

Knocking on the Door to Discovery in Western Victoria

RIU Explorer's Conference 2018

STAVELY MINERALS



Disclaimer

This presentation contains only an overview of Stavely Minerals Limited ("Stavely" or the "Company") and its activities and operations. The contents of this presentation, including matters relating to the geology and exploration potential of the Company's projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of the Company's control, may cause the actual results, performance and achievements of the Company to differ materially from those expressed or implied in this presentation.

To the maximum extent permitted by law, Stavely does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of the Company, and will not be responsible for any loss or damage arising from the use of the information.

The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors should seek independent advice before making any investment decision in regard to the Company or its activities.

STAVELY MINERALS



ASX Code – SVY Shares on Issue – 148.7M

Share Price - \$0.315 Market Cap - \$46.8M

Cash (20/02/18) - \$8.8m* Management ~34.4% equity

*Excludes Titeline Drilling agreement and Victorian Gov't co-funding, includes SPP funds

Directors

Bill Plyley

Non-executive Chairman

Chris Cairns

Managing Director

Jennifer Murphy

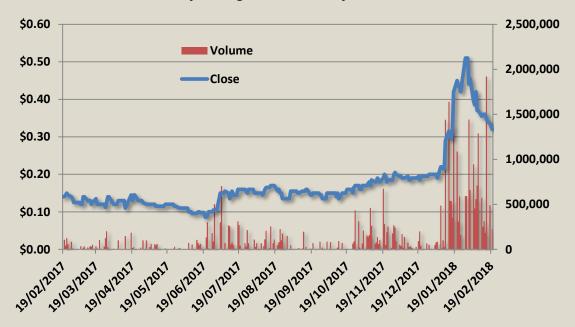
Technical Director

Peter Ironside

Non-executive Director

Amanda Sparks

Company Secretary



^{*\$2}m share subscription agreement with Titeline Drilling Pty Ltd announced to the ASX on 7 October 2014

TAKE AWAY MESSAGES

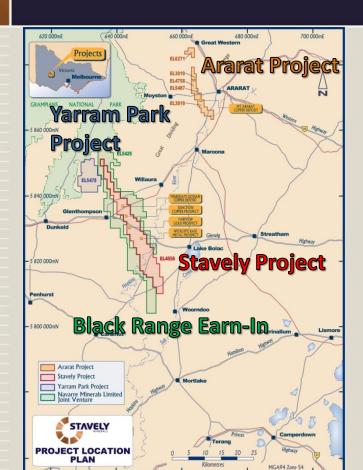


- 1. Stavely provides good value for investors 71% 'in the ground'
- 2. Stavely has conclusively demonstrated that copper **and** gold alkalic porphyry-style mineralisation is present at Thursday's Gossan
- 3. Alkalic porphyries are amongst the largest gold deposits
- 4. Recent drill results demonstrate that we are very close to the highgrade copper-gold zone
- 5. Given the Stavely Volcanic Belt is an alkalic copper-gold porphyry belt, other porphyry targets in the belt with very little prior exploration are also significant discovery opportunities eg. Toora West, Mount Stavely (not a single drill hole), Drysdale and Junction



VICTORIAN PROJECT LOCATIONS





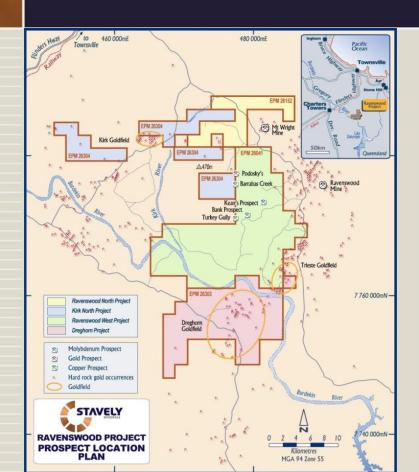
Victorian Projects

The Ararat Project is prospective for VMS base metals-gold and 'Stawell-style' gold mineralisation.

