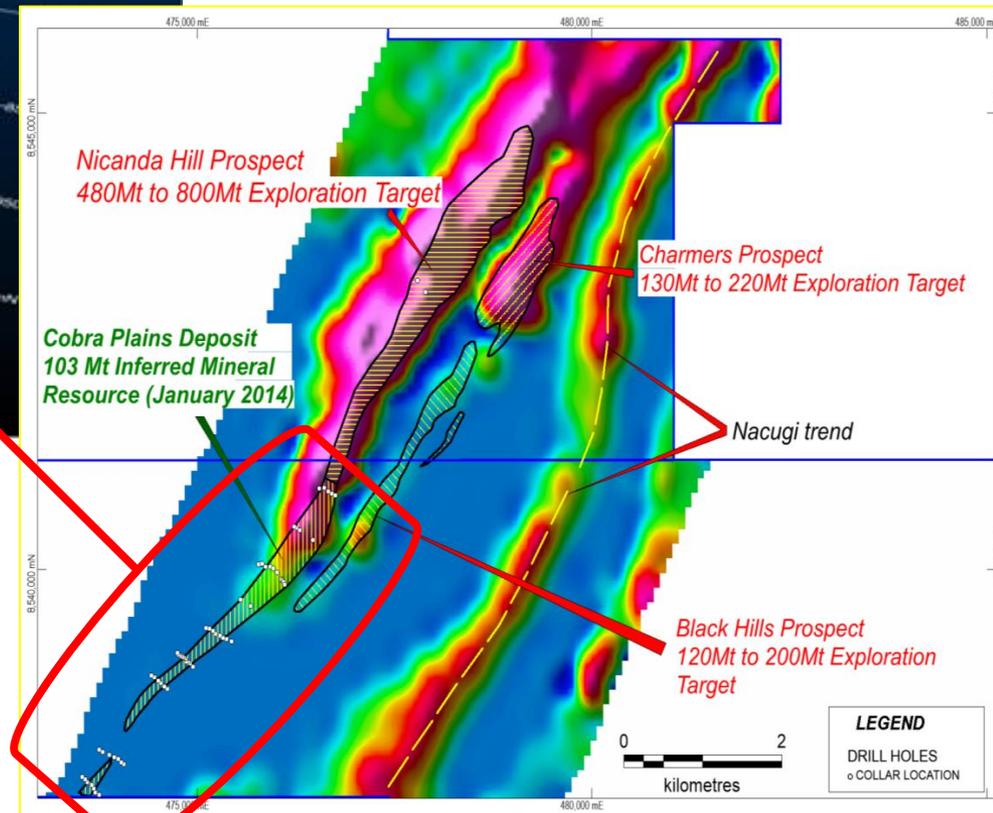


Oblique view from above and towards to north-west of 3D model of Nicanda Hill based on results to date (yellow bars show intercepts at 5%GrC cut off).
Top diagram: drilling only, Bottom diagram: interpreted geology shown.

103Mt Cobra Plains Deposit



Oblique view looking north-northwest over the block model of the Cobra Plains deposit. The Inferred Mineral Resource Estimate comprises 103 Million Tonnes (Mt) at an average grade of 5.52% graphitic carbon, containing 5.7 Mt of graphitic carbon. The model is coloured by estimated graphite carbon grade (%). Image provided by Optiro Pty Ltd. Datum: WGS84 Zone 37S



Competent Person's Statement

The information in this report that relates to Mineral Resource estimate at the Cobra Plains deposit on Balama North project is based on, and fairly represents, information and supporting documentation prepared by Mr Mark Drabble, who is a Member of the Australasian Institute of Mining & Metallurgy. Mr Drabble is not a full-time employee of the Company. Mr Drabble is employed as a Consultant from Optiro Pty. Ltd. Mr Drabble 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 2012 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves (the JORC Code)'. Mr Drabble consents to the inclusion in this report the exploration results and the supporting information in the form and context as it appears.

