

Navarre Minerals Limited
ABN 66 125 140 105

ASX Code: NML

Corporate Details

Issued capital:

435.0M ordinary shares
21.8M unlisted options

Directors & Management:

Kevin Wilson
(Non-Executive Chairman)

Geoff McDermott
(Managing Director)

John Dorward
(Non-Executive Director)

Colin Naylor
(Director & Company Secretary)

Shane Mele
(Exploration Manager)

Jodi Ford (Accountant & Assistant
Company Secretary)

Contact Details

Geoff McDermott
Managing Director

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Quarterly Activities Report

Quarter ended 30 June 2019

HIGHLIGHTS

Stawell Corridor Gold Project

Irvine prospect - Resolution Lode

- Air-core drilling program of 11 holes for 446 metres completed during quarter - results will assist in diamond drill planning, with drilling scheduled to commence October 2019

Langi Logan prospect

- Interpretation of new gravity survey data indicate potential doubling of strike length of Langi Logan basalt dome to 12km
- Air-core drilling program of 10 holes for 580 metres completed prior to onset of winter rains. Drilling targeted Stawell-style gold mineralisation in new Langi Logan South prospect – assay results pending

Tandarra Gold Project (Navarre 49%)

- Results received for AC and RC drilling component of 10,000m drilling program at Tomorrow and Macnaughtan prospects. Diamond drilling continues. Highlights include:
 - **3m @ 44.6 g/t Au** from 111m, including **1m @ 131 g/t Au** (RCT233)
 - **6m @ 14.3 g/t Au** within a broader zone of **24m @ 4.2 g/t Au** from 110m (RCT249)
 - **8m @ 3.6 g/t Au**, including **1m @ 22.1 g/t Au** from 149m (RCT249)
 - **10m @ 2.7 g/t Au** from 79m, including **1m @ 10.3 g/t Au** (RCT252)
 - **5m @ 4.7 g/t Au** from 84m (ACT338)
- Strike length of gold mineralisation at the Tomorrow prospect extended by 300m to 1.1km, remaining open to the south and at depth

Corporate

- A \$6.0 million Share Placement (before costs) was completed during April 2019, well supported by Navarre's two major shareholders, Kirkland Lake Gold and The Victor Smorgon Group (each holding a 10% interest in Navarre)



Figure 1: Location of Navarre's key projects and prospects relative to the Fosterville and Stawell gold operations

1. EXPLORATION

OVERVIEW

During the June quarter the Company advanced exploration of its highly prospective gold projects in central and western Victoria. Exploration occurred on several fronts with programs completed at Navarre's 100%-owned Stawell Corridor, St Arnaud and Glenlyle projects and a drilling program at the 49%-owned Tandarra Gold Project (managed by Catalyst Metals Limited (**Catalyst**)) which is 50km from the world-class Fosterville Gold Mine.

STAWELL CORRIDOR GOLD PROJECT (Navarre 100%)

The Company is searching for gold deposits in an extension of a corridor of rocks that host the 5Moz Stawell and 1Moz Ararat goldfields – "The Stawell Gold Corridor" (Figure 2). Gold within the 4Moz Magdala gold deposit is hosted within meta-sediments on the margin of a Cambrian basalt dome; seven of these basalt domes have been identified within the Company's 60km long tenement package to date. The regional potential of the Stawell Gold Corridor is considered significant by the Company as demonstrated by Navarre's discoveries at the Irvine and Langi Logan prospects where gold is proximal to large basalt dome structures. Navarre is systematically exploring the Stawell Gold Corridor from north to south where more Cambrian basalt and associated gold mineralisation are predicted to occur.

Navarre is advancing its recent gold discoveries at the Irvine prospect (Resolution and Adventure lodes) and the Langi Logan prospect. Based on the initial high-grade gold drilling successes at each of these prospects, future drilling is prioritised to scope the potential for contribution toward a maiden mineral resource estimate for the Stawell Gold Corridor.

