GALENA
MINING LIMITED

INVESTOR PRESENTATION

May 2019

DISCLAIMER

Cautionary statement – Reference to PFS

This report refers to the Abra Base Metals Project ("Abra" or the "Project") Pre-Feasibility Study ("PFS"). A summary of the PFS and material assumptions was published by Galena Mining Ltd ("Galena") on 25 September 2018 (see ASX announcements platform).

Environmental approvals, mining tenements and approvals, other governmental factors and infrastructure requirements for selected mining methods and for transportation to market were not included as modifying factors for the Ore Reserve estimate contained in this report as they were all analysed in detail for the PFS and determined not to pose any practical or economic restriction to the selected mining and processing model. Furthermore, all other material assumptions (eg, with respect to financial assumptions, metallurgy, mineralogy and geotechnical etc.) that were made in the previously announced PFS have not materially changed, continue to apply and continue to underpin the new December 2018 Ore Reserve estimate and the revised mine model. For further information, please see Galena's ASX announcements of 25 September 2018 (PFS) and 18 December 2018 (revised mine model, December 2018 Mineral Resource estimate and December 2018 Ore Reserve estimate).

Cautionary statement – Mine model

63% of the larger revised total mine model material is contained within Probable Ore Reserves. However, the remainder is currently included in Inferred Resources, with no reduction factor applied to the tonnes and grades of the Inferred Resources. Inferred Resources have a lower level of geological confidence and can't be included in the calculation of Ore Reserves. Further infill drilling will be required to convert Inferred material into Indicated. There is no guarantee that such drilling would succeed in converting adequate quantities of Inferred material into Indicated or return the same grade and tonnage distribution. This may affect mining studies and economic outcomes for Abra.

Competent Person's statement

The information in this report related to the Abra Ore Reserve estimate is based on work completed by Mr Roger Bryant, BEng (Mining, Member AUSIMM). Mr Bryant is an employee of Galena Mining Ltd. Mr Bryant has sufficient experience 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, Exploration Targets, Mineral Resources and Ore Reserves. Mr Bryant consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report related to the December 2018 Resource estimate is based on work completed by Mr Don Maclean MSc (Geol), MAIG and RP Geo (Exploration and Mining), MSEG, a consultant to Galena Mining and Mr Mark Drabble B.App.Sci. (Geology), MAIG, MAusIMM, Principal Consultant at Optiro Pty Ltd. Mr Maclean was responsible for data review, QAQC, and development of the geological model. Mr Drabble was responsible for resource estimation, classification and reporting. Mr Maclean and Mr Drabble have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves. Mr Maclean and Mr Drabble consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report to which this statement is attached that relates to exploration results and drilling data is based upon information compiled by Mr Don Maclean MSc (Geol), MAIG and RP Geo (Exploration and Mining), MSEG, a consultant to Galena Mining. Mr Maclean has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves. Mr Maclean consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

DISCLAIMER

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INVESTMENT PROPOSITION

High-grade Abra Base Metals Project in tier one jurisdiction	"In demand" product	Strong project metrics with outstanding economics[2]	On-track for construction commencement in 2019
37.4Mt Resource[1] 7.5% lead and 18g/t silver	**Highest grade lead concentrate available globally**	**14-year mine life** 1.2mtpa throughput for total of 15.3Mt	**Final permits on-track for Q2 CY2019**
10.3Mt Reserve[1] 8.8% lead and 24g/t silver	**9 indications of interest for offtake**	**A$97M annual operating cash flows**	**DFS due mid-2019**
Granted Mining Lease Gascoyne region, Western Australia	**Lead market in deficit with inventory close to record lows**	**A$528M NPV** Pre-tax at 8%	**Toho Zinc investment of A$90M for 40% joint-venture interest in Abra**
Port / infrastructure capacity confirmed		**50% IRR** Pre-tax	

Notes: 1. See Galena ASX announcement of 18 December 2018. 2. Based on the September 2018 PFS (see Galena ASX announcement of 25 September 2018).

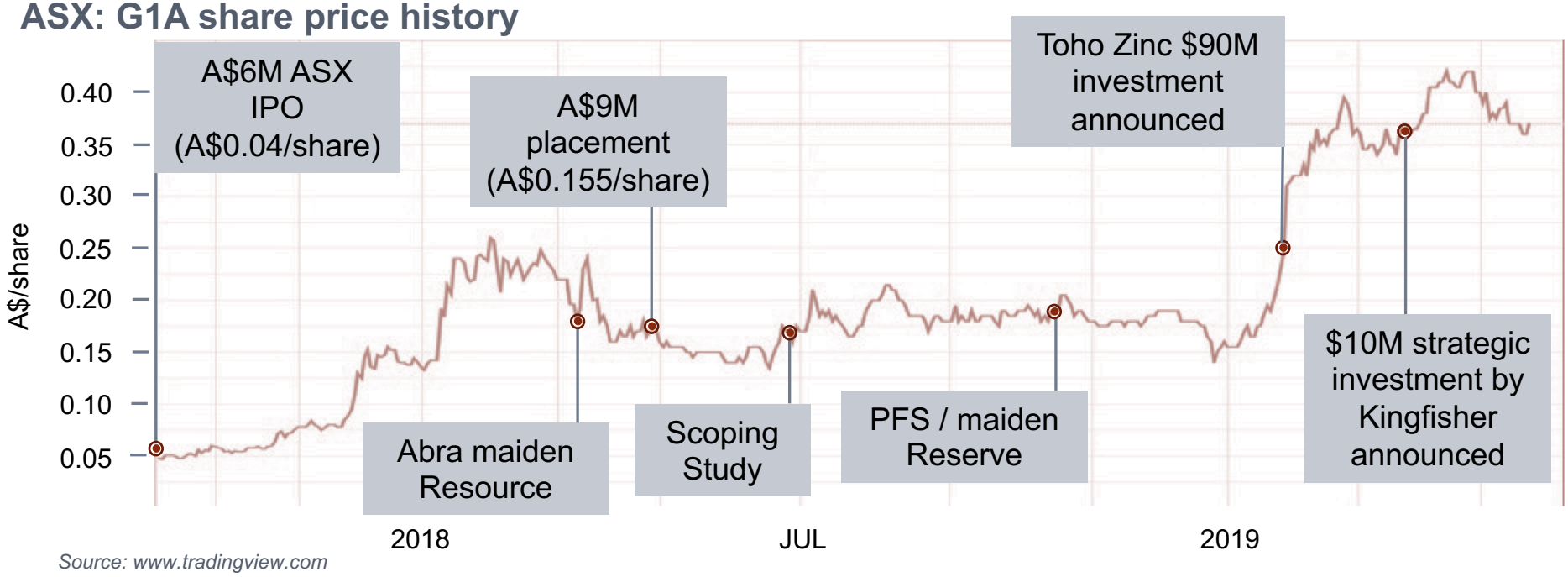
CAPITALISATION AND HISTORY

Capitalisation summary

Shares on issue (ASX: G1A)	364.5M
Options and contingent securities on issue[1,2,3,4]	55.0M
Share price (22 May 2019)	A$0.37/share
Market Capitalisation	~A$134.9M
Cash balance (31 Mar 2019)[5]	~A$6.7M
Debt	Nil

Notes: 1. Options issued to employees and management of: 11.75m having an exercise price of $0.06 and expiry date of 30 June 2020; 18m having an exercise price of $0.08 and expiry date of 30 June 2021; and 5m having exercise price of $0.30 and expiry date of 6 February 2021. 2. Options to Kingfisher Capital of: 1.25m having an exercise price of $0.50 and expiry date of 26 March 2023; 1.25m having an exercise price of $0.60 and expiry date of 26 March 2023; 1.25m having an exercise price of $0.50 and expiry date of 17 April 2023; and 1.25m having an exercise price of $0.60 and expiry date of 17 April 2023. 3. 14.0m contingent performance rights for CEO/MD. 4. 1.26m employee Share Appreciation Rights. 5. Does not include: (a) $5M second tranche investment by Kingfisher; and (b) $20M initial tranche received under the Toho investment subsequent to the end of the quarter.

ASX: G1A share price history



Source: www.tradingview.com

BOARD AND MANAGEMENT

Adrian Byass
Non-Executive Chairman

Geologist and Economist

Mine development and board experience

Tony James
Non-Executive Director

Senior Mining Engineer

Midcap ASX mining company CEO and underground mine development experience

Jonathan Downes
Non-Executive Director

Geologist

Geology, mine development, capital markets and board experience

Tim Morrisson
Non-Executive Director

Finance

Extensive ASX capital raising and corporate finance experience

Alexander Molyneux
Managing Director / CEO

Mining Executive and Financer

Midcap ASX mining CEO, mine development and corporate finance experience

Troy Flannery
CEO, Abra Mining JV

Mining Engineer

Extensive underground mining and underground mine development experience

Edward Turner
GM Geol. and Exploration

Senior Geologist

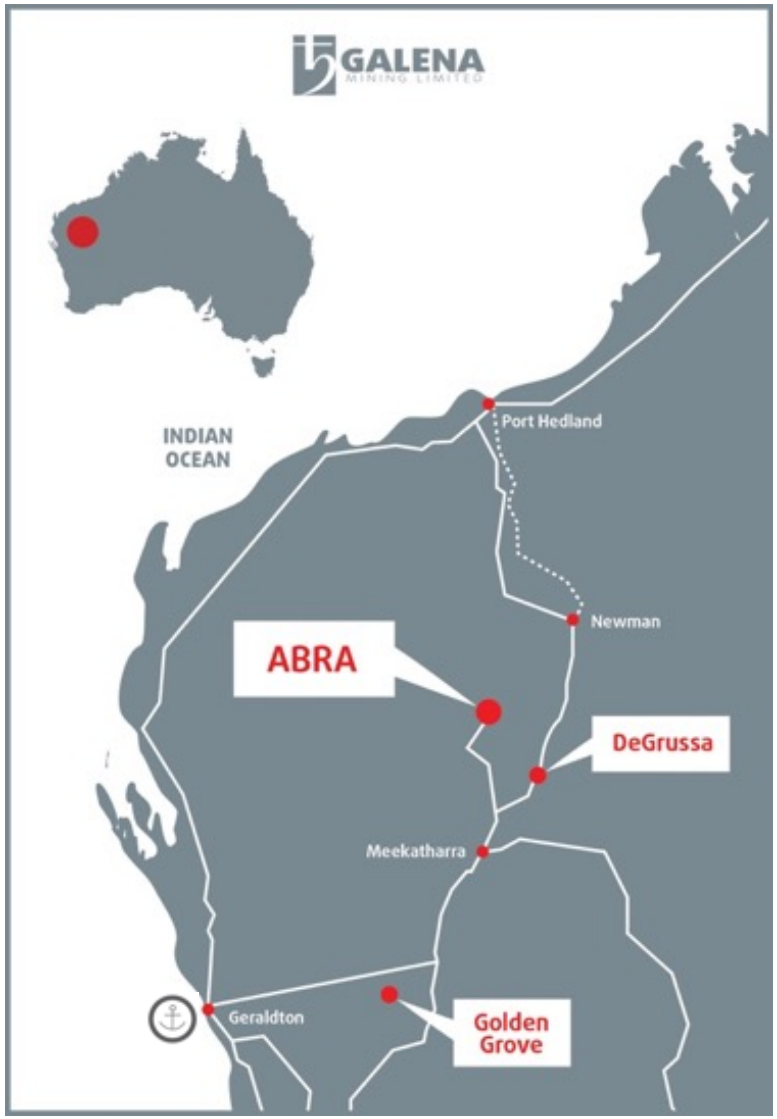
Base metals exploration experience and former Geology Manager Abra Mining

Stephen Brockhurst
Company Secretary

ASX Company Advisor

ASX company compliance, finance and company secretarial experience

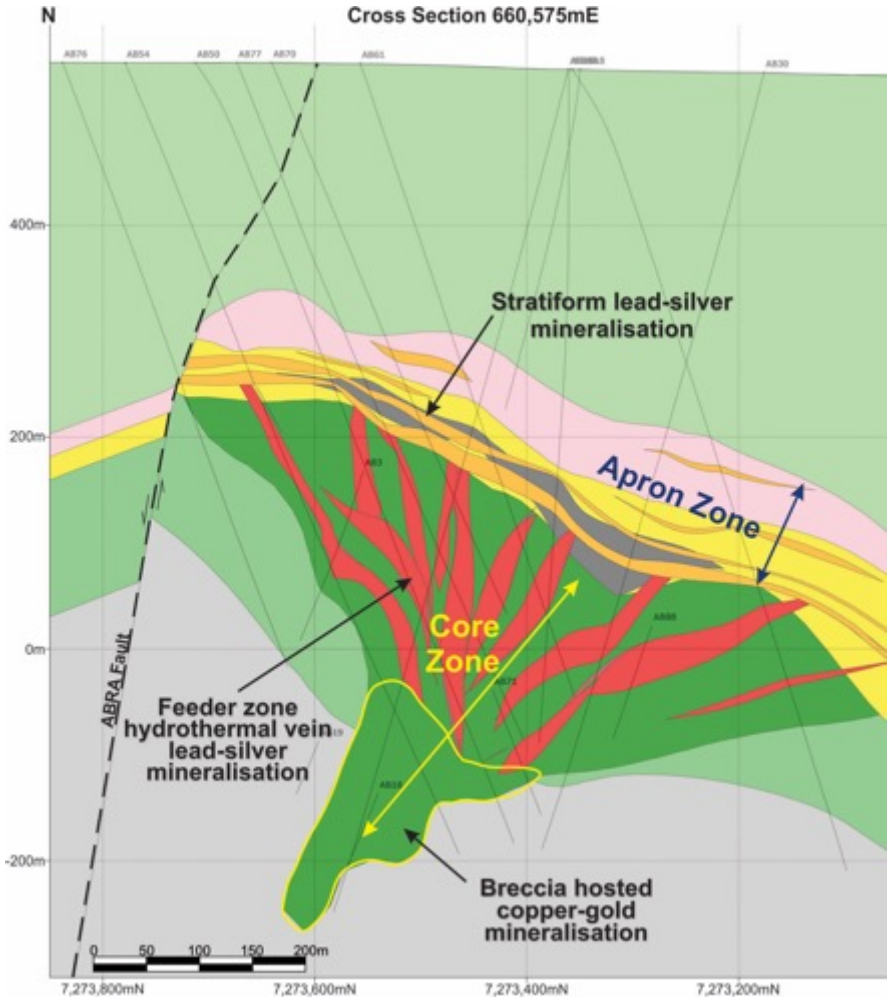
ABRA LOCATION AND INFRASTRUCTURE



- Located in the Gascoyne region of Western Australia – Approximately 110km from Sandfire Resources' DeGrussa Copper Mine
- Well serviced by existing Shire maintained roads
- Lead concentrate product to be trucked via public roads to the Port of Geraldton
- Port of Geraldton has all permits and infrastructure required to handle lead sulphide concentrates and is a current handler of third-party (Golden Grove) similar product
- Ample storage / ship loading capacity available

Port of Geraldton – Primary export port for Abra

ABRA MINERALISATION MODEL



- Sediments hosting Abra were deposited in a basin setting and have been deformed with large scale folding and faulting in and around the deposit
- Hydrothermal fluids carrying lead, silver, zinc, copper and gold have risen through breccia and fault zones
- Mineralised fluids have risen to a sedimentary boundary and have ‘mushroomed’ sideways settling in preferential (dolomitic) units
- The Overlying, stratiform hosted mineralisation is called the “Apron Zone” and is largely galena-rich (ie, lead and silver). This is fed by mineralised breccia and vein zones which are called the “Core Zone”. Core Zone grades from lead-silver dominant in the upper levels to increasingly copper-gold at depth
- The Abra deposit remains open at depth

MASSIVE GALENA MINERALISATION

Massive mineralisation in Core Zone

Strata from Apron Zone

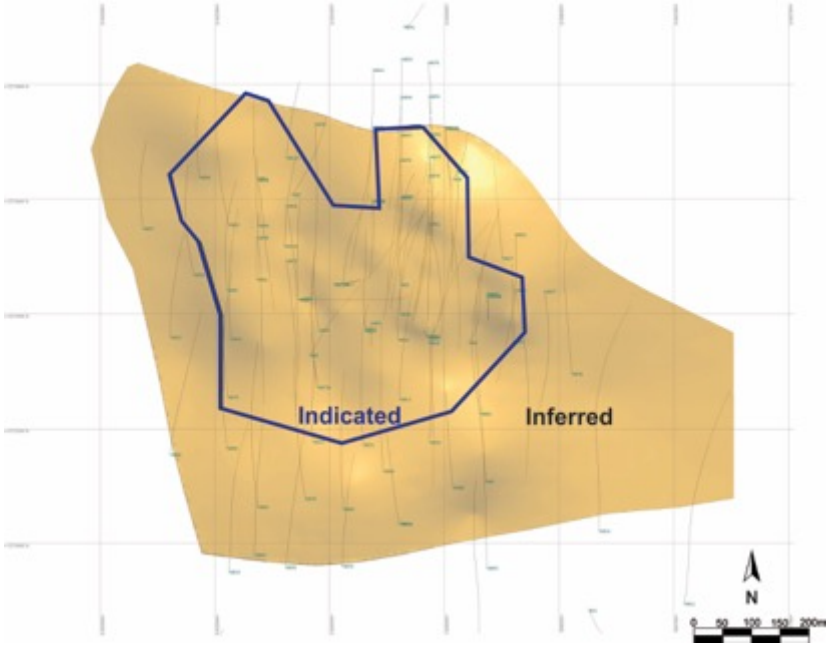
ABRA MINERAL RESOURCE

JORC Mineral Resource estimate (December 2018 Resource) at a 5% lead cut-off grade[1]			
Resource classification	Tonnes (Mt)	Lead grade (%)	Silver grade (g/t)
Measured	-	-	-
Indicated	15.0	8.7	22
Inferred	22.4	6.7	15
Total	37.4	7.5	18

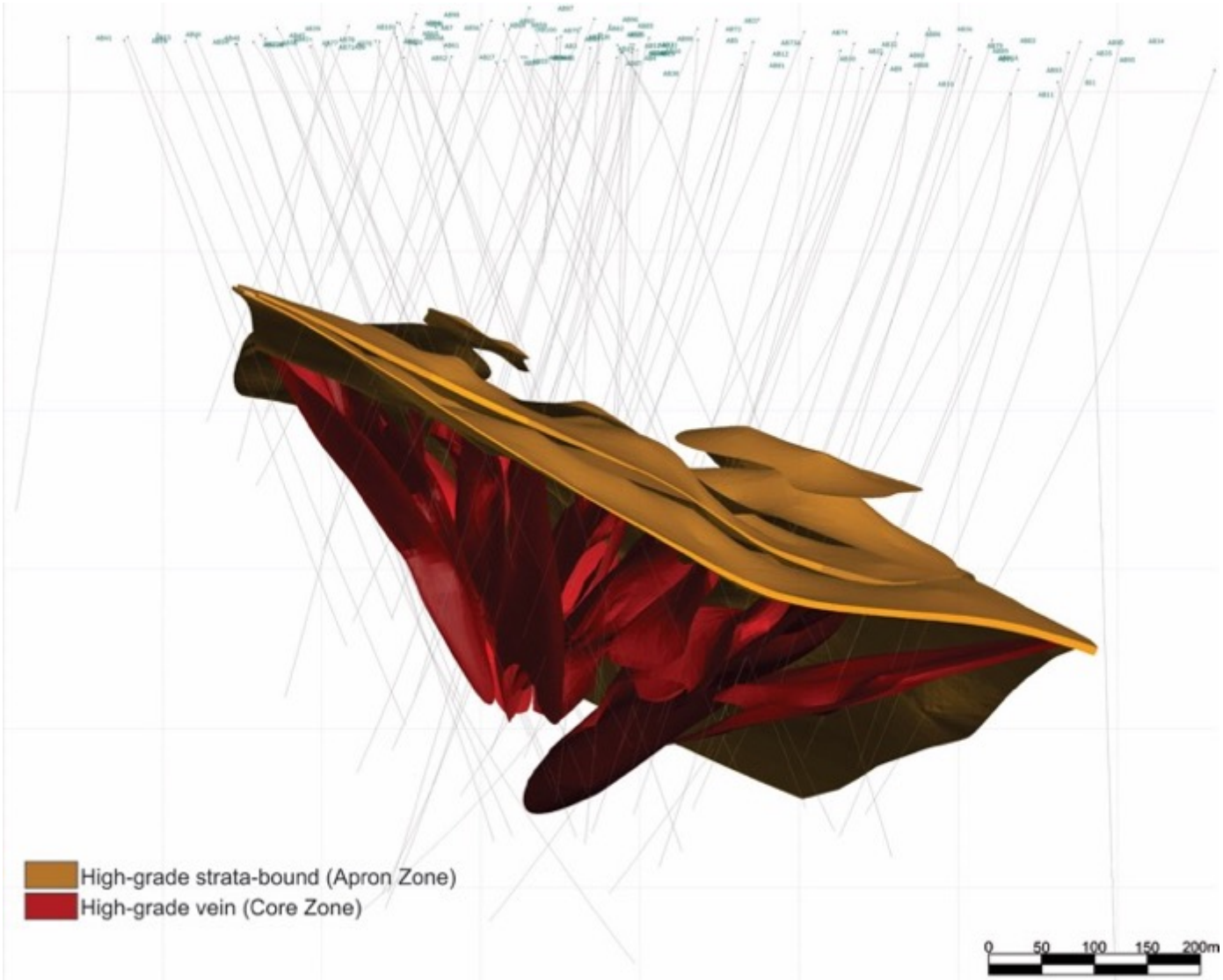
Notes: 1. For more detail please see Galena ASX announcement of 18 December 2018.

- Resource based on 102 drill-holes (incl. 83 diamond-core)
- ~60km of cumulative linear drilling (incl. 54.9km of diamond-core)
- >1/3 of the database made of of new drill-holes from 2017-2018 (35 new diamond-core holes drilled for 20.7km)
- Additional drilling program underway:
  - 2 Diamond-core drill rigs drilling ~16,000m April-August 2019
  - Production in-fill drilling with some additional resource development

Plan view of Abra December 2018 Resource



ABRA MINERAL RESOURCE 3D IMAGE



Resource at 5% lead cut-off – Apron Zone and Core Zone shapes

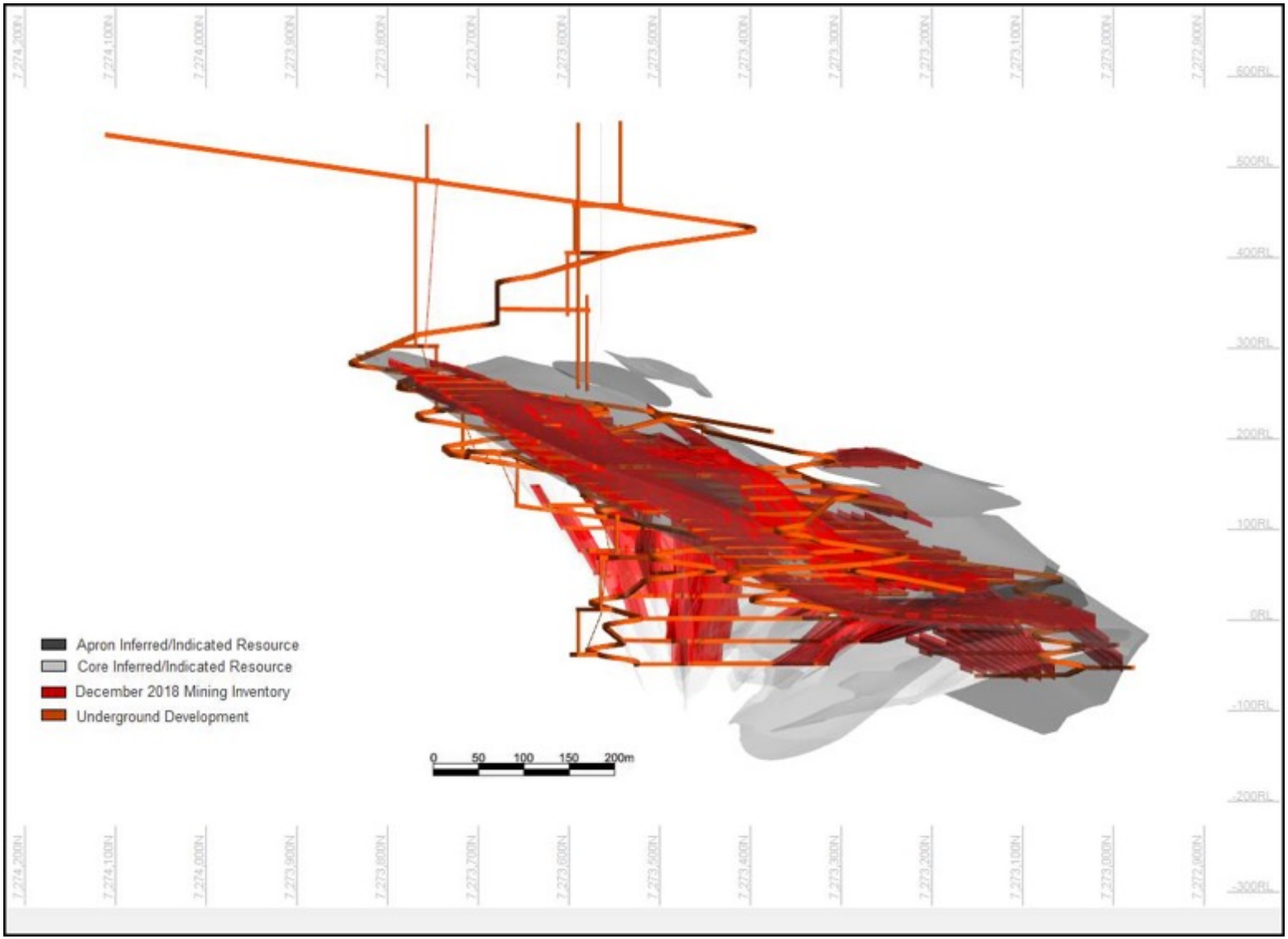
ABRA MINE MODEL AND ORE RESERVE

- Underground mining primarily using long-hole open stoping but with some room and pillar in certain areas
- Recently updated Reserve (below) based on December 2018 Resource – 9% increase in lead grade vs. PFS Reserve – overall 7% increase in contained lead and 18% increase in contained silver
- Good geotechnical conditions allowing for relatively large stopes - 85% recovery assumption with 6% dilution
- New mine model also prepared on December 2018 Resource
  - 1-year extra life of mine vs. PFS' 14-years
  - ~6% higher lead grade over life of mine average
  - ~20% reduction in lateral development metres

JORC Ore Reserve statement[1]			
Reserve classification	Tonnes (Mt)	Lead grade (%)	Silver grade (g/t)
Proved	-	-	-
Probable	10.3	8.8	24
Total	10.3	8.8	24

Notes: 1. For more detail please see Galena ASX announcement of 18 December 2018.

ABRA MINE MODEL 3D IMAGE



METALLURGY AND ”IN DEMAND” PRODUCT

- 1.2mtpa plant throughput
- Conventional crushing, grinding, flotation and filtration
- Metallurgical testing confirms high (96%) recoveries for both lead and silver into high-value, high-grade concentrate
- Concentrate product expected to be the highest grade primary lead concentrate available globally – 75% lead and 180-220g/t silver
- Abra’s product is in high demand, particularly in the context of the global lead market in current deficit and limited new supply growth
- 40% of offtake committed to Toho under Abra joint-venture investment Agreement
- Nine indications of interest for remaining offtake received from potential customers in Europe, East Asia and China

Rendering of proposed plant

Rendering of proposed flotation circuit

PFS METRICS AND OUTSTANDING ECONOMICS

PFS RESULTS	NPV_8 A$528M	IRR 50%	Capex A$154M

PFS outcomes – Production metrics	
Mill throughput	1.2Mtpa
Initial mine life	14-years
Average LOM lead metal production	91ktpa
Average LOM silver metal production	760kozpa
Lead C1 direct cash cost	A$0.66/lb / US$0.48/lb

PFS outcomes – Capital investment and project economics	
Pre-production capital	A$154m
Steady-state average cash flows (yrs 3-13)	A$97m
Project payback from commercial production	2-years
Pre-tax NPV (8% discount rate)	A$528M
Pre-tax IRR	50%

- PFS assumptions include: lead price US$0.95/lb; silver price US$14.50/oz and A$1=US$0.73
- Abra product will be high-value, high-grade concentrate containing 75% lead and 180-220g/t silver – The highest grade primary lead concentrate available globally
- No material impediments in the areas of permitting, concentrate marketing, infrastructure, logistics and native title

