Building Canada's Next

MID-TIER GOLD PRODUCER





CORPORATE PRESENTATION March, 2021

CAUTIONARY STATEMENTS

This presentation contains statements or information concerning the business, operations and financial performance and condition of Wesdome Gold Mines Ltd. ("Wesdome" or the "Company") which constitute forward-looking statements or information (collectively, "forward-looking statements") within the meaning of applicable Canadian securities legislation. Forward-looking statements relate to future events or the anticipated performance the Company and reflect management's expectations or beliefs regarding such future events and anticipated performance as of the date of this presentation. Forward-looking statements include, but are not limited to, statements with respect to the timing and amount of future production, costs of production, targeted cost reductions, capital expenditures, the success of exploration activities, permitting time lines, government regulation of mining operations, the future price of gold and other minerals, and the timing and issuance of permits. Generally, forward-looking information can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", "believes" and variations of such words and phrases or statements that certain actions, events, or results "may", "could", "would", "might", or "will", "occur" or "be achieved" or the negative connotation thereof. By their nature, forward-looking statements involve numerous assumptions, inherent risks and uncertainties, both general and specific, that contribute to the possibility that the predicted outcomes could differ materially from those contained in such statements. These risks and uncertainties include, but are not limited to, fluctuations in prices of commodities, fluctuations in currency markets, actual results of additional exploration and development activities at the Company's projects, the timing and amount of estimated future production and the costs thereof, capital expenditures, the availability of any additional capital required to bring future projects into production, the failure of plant, equipment or processes to operate as anticipated, accidents, or labour disputes. Risks and uncertainties about Wesdome's business are more

fully discussed in the disclosure material filed with the securities regulatory authorities in Canada and available on SEDAR under the Company's profile at www.sedar.com. Readers are urged to read these materials and should not place undue reliance on the forward-looking statements contained in this presentation. Wesdome assumes no obligation to update the forward-looking information relating to beliefs, opinions, projections, or other factors, should they change, except as required by applicable securities laws

Estimates of Mineral Resources

This presentation contains information regarding the mineral resource estimate at the Company's Kiena Mine Complex, which has been classified in accordance with the Canadian Institute of Mining, Metallurgy and Petroleum's "CIM Definition Standards on Mineral Resources and Mineral Reserves" incorporated by reference into National Instrument 43-101 – *Standards of Disclosure for Mineral Projects ("NI 43-101")*. Mineral resources are not economic mineral reserves and the economic viability of resources that are not mineral reserves has not been demonstrated. The estimate of mineral resources may be materially affected by geology, environmental, permitting, legal, title, sociopolitical, marketing or other relevant issues. It is uncertain in all cases whether further exploration will result in upgrading the inferred mineral resources to an indicated or measured mineral resource category.

Qualified Person

The scientific and technical information in this presentation has been reviewed and approved by Michael Michaud, P. Geo and Vice President, Exploration of the Company, who is a "qualified person" within the meaning of NI 43-101.

Wesdome's INVESTMENT PROPOSITION





- 100% owned assets in Canada
- Production base in Ontario
- Primary growth asset in Quebec



HIGH GRADE GROWTH

- Successfully discovering, developing and mining high grade deposits
- Eagle River average reserve grade of 14 g/t
- New discoveries continue to extend high grade mineralization





Jan-18 May-18 Sep-18 Jan-19 May-19 Sep-19 Jan-20 May-20 Sep-20 Jan-21



LOW RISK PROFILE

- Kiena represents fully-funded low capex re-start
- Assets located in prolific mining districts
- **Debt free** entity



PROVEN MANAGEMENT

- Track record of turning around challenged assets and creating significant value for shareholders
- Majority of management previously from St Andrews Goldfields (sold to Kirkland Lake in 2016)

Gold

-Peers

CORPORATE STRUCTURE

PEER LEADING RETURNS

with minimal record of dilution to shareholders

INVESTOR RECOGNITION





CAPITAL MARKETS DATA

| Symbol | TSX:WDO |
|---|--------------------|
| 52 Week High/Low (Average daily volume 630,000 shares) | \$15.00/ \$5.85 |
| Street Target Price | \$15.05 |
| Shares Outstanding | 139.4M |
| Fully Diluted Shares | 143.3M |
| Market Capitalization (\$8.08 March 11 2021) | C\$1.1B |
| P / NAVPS (Consensus) | 0.7 x |
| Cash Position (December 31, 2020) | \$63.5M |
| No Debt | _ |
| Management and Directors | 0.7% |

Analyst Coverage

- BMO Capital Markets
- Canaccord Genuity
- Desjardins
- Echelon Wealth Partners
- Eight Capital Partners

- Industrial Alliance
- Laurentian Bank
- M Partners
- Mackie Research
- National Bank Financial
- PI Financial
- TD Securities

