

# Disclaimers

#### **Information Contained In This Presentation**

This presentation (the "**Presentation**") has been prepared by Lahontan Gold Corp. (the "**Company**") solely for informational purposes. None of the Company, its airlitates or any of their respective employees, directors, officers, contractors, advisors, members, successors, representatives or agents makes any representation or warranty as to the accuracy or completeness of any information contained in this Presentation and shall have no liability for any representations (expressed or invalided) contained in, or for any omissions from, this Presentation. This Presentation shall not constitute an offer, nor a solicitation of an offer, of the sale or purchase of securities. This Presentation does not constitute an offering of securities of the Company and times no circumstances is it as be construed as a prospectus or advertisement or public offering of securities.

No securities regulatory authority or similar authority has reviewed or in any way passed comment upon the document of the Company's securities and any representation to the contrary is an offence. Except where otherwise indicated, the information contained in this Presentation has been prepared by the Company and is given as of the date hereof. The desired so find the formation shall not imply that the information herein is correct as of any date after the date hereof.

#### Market and Industry Data

This Presentation includes market and industry data that has been obtained from third party sources, including industry publications, the Company believes that the industry data is accurate and that the estimates and assumptions are reasonable, but there is no assurance as to the accuracy or completeness of this data. Third party sources generally state that the information contained therein has been obtained from sources believed to be reliable, but there is no assurance as to the accuracy or completeness of included information. Although the data is believed to be reliable, the Company has not independently verified any of the data from third party sources referred to in this Presentation or ascertained the underlying economic assumptions relied upon by such sources. References in this Presentation to reports and publications should not be construed as depicting the complete findings of the entire referenced report or publication, the Company does not make any representation as to the accuracy of such information.

#### **Cautionary Note Regarding Forward-looking Information**

This Presentation contains "forward-looking information" within the meaning of applicable Canadian securities laws. Forward-looking information includes, but is not limited to, information with respect to the Company's strategy, plans or future financial or operating performance, and advancements at the Company's properties; Any expectations with respect to defining mineral resources or mineral reserves on any of the projects any expectation with respect to any permitting, development or other work that may be required to bring any of the projects into production; any expectation that any of the projects can be brought back into production rapidly or expeditiously; any expectation potential for any of the projects; any expectation that market conditions will wair ant future production from any of the projects; statements with respect to the transaction (the "Transaction") with Energy Fuels inc. ("Energy Fuels"), the timing of closing of the Transaction and the impact on the Company's operations; any expectation that any future production payments will become due and payable and be paid "deficiently, but not always, forward looking information and statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "statements", "foreasts", "intends", "anticipates", or "believes" or the negative connotation thereof or variations of such words and phrases of statement fluctorial actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" or "believed" and phrases of statements of statements or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" or "believed" and phrases of statements and phrases of statements or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" or "believed" o

Forward looking information is based on the Company's current expectations, beliefs, assumptions, estimates and forecasts about the Company's business and the indicates and markets in which it offerates. Such forward information and statements are based on numerous assumptions, including among others, the availability of financing the accuracy of previous exploration records and results, that the results of planned exploration activities are as anticipated, the cost of planned exploration activities and support the company is planned exploration and development activities will be available on reasonable terms and in a timely manner and that general business and economic conditions will not change in a material adverse manner. Although the assumptions made by the Company in providing forward looking statements are considered reasonable by management at the time, there can be no assurance that such assumptions will prove to be

Forward-looking information and statements also involve leavin and unknown risks and uncertainties and other factors, which may cause actual results, performances an achievements of the Company expressed or implied by such forward fooking information or statements. These factors include receipt of certain regulatory approvals in connecting triple of the Company and Energy Firels; the costs associated with bringing any of the projects back must product by the state instances have being a state of the sale of the sale

Although the Company has attempted to identify important factors that could cause acted actions, events or fesults to differ materially from those contained in the forward looking information, there may be other factors that cause results and future events could differ inaterially from those anticipated, estimated or intended. Accordingly, read should not place undue reliance on forward looking statements or information. The Company undertakes no obligation to update or reising forward-looking information or events except as required by applicable securities laws.