The Stavely, Yarram Park and Black Range Projects are prospective for ancient porphyry copper-gold and VMS base metals-gold mineralisation.

QUEENSLAND PROJECT LOCATION





Queensland Project

The Ravenswood Project is prospective for:

- porphyry copper-moly-gold,
- quartz-sulphide vein-hosted gold
- breccia-hosted gold mineralisation
- epithermal gold
- VMS copper-gold

Active exploration to resume in April – too damn hot!

MINERAL RESOURCES¹



At the **Ararat Project**, hosted in a Besshi-style VMS:

Inferred Mineral Resources of 1.3Mt at 2.0% copper, 0.5
g/t gold, 0.4% zinc and 6 g/t silver for 30kt of contained
copper

At the **Stavely Project** hosted in a secondary chalcociteenriched blanket:

 Inferred Mineral Resources of 28Mt at 0.4% copper for 110kt of contained copper

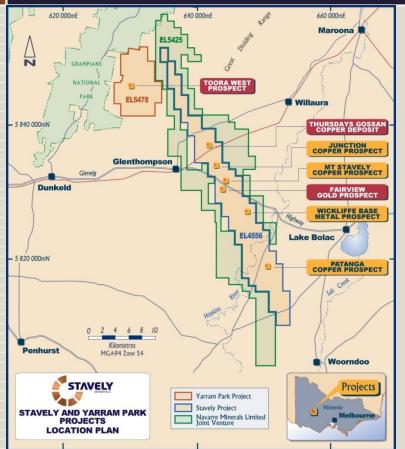
¹ reported in compliance with JORC 2012, see ASX announcement 8 September 2015, subsequent Annual Reports and available from www.stavely.com.au



PORPHYRY DISCOVERY OPPORTUNITIES: THURSDAY'S GOSSAN, TOORA WEST AND OTHERS

STAVELY VOLCANIC BELT



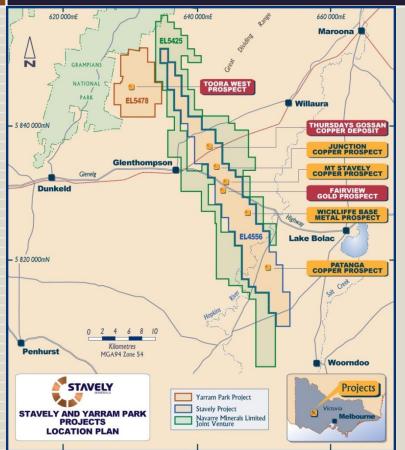


Stavely has the largest and most strategic tenement holding in the belt

- Thursday's Gossan porphyry
- Toora West porphyry prospect
- Junction porphyry
- Mount Stavely porphyry
- Fairview Gold prospect
- Wickliffe VMS prospect
- Patanga copper prospect

STAVELY VOLCANIC BELT





Stavely has the largest and most strategic tenement holding in the belt

- Thursday's Gossan porphyry
- Toora West porphyry prospect
- Junction porphyry
- Mount Stavely porphyry
- Fairview Gold prospect
- Wickliffe VMS prospect
- Patanga copper prospect

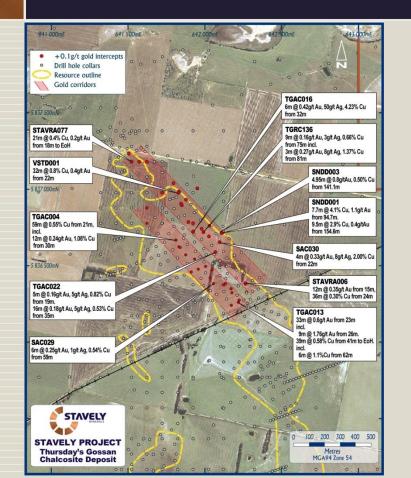




Thursday's Gossan Chalcocite Blanket

Inferred Mineral Resources of **28Mt at 0.4% copper** for 110kt of contained copper





Two parallel zones of nearsurface high-grade copper mineralisation with associated silver and gold....