Major Shareholders

- Van Eck
- 1832 Asset Management
- Sprott
- Invesco
- Mackenzie Financial

- Royal Bank Investment Management
- Triasima
- US Global
- Gabelli

HIGH QUALITY ASSET BASE in Safe, Prolific Mining Districts



Steady production base with

FULLY-FUNDED GROWTH PIPELINE



EAGLE RIVER MINE 1

| Location | Wawa, Ontario |
|----------------|---|
| Stage | Producing |
| Туре | Underground |
| 2021 Guidance | 92-105,000oz at US\$980-1,090/oz AISC |
| 2P Reserves | 550,000oz 14.4g/t |
| M&I Resources | 111,000oz 9.0g/t |
| Inf. Resources | 159,000oz 12.3g/t |

KIENA PROJECT 1

| Location | Val-d'Or, Quebec |
|-----------------------------|--------------------------------|
| Stage | PEA (2020), PFS 2021 |
| Туре | Underground |
| LOM Profile | 86,000oz/yr at US\$512 AISC |
| M&I Resources ² | 719,900oz 17.5g/t |
| Inf. Resources ² | 120,400oz 11.5g/t |
| | |

MOSS LAKE PROJECT*

| Location | Thunder Bay, Ontario | | |
|----------------|---|--|--|
| Stage | PEA (2013) | | |
| Туре | Open Pit | | |
| LOM Profile | 244,000oz/yr at C\$922/oz cash costs | | |
| M&I Resources | 1,377,000oz 1.1g/t | | |
| Inf. Resources | 1,751,000oz 1.1g/t | | |
| | | | |

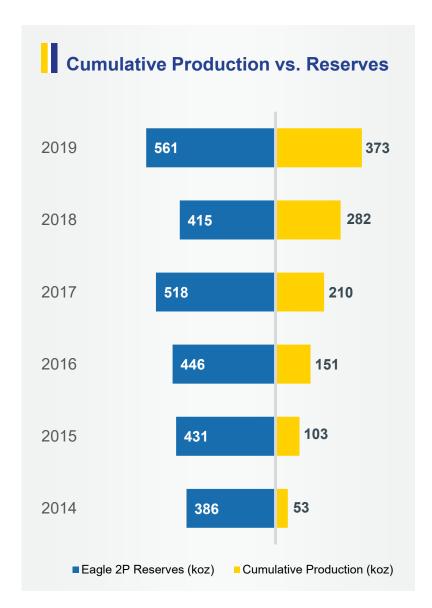
*Entered into sales agreement with Goldshore Resources, expected to close Q2 2021

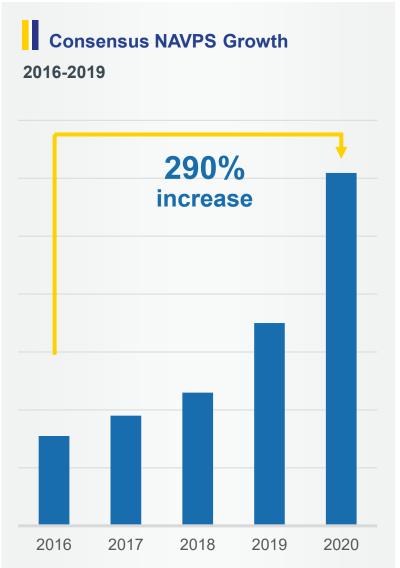
Notes

^{(1) 2019} Mineral reserves stated exclusive of resources

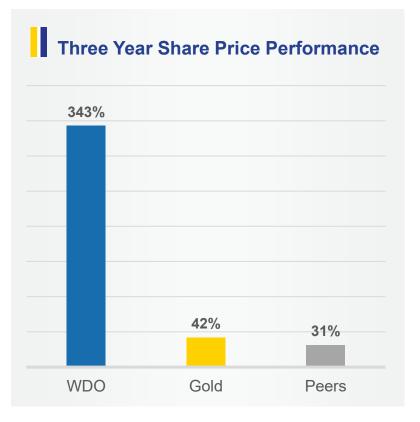
⁽²⁾ A Zone Mineral Resource Estimate (Kiena Deep)