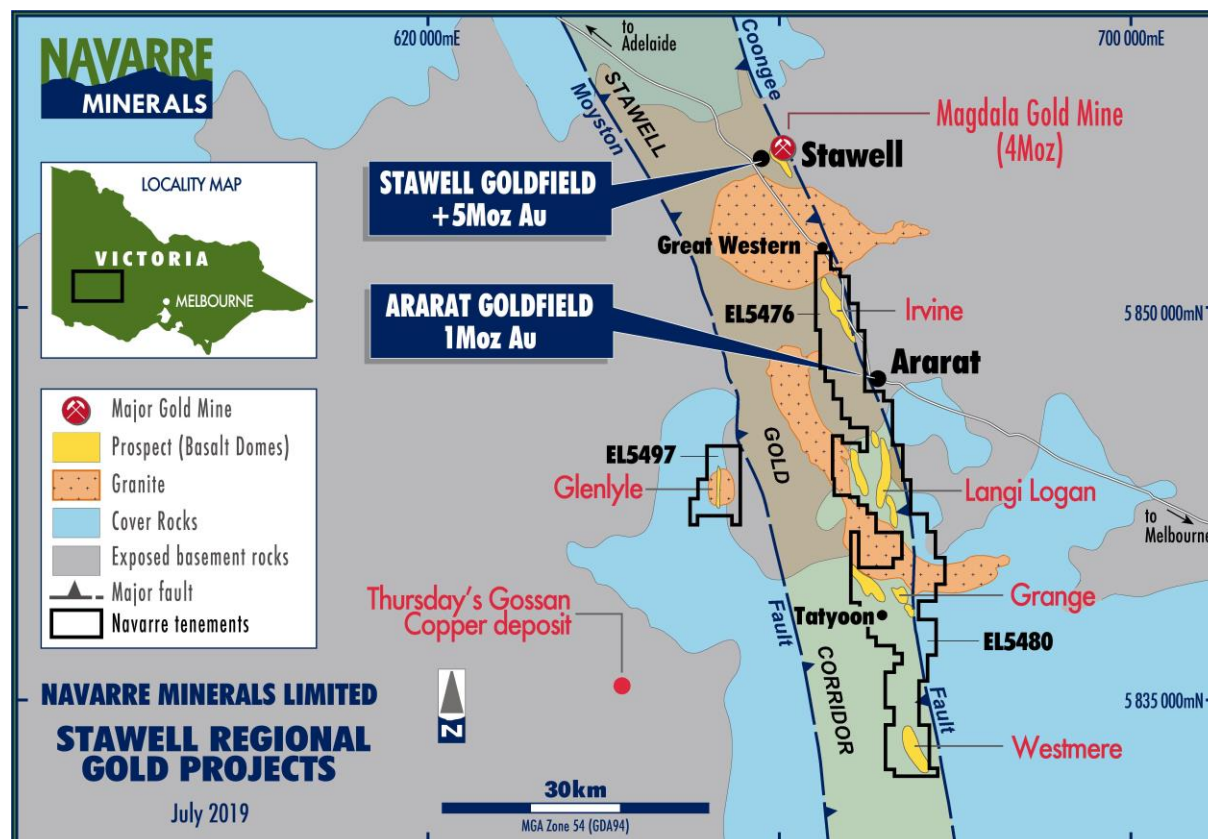


Figure 2: Location of Navarre's Stawell Gold Corridor projects and prospects

IRVINE BASALT DOME (EL 5476)

Resolution Lode

Gold mineralisation at Resolution Lode is hosted within a steeply west dipping structure positioned off the eastern contact of the Irvine basalt dome (Figure 3). Substantial progress since discovery in late 2016 (refer to ASX release dated 1 December 2016) has identified gold mineralisation along a 1.6km strike length to a maximum depth below surface of 170m (remains open at depth). High grade results include (see NML ASX releases of 1 December 2016, 24 April 2017, 28 July 2017, 28 May 2018):

- **6m @ 6.3 g/t Au** from 66m and **2.0m @ 41.5 g/t Au** from surface (IAC018) - *Discovery hole*
- **18.7m @ 7.9 g/t Au** from 196.3m, including **5.7m @ 11.6 g/t** (RD006)
- **10.6m @ 6.2 g/t Au** from 135.7m, including **3.3m @ 16.9 g/t Au** (RD012)
- **4m @ 9.8 g/t Au** from 72m, including **1.3m @ 16.8 g/t Au** (RD002)
- **2.9m @ 12.9 g/t Au** from 79.7m, including **0.7m @ 47.2 g/t Au** (RD001)
- **4.6m @ 6.2 g/t Au** from 244.1m (RD013)
- **6m @ 4.2 g/t Au** from 17m (IAC058)

During the quarter geological modelling of the Resolution Lode was completed. Interpretation revealed data gaps in the shallow drilling information. Navarre completed an 11 hole air-core (AC) program for a total of 446m in June to populate the data gaps. Results are expected in August.

Upon receipt of AC results, the Resolution Lode geological model will be updated to guide targeting for a deeper diamond drilling program planned for Q4, 2019. The aim of the diamond drilling program will be to expand the known mineralised surfaces of Resolution Lode and to contribute to a maiden mineral resource.

Adventure Lode

Geological modelling, incorporating the 2018 Reverse Circulation (RC) drill hole program, at Adventure Lode was completed during the quarter. The model will be used to predict gold shoot geometry to direct expansion drilling.

Work continues to demonstrate the potential of the Irvine Gold Project to be a new large-scale gold system similar to the Magdala gold deposit at Stawell.