The footnotes, endnotes and appendices to this Presentation contain important info

The Technical information in this pre-

who is a Qualified Berson as the term is delined i

## LAHONTAN CORPORATE SNAPSHOT

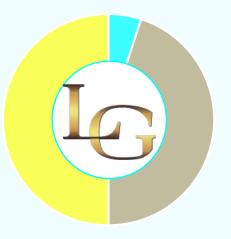




#### **KEY SHAREHOLDERS:**

- > KA GOLD (Founders)
- > MERK
- > EXTRACT
- > EMA
- > APAC
- > PALOS

### LAHONTAN SHAREHOLDERS



RETAIL	- INST
KLIML	11421

- KA

INSTITUTIONS

SHARE STRUCTURE					
Proforma Shares Outstanding	(Shares)	284.9 M			
Market Capitalization	(C\$M)	Basic: \$17.1M			
		FD: <b>\$24.3</b> M			
Warrants	14.0M @ 18 cents	94.2M total			
	26.4M @ 12 cents				
	32.4M @ 10 cents				
	21.4M @ 8 cents				
Options		26.6M @ 14 cents			
Cash	(C\$M)	\$2.0 M			
Debt	(C\$M)	\$0			

#### **ANALYST & BANKING SUPPORT**





#### **NEWSLETTER WRITERS**

- > Brien Lundin
- Jay Taylor
- Don Durrett



# MANAGEMENT & BOARD



KIMBERLY ANN, FOUNDER EXECUTIVE CHAIR, CEO, PRESIDENT



BRIAN MAHER, FOUNDER VICE PRESIDENT – EXPLORATION



JOHN MCNEICE CHIEF FINANCIAL OFFICER



MAX PLUSS INDEPENDENT DIRECTOR



EVAN PELLETIER INDEPENDENT DIRECTOR



JOSH SERFASS
INDEPENDENT DIRECTOR



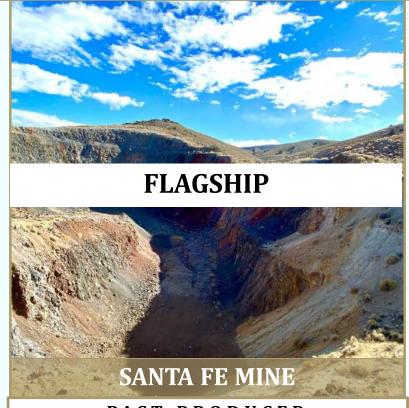
SHANE WILLIAMS
INDEPENDENT DIRECTOR



# LARGE-SCALE GOLD OXIDE DEPOSITS

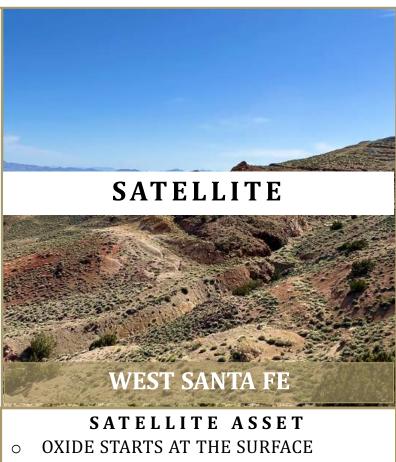
WALKER LANE, NEVADA USA

### GOLD & SILVER ASSETS IN THE WALKER LANE

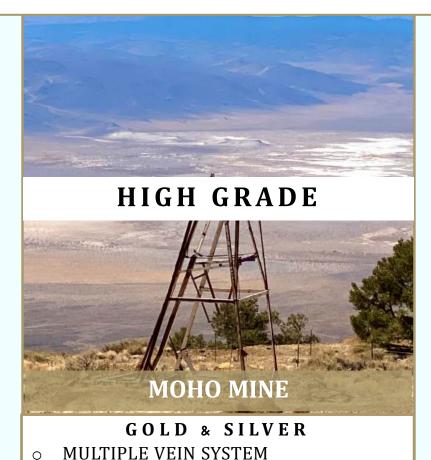