Peer Leading TRACK RECORD Eagle River Mine







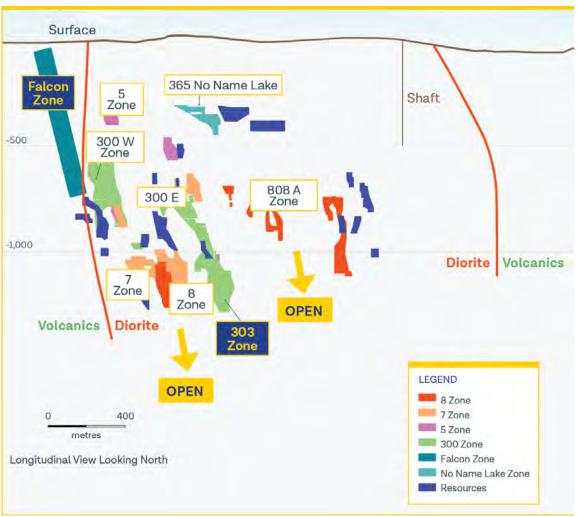




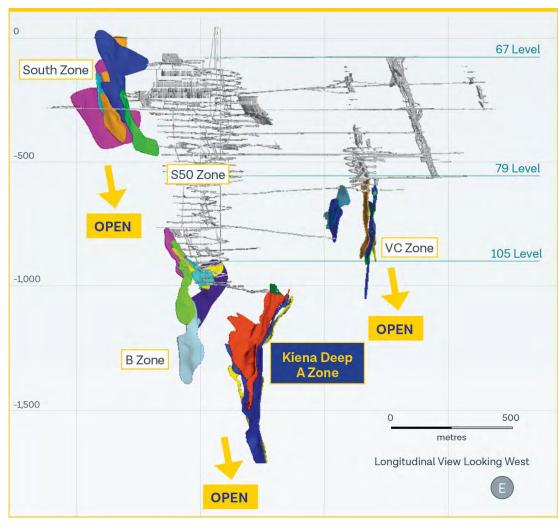
EXPLORATION SUCCESS Across Portfolio Continues

High grade brownfield discoveries at both Eagle and Kiena mines

Eagle Mine Complex



Kiena Project





Focused on **OPERATIONAL AND PROJECT DELIVERY**

Recent news flow continues to meet or exceed market expectations

| Feb 2020 | Exploration drilling at Kiena shows continuation of the Deep A Zone down plunge to 830m | V |
|------------|---|----------|
| Mar 2020 | Q4 results highlight record year over year production and cost improvement | V |
| May 2020 | Q1 results highlight record free cash flow performance despite COVID-19 impacts | V |
| May 2020 | Drill results from Kiena Deep A zone and resumption of drilling and development activities | V |
| May 2020 | Preliminary Economic Assessment at Kiena | V |
| July 2020 | Exploration drilling at Eagle River mine confirms down plunge extension of the Falcon Zone to the Mine 7 zone | V |
| Aug 2020 | Q2 results highlighted by strong free cash flow and resumption of drilling activities at Kiena | V |
| Sept 2020 | Exploration drilling at Eagle River and Kiena continue to highlight high grade adjacent to mine workings | V |
| Q4 2020 | Kiena resource update | V |
| Q1 2021 | 2020 production results + 2021 Guidance | V |
| Q1 2021 | 2020 YE and FY Financial Results , Eagle Reserve and Resource Update | V |
| Q2 2021 | Kiena Pre Feasibility Study + Restart Decision | * |
| Ongoing | Exploration drilling at Eagle | 2 |
| Ongoing | Exploration drilling at Kiena | |
| - Origonia | Exploration anning at None | |

ESG Strength



ENVIRONMENT

- Stage 4 Tailings Management Area vertical lift completed at Eagle River Mill, adding tailings capacity and allowing for increased monitoring capabilities
- Zero reportable spills YTD at both Eagle River Mine and Kiena Complex



Committed to

STRONG SUSTAINABILITY PERFORMANCE



GOVERNANCE

- Renewed focus on Sustainability strategy and performance with a newly hired Director, Sustainability and Environment
- Recently published 2019
 Sustainability Report, available on wesdome.com





SOCIAL

- Community Engagement Plans in development at both Eagle River Mine & Kiena Complex
- COVID-19 protocols in place at
 Eagle River Mine and Kiena
 Complex with zero reported cases
 to-date



Wawa, Ontario

EAGLE MINE

EAGLE RIVER Overview

Over 1.3Moz at 9.6g/t produced since 1995

- Located on prospective Mishibishu

 Greenstone Belt
- Two new parallel structures identified in 2013 (No. 7 and No. 300)
- **High grade 303 Lens** continuing to have positive operational impact
- Aggressive underground and surface exploration programs planned
- **2020** production: 90,278 ounces
- 2020 FCF **29 M** despite COVID impacts
- 2021 Guidance: 92,000 105,000





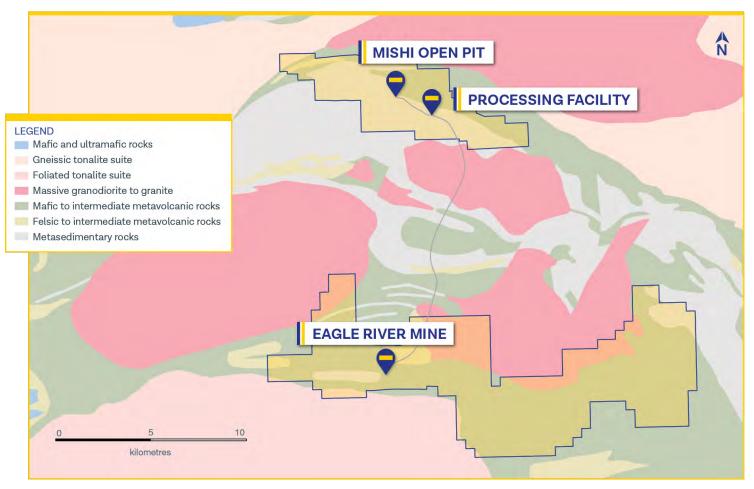
EAGLE RIVER Asset Summary

Over 1.3Moz at 9.6g/t produced since 1995

ASSET SUMMARY

| Location | 50km West of Wawa, Ontario |
|-------------------------|---|
| Ownership | 100% |
| Land Package | 11,013 ha |
| Mining method | Underground longhole and open pit |
| Processing | Conventional Merrill-Crowe |
| Mill Nameplate Capacity | 850 tpd capacity (1,200 tpd permitted) |
| Infrastructure | Access roads (HWY and gravel), grid power |

Eagle River Complex



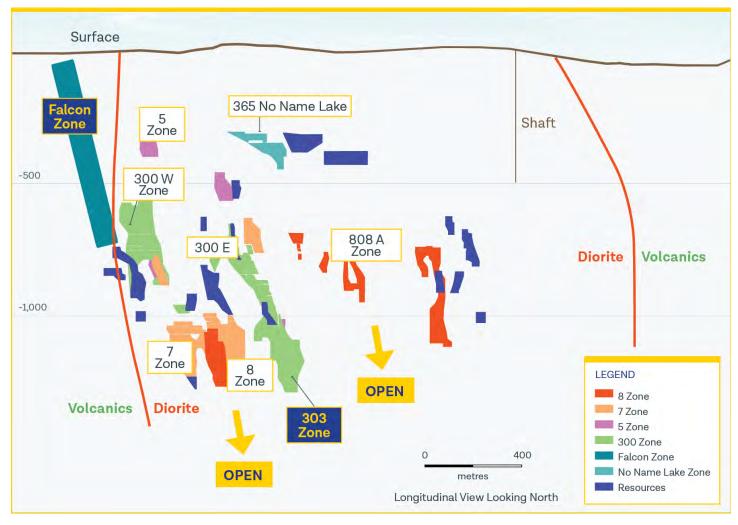
Existing MINE PLAN

OPERATIONAL IMPROVEMENTS EXPECTED

as additional zones are delineated

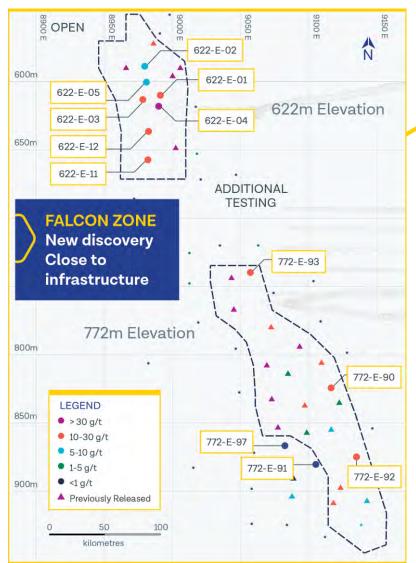
- 303E zone open at depth
- Falcon zone to enhance reserves and improve operational flexibility
- Increased mining rate targeting 600 tpd in 2021

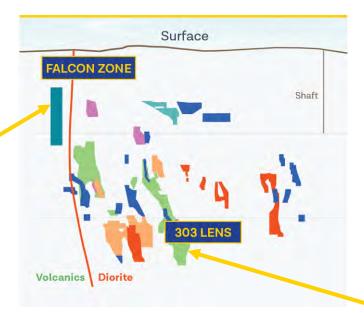
Eagle River Mine



HIGH GRADE Near Mine Upside

Falcon Zone Connecting 7 Zone





FALCON 7 ASSAYS

HOLE 622-E-02

51.3 g/t Au over 1.8m core length (38.2 g/t Au cut, 1.5m true width)

HOLE 622-E-11

18.6 g/t Au over 12.5m core length (18.4 g/t Au cut, 8.0m true width)

HOLE 622-E-12

56.8 g/t Au over 1.8m core length (42.9 g/t Au cut, 1.5m true width)

303 LENS

HOLE 925-E-135

41.0 g/t Au over 10.0m core length (34.8 g/t Au cut, 4.2m true width)

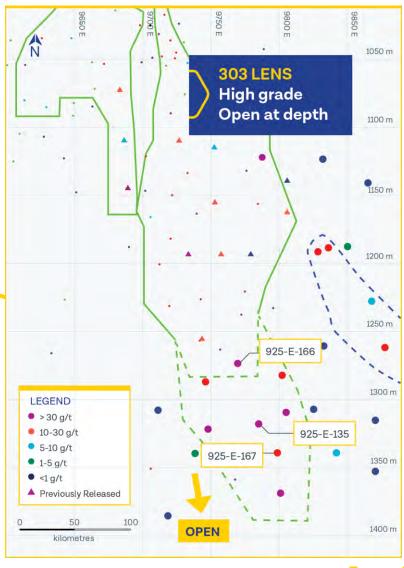
HOLE 925-E-166

54.9 g/t Au over 10.1m core length (35.8 g/t Au cut, 5.1m true width)

HOLE 925-E-167

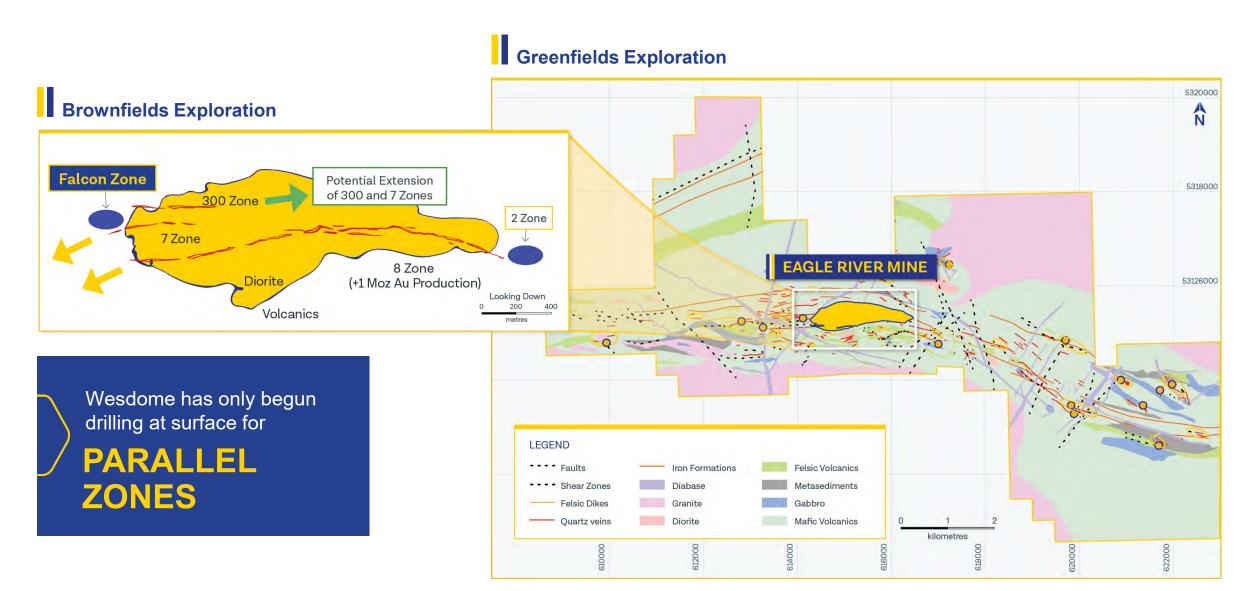
47.3 g/t Au over 5.9m core length (29.4 g/t Au cut, 3.0m true width)

Recent Drilling 303 Lens



Surface and Regional POTENTIAL





Val d'Or, Quebec

KIENA RESTART

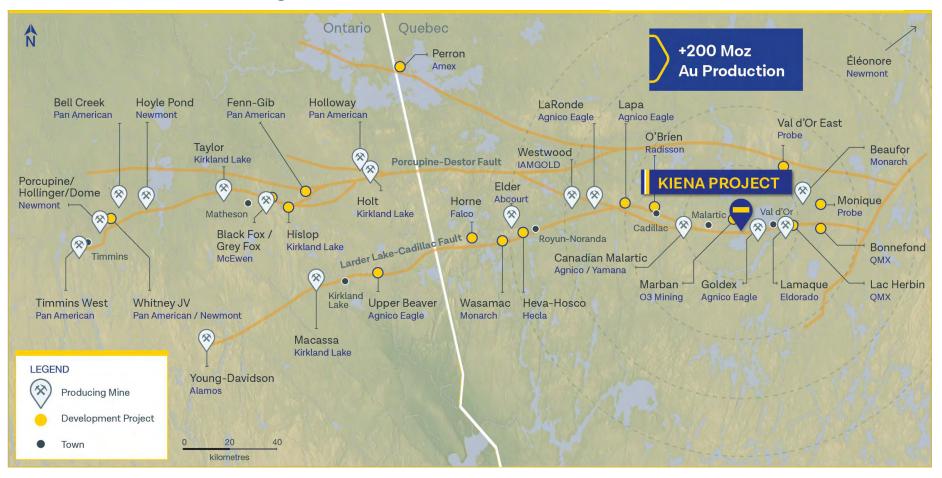


KIENA RE-START PROJECT Overview

Rapidly advancing low-risk project into production – PFS Q2 2021

- Location
 - · Near Val d'Or, Quebec
- Low Complexity and High Grade
 - Located in highly prospective Val d'Or gold camp
 - Water rights / permitting status
 / proximity to power
- **■** Low capital intensity
- **■** First quartile cost structure
- **■** Robust project economics
- **■** Fully permitted
- Significant upside to current resource
 - Expansion to existing zones
 - First modern surface drill program to test property has just commenced

Abitibi-Greenstone Belt: Regional Overview



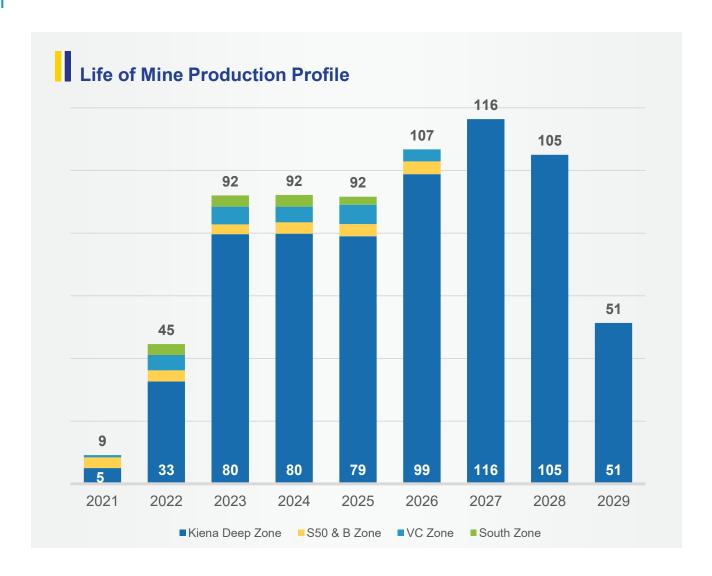
Kiena 2020 PEA STUDY RESULTS

Rapidly advancing low-risk project into production

KEY METRICS¹

| Total Tonnes Mined | 2.1Mt |
|------------------------------|-----------------|
| Diluted Gold grade | 10.65 g/t |
| Total Gold Contained | 709,065 oz |
| Annual Gold Produced | 86koz |
| Total Pre-production Capital | \$35M |
| AISC (\$/oz) | \$674 (US\$512) |

| Post-Tax NPV | \$416M |
|--------------|--------|
| Post-Tax IRR | 102% |



Notes:

⁽¹⁾ See press release dated May 27, 2020 "Wesdome delivers independent positive preliminary economic assessment at the Kiena complex in Val d'or, Quebec; after tax IRR of 102%" and NI 43-101 Technical Report published June 25, 2020

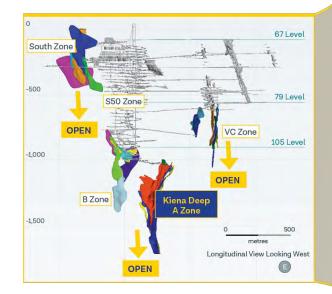
Exploration Continues to **EXPAND RESOURCE**



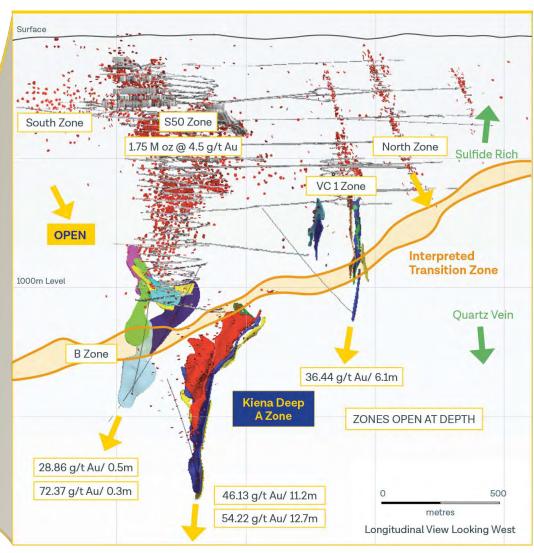
A-zone and VC zone continues to suggest

ROBUST UPSIDE TO CURRENT RESOURCE INVENTORY

Parallel Zones



Open to Depth – Transition to High Grade



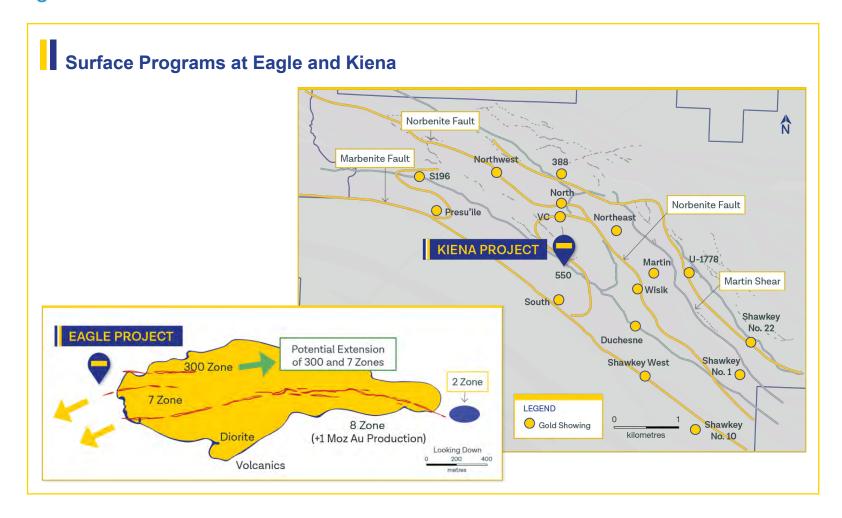


UPSIDE FROM SURFACE TARGETS and Mill Expansion

Longer term options to leverage existing excess infrastructure

EXPANSION POTENTIAL AT BOTH EAGLE AND KIENA to process additional feed



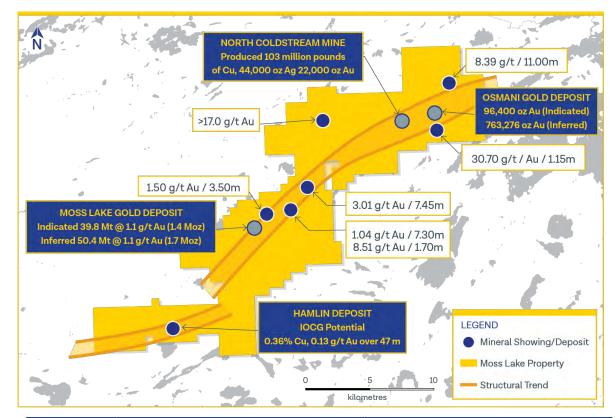




MOSS LAKE Project

Entered into a sales agreement with Goldshore Resources Inc

- Minimum initial aggregate consideration of C\$57 M:
 - C\$12.5 M in cash upon closing
 - Shares of Goldshore in an amount equal to the greater of a) \$19.5 million and b) 30% of the issued and outstanding common shares at Closing
 - C\$20 million in shares of Goldshore in the form of milestone payment consisting of:
 - C\$5M within 12 months of closing
 - C\$7.5M upon the earlier of Goldshore completing an updated PEA/PFS or 30 months from closing
 - C\$7.5M upon the earlier of Goldshore completing a feasibility study, or the date on which Goldshore makes a development decision on Moss Lake, or 48 months from closing
 - The grant to Wesdome of a 1% NSR royalty on all metal production from Moss Lake
 - Wesdome representation on Goldshore's Board of Directors with two appointees, Heather Laxton and Michael Michael
 - Transaction expected to close in Q2 2021



| | INDICA | ATED RESOL | JRCE | INFERRED RESOURCE | | | |
|-------|------------------|-------------------|------------------|-------------------|-------------------|------------------|--|
| Zone | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Tonnes (000s) | Grade (g/t Au) | Contained ounces | |
| 101 | 7,655,000 | 1.1 | 268,800 | 2,907,000 | 1.5 | 142,800 | |
| 102 | 32,140,000 | 1.1 | 1,108,500 | 10,274,00 | 1.2 | 382,600 | |
| Other | _ | _ | _ | 37,184,00 | 1.0 | 1,226,300 | |
| Total | 39,795,000 | 1.1 | 1,377,300 | 50,364,000 | 1.1 | 1,751,600 | |



MINERAL Reserves



EAGLE RIVER – MINERAL RESERVES

| | DE | CEMBER 31, 2 | 020 | DECEMBER 31, 2019 | | | |
|-------------------|------------------|-------------------|---------|-------------------|-------------------|------------------|--|
| | Tonnes (000s) | Grade (g/t Au) | | | Grade (g/t Au) | Contained ounces | |
| Proven | 370 | 12.6 | 150,000 | 331 | 15.5 | 165,000 | |
| Probable | 982 | 13.7 | 431,000 | 855 | 14.0 | 385,000 | |
| Proven + Probable | 1,352 | 13.4 | 581,000 | 1,186 | 14.4 | 550,000 | |



EAGLE RIVER PROVEN AND PROBABLE RESERVE

| | | DECEMBE | DECEMBER 31, 2020 | | | DECEMBER 31, 2019 | | | |
|-----------|------------------|-------------------|-------------------|---------|------------------|-------------------|------------------|---------|--|
| Structure | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Percent | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Percent | |
| No.300 | 756 | 14.9 | 362,000 | 62 | 798 | 15.5 | 397,000 | 72 | |
| No.7 | 394 | 12.6 | 160,000 | 28 | 267 | 12.9 | 110,500 | 20 | |
| No.8 | 111 | 10.7 | 38,000 | 7 | 103 | 11.6 | 38,500 | 7 | |
| Other | 91 | 7.2 | 21,000 | 3 | 18 | 6.9 | 4,000 | 1 | |
| TOTAL | 1,352 | 13.4 | 581,000 | 100 | 1,186 | 14.4 | 550,000 | 100 | |

MISHI – MINERAL RESERVES

| | DEC | EMBER 31, | 2020 | DEC | DECEMBER 31, 2019 | | | |
|----------------------|------------------|-------------------|------------------|------------------|-------------------|------------------|--|--|
| | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Tonnes (000s) | Grade (g/t Au) | Contained ounces | | |
| Proven | 52 | 2.5 | 4,200 | 8 | 1.9 | 500 | | |
| Probable | 50 | 3.4 | 5,500 | 108 | 2.9 | 10,000 | | |
| Proven + Probable | 102 | 3.0 | 9,700 | 116 | 2.8 | 10,500 | | |

MINERAL Resources



EAGLE RIVER – MINERAL RESOURCES¹

| | DECEMBER 31, 2020 | | | DECEMBER 31, 2019 | | | |
|-------------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|--|
| | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Tonnes (000s) | Grade (g/t Au) | Contained ounces | |
| Measured | 23.0 | 12.1 | 9,000 | 25.0 | 10.1 | 8,000 | |
| Indicated | 320.0 | 9.0 | 93,000 | 355.0 | 9.0 | 103,000 | |
| Measured + Indicated | 343.0 | 9.2 | 102,000 | 380.0 | 9.0 | 111,000 | |
| Inferred | 510.2 | 12.5 | 205,000 | 403.0 | 12.3 | 159,000 | |

KIENA MINE COMPLEX – MINERAL RESOURCES¹

| | DECEMBER 15, 2020 | | | | |
|----------------------------|-------------------|--------------------|------------------|--|--|
| | Tonnes (000s) | Grade (g/t Au)* | Contained ounces | | |
| Indicated | 1,789,900 | 13.8 | 795,900 | | |
| Total Measured + Indicated | 1,789,900 | 13.8 | 795,900 | | |
| Inferred | 3,405,600 | 6.0 | 656,200 | | |

MISHI – MINERAL RESOURCES¹

| | DECEMBER 31, 2020 | | | DECEMBER 31, 2019 | | | |
|-------------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|--|
| | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Tonnes (000s) | Grade (g/t Au) | Contained ounces | |
| Open pit Inferred | 2,808.0 | 1.6 | 147,000 | 2,808.0 | 1.6 | 147,000 | |
| Underground Inferred | 373.0 | 5.4 | 65,000 | 373.0 | 5.4 | 65,000 | |
| Total Inferred | 3,182.0 | 2.1 | 212,000 | 3,182.0 | 2.1 | 212,000 | |

MOSS LAKE – MINERAL RESOURCE TOTAL²

| | INDICATED RESOURCE | | | INFERRED RESOURCE | | | |
|-------|--------------------|-------------------|------------------|-------------------|-------------------|------------------|--|
| Zone | Tonnes (000s) | Grade (g/t Au) | Contained ounces | Tonnes (000s) | Grade (g/t Au) | Contained ounces | |
| 101 | 7,655,000 | 1.1 | 268,800 | 2,907,000 | 1.5 | 142,800 | |
| 102 | 32,140,000 | 1.1 | 1,108,500 | 10,274,00 | 1.2 | 382,600 | |
| Other | | | | 37,184,00 | 1.0 | 1,226,300 | |
| Total | 39,795,000 | 1.1 | 1,377,300 | 50,364,000 | 1.1 | 1,751,600 | |

Notes:

⁽¹⁾ Exclusive to Mineral Reserves

MANAGEMENT and Board

Successful operating, development and exploration track record



MANAGEMENT

- Duncan Middlemiss P.Eng CEO, Director
- Michael Michaud P.Geo VP, Exploration
- Raj Gill CFA VP, Corporate Development
- Stacy Kimmett

 VP, Human Resources

- Marc-Andre Pelletier P.Eng COO
- Scott Gilbert CPA, CA CFO
- Lindsay Dunlop
 VP, Investor Relations
- Heather Laxton Corporate Secretary and CGO



DIRECTORS

- Warwick Morely-Jepson Chairman
- Nadine Miller P.Eng
 Director
- Edie Thome
 Director

- Charles Main CPA, CA Director
- Brian Skanderbeg P.Geo Director
- Bill Washington
 Director



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