BOWDENS SILVER

COMMUNITY NEWSLETTER
January 2019

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Sliver of Silver

Silver was one of the first five elements discovered, along with gold, copper, lead and iron and has been mined for over 6000 years.

As we move into a new year and say goodbye to 2018, I'd like to take this opportunity to thank all our local suppliers, stakeholders, contractors and staff and to reflect on the year that's been.

2018 was both a challenging and rewarding year. Along with all our neighbours and indeed, most of the State, the Bowdens Farm had to meet the challenges of drought. The recent rainfall has been welcome with the district greening up a little, but as always, we're hopeful for more.

On the silver project front, we have conducted several drilling programs further defining the Bowdens Silver deposit, we have completed our maiden Ore Reserve and importantly we have reached a major milestone with the completion of the Feasibility Study - a crucial step in progressing the project to the mining approval stage.

In November, we completed the Bowdens Silver Project Description. This comprehensive document is a summary and compilation of the finer details of the Project and is used by our expert consultants to finalise their modelling for the future mining operations and to address all potential environmental impacts and required mitigation measures. Importantly, it will also form part of the Environmental Impact Statement which will accompany the wider development application lodged with the Department of Planning and Environment.

As details on the Project's specifics are finalised we will be sharing these with all stakeholders including the community. This will be a further opportunity to view and understand the Project and have input into the process.

On the following pages we have included a summary of the key facts and statistics and an indicative mine site layout relating to the Bowdens Silver Project. These are the results of our extensive studies which informed the Feasibility Study, our defined Ore Reserve and of course the multitude of mining and logistical elements of a mining project.

In 2019 the Bowdens team will be working hard to finalise the Environmental Impact Statement in order to lodge our development application and publicly exhibit this for comment.

Regards,

Anthony McClure
Director

DO YOU HAVE A QUESTION?

PLEASE CONTACT US

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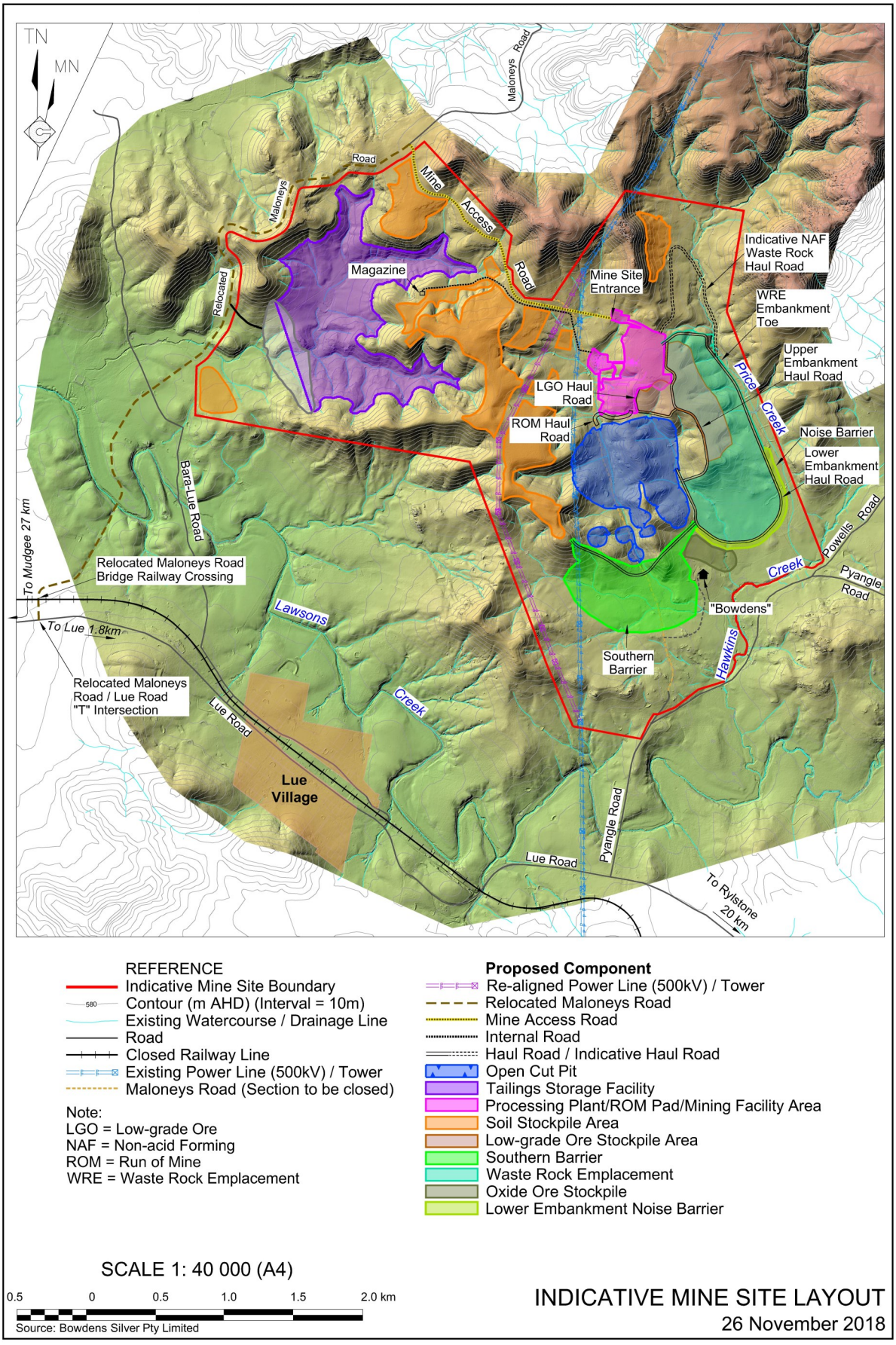
BOWDENS SILVER PROJECT
SUMMARY OF KEY FACTS & STATISTICS