#### PAST PRODUCER

- O OPEN PIT, HEAP LEACH GOLD & SILVER
- o US\$200M POST TAX NPV<sup>5\*</sup>
- POST TAX IRR: 34.2%\*



 ONLY 13 Km AWAY FROM OUR FLAGSHIP



HISTORIC GRADES 25 g/t GOLD & 300

\* Please see the "Preliminary Economic Assessment, NI 43-101 Technical Report, Santa Fe Project", Authors: Kenji Umeno, P. Eng., Thomas Dyer, PE, Kyle Murphy, PE, Trevor Rabb, P. Geo, Darcy Baker, PhD, P. Geo., and John M. Young, SME-RM; Effective Date: December 10, 2024, Report Date: January 24, 2025. The Technical Report is available on the Company's website and SEDAR+. Spot case utilizes US\\$2,705 Au price and US\\$32.60 Ag price.

g/t SILVER





# WALKER LANE, NEVADA EXTREMELY ACTIVE DISTICT



#### **NEVADA**

- o # 1 Jurisdiction in the USA
- o Straight-forward permitting



#### SIZE & SCALE

- o 1.95 Million ounces & growing
- o District scale land package
- Multi million-ounce district



#### **EXCELLENT INFRASTRUCTURE**

- Year-round access, substation on site, access to three water wells
- o Adjacent to an operating mine



#### PAST PRODUCER

- Santa Fe was mined from 1988-1994 by Corona Gold
- o LG on track to Production targeting 2026

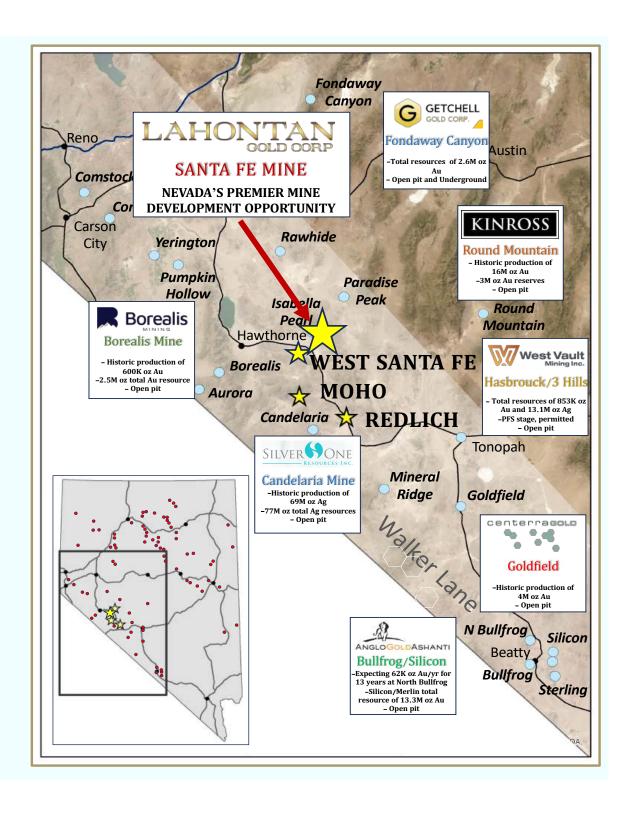


# MANAGEMENT & BOARD- PROVEN TRACK RECORD

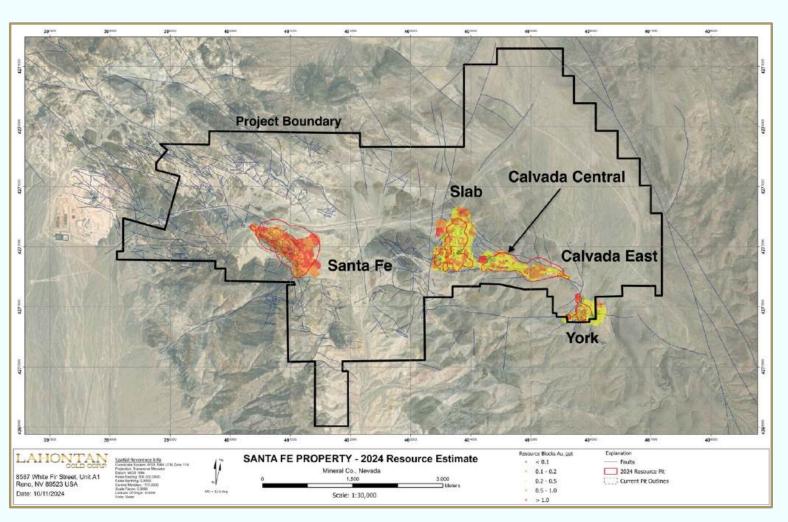
 Strong support with Management, major Institutional & high net worth investors controlling > 55% of shares