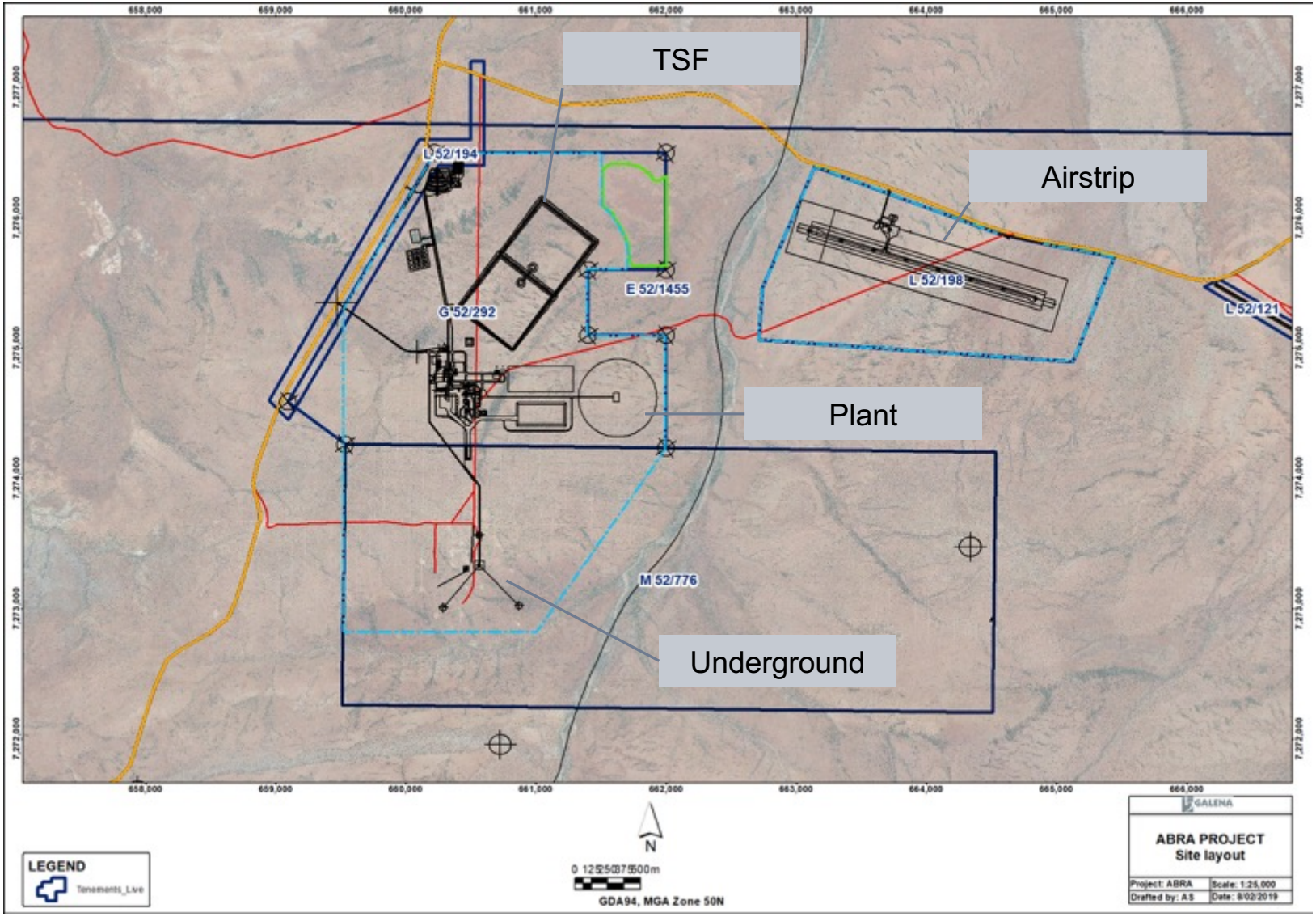
PFS PRE-DEVELOPMENT CAPITAL EXPENDITURE

Abra pre-production capital expenditure	
	A$M
Mine development (incl. box cut and access)	31.2
Processing plant (concentrator)	51.4
Surface infrastructure	28.8
Offsite road upgrades and miscellaneous	1.5
Tailings storage facilities	5.0
EPCM	13.8
Contingency	10.1
Owner's and indirect costs	12.3
Total	154.0

Abra LOM operating cost estimates	
	US$ ¢/lb
Mining	23.4
Processing[1]	14.7
TCRCs and outbound logistics	15.4
By-product credit for net silver revenue	(5.6)
Lead C1 direct cash cost of production[2]	48.0
Royalties[3]	7.2

Notes: 1. Includes an allocation for site general and administration costs of A$8/t of throughput, 2. Equates to A$0.657/lb based on an exchange rate of A$1=US$0.73, 3. For lead, 5.0% Western Australian State royalty plus 3.27% in vendor and other royalties, and for silver, 2.5% Western Australian State royalty plus 3.27% in vendor and other royalties.

PROPOSED ABRA SITE LAYOUT



A$90M TOHO JOINT-VENTURE INVESTMENT

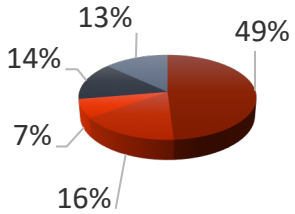
- Definitive agreements entered into with Toho Zinc (TYO: 5707) of Japan (12 April 2019) for investment of A$90M in tranches into Abra holding company, Abra Mining Pty Ltd (AMPL)
- First A$20M tranche already received, with A$10M to be paid on Galena's publication of the Abra DFS and A$60M on confirmation of project financing debt
- Toho now owns 8.89% of AMPL (Galena retains 91.11%) but eventual ownership will be 40% (Toho) and 60% (Galena) once all of Toho's remaining investment tranches are paid
- Toho Zinc is a large-scale lead and zinc smelting company and experienced miner – In 2010 Toho acquired publicly-listed Australian lead and zinc mining company, CBH Resources Limited and continues to operate its Rasp and Endeavor mines in New South Wales
- Toho is assisting AMPL potentially procure a contribution to project financing debt from policy-related institutions in Japan for Japan-related projects
- Toho have rights to offtake 40% of Abra's product on 'arms length' benchmark terms
- Galena to retain 60% of AMPL and appoint majority of board members to joint-venture board

ABRAMINING

LEAD MARKET DYNAMICS

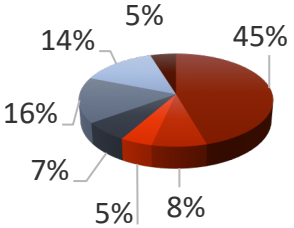
- Lead is a larger overall market than nickel
- 50-60% of lead comes from recycling so the dynamic of the need for primary mine supply growth is equally as important as end-use demand growth for the metal itself

Refined lead consumption by sector



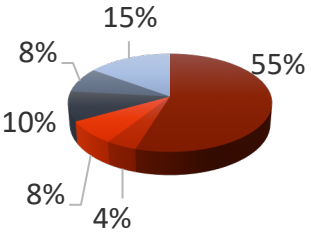
- >86% of refined lead is used in batteries
  - 64% in the automotive sector as replacement batteries or original batteries for new vehicles
  - Growing use in industry for energy storage systems (ESS)

Refined lead consumption by region/country



- China accounted for 45% of the 12.8Mt global consumption in 2018
- India and South South Korea are also key demand centres

Mined lead production by region/country



- China is the biggest miner of lead also, mining over 54% of global (5.2Mt) mined lead production
- Mined lead supply is primarily by-product of zinc and so is driven by cyclicality in global zinc production