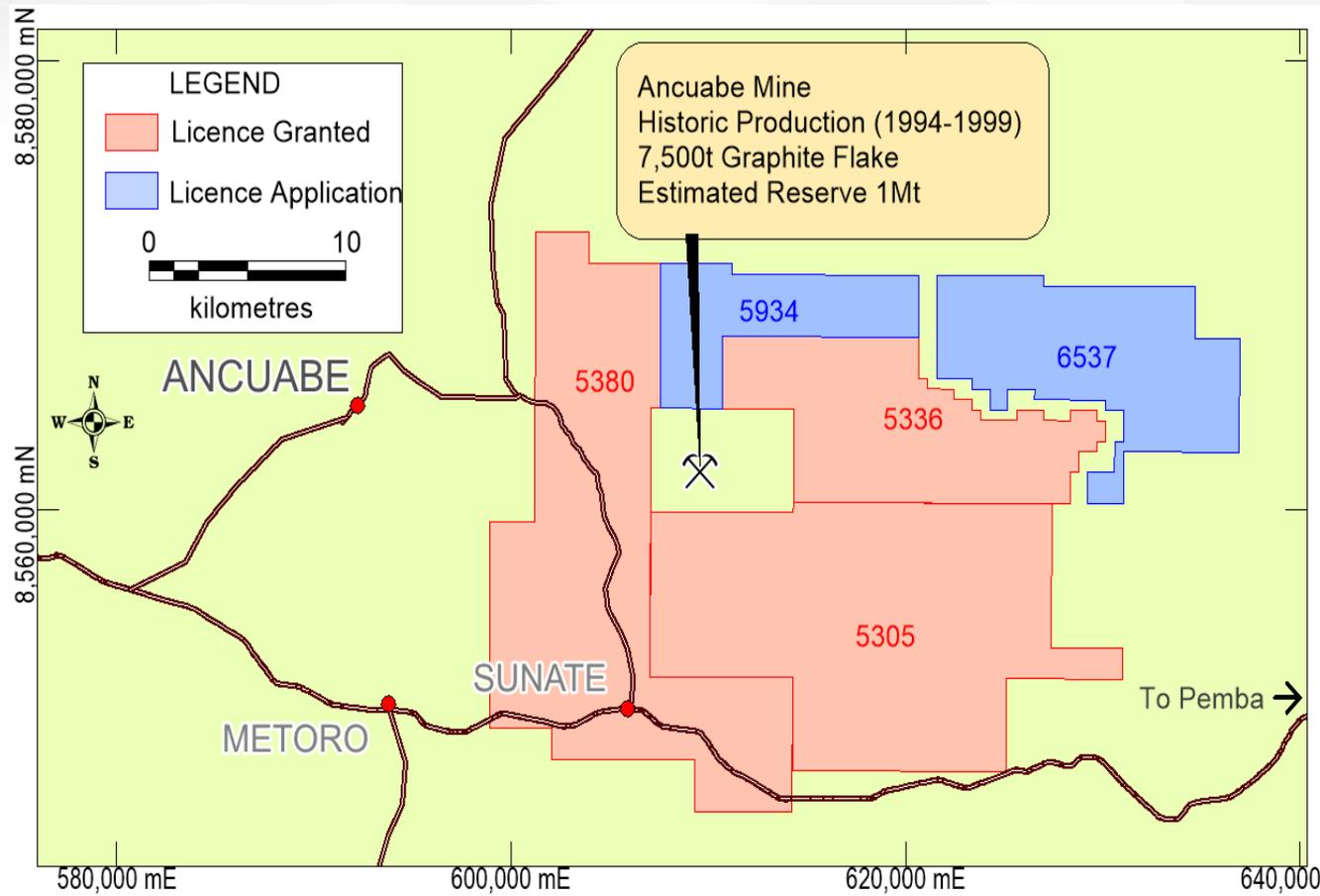
- Preliminary partial metallurgical results from the Cobra Plains deposit shows the total carbon (“TC”) recovery of 96%
- The weighted average total graphitic carbon (“TGC”) of the concentrate produced is 94.5%, (including a high of **97.1%**)
- The graphite is readily liberated by crushing, grinding, rougher and cleaner flotation with regrid
- Additional metallurgical work underway to refine the recovery process
- Reviewing options to see if the concentrate can be further upgraded using supplementary treatments



Image of the graphitic material being liberated using a flotation method at the ALS Metallurgy laboratory.

ANCUABE PROSPECTS





Overview of the Ancuabe project exploration license areas

- High grade large flake Graphite identified across project
- Historic Production of Graphite (Ancuabe Mine held by AMG Mining)
- Licenses completing surround Ancuabe Mine
- Numerous Flake Graphite exposures located in north west sector
- Constitute high quality exploration targets to be drill tested
- Easy access to site
- Multiple target areas identified
- Mapping/Survey to be completed
- Drill ready target now defined
- Close to infrastructure at Ancuabe and Pemba
- Local landowner support

Local Villages

- Mapapulo
- Nicanda
- Napavale
- Nacugi
- Naropa

Ongoing Support Programs

- Water Bores
- Review of School facilities
- Review Medical services



sourced from www.thebutterflytree.org.uk

Employment and Training

- 3 x Mozambique Geologists
- 2 x Mozambique Field Hands
- Approx. 80 local villagers employed over last 12 months
- Using local service providers
 - Drilling/Logistics/Transportation/Supplies
 - Housing/Vehicle hire
 - Lawyers/Accountants/Customs Agents



Triton geologists and field hands cutting diamond core at Nicanda Hill prospect

| Proposed Exploration Plan | 2014 | | | 2015 | |
|---|------------|------------|------------|------------|------------|
| | Q2 | Q3 | Q4 | Q1 | Q2 |
| Metallurgical test work | Red | Yellow | Light Blue | Light Blue | Light Blue |
| Initial RC and Diamond Drilling Nicanda Hill | Red | Yellow | Yellow | Light Blue | Light Blue |
| Mapping, Rock Chip Sampling, Trenching Charmers and Black Hills | Light Blue | Yellow | Yellow | Light Blue | Light Blue |
| Scoping Study (extended to include Nicanda Hill) | Red | Yellow | Yellow | Yellow | Yellow |
| Infill drilling at Nicanda Hill | Light Blue | Yellow | Yellow | Light Blue | Light Blue |
| Indicated JORC Resource for Nicanda Hill | Light Blue | Light Blue | Yellow | Light Blue | Light Blue |
| Reconnaissance drilling Charmers and Black Hills | Light Blue | Yellow | Yellow | Light Blue | Light Blue |
| Reconnaissance mapping and rock chip sampling Balama South | Red | Yellow | Light Blue | Light Blue | Light Blue |
| Mapping, Rock Chip Sampling, Trenching at Ancuabe | Light Blue | Yellow | Yellow | Light Blue | Light Blue |

Note: The above program is only indicative and timing subject to change depending on exploration results and funding

- Multiple high grade large flake Graphite and Vanadium mineralisation zones identified throughout the Balama North Project
- 10km strike of high grade flake graphite and vanadium mineralisation located at Cobra Plains Deposit and Nicanda Hill prospects
- World class potential of Nicanda Hill to become substantial, high-grade flake **graphite deposit**
- **103Mt** Inferred Mineral Resource at Cobra Plains Graphite Deposit (**4th Largest** and does not include recent Nicanda Hill drilling)
- High grade large flake graphite also identified at Ancuabe Project
- Predicted strong future global demand for flake graphite and vanadium



Brad Boyle

Managing Director

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Rock chips samples from drill hole TMBC0006 showing Graphite and Vanadium at Cobra Plains Prospect

Competent Person Statement

The information in this announcement that relates to Exploration Results on Balama North project is extracted from the reports entitled ASX Release "Balama North Project "Cobra Plains Prospect" Drilling Intersects 105 Metres of Graphite" dated 14 October 2013, ASX Release "Balama North Exploration License 5966 Granted" created on 21 October 2013, and ASX Release "High Grade Large Flake Graphite Identified at Nicanda Hill" dated 4 November 2013, ASX Release "Triton Takes Majority Interest in Graphite Projects", created on 22 November 2013, ASX Release "Triton Raises \$1.6 Million to Advance Balama North Project" created 6 December 2013, ASX Release "Balama Drilling Intersects 156 Metres of Graphite" created 10 December 2013 and ASX Release "High Grade Graphite Discovery at Nicanda Hill" created 22 January 2014, ASX Release "103Mt Graphite Resource at Cobra Plains" created 26 February 2014, ASX Release "Balama North Project Update" created 5 March 2014, ASX Release "New Potential Graphite Zones Identified At Balama North Project" created 14 March 2014, ASX Release "Metallurgical Results For Balama North" created 15 April 2014, ASX Release "Enormous Graphite Intercepts At Nicanda Hill" created 4 June 2014, ASX Release "Significant High Grade Graphite Intersected at Nicanda Hill, dated 23 June 2014, ASX Release "Multiple High-Grade Graphite Zones Confirmed At Nicanda Hill", created 7 July 2014, ASX Release "Triton Completes \$8.5 Million Placement To Accelerate Balama North Project" created 17 July 2014 and are available to view on www.tritonmineralsld.com.au. The reports were issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

The information in this announcement that relates to Exploration Results on Ancuabe project is extracted from the reports entitled ASX Release "High Grade Large Flake Graphite Identified at Ancuabe Project" dated 31 October 2013 and is available to view on www.tritonmineralsld.com.au. The reports were issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Alan Jenks - Non Executive Chairman

Mr. Alan Jenks has over 20 years experience in early stage investments in the junior resource sector. Mr. Jenks's has predominantly focused on companies which have key projects located in the Australian and African continents.

Mr. Jenks obtained a vast knowledge of South African PGM exploration companies in and around the Bushveld complex. Subsequent to this Mr. Jenks in 2001 had the oversight to successfully build a platinum group metals recycling company, Catalytic Converters Recycling Services Ltd ("CCRS"). Mr. Jenks is the Managing Director of CCRS, which is a company that specializes in the extraction and recovery of precious metals from spent catalytic converters.

Mr. Jenks has become a key cornerstone investor in Triton and has actively supported the growth and development of the Company, including with its move into the graphite sector with the acquisition of the key graphite projects in Mozambique. Mr. Jenks continues that support of Triton and has established a large group of UK based investors for the Company.

Brad Boyle – Managing Director

Mr Boyle is an experienced Managing Director of listed and unlisted resource and energy companies. Mr Boyle is the founder of Monolithic Corporate Group which is a Legal and Corporate Compliance service company, based in Subiaco. Mr Boyle also has extensive experience as legal counsel and company secretary. Previously, Mr Boyle acquired a diverse range of corporate and private practice experience acting for mining, commercial and government clients across a broad range of sectors. He also has extensive litigation experience including representing clients in mediations, Federal, Supreme, District and Magistrates Courts.

Mr Boyle has previously been the Managing Director of Sprint Energy (ASX:SPS) two Not-For-Profit organizations. Mr Boyle is a Chartered Company Secretary, having obtained a Graduate Diploma in Corporate Governance and a Graduate Diploma in Business Administration and is a member of the Australian Institute of Company Directors, WA Law Society and the Australian Corporate Lawyers Association.

Alf Gillman – Non-Executive Director

Mr Gillman has over 30 years of experience as a geologist in gold, base metals and uranium. He has extensive experience in exploration and project development in various parts of the world including Australia, Papua New Guinea, Africa, the United States, Russia and Central Asia.

For most of Mr Gillman's career, he has held senior management positions, including Group Exploration Manager of Harmony Gold and he is a Fellow and Chartered Professional of the Australian Institute of Mining and Metallurgy. Mr Gillman currently serves as Technical Director for Peninsula Energy Ltd (ASX: PEN), Managing Director of the geological consulting firm Odessa Resources Pty Ltd and is Managing Director of the private exploration company, Dakar Gold Pty Ltd.

Features:

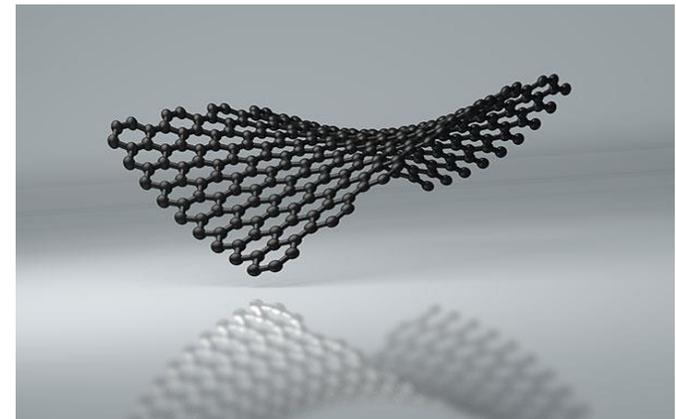
- One of the most common and stable types of carbon
- Excellent electrical conductor
- Extremely strong cohesive bonds, heat-resistant (to 3000° C)
- Resistant to solvents, dilute acids, or fused alkalis
- Growing industrial demand from emerging economies
- Chinese supply concerns (**reduced production**)
- **EU** and **USA** have named graphite a supply critical mineral
- **GRAPHENE**: Demand and uses continue to develop
(**Graphene Flagship: 17 Countries, 75 research groups**)