TSX.V-LG; OTCQB-LGCXF



# UPDATED RESOURCE ESTIMATE: 1.54 MILLION OUNCES INDICATED AND 0.41 MILLION OUNCES INFERRED PIT CONSTRAINED RESOURCE\*



- 1 AVERAGE GRADE 0.93 g/t Au Eq
- 2 INDICATED AND INFERRED RESOURCES
  - Occur in five separate deposits
  - Resource constrained by conceptual pits
- OXIDE DOMAIN RESOURCES
  - o Indicated Au Eq oxide: 640,000 oz grading 0.68 g/t Au Eq\*
  - Inferred Au Eq oxide: 219,000 oz grading 0.53 g/t Au Eq\*
- 4 HISTORIC PRODUCTION BREAKDOWN
  - o 359,202 ounces Au
  - 702,067 ounces of Ag with 1.1 g/t Au Eq average grade

### SANTA FE LAND, GOLD & SILVER RESOURCES

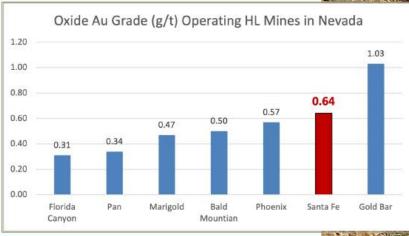
\*Please see Appendix for detailed Mineral Resource Estimate.





# WHAT TO KNOW SANTA FE DEPOSIT

- 1 SANTA FE PIT OXIDE
  - Significant oxide & transition left to be mined
  - 0.70 g/t oxide gold with low strip\*
- 2 COMPETENT WALL ROCK
  - o 50-degree pit slopes
  - Mineralization crops out in the pit bottom and high-wall
- OVERALL OXIDE GRADE AMONG HIGHEST IN NEVADA\*



TSX.V-LG; OTCQB



# 100% Controlled SANTA FE MINE PATHWAY TO PRODUCTION



ROUTE TO SUBSTATION

POWERINE TO SUBSTATION ON LG PROPIERT

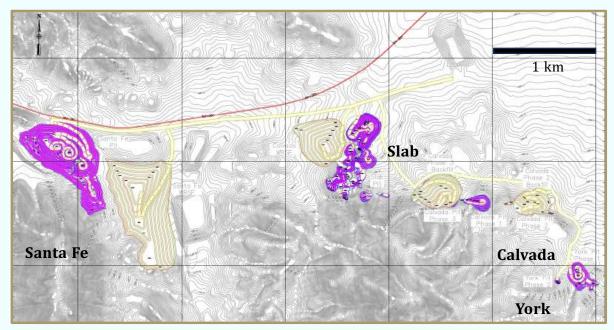
PLT EXPANSION

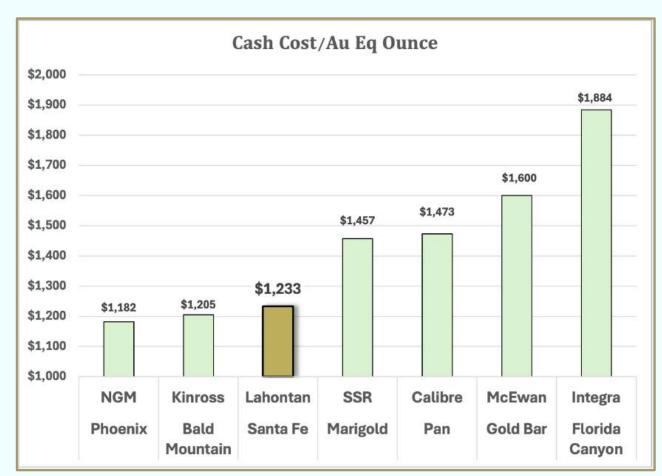
PLT EXPANSION

PSX VELG. OTCQB-EGCXF

# SANTA FE MINE PEA: LOW CAPEX, LOW COST, RAPID PAYBACK WALKER LANE, NEVADA USA

- ➤ LOM strip ratio of only 1.6\*
- Capex of US\$135 M including a 20% contingency\*
- Payback period of 2.9 years\*
- Low cash costs\*