Location	The mine site is located approximately 26km southeast of Mudgee and approximately 2.5km northeast of Lue village.
Project Life	Site establishment and construction - 18 months. Mining operations - 16 years. (Note: Year 1 of mining operations would coincide with months 7 to 18 of the site establishment and construction stage.)
Employment	Site establishment and construction stage - approximately 160 - 180 personnel. Mining operations - approximately 210 - 250 personnel.
Maximum Annual Ore Extraction	Approximately 2.07 million tonnes.
Metal Production	Produced as concentrates: ⇒ Silver / Lead concentrate ⇒ Zinc concentrate Annual concentrate production of between 20,000 tonnes and 30,000 tonnes. Expected total production of 66.3 million ounces of silver, 130,000 tonnes of zinc and 95,000 tonnes of lead.
Mine Site Access	Existing Maloneys Road during Months 0 to 6 of the site establishment and construction stage. Relocated Maloneys Road (comprising a new intersection with Lue Road, a new crossing across Lawsons Creek and 5.2km of new road) beyond Month 7 of the site establishment and construction stage. Mine access road (former section of Maloneys Road north of the open cut pit closed from Month 7.)
Hours of Operation	

Activity	Days	Hours
Clearing / topsoil and subsoil removal	Monday - Saturday[1]	7am - 6pm[2]
Blasting	Monday - Friday[1]	9am - 3pm
Mining	7 days	7am - 6pm 7am - 10pm[3] 24 hours[3]
Processing	7 days	24 hours
Concentrate Despatch	Monday - Saturday[1]	7am - 6pm
Maintenance	7 days	24 hours
Rehabilitation	Monday - Saturday[1]	7am - 6pm[2]

Notes: 1 - Public Holidays excluded, 2 - Daylight hours only, 3 - Subject to demonstrating noise limits can be satisfied during this period.

Tailings Storage Facility	Tailings storage facility capacity approximately 30 million tonnes. Constructed in three stages: ⇒ Stage 1 - Year 0-3 (6 million tonnes); ⇒ Stage 2 - Year 4-8 (16 million tonnes cumulative); and ⇒ Stage 3 - Year 9-16 (30 million tonnes cumulative).


TN
MN
Maloneys Road
Road
Mine Access Road
Maloneys
Magazine
Relocated
Mine Site Entrance
Indicative NAF Waste Rock Haul Road
WRE Embankment Toe
Upper Embankment Haul Road
Price Creek
LGO Haul Road
ROM Haul Road
Noise Barrier
Lower Embankment Haul Road
Powells Road
Bara-Lue Road
To Mudgee 27 km
Relocated Maloneys Road Bridge Railway Crossing
Creek
Pyangle Road
"Bowdens"
Lawsons
To Lue 1.8km
Southern Barrier
Hawkins
Relocated Maloneys Road / Lue Road "T" Intersection
Lue Road
Creek
Lue Village
Pyangle Road
Lue Road
To Rylstone 20 km
REFERENCE
Indicative Mine Site Boundary
580 Contour (m AHD) (Interval = 10m)
Existing Watercourse / Drainage Line
Road
Closed Railway Line
Existing Power Line (500kV) / Tower
Maloneys Road (Section to be closed)
Note:
LGO = Low-grade Ore
NAF = Non-acid Forming
ROM = Run of Mine
WRE = Waste Rock Emplacement
Proposed Component
Re-aligned Power Line (500kV) / Tower
Relocated Maloneys Road
Mine Access Road
Internal Road
Haul Road / Indicative Haul Road
Open Cut Pit
Tailings Storage Facility
Processing Plant/ROM Pad/Mining Facility Area
Soil Stockpile Area
Low-grade Ore Stockpile Area
Southern Barrier
Waste Rock Emplacement
Oxide Ore Stockpile
Lower Embankment Noise Barrier
SCALE 1: 40 000 (A4)
0.5 0 0.5 1.0 1.5 2.0 km
Source: Bowdens Silver Pty Limited
INDICATIVE MINE SITE LAYOUT
26 November 2018

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We are here

- Environmental and Social Impact Assessment studies commence.
- Maiden Ore Reserve.
- Feasibility Study.
- Continued consultation with all key stakeholders.
- Field studies continue.
- Community Open Day to provide outcomes of key studies and to incorporate stakeholder feedback.
- Refine mine plans and complete assessment studies.
- Finalise EIS for submission and public exhibition.

Community Involvement

Where to from here?

As the range of specialist environmental studies are completed we will be sharing the outcomes of these with the community.

During this upcoming feedback stage there will be the opportunity for further discussion on key issues that have been identified to date via meetings with landholders and a community information session. This will be an opportunity to further discuss the strategies that will be used to manage any predicted adverse impacts associated with the Project and to enhance the positive impacts.

Why do we mine silver? What is it used for?

Silver is generally considered the second most important precious metal after gold. However, in certain aspects silver has no equal. When it comes to conducting heat and electricity, silver has no peers. It is also the best and most efficient reflector of light. These and other characteristics, such as its antimicrobial properties, make silver the primary choice for a growing and wide range of technologies.

Renewable Energy

Silver is a major component used in the manufacture of solar panels. Silver paste is printed onto photovoltaic cells to capture and carry electrical current.
Photovoltaic cells are one of the fastest growing uses of silver worldwide.
Silver's reflectivity is also utilised in these cells - it reflects solar energy into collectors that use salts to create electricity.

Medical

Silver has amazing antibiotic properties and kills bacteria by interfering with their respiration. It is regularly used in surgical equipment, wound dressings, ointments and even to coat hospital surfaces to prevent the spread of pathogens and infection. Silver is now also being used in clothing to stop odours and germs.

Technology & Electronics

The number one use of silver in industry is in electronics. The thermal and conductivity properties of silver means it can't be easily replaced by less expensive metals. Silver is instrumental in supercapacitors that store kinetic energy in electric cars. Other uses include mobile phones, TV's, batteries and motors.