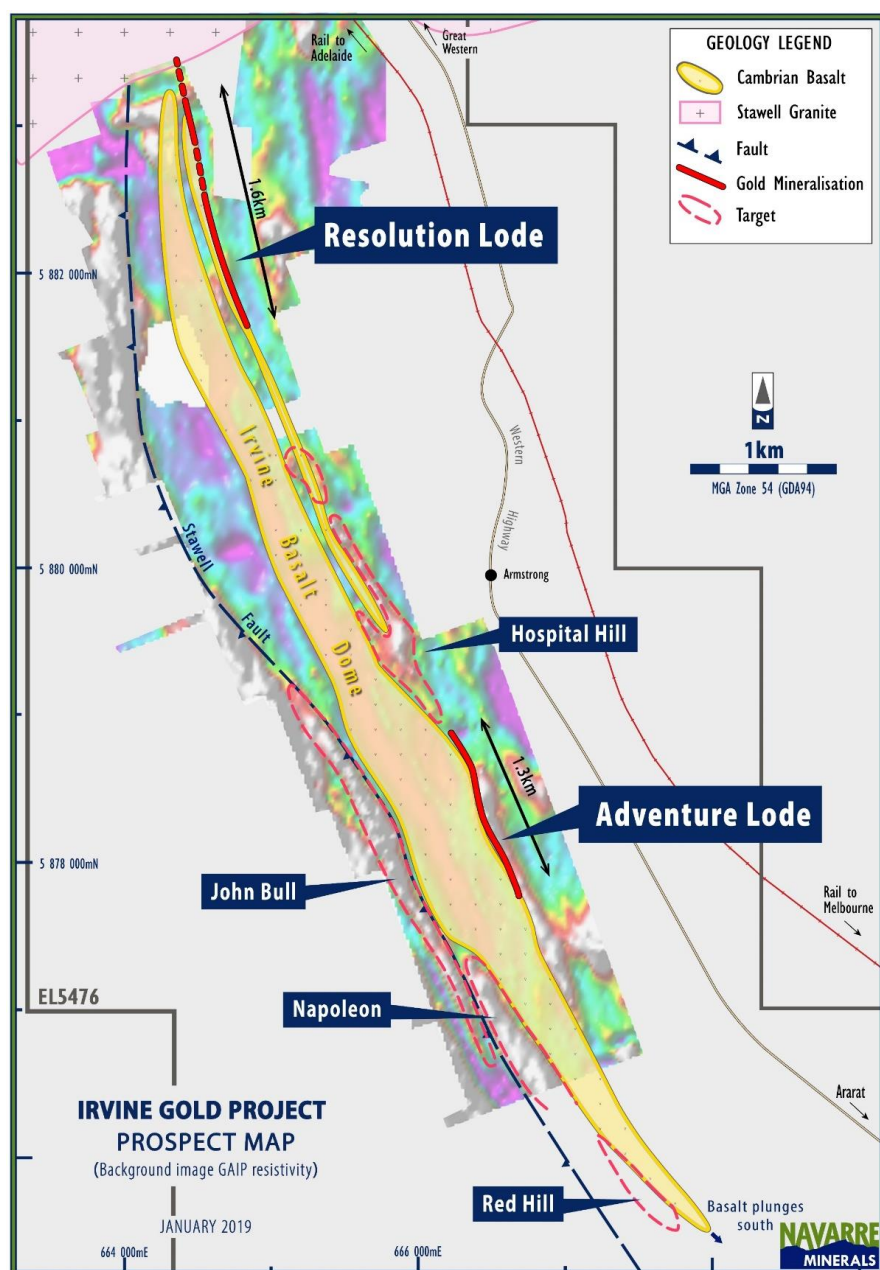


Figure 3: Irvine Gold Project map showing discovery areas and prospects

LANGI LOGAN BASALT DOME (ELs 5476, 5480, 6702, 6745)

The Langi Logan basalt dome is the next major prospect for Magdala style mineralisation south of the Irvine prospect within the Stawell Corridor Gold Project (Figures 1, 2 & 4). It consists of the Langi Logan and the Langi Logan South Cambrian basalt domes with a combined 12km strike length and is an area of significant historical Deep Lead production (133,000 oz of gold recorded). The project area is covered by un-mineralised Tertiary Basalt ranging from 2m to 30m in thickness.

Significant results from the first phase of shallow AC drilling were reported in the previous quarter (ASX announcements of 30 January 2019, 12 February 2019 & 17 April 2019), highlights include **33m @ 2.9 g/t Au** including **11m @ 5.1 g/t Au** and **2m @ 19.4 g/t Au** including **1m @ 33.6 g/t Au** all within the immediate basalt contact along the east flank of the Langi Logan basalt dome.

During the quarter, the Company announced a 3,000m AC program which commenced mid-June. In preparation for the drill program, reconnaissance work was completed including:

- **Gravity Survey** over both the Langi Logan and Langi Logan South Cambrian basalt domes. Subsequently, an infill gravity survey was completed over the Langi Logan dome for better resolution of its complex geometry. The results define the position of the Cambrian basalt margins for drill targeting.
- **Soil Sampling** over a 1.8km x 1.8km area of the Langi Logan South basalt, including areas with little to no Tertiary Basalt cover. Portable handheld XRF analysis confirmed important gold pathfinder elements coincident with the margins of the interpreted position of the Langi Logan South basalt.

The drill program was partially completed with 580 metres drilled across 10 holes before inclement weather forced the program to be postponed. Most holes were completed on the west flank of the Langi Logan South basalt. Results are pending.

The Langi Logan prospect is at an early stage of exploration and is already showing good potential to be a new gold system similar to the Magdala gold deposit at Stawell.