#### **Operating Nevada Heap-Leach Gold Mines Cash Costs**





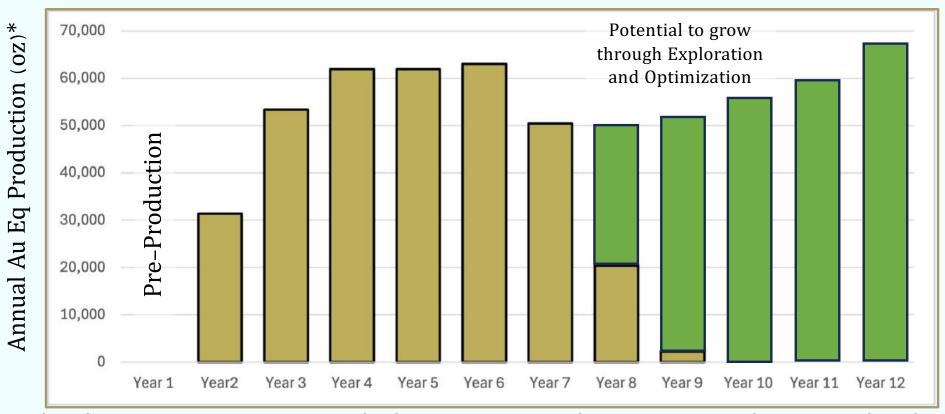
<sup>\*</sup> Please see the "Preliminary Economic Assessment, NI 43–101 Technical Report, Santa Fe Project", Authors: Kenji Umeno, P. Eng., Thomas Dyer, PE, Kyle Murphy, PE, Trevor Rabb, P. Geo, Darcy Baker, PhD, P. Geo., and John M. Young, SME-RM; Effective Date: December 10, 2024, Report Date: January 24, 2025. The Technical Report is available on the Company's website and SEDAR+. Spot case utilizes US\$2,705 Au price and US\$32.60 Ag price.

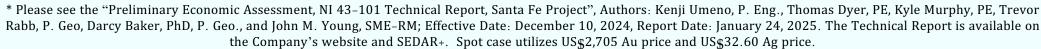
# SANTA FE MINE PEA: ROBUST ECONOMICS WALKER LANE, NEVADA USA

8 Year Project Life\* 12,500 TPD US\$1,233 LOM Cash Cost\*

~50,000 oz/year Ave. LOM Au Eq Production\* US\$200M NPV<sup>5</sup>
After Tax, Spot
Case\*

IRR = 34.2% After Tax, Spot Case\* US\$931M LOM Gross Revenue\*



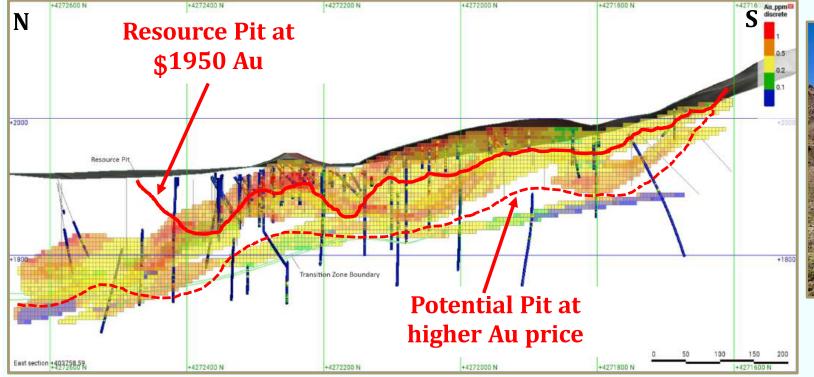






# SANTA FE MINE PEA: