



**Kingsgate Consolidated Limited**

# Advancing the Bowdens Silver Project

**NSW Mineral Exploration and Investment Conference  
July 2013**



# Disclaimer

## Forward Looking Statements:

*These materials include forward looking statements. Forward looking statements inherently involve subjective judgment & analysis & are subject to significant uncertainties, risks & contingencies, many of which are outside of the control of, & may be unknown to, the company.*

*Actual results and developments may vary materially from that expressed in these materials. The types of uncertainties which are relevant to the company may include, but are not limited to, commodity prices, political uncertainty, changes to the regulatory framework which applies to the business of the company & general economic conditions. Given these uncertainties, readers are cautioned not to place undue reliance on such forward looking statements.*

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*Some statements in this presentation regarding estimates or future events are forward looking statements. They involve risk and uncertainties that could cause actual results to differ from estimated results. Forward looking statements include estimates of future production, cash and total costs per ounce of production, reserve and mineralized material estimates, capital costs, and other estimates or prediction of future activities. They include statements preceded by words such as “believe,” “estimate,” “expect,” “intend,” “will,” and similar expressions. Actual results could differ materially depending on such things as political events, labour relations, currency fluctuations and other general economic conditions, market prices for Kingsgate Consolidated Limited products, timing of permits and other government approvals and requirements, changes in operating conditions, lower than expected ore grades, unexpected ground and mining conditions, availability and cost of materials and equipment, and risks generally inherent in the ownership and operation of mining properties and investment in foreign countries.*





# **Kingsgate's Vision**

**To be a preferred precious metals company**

**Delivering shareholder & stakeholder value through:**

- **Maximising efficient expansion from existing operations and developing high quality precious metal projects**
- **Increasing output, lowering production costs and improving cashflows, over the medium to long term**
- **Strategic engagement and relationship building with all stakeholders (Community, Corporate & Government) to foster and promote mutually beneficial outcomes.**



**Profit and Dividend Growth**

**&**

**Benefits for all Stakeholders**



# Kingsgate Today

## Geographic and operational diversity

- Two operating gold mines with growth potential
  - World class Chatree mine in Thailand
  - Challenger underground mine in South Australia
- Two exceptional, advanced-development silver projects
  - Nueva Esperanza silver/gold project in Chile
  - Bowdens silver project in NSW



The map shows the geographic distribution of Kingsgate's mining operations. A red dot in Thailand is labeled 'Chatree Gold Mine'. A red dot in South Australia is labeled 'Challenger Gold Mine'. A blue dot in Chile is labeled 'Nueva Esperanza Silver/gold Project'. A blue dot in Australia is labeled 'Bowdens Silver Project'. The map includes latitude and longitude lines, a scale bar for 5000 Kilometres, and labels for various cities and bodies of water like the Pacific Ocean, Coral Sea, and Tasman Sea.

**Chatree**  
Gold Mine

**Challenger**  
Gold Mine

**Bowdens**  
Silver Project

**Nueva Esperanza**  
Silver/gold Project

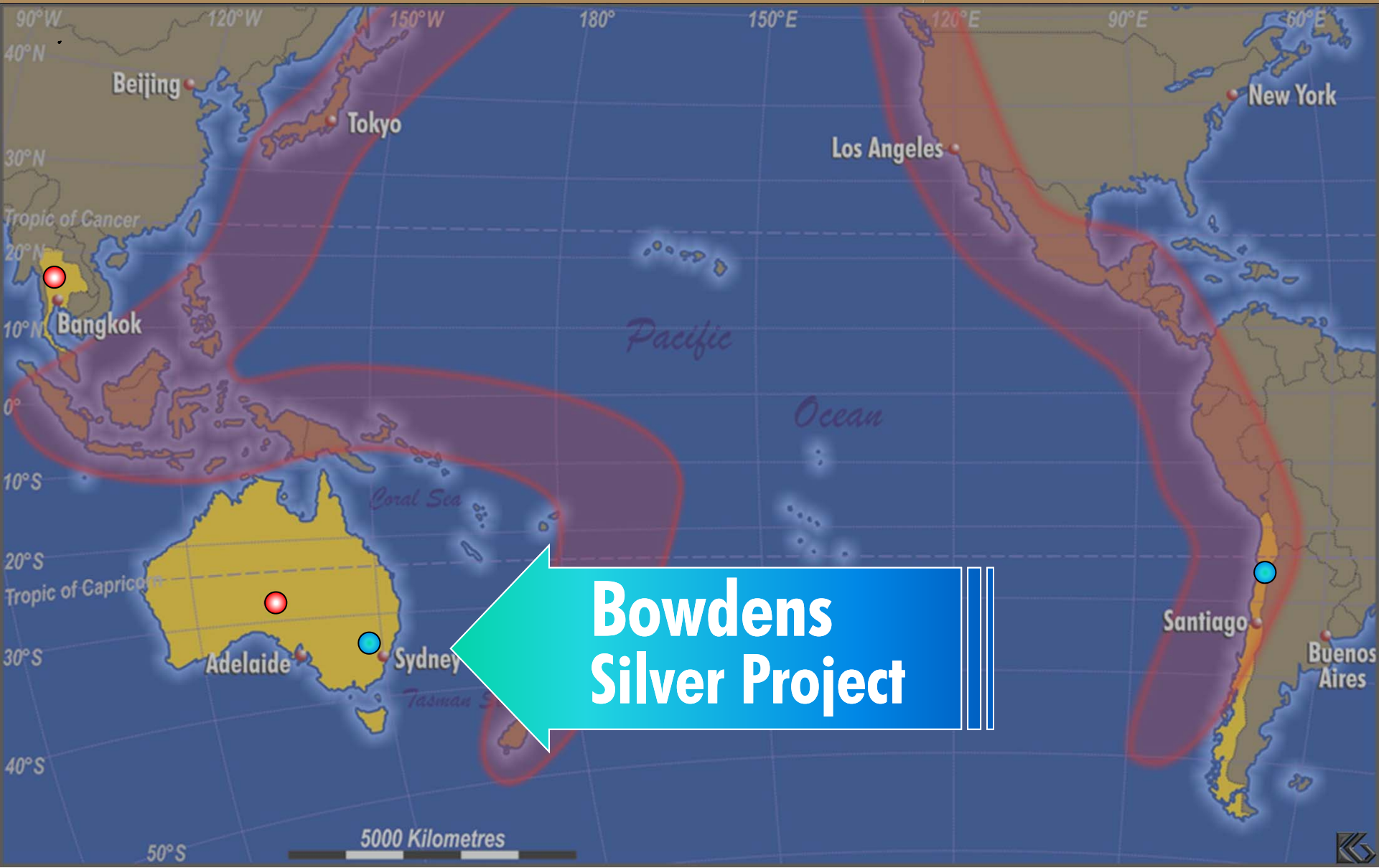
50°S

5000 Kilometres



# Bowdens Silver Project

## Kingsgate growth project in NSW



# Why Silver?

**Silver's unique properties are relevant in today's modern world and will underpin demand well into the future.**

- **Highest electrical conductivity of all the metals (critically important in the miniaturisation of circuits) and is non-corrosive.**
- **Superior thermal conductivity (transfers heat effectively; doesn't overheat).**
- **Highest reflectivity (94%) in visible light (gold 72%, aluminium 92%).**

***"Silver helps make today's interconnected lifestyle possible and is a vital component of virtually every automobile, cell and smartphone, computer and laptop, appliance and electronic device we use.***

***Further, silver's antibacterial properties are finding new uses in textiles, medical instruments and hospital equipment, providing an effective tool in combatting infection and bacteria"\****

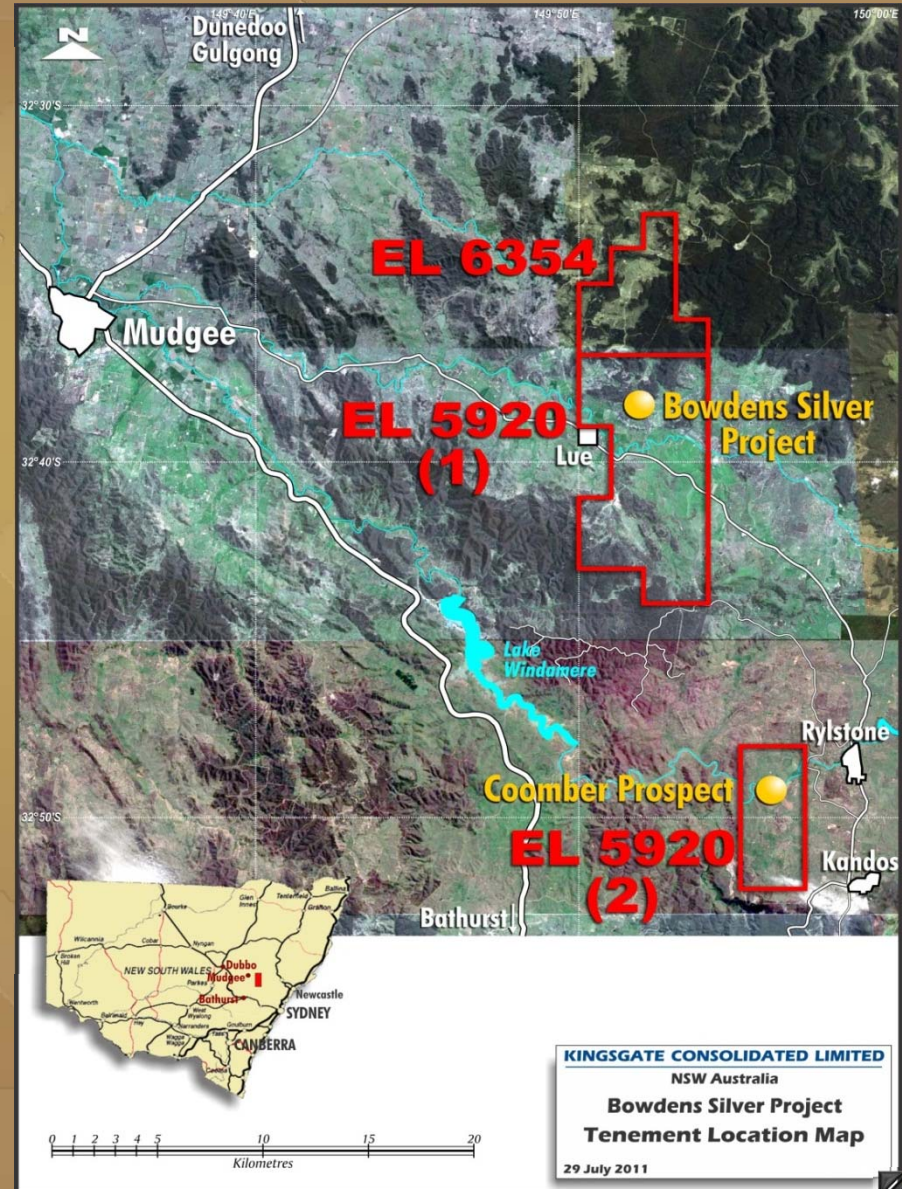
**Source: The Silver Institute; \* M. DiRienzo, The Silver Institute (March 2013)**





# Bowdens Silver Project

- Located 25km east of Mudgee, around 240km NW of Sydney
- Epithermal silver deposit with lead and zinc by-products
- Large, continuous, near surface deposit hosted in volcanics
- Purchased in 2011 for \$75M
- Prelim. resource and feasibility work completed in 2004
- Established infrastructure and mining workforce in the district



# Bowdens Resources

## A large, epithermal silver project

### Favourable Geology

- Large, continuous, near surface deposit hosted in a volcanic sequence of breccia and tuff (Rylstone Volcanics)

### Robust Resources

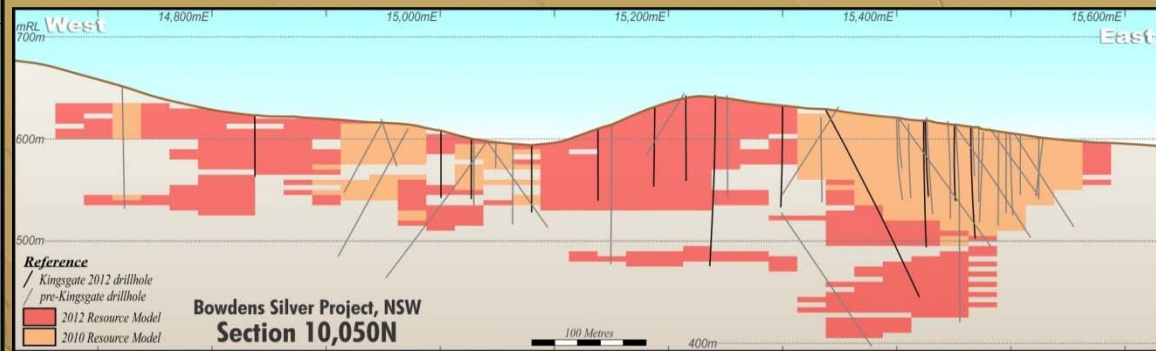
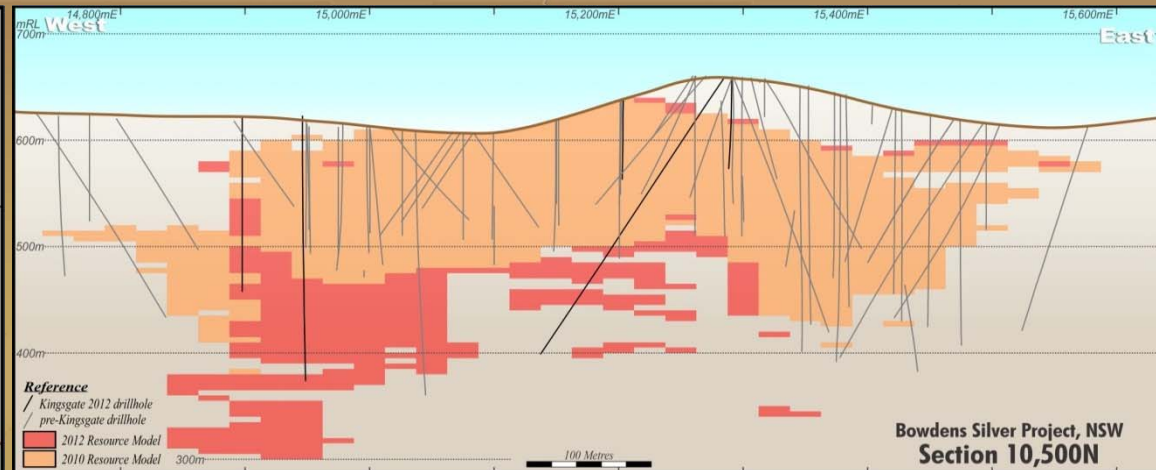
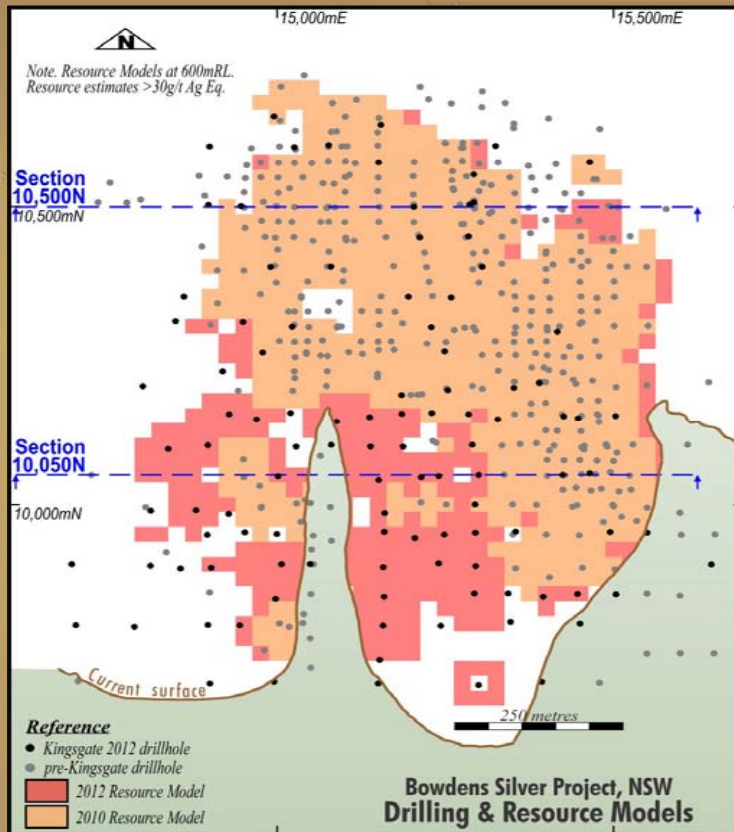
- Current Resource Estimate 182Moz AgEq\* (In-ground value ~\$5Bn)
- Comparable to ~4Moz of AuEq\*
- +10 year mine life

### Resource Upside

- Mineralisation open at depth & along strike.



# Bowdens Resource Upside



- Resources increased by 40% to 182Moz AgEq\* following in-fill and deeper drilling in 2012
- Potential to increase resource at depth

# Bowdens Feasibility Study

## Technical work continuing

### Mining

- Open pit mining with pit optimisation delivering a low strip ratio and a high grade starter pit.

### Infrastructure

- Power line, water & transport logistics have been identified & are being progressed.
- Engineering work underway & will be EIS compliant

### Metallurgy

- Kingsgate metallurgical testing delivers 82% Ag recovery, a 9% increase over earlier work.
- Metal recovered by traditional concentrate methods (silver-lead & zinc-silver products).

### Processing

- DFS based on 4Mtpa conventional flotation plant initially producing 8Moz – 9Moz AgEq\* (Equiv to 175Koz to 200Koz AuEq\*)
- Design parameters finalised



# Bowdens EIS

- **The initial Director Generals Requirements document (DGR) was received in February 2013.**
- **The DGR document forms the basis for the parameters to be addressed in the Environmental Impact Statement (EIS).**
- **Further requests were received from the NSW Department of Planning that require additional work.**
- **The scope of the EIS is also being broadened to address potential issues arising from recent NSW Land & Environment Court rulings.**
- **Submission of the EIS will follow the completion of the all the assessment and modelling work and is now expected to be submitted in 2014.**



# Bowdens Project Status

## Next Steps

### Environmental Impact Statement

- EIS work to be completed in 2014
- Ongoing Community consultation prior & post EIS submission.

### Feasibility Study

- Completion of the technical feasibility study including mine planning, infrastructure and metallurgy aligned to the finalisation of the EIS in 2014.

### Project Optimisation

- Further work will continue to optimise the project in the current volatile metal price environment.

# **Kingsgate** Consolidated Limited



**Listed: ASX**

**Code: KCN**

**Shares: 152 Million**

**Market Cap: ~A\$230M**

***[www.kingsgate.com.au](http://www.kingsgate.com.au)***



# Appendix

## General Disclaimer:

*The information contained in this presentation is for informational purposes only and does not constitute an offer to issue, or arrange to issue securities or other financial products. The information contained in this presentation is not investment or financial product advice and has been prepared without taking into account the investment objectives, financial situation or particular needs of any person. To the maximum extent permitted by law, none of Kingsgate Consolidated Limited, its directors, employees or agents, nor any other person accepts any liability including without limitation any liability arising out of fault or negligence for any loss caused from the use of the information contained in this presentation. No representation or warranty, express or implied, is given as to the accuracy, completeness or correctness, likelihood of achievement or reasonableness of any forecasts or other forward looking statements.*

## Competent Persons Statements:

*The information in this report that relates to Bowdens Mineral Resource estimation is based on work completed by Jonathon Abbott who is a full-time employee of MPR Geological Consultants and a member of the Australian Institute of Geoscientists and Mr Ron James. Mr Abbott and Mr James have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Abbott and Mr James consent to the inclusion in the report of the matters based on his information in the form and context in which it appears.*





# Bowdens

## Bowdens Mineral Resources as at 19 November 2012

(30g/t AgEq cut-off grade)

Category	Tonnes (million)	Grade				Contained Metal		
		Silver g/t	Lead %	Zinc %	AgEq g/t	Silver (Moz)	AgEq (Moz)	AuEq (Moz)
<b>Measured</b>	<b>23.6</b>	<b>56.6</b>	<b>0.31</b>	<b>0.41</b>	<b>74.5</b>	<b>43.0</b>	<b>57</b>	<b>1.25</b>
<b>Indicated</b>	<b>28.4</b>	<b>48.0</b>	<b>0.27</b>	<b>0.36</b>	<b>63.6</b>	<b>43.8</b>	<b>58</b>	<b>1.28</b>
<b>Meas &amp; Ind</b>	<b>52.0</b>	<b>51.9</b>	<b>0.29</b>	<b>0.38</b>	<b>68.6</b>	<b>86.8</b>	<b>115</b>	<b>2.53</b>
<b>Inferred</b>	<b>36</b>	<b>41</b>	<b>0.3</b>	<b>0.4</b>	<b>58</b>	<b>47.5</b>	<b>68</b>	<b>1.47</b>
<b>Total</b>	<b>88.0</b>	<b>47.4</b>	<b>0.29</b>	<b>0.39</b>	<b>64.4</b>	<b>134.1</b>	<b>182</b>	<b>4.00</b>

### Notes:

1. Rounding of numbers may generate rounding errors. 2. NSR metallurgical recoveries of 72% Ag, 75% Pb, and 66% Zn estimated from test work by Kingsgate. NSR or net smelter return metallurgical recovery is defined as the payable metal recovered after allowing for smelter deductions, which includes deductions for precious metals. 3. Price basis Ag US\$26.33/oz, Pb US\$2,206/t and Zn US\$2,111/t 4. Bowdens silver equivalent equation (AgEq) g/t = Ag (g/t) + 27.5 x Pb (%) + 22.8 x Zn (%) 5. It is the company's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered. 6. Cut-off grade for Bowdens is 30g/t AgEq.

### \*Kingsgate Group Metal Equivalent Notes:

#1. Nueva Esperanza silver equivalent:  $AgEq (g/t) = Ag (g/t) + Au(g/t) \times EQa$ . Gold Equivalent:  $AuEq (g/t) = Au (g/t) + Ag (g/t)/EQa$ ;  $EQa = (\text{price gold} \times \text{recovery gold}) / (\text{price silver} \times \text{recovery silver})$ . Calculated from prices of US\$1250/oz Au and US\$30/oz Ag, and metallurgical recoveries of 85% Au and 78% Ag estimated from test work by Kingsgate and Laguna. #2. Bowdens silver equivalent:  $AgEq (g/t) = Ag (g/t) + 27.5 \times Pb (\%) + 22.8 \times Zn (\%)$ . Calculated from prices of US\$26.33/oz Ag, US\$2,206/t Pb, US\$2,111/t Zn and NSR recoveries of 72% Ag, 75% Pb, and 66% Zn estimated following test work by Kingsgate. #3. Bowdens gold equivalent:  $AuEq (g/t) = 46 (\text{gold price} / \text{silver price})$ . Calculated from prices of US\$1200/oz Au, US\$26.33/oz Ag. #4. Chatree gold equivalent:  $AuEq/t = Au (g/t) + Ag (g/t) / EQa$ . EQa see note 1 above. Calculated from prices of US\$1400/oz Au and US\$26/oz Ag and metallurgical recoveries of 85% Au and 50% silver based on metallurgical test work and plant performance. #5. Cut-off grade for Chatree is 0.3g/t Au; Nueva Esperanza is 0.5g/t AuEq; Bowdens is 30g/t AgEq. #6. In the company's opinion, the silver, gold lead and zinc included in the metal equivalent calculations have a reasonable potential to be recovered.