These zones correspond to the near-surface expression of sulphide-rich porphyry 'D' veins

WHAT ARE 'D' VEINS?



'D' veins are late-

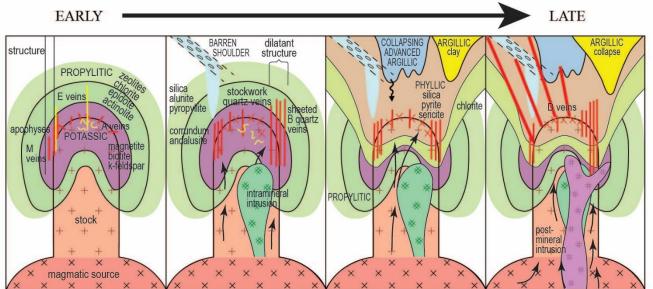
veins with

stage sulphide-rich

characteristic sericite

alteration selvedges.

STAGED PORPHYRY Cu-Au EVOLUTION



Intrusion emplacement and heat transfer with prograde alteration. E veins.

Initiation of A & M quartz vein formation and early mineralization.

B quartz vein formation.

Exsolution of magmatic volatiles and formation of barren shoulder

Cooling and collapsing of retrograde phyllic and argillic alteration and overprinting collapsing advanced argillic alteration

Local retrograde alteration selvages to B grades.

Continued retrograde collapse. D vein mineralization. & post-mineral features.

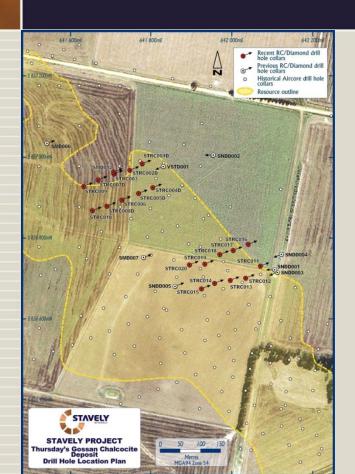
Corbett SC2012 1462

They should be a 'yellow brick road' down to the source

After Corbett, 2012

porphyry.





Completed 20 x drill hole RC drilling programme to target these high-tenor copper, silver and gold zones

- ✓ Potential for material impact on Mineral Resources update given NO silver and gold ever estimated within the Mineral Resource
- ✓ Help us understand where the gold and silver are coming from

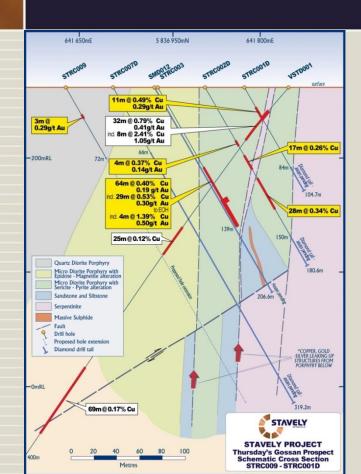
see ASX announcements on 03/07/2017, 23/08/2017 and 05/09/2017 and available from www.stavely.com.au



Thursday's Gossan RC drilling

- > 24 metres at 0.64% copper and 1.2 g/t gold including:
 - 14 metres at 0.82% copper and 1.99 g/t gold including
 - 1 metre at 0.84% copper and 22.2 g/t gold
- > 29 metres at 0.53% copper and 0.30 g/t gold to end of hole (EoH), including
 - 4 metres at 1.39% copper, 0.5 g/t gold and 55 g/t silver
- > 25 metres at 0.52% copper and 0.37 g/t gold to EoH
- > 3 metres at 4.14% copper, 0.36 g/t gold and 59 g/t silver
- > 43 metres at 0.55% copper and 0.11 g/t gold
- > 28 metres at 0.59% copper and 0.19 g/t gold
- > 8 metres at 0.74% copper and 0.17 g/t gold
- > 25 metres at 0.30% copper and 0.29 g/t gold to EoH including
 - 3 metres at 1.24% copper and 1.31 g/t gold





Thursday's Gossan RC Drilling (north section)

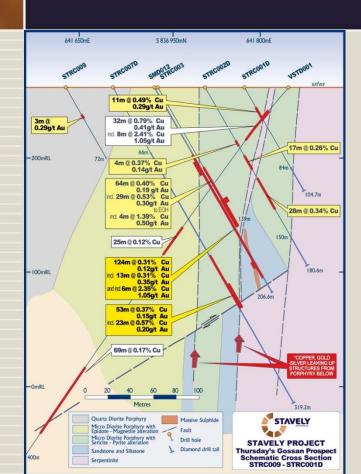
Shallow RC drill results:

- 64m at 0.40% copper and 0.19g/t gold, including
 - 29m at 0.53% copper and
 0.3g/t gold to end of hole
- 11m at 0.49% copper and 0.29g/t gold, and

A number of RC drill holes stopped in grade.

see ASX announcements on 03/07/2017, 23/08/2017 and 05/09/2017 and available from www.stavely.com.au



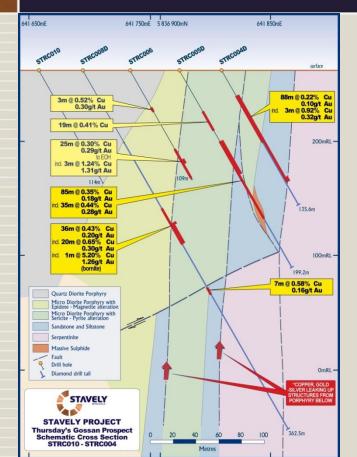


Thursday's Gossan Diamond Tails (north section)

RC drill holes continued / twinned with diamond drill 'tails'. Diamond drill results:

- 124m at 0.31% copper and 0.12g/t gold, and
- 53m at 0.37% copper and 0.15g/t gold, including
 - 23m at 0.57% copper and 0.20g/t gold





Thursday's Gossan Diamond Tails (second north section)

RC drill holes continued / twinned with diamond drill 'tails'. Diamond drill results:

- 36m at 0.43% copper and 0.20g/t gold, including
 - 20m at 0.65% copper and 0.30g/t gold
- > 85m at 0.35% copper and 0.18g/t gold, including
 - 35m at 0.44% copper and 0.28g/t gold

see ASX announcement 05/09/2017 and available from www.stavely.com.au



CADIA RIDGEWAY ANALOGY:

7-PHASES OF DRILLING BEFORE DISCOVERY, HIGH-GRADE GOLD-COPPER MINERALISATION ASSOCIATED WITH 'M' VEINS

THE PRIZE



The Cadia Ridgeway gold-copper deposit had total production to March 2012 of 76.7Mt at 1.83g/t gold and 0.63% copper for a contained **4.5 million ounces** of gold and **483,000 tonnes of copper**.

Source: Porter GeoConsultancy Pty Ltd.

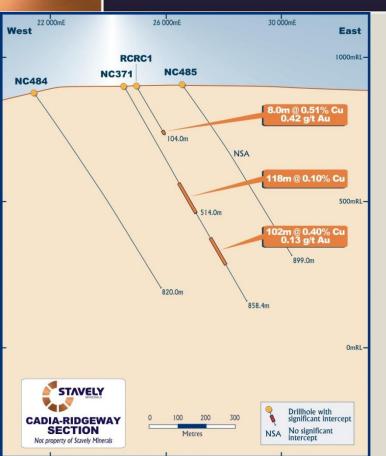
The Cadia Ridgeway gold-copper deposit has horizontal dimensions of 250m x 150m.

Source: Wilson (2003) PhD Thesis

It is 600m tall.

CADIA RIDGEWAY EXPLORATION





Cadia Ridgeway (pre-discovery)

Diamond drill results:

- 118m at 0.10% copper and spotty gold
- 102m at 0.40% copper and 0.13g/t gold

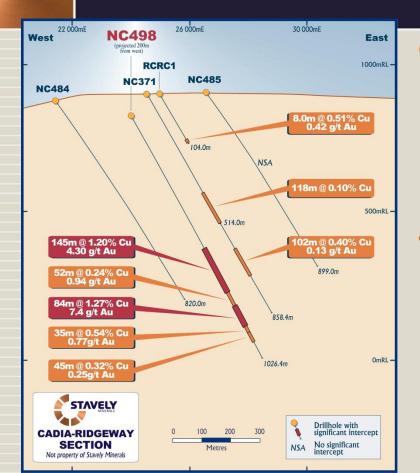
Thursday's Gossan Porphyry (so far)

Diamond drill results:

- 283m at 0.16% copper
- 85m at 0.35% copper and 0.18g/t gold
- 124m at 0.31% copper and 0.12g/t gold

CADIA RIDGEWAY EXPLORATION





Cadia Ridgeway (discovery)

Diamond drill results:

- 145m at 1.2% copper and 4.30g/t gold,
- 84m at 1.27% copper and 7.40g/t gold

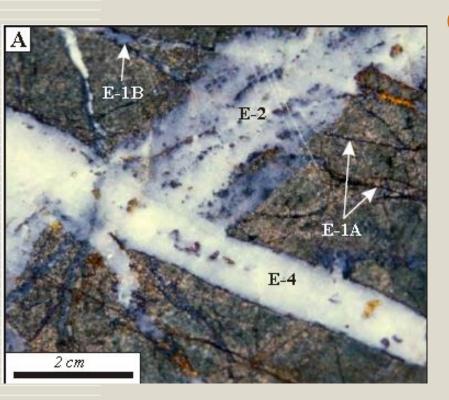
Thursday's Gossan Porphyry

Drilling in-progress

see ASX announcement 05/09/2017 and available from www.stavely.com.au

CADIA RIDGEWAY EXPLORATION





Cadia Ridgeway (discovery)

Diamond drill results:

- 145m at 1.2% copper and 4.30g/t gold,
- 84m at 1.27% copper and 7.40g/t gold

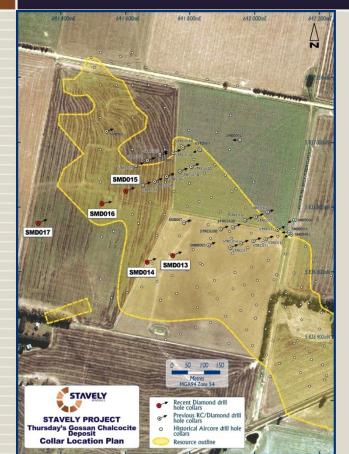
The distribution of high-grade gold is closely related to the distribution of E-2 'M' veins.

'E' is used to indicate that they are 'early' in the mineralising sequence.



DRILL HOLES SMD015, 016 AND 017





Recent results from late 'D' veins in SMD015:

- ➤ 9m of 2.62% copper and 0.28g/t gold, including
 - 4m of 5.41% copper and 0.35g/t gold, including
 - 1m at 14.75% copper and 0.33g/t gold
- ➤ 4m at 5.85% copper and 0.27g/t gold, including
 - 1m at 10.75% copper and 0.60g/t gold

see ASX announcement 19/01/2018 and available from www.stavely.com.au



Magnetite veins intercepted in SMD015 could be far more important as a proximal indicator to mineralisation



- +100m intercept of classic porphyry 'M' veins:
- Typical of gold-rich porphyries
- Veins in this photo are similar to the E-1A 'M' veins at Cadia Ridgeway



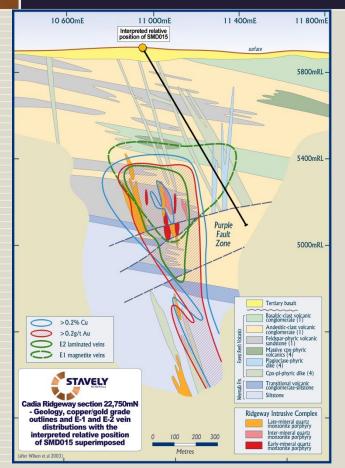
Magnetite veins intercepted in SMD015 are important as a proximal indicator to mineralisation

The veins in this photo are similar to the Cadia Ridgeway E-1B 'M' veins



see ASX announcement 12/01/2018 and available from www.stavely.com.au

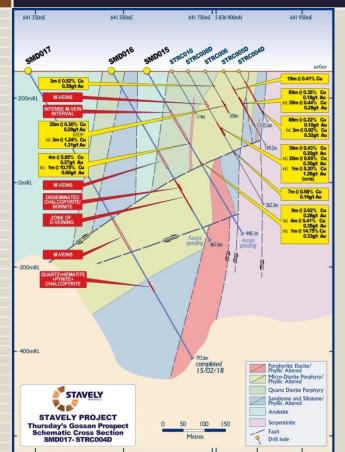




Magnetite veins intercepted in SMD015 are important as a proximal indicator to mineralisation:

- SMD015 interpreted to have intercepted the equivalent of the E-1 early phase of 'M' veins
- High-grade gold-copper mineralisation closely associated with more limited distribution of E-2 laminated 'M' veins



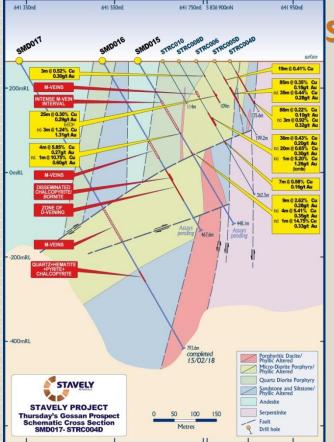


SMD016

- ➤ 45m interval of porphyry 'M' veins from 220m to 265m
 - also with early porphyry 'A' veins
- ➤ Moderate to strong hematite-magnetite+actinolite alteration from 307m to 325m with very fine disseminated bornite and chalcopyrite
- ➤ Low-angle structure at 325m
- Pyrite ± chalcopyrite ± bornite ± hematite 'D' veins from 325m to ~ 400m – first occurrence of 'D' veins below the LAS

see ASX announcement 24/01/2018 and available from www.stavely.com.au





SMD017

- > 80m interval of porphyry 'M' veins from 408m to 488m
 - also with early porphyry 'A' veins
- ➤ The 'M' veins in SMD017 display similarities to the Cadia Ridgeway barren E-1A and E-1B veins but importantly also the E-2 laminated 'M' veins that are associated with the main copper-gold mineralised event
- Now we have 2 targets, the porphyry above the structure and the porphyry below



SMD017 468m

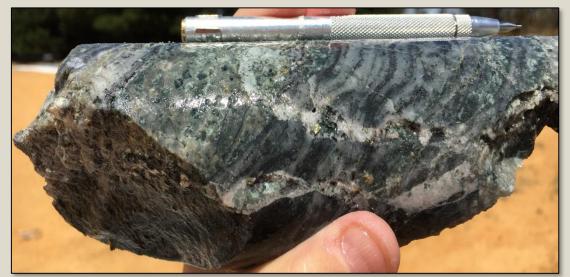
The veins in this photo are similar to Cadia Ridgeway E-1A and E-1B veins and are likely barren but proximal to copper-gold mineralisation





SMD017 470m

The laminated 'M' vein in this photo has inter-grown chalcopyrite with the magnetite and is similar to Cadia Ridgeway E-2 veins associated with the early copper-gold mineralisation event

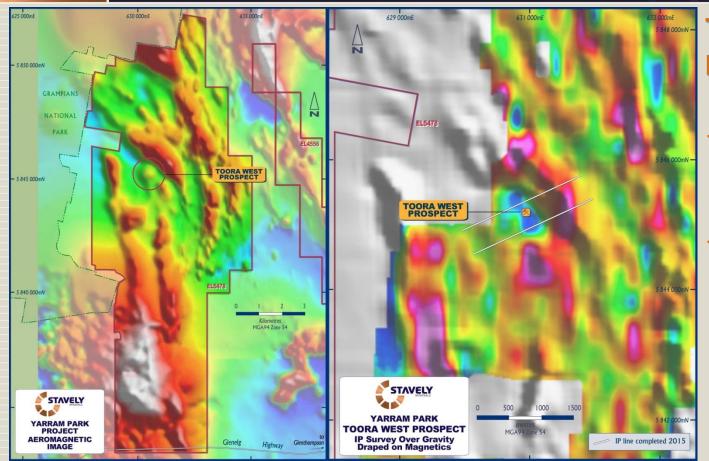




TOORA WEST

YARRAM PARK PROJECT





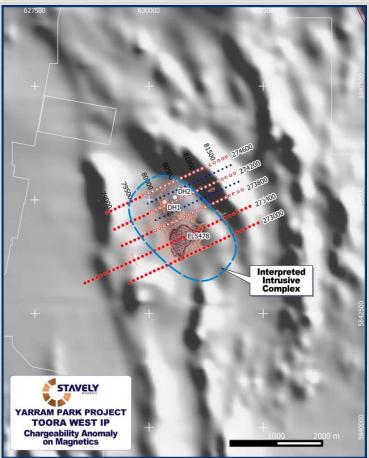
Toora West prospect

- Magnetic / gravity geophysical anomaly
- 'Blind' target beneath younger transported cover

see ASX announcement 12/07/2017 and available from www.stavely.com.au

YARRAM PARK PROJECT





Toora West prospect

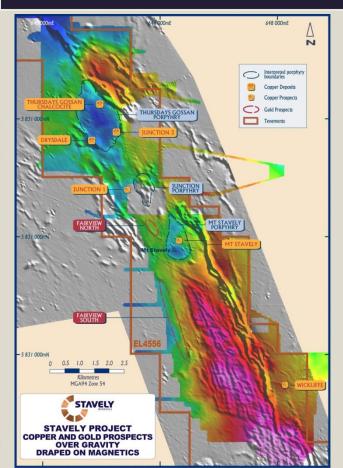
- ✓ Early 2017 drilling by Stavely Minerals has identified early, hot potassic porphyry-style alteration
- ✓ Subsequent extension to IP geophysical survey has identified a very large and very strong chargeability anomaly 500m in diameter at 50mV/V
- ✓ Potentially disseminated sulphides associated with copper-gold mineralisation
- ✓ For drill testing early 2018



MOUNT STAVELY PORPHYRY AND FAIRVIEW GOLD

MOUNT STAVELY



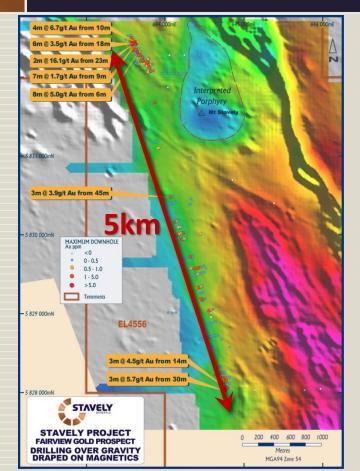


Mount Stavely Porphyry and Fairview Gold

- ✓ Interpreted buried porphyry reflected in pronounced gravity low
- √ 5km of peripheral mesothermal to epithermal gold associated with quartz-sulphide veins (adularia noted)

see ASX announcements on 18/04/2017 and 21/07/2017 and available from www.stavely.com.au

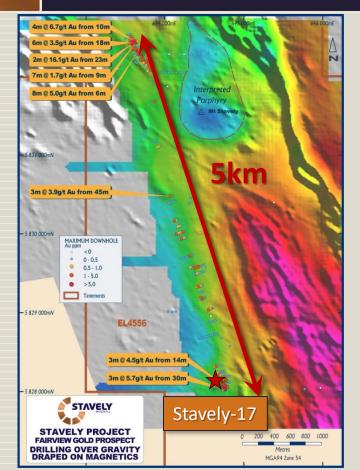




Fairview Gold Prospect

- ✓ 5km strike of quartz-suphide vein related gold mineralisation
- ✓ Previous drilling intercepts including:
 - > 2.5m at 17.4 g/t gold from 28m drill depth
 - > 2m at 16.1 g/t gold from 23m drill depth
 - ➤ 4m at 6.7 g/t gold from 10m drill depth
 - > 8m at 5.0 g/t gold from 6m drill depth





Recent drilling by Stavely Minerals intercepted wide intervals of shallow gold mineralisation including:

- > 30m at 1.4 g/t gold from 47 metres drill depth, including
 - 11 metres at 2.4 g/t gold
- ➤ 17m at 1.23g/t gold from 23m drill depth within a larger low-grade interval of
 - _o 57m at 0.57g/t gold from surface
- ➤ 16m at 1.04g/t gold from 6m drill depth within a larger low-grade interval of
 - _o 68m at 0.42g/t gold from surface







Record 2017/02 | +ON 50533

Regional geology and mineral systems of the Stavely region, western Victoria Data release 5 - Geochemistry data

 $\theta,R,E,Mollpho,D,L,Molav,E,M,Excludes,J, <math display="inline">\theta$ drolled,J,R,E,Exdley,D, TeploqD, Champton,J,J, θ deather R,R,Legs, and R,D are on

Stavely-17 interpretation

- Two-stage pyrite growth in most samples
 - High T first stage (oscillatory Co-Ni zonation; high Se)
 - Lower T second stage; Cu-As-Ag-Sb-Au-Pb±Mo±Tl±Bi
- The high-T stage likely relates to porphyry-style mineralization at depth
- The low-T stage is likely an epithermal overprint
- Similar to Wafi-Golpu, Lihir, etc. (next slide)
- Based on py chemistry, <u>estimated distance to</u> <u>target is 0.5-1 km</u>



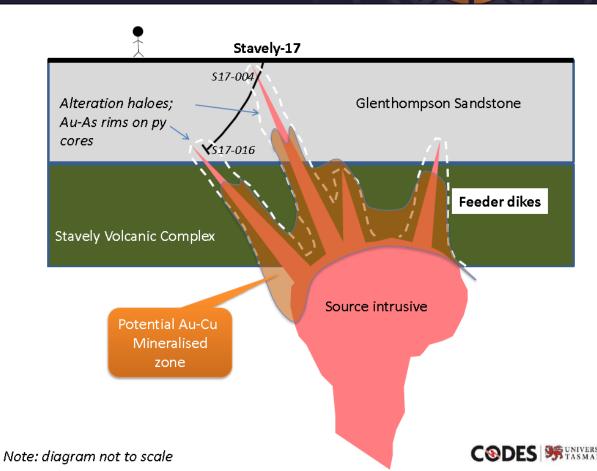




Record 2017/02 | +ON 90572

Regional geology and mineral systems of the Stavely region, western Victoria Data release 5 - Geochemistry data

 $\theta,R,E,Nollpha,D,L,Nollon,E,M,Derbalon,J, <math display="inline">\theta$ divoled,J,M,E,Delley,D, Teploy,D, Champton,J,J, θ feeding, R, Durge, and R, Durson





TAKE AWAY MESSAGES

TAKE AWAY MESSAGES



- Stavely Minerals has conclusively demonstrated that copper *plus* gold alkalic porphyry-style mineralisation is present at Thursday's Gossan
- Results to date are great *but* we are not yet in the sweet spot and grades should be very attractive when we do get there
- 'M' veins indicate we are very close
- ✓ Given it is now demonstrated that the Stavely Volcanic Belt is an alkalic copper-gold porphyry belt, other porphyry targets in the belt with very little prior exploration have now become much more significant discovery opportunities eg. Toora West, Mount Stavely (not a single drill hole), Drysdale and Junction

STAVELY MINERALS



Thank You

Contact Us:

Stavely Minerals Limited

Level 1, 168 Stirling Highway

Nedlands WA 6009

www.stavely.com.au

info@stavely.com.au

Ph: 08 9287 7630

The information in this presentation is extracted from information available to view on www.stavely.com.au. 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 or Ore Reserves, 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.