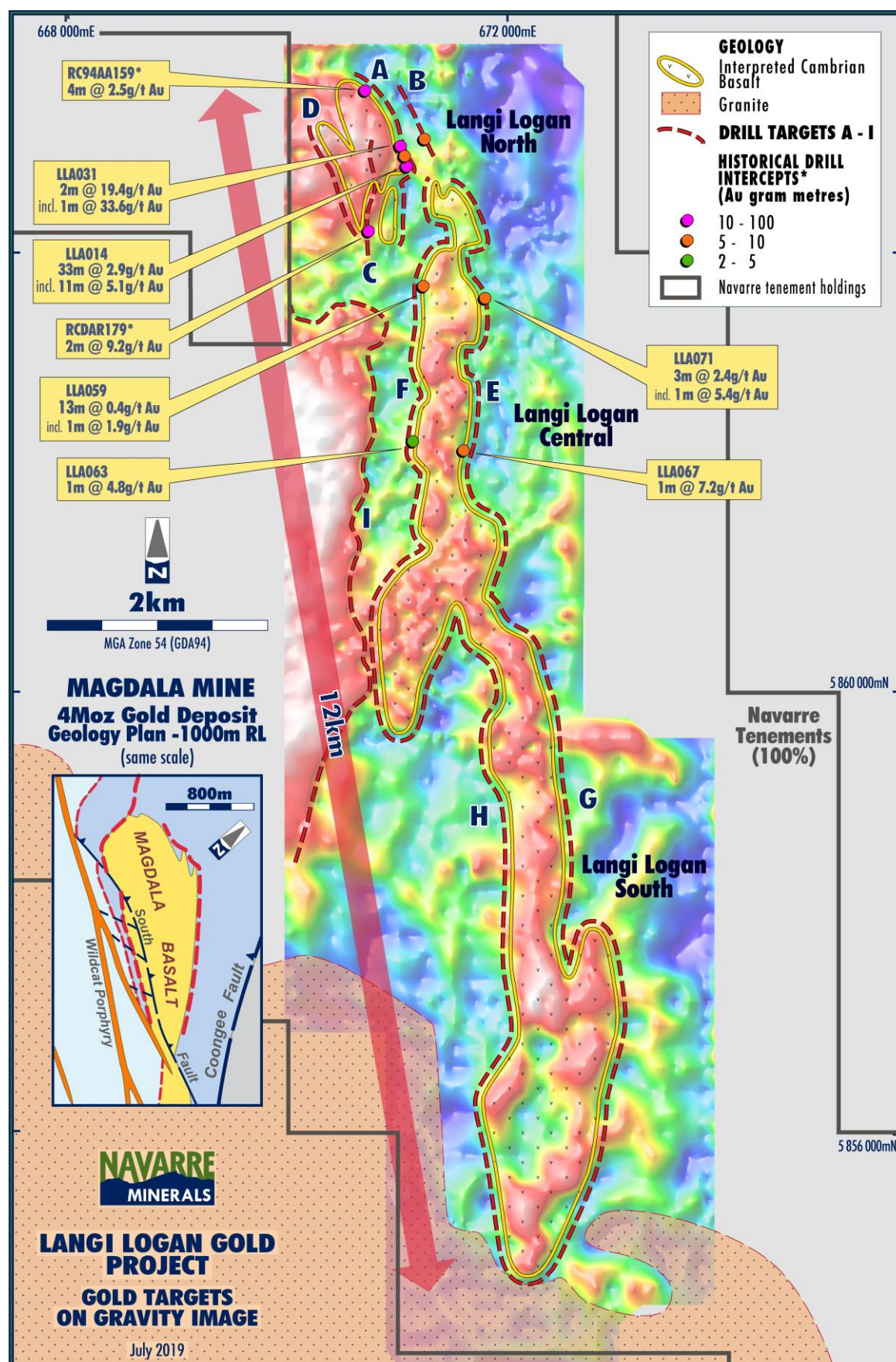


Figure 4: Gravity image showing recent AC drill results (reported previously) and geological interpretation.

ST ARNAUD GOLD PROJECT (Navarre 100%)

The St Arnaud Gold Project surrounds the historical St Arnaud Gold field (~400,000oz production) where high-grade gold was mined from quartz lodes in a structural setting consistent with most gold deposits in Central Victoria, including Bendigo and Fosterville (Figures 1 & 5).

During the quarter, three-dimensional structural modelling was completed on the St Arnaud East prospect and subsequently used to target an AC drill program. The AC drill program of 975m across 11 holes, completed early June, is a second phase to follow up the initial shallow AC drilling which returned gold up to **8.6 g/t Au** and silver up to **81 g/t Ag** (refer to ASX release dated 5 February 2019). Results are pending.

The AC drill program targeted the position where the east-west trending South quartz reef structure intersects with a northwest trending quartz reef, like the structural setting of the high-grade Swan and Eagle Zones at the Fosterville Gold Mine (located 130km to the east of St Arnaud). Phase 1 drilling at the St Arnaud East prospect, reported the previous quarter, returned the strongest gold results from the South quartz reef structure which included 6m @ 2.5 g/t Au including 1m @ 5.4 g/t Au and 4m @ 1.7 g/t Au including 1m @ 5.8 g/t Au (field duplicate assayed 8.6 g/t Au). These structures outcrop at surface, are highlighted by the presence of many historical workings and have been mapped in detail by a structural geologist.

The St Arnaud Gold Project is an early stage project with potential to host high-grade gold and silver in quartz veins similar in structure and geometry to Fosterville's Swan and Eagle zones.



Figure 5: St Arnaud Gold Project map showing historical gold production, interpreted mineralised trends, location of St Arnaud East prospect and previous Navarre drill results

GLENLYLE PROJECT (EL 5497) (Navarre 100%)

The Glenlyle Project occurs in the Stavelly Arc where regional geophysics indicate a possible circular intrusive at depth (Figure 1). The zone holds the potential for Porphyry, epithermal and volcanogenic hosted massive sulphide (VHMS) mineralisation as indicated by other prospects in the Stavelly Arc. Drilling to date at Glenlyle has identified a silver-gold anomaly at least 150m wide with silver up to **390 g/t Ag**, gold up to **4.0 g/t Au** and including minor zinc up to 0.7% and Lead up to 0.3% (Figure 6). The anomalous zone remains open to the north, south and at depth.

During the quarter, isotope studies on lead and sulphur in two pyrite samples taken from recent AC drilling at Glenlyle provided insight into the age and mineralisation style at Glenlyle. Lead isotope composition of the pyrite samples indicate a potential Cambrian age. Sulphur isotopes from the two pyrite samples were comparable to known porphyry and VHMS deposits in south-eastern Australia.

Detailed geophysical work was completed to aid with future drill targeting. This included:

- a **Gravity Survey** over most of the tenement area;
- a **Ground Magnetics Survey** over the area of known silver and gold anomalism; and
- **3D Magnetic and Gravity inversions** incorporating regional magnetic and gravity data.

Due to the potential for VHMS mineralisation, highlighted in the sulphur isotope study, the Company will conduct an EM survey over the prospective area to support drill targeting.

Glenlyle is an early stage project with potential for polymetallic mineralisation hosted in either a porphyry, epithermal or VHMS setting.

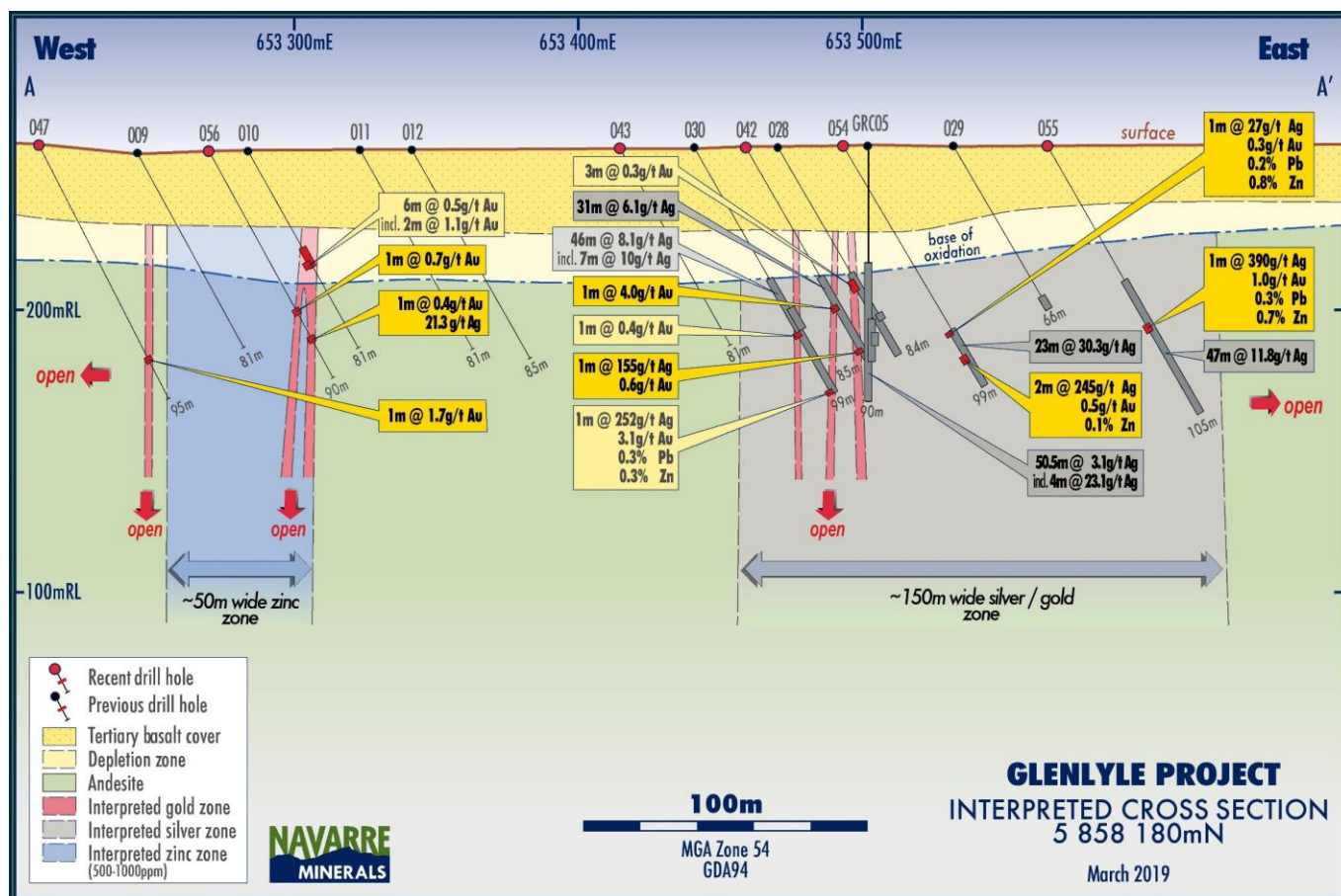


Figure 6: Cross-section 5 858 180N interpretation across the Glenlyle Project showing key drill intercepts, geology and alteration.

TANDARRA GOLD PROJECT (RL 6660) (Navarre 49%)

The Tandarra Gold Project is a gold discovery located 40kms north of the 22 million ounce Bendigo Goldfield and approximately 50kms northwest from Kirkland Lake Gold's world-class Fosterville Gold Mine (Figures 1 & 7). It is an advanced exploration project with strong potential to reveal a large-scale gold system obscured by shallow cover.

High-grade gold mineralisation at Tandarra is associated with several quartz reef structures, resembling the hard rock mineralisation in the Bendigo Goldfield. In geological terms, Tandarra is along strike from Bendigo and sits in a similar structural position relative to the regionally significant Whitelaw Fault.

The Tandarra Gold Project is operated under joint venture (JV) with operator, Catalyst (ASX: CYL) who have earned a 51%-interest in the project during 2018.

During the quarter the JV completed a combined AC/RC drill program at Tandarra, consisting of:

- **A RC drill program of 24 holes for 3,615 metres** to test the northern and southern extents of the Tomorrow mineralised structure. High grade results, up to **131 g/t Au**, confirm the gold mineralisation a further 300m south giving an overall strike length of 1.1km for the Tomorrow mineralisation.
- **An AC drill program of 36 holes for 4,563 metres** to target the southern extension of the Macnaughtan Prospect (approximately 300m west of the Tomorrow Prospect), support the Tomorrow Prospect RC drill program and test several regional gravity targets. Results are encouraging at the Macnaughtan prospect and warrant further investigation.

Tomorrow Prospect:

New drill intersections returned from this latest phase of drilling include (see Figure 8):

- **3m @ 44.6 g/t Au** including **1m @ 131.0 g/t Au**, from 111m down hole in RCT233
- **6m @ 14.3 g/t Au** from within a broader zone of **24m @ 4.2 g/t Au** from 110m down hole in RCT249
- **8m @ 3.6 g/t Au** including **1m @ 22.1 g/t Au**, from 149m down hole in RCT249
- **6m @ 2.7 g/t Au** including **1m @ 14.0 g/t Au**, from 166m down hole in RCT249
- **1m @ 11.4 g/t Au** from 33m down hole in RCT249
- **1m @ 14.3 g/t Au** from 144m down hole in RCT246
- **10m @ 2.7 g/t Au** including **1m @ 10.3 g/t Au**, from 79m down hole in RCT252
- **6m @ 2.6 g/t Au** from 34m down hole in RCT248
- **5m @ 4.7 g/t Au** from 84m down hole in ACT338
- **3m @ 1.8 g/t Au** from 102m down hole in ACT338

The geometry of the gold intercepts shows vertical repetition or "stacking" of the shallowly plunging mineralised lenses. This "stacking" is most evident in RC hole RCT249 with multiple high-grade gold intercepts. This is typical of gold mineralisation throughout central Victoria, most notably in the Fosterville gold mine and historical mines at Bendigo. A four-hole diamond drilling program is underway to test these "stacked" mineralised zones.

Macnaughtan Prospect:

New drill intersections from the latest phase of drilling include:

- **1m @ 2.4 g/t Au** from 79m down hole in ACT332

- **1m @ 3.9 g/t Au** from 130m down hole in ACT333
- **1m @ 5.1 g/t Au** from 137m down hole in ACT333

There is another intercept in AC hole ACT331 where a composite sample returned **3m @ 15.55 g/t Au** (bulk leach assay), subsequent bulk leach assays of 1 metre sub-samples (using drill sample residues) were unable to replicate the results returning a maximum assay of **1m @ 3.1 g/t Au**. Further drilling is recommended to resolve this.

These are promising results in early stage drilling at the Macnaughtan prospect and require further drilling, especially when considering current drill spacing is sparse on traverses nominally 500m apart.

Regional Gravity Targets

Results from regional targets returned low-level anomalous gold values with a peak assay of 1m @ 0.3 g/t Au from 83m in hole ACT354 at the northern Prairie Zone. Considering the overall prospectivity of the Tandarra Project it is likely that low-cost reconnaissance work continues.

Further information on the Tandarra Gold Project is provided in Navarre's ASX announcement of 1 July 2019.

Exploration continues at the advanced Tandarra Gold Project to reveal a large-scale gold system.

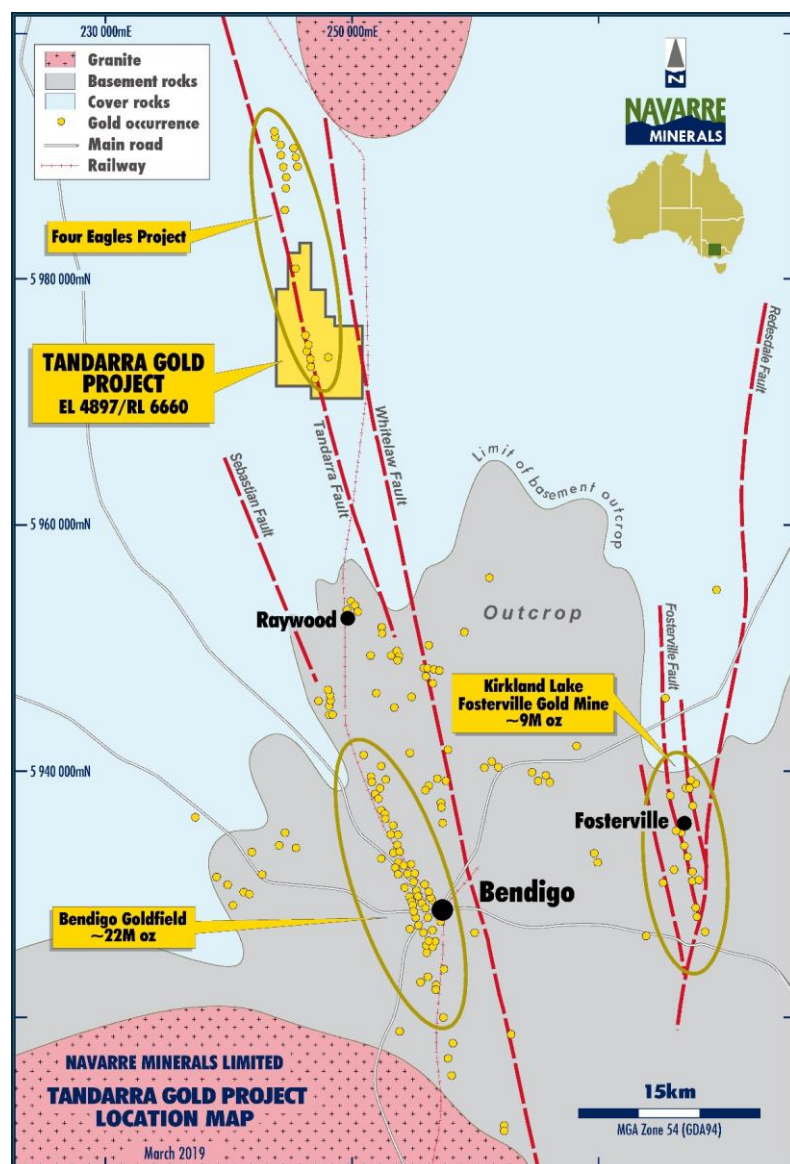


Figure 7: Tandarra Gold Project location map

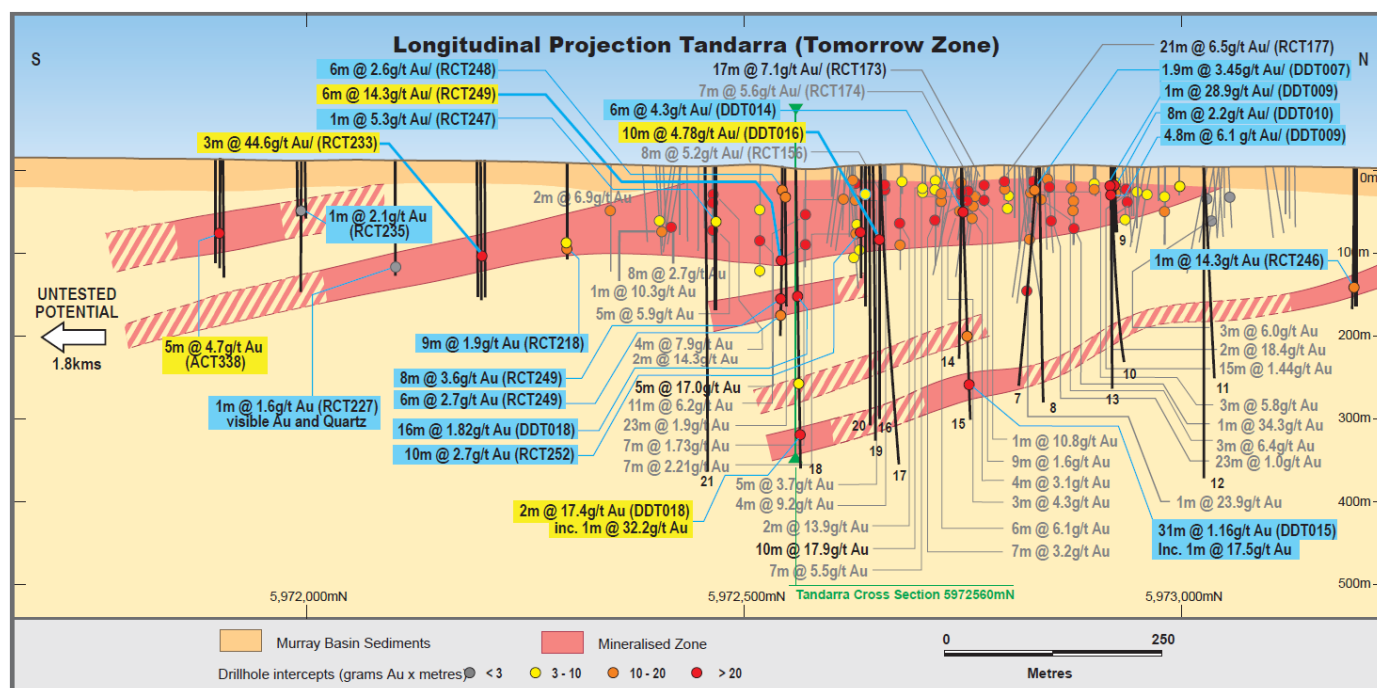


Figure 8: Longitudinal projection of the Tomorrow Gold Zone showing recent intersections (highlighted blue and yellow) and location of 2019 AC, RC and diamond drill holes (source: Catalyst Metals Limited).

STAVELY PROJECT (EL 5425) (Navarre 100%)

Stavely Minerals Limited (ASX: SVY) (**Stavely**) may earn up to an 80% equity interest in Exploration Licence EL 5425 from Navarre by spending \$450,000 over a five year period. EL 5425 surrounds the Stavely Copper Project in western Victoria (Figure 9).

No significant activity was undertaken during the quarter.

2. ACTIVITIES PLANNED FOR THE NEXT QUARTER

Stawell Corridor Gold Project:

Irvine prospect:

- Receive and interpret assay results of AC program and incorporate into geological model of Resolution Lode
- Plan deeper expansion diamond drilling program to commence following end of winter rains

Langi Logan prospect:

- Receive and report assay results of completed AC program
- Complete interpretation of geophysics and geological modelling of Cambrian basalt structures
- Plan follow-up drilling programs

St Arnaud Gold Project:

- Receive, interpret and report assay results of AC program

Tandarra Gold Project:

- Complete diamond drilling program and receive/interpret assay results
- Report outstanding assay results and plan next steps

Glenlyle Gold – Silver Project:

- Plan EM survey for end of year program

3. CORPORATE

- The Company's cash balance at 30 June 2019 was \$6.0 million (31 March 2019, \$1.8 million).
- At the start of the quarter, the Company successfully completed a \$6.0 million Share Placement (before costs). The share placement consisted of 80 million fully paid ordinary shares issued at \$0.075 per share to qualified institutional and sophisticated investors. Navarre's two largest shareholders, Kirkland Lake Gold Ltd and VBS Exchange Pty Ltd (The Victor Smorgon Group) subscribed for approximately \$1.3 million of the Placement (21.1% of the total Placement) to maintain their respective 10% interests in Navarre.
- Navarre has been successful in its application for participation in the Federal Government's Junior Minerals Exploration Incentive ("JMEI") scheme for the 2019/2020 income tax year. JMEI credits of up to \$1.5M may be distributed to eligible shareholders as a tax offset or franking credit for the 2019/2020 income tax year. To be eligible, shareholders must participate in capital raising activities between 1 July 2019 and 30 June 2020.

Following lodgement of the FY2018/2019 Navarre tax return, the Company will notify Eligible shareholders of their FY2018/2019 JMEI credit entitlement.

- Navarre held an Extraordinary General Meeting of shareholders on Friday 17 May 2019. All resolutions were decided on a show of hands and passed as ordinary resolutions.

4. MINERAL TENEMENT PORTFOLIO

The mineral tenement holding of the Navarre Minerals Limited Group as at 30 June 2019 was:

Name	Tenement	Tenure Type	Status	NML Group Interest
STAWELL CORRIDOR GOLD PROJECT (south of Stawell, Victoria)				
Ararat	EL 5476	Exploration Licence	Granted	100%
Tattoon	EL 5480	Exploration Licence	Granted	100%
Long Gully	EL 6525	Exploration Licence	Granted	100%
Westgate	EL 6526	Exploration Licence	Granted	100%
Petticoat Gully	EL 6527	Exploration Licence	Granted	100%
Dutton	EL 6528	Exploration Licence	Granted	100%
<i>Eastern Maar</i>	<i>ELA 6530</i>	<i>Exploration Licence</i>	<i>Application</i>	<i>0%</i>
Langi Logan	EL 6702	Exploration Licence	Granted	100%
Langi Logan West	EL 6745	Exploration Licence	Granted	100%
<i>Margaret Gully</i>	<i>ELA 6843</i>	<i>Exploration Licence</i>	<i>Application</i>	<i>0%</i>
TANDARRA GOLD PROJECTS (north of Bendigo, Victoria)				
Tandarra	RL 6660	Retention Licence	Granted	49%
ST ARNAUD GOLD PROJECT (north of Stawell, Victoria)				
St Arnaud	EL 6556	Exploration Licence	Granted	100%
<i>Lord Nelson</i>	<i>ELA 6819</i>	<i>Exploration Licence</i>	<i>Application</i>	<i>0%</i>
WESTERN VICTORIA COPPER PROJECT (west of Stawell, Victoria)				
Black Range	EL 4590	Exploration Licence	Granted	100%
Stavely	EL 5425	Exploration Licence	Granted	100% [#]
Glenlyle	EL 5497	Exploration Licence	Granted	100%

[#] Stavely Minerals Limited has the right to earn an 80% interest in Stavely by expenditure of \$0.45 million over a five-year period to 2022.

The Company's beneficial interests in any farm-in or farm-out agreements did not change during the quarter, except as specifically stated elsewhere in this Report.

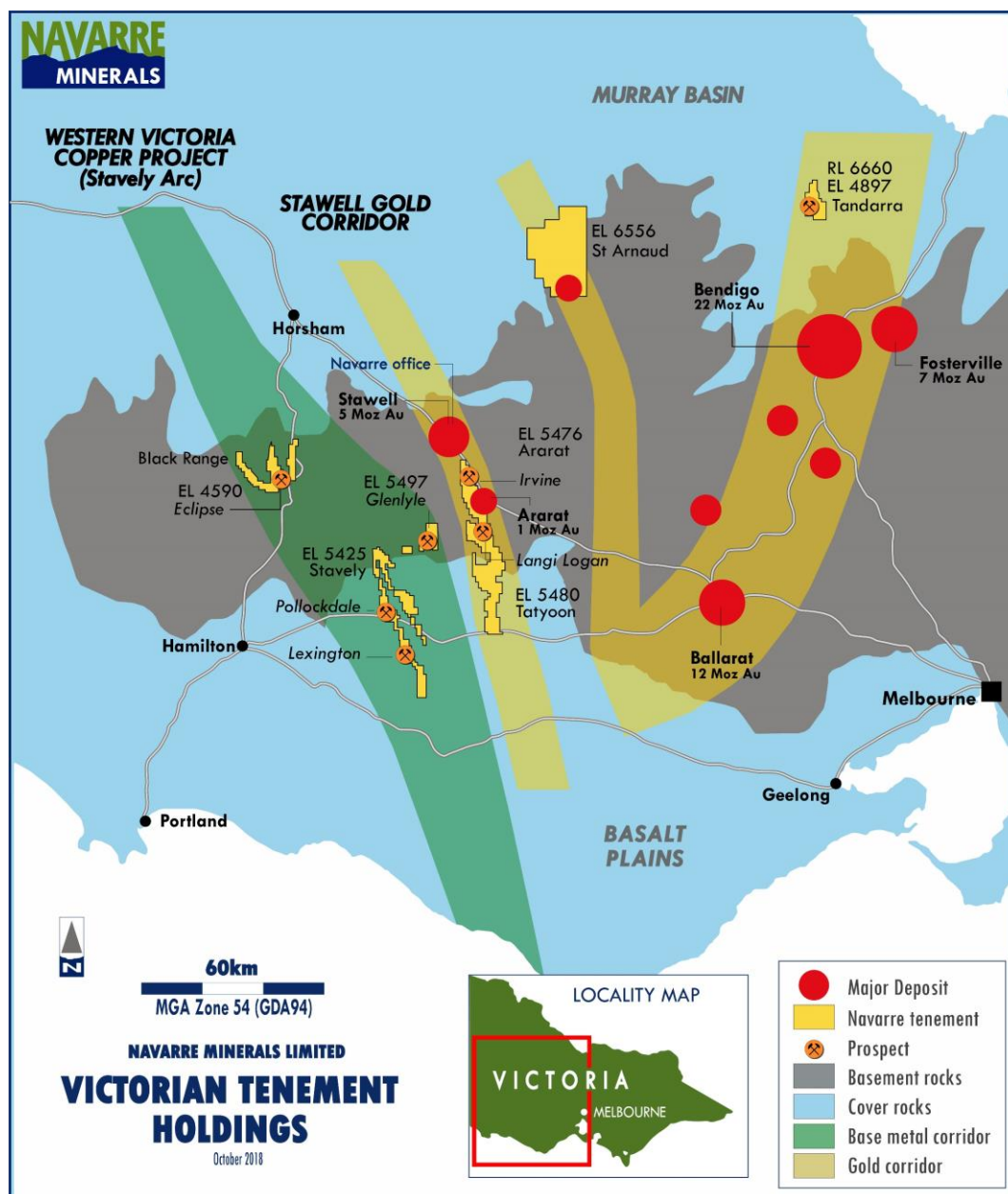


Figure 9: Location of Navarre's Victorian mineral projects

- ENDS -

For further information, please visit www.navarre.com.au or contact:

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Colin Naylor
Director & Company Secretary

About Navarre Minerals Limited:

Navarre Minerals Limited (ASX: NML) is an Australian-based resources company that is creating value from a portfolio of early to advanced stage gold projects in Victoria, Australia.

Navarre is searching for gold deposits in the extension of a corridor of rocks that host the Stawell (~five million ounce) and Ararat (~one million ounce) goldfields (**The Stawell Corridor Gold Project**). The discovery of outcropping gold on the margins of the **Irvine** basalt dome and high-grade gold in shallow drilling at **Langi Logan** are a prime focus for the Company. These projects are located 20km and 40km respectively south of the operating 4Moz Stawell Gold Mine.

The high-grade **Tandarra Gold Project** is located 50km northwest of Kirkland Lake Gold's world-class Fosterville Gold Mine, and 40km north of the 22 million-ounce Bendigo Goldfield. Exploration at Tandarra, in Joint Venture with Catalyst Metals Limited (NML 49%), is targeting the next generation of gold deposits under shallow cover in the region.

At the **Glenlyle Gold – Silver Project** the Company has identified a broad zone of gold-silver-base metals mineralisation above a potential porphyry copper-gold target that occurs in the same volcanic package that hosts the nearby Thursday's Gossan deposit.

The Company is searching for a potential Fosterville-style high-grade gold mineralisation system at the **St Arnaud Gold Project**. Recent reconnaissance drilling has identified gold mineralisation under shallow cover which the Company believes may be an extension of the historic 0.4Moz St Arnaud Goldfield.

Competent Person Declaration

The information in this release that relates to the Company's Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Shane Mele, who is a Member of The Australasian Institute of Mining and Metallurgy and who is the Exploration Manager of Navarre Minerals Limited. Mr Mele 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 Exploration Results, Mineral Resources and Ore Reserves'. Mr Mele consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

This announcement contains "forward-looking statements" within the meaning of securities laws of applicable jurisdictions. Forward-looking statements can generally be identified by the use of forward-looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "believe", "continue", "objectives", "outlook", "guidance" or other similar words, and include statements regarding certain plans, strategies and objectives of management and expected financial performance. These forward-looking statements involve known and unknown risks, uncertainties and other factors, many of which are outside the control of Navarre and any of its officers, employees, agents or associates. Actual results, performance or achievements may vary materially from any projections and forward-looking statements and the assumptions on which those statements are based. Exploration potential is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource. Readers are cautioned not to place undue reliance on forward-looking statements and Navarre assumes no obligation to update such information.