Primary/secondary refined lead production

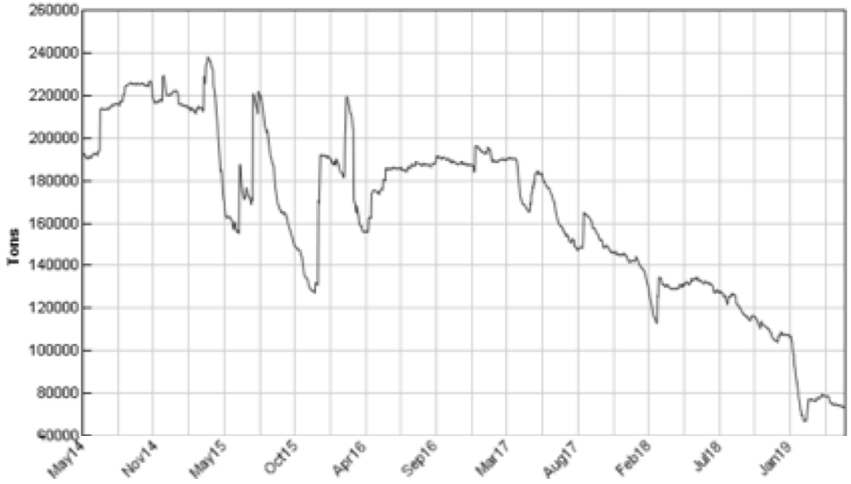
- Primary refined lead is sourced from mines as a concentrate, which then goes through smelting and refining
- Secondary refined lead is produced by the recycling and processing of lead scrap

Source: Wood Mackenzie, © 2019 Galena Mining Limited

LEAD MARKET DYNAMICS

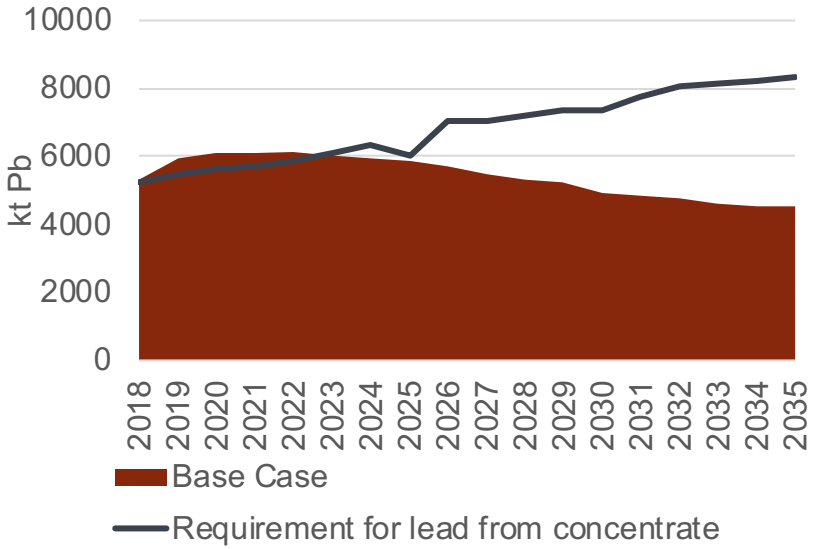
- Short-term conditions are becoming ‘extreme’ in terms of recent draw-down of physical refined lead stocks – now close to record lows
- Longer-term Wood Mackenzie expects refined lead metal demand to grow 2.4% per year through 2035 but secondary refining capacity issues mean more of the lead supply will need to be met by primary mined supply and thus demand for mined lead is expected to grow 2.9% per year
- Wood Mackenzie base case shows ‘deficit’ for mined lead re-opening from 2023 without additional new mine supply

LME lead inventory (last 5-years)



Source: www.kitco.com

Base case mined lead production vs. demand



Source: Wood Mackenzie, © 2019 Galena Mining Limited

LEAD'S PLACE IN A CHANGING WORLD

Key technological changes affecting lead demand

- Solar capacity
- Rollout of 5G networks
- Wind capacity
- Idle-stop technology
- Automotive market
- E-bikes / last mile electrification

- Wood Mackenzie's forecasts for global lead demand account for a transition to an electric vehicle future – EVs need a separate energy storage system to the lithium-ion propulsion batteries to run the Li-ion battery management computers and safety systems (electric braking, hazard lights etc.) – whilst lead is heavier (and therefore not logical for the propulsion battery), its around on tenth the cost per unit of storage so remains the core technology for this application in EVs – every Tesla has a lead-acid battery!
- Other transitional emissions reduction automotive technologies require larger than standard lead-acid batteries, ie, typical hybrid cars or internal combustion engine cars with 'idle-stop' technology
- Lead-acid has a role in electrification of bikes and 'last mile' transportation – approximately 15M electric bikes are sold in China each year
- The value proposition for lead means it continues to have strong take up in various energy storage solutions such as to provide energy storage for mobile phone tower installations, and small-scale roof-top solar and wind installations – ESS is the fastest growing sub-segment of the lead market

UPCOMING MILESTONES

- **Final key permits** – Abra is already on a granted mining lease and no requirement for EPA but Galena aims to receive final remaining key permits mid-2019
- **Non-Toho offtake** – Continued engagement with a select sub-set of the nine parties that already submitted expressions of interest for Abra's high-value, high-grade lead-silver concentrate with a view to concluding formal offtake arrangements for the non-Toho 60% of Abra production
- **Completion of Abra DFS (mid-2019)**
- **Continuation of active physical pre-development works –** Continuation of initial development drilling program (including water bores and infill drilling of early production horizons), mining level geotechnical works
- **Commencement of initial construction / development works** – Commencement of camp fabrication, site infrastructure development / clearing, bulk earthworks, boxcut and procurement of selected plant / long lead time items
- **Advancing discussions with project financing debt providers for final debt package**
- **Mobilisation of underground mining contractor**
- **Full construction decision and execution of plant EPC contract**

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