Forms of Graphite

- Natural Graphite: Flake, Vein & Amorphous
- Synthetic Graphite



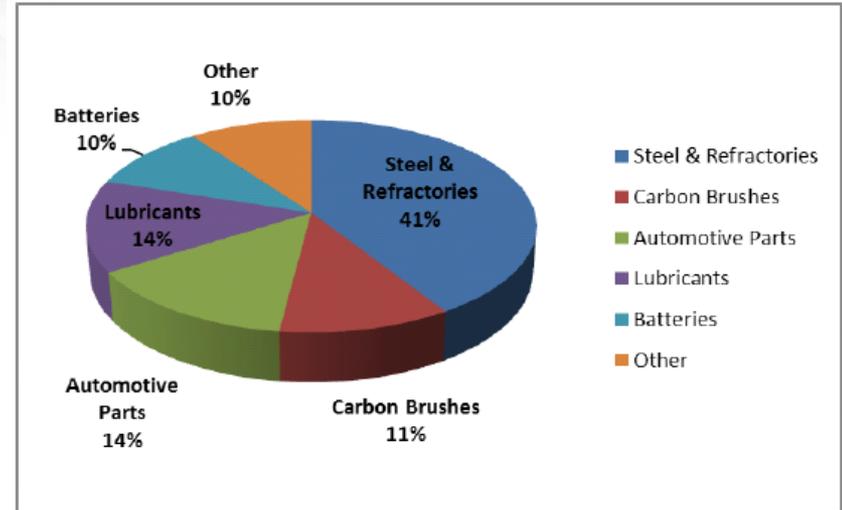
Sample of Graphite
(Image Sourced from Wikipedia <http://en.wikipedia.org/wiki/Graphite>)



Sample of Graphene molecules
(Image Sourced from Graphene Flagship: <http://graphene-flagship.eu/research/>)

Material Use:

- Dry lubricant (Industrial applications)
- Medical implants
- Reentry shields for missile nosecones
- Solid rocket engines
- High temperature reactors
- Brake shoes and electric motor brushes
- Fire seals, fitted around the perimeter of a fire door
- Batteries: Li ion batteries, fuel cells, nuclear power
- Electronic devices (smart phones, TV)



Source: Mackie Research Capital 2011

Common uses for Graphite



Mobile Electronics

Electric Vehicles

Refractory

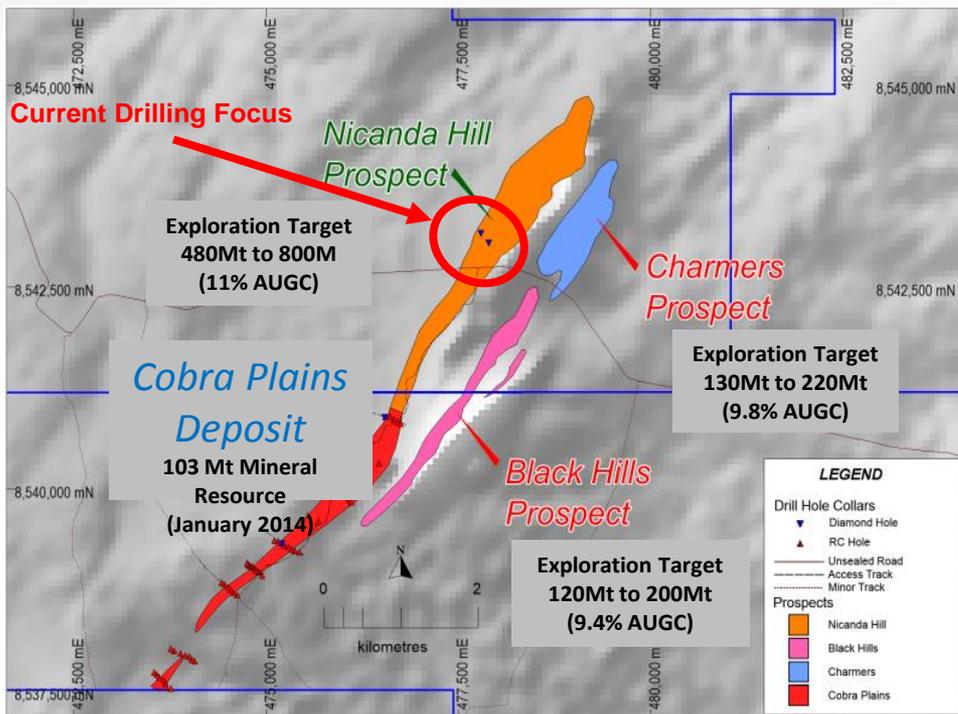
Foundry Industry

Graphite Electrode

Sealing Material

Pencil Core

GRAPHITE EXPLORATION TARGETS



Combined Graphite exploration target range for the Balama North prospects are approximately 730Mt to 1,200Mt based on the known extents of the graphitic schist and a conservative assumed average grade range of 5% to 6% graphitic carbon (with no lower cut-off grade). The potential quantity and grade of the Exploration Targets are conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further drilling and sampling will result in the estimation of a Mineral Resource.

Basis for Exploration Target

The Exploration Targets are based on previous exploration results obtained from the Balama North project.

Exploration Results

To date Triton has completed preliminary surface sampling with two trenches (219 channel samples) and rock chip sampling (7 samples) plus two diamond drill holes at the Nicanda Hill prospect (assay results were announced on 22 January 2014 and 19 February 2014). Exploration completed on the Black Hills and Charmers prospects comprises of mapping and rock chip samples (21 and 31 rock chip samples, respectively) taken on multiple traverses across the prospects and the assay results were announced to the market on 19 February 2014.

Basis of Grade and Tonnage Range Determination

The assumed average grade ranges (of 5% to 6% graphitic carbon) of the Exploration Targets attempt to conservatively factor for the level of internal dilution due to gneissic material and lower grade portions of the graphitic schist. Whilst, the recently announced initial drilling, trenching and rock chip samples on Nicanda Hill returned graphite carbon grades of up to 28.6% graphitic carbon. The average graphite carbon grades from these sampling programs are significantly higher than the assumed average grade range used for the exploration target estimation; being Nicanda Hill: 11.0% average unweighted graphite carbon ("AUGC"), Charmers: 9.8% average unweighted graphite carbon and Black Hills: 9.4% average unweighted graphite carbon (Image 9). The extents of the exploration targets for the Nicanda Hill, Charmers and Black Hills prospects are modelled from field mapping of the graphite schist and Versatile Time domain Electromagnetic (VTEM) survey data recently acquired from previous license holders. The surface outcrops of the graphitic schist units were projected down 150m to the 350mRL and wireframe models created at the average dip of the stratigraphy. Tonnages for each prospect were calculated by applying the Cobra Plains average density value of 2.7 t/m³. The assumed proportions of graphitic schist material inside these models were estimated at 30% and 50% to derive the lower and upper conceptual tonnage ranges respectively. The image in Figure 1 shows the location and extents of each of the prospects. Triton confirms the Exploration Target is based on the limited exploration activities completed to date and not proposed exploration programs. The Exploration Target is based on an assumption of the potential continuity and prospectivity of these exploration targets.

Proposed Exploration Activities Designed To Test Validity of the Exploration Target

Triton has designed a combined Reverse Circulation and Diamond drill program over the Nicanda Hill, Charmers and Black Hills prospects that will be undertaken during 2014, to confirm parts of the estimated Exploration Targets. It is anticipated that this drilling will provide the necessary data to estimate a Mineral Resource for parts of these three prospects before early 2015.

Extents of the known graphite schist units at the Cobra Plains, Nicanda Hill, Charmers and Black Hills prospects on the Balama North Project from which the combined Exploration Target of between 730Mt to 1,200Mt at an assumed average graphite carbon grade between 5% and 6% allowing for dilution of low grade or non-graphite bearing material. Datum: WGS84 Zone 37S.

Competent Person Statement

The information in this report that relates to Exploration Targets at the Nicanda Hill, Charmers and Black Hills prospects on the Balama North project is based on, and fairly represents, information and supporting documentation prepared by Mr Mark Drabble, who is a Member of the Australasian Institute of Mining & Metallurgy. Mr Drabble is not a full-time employee of the Company. Mr Drabble is employed as a Consultant from Optiro Pty Ltd. Mr Drabble 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 2012 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves (the JORC Code)'. Mr Drabble consents to the inclusion in this report the exploration results and the supporting information in the form and context as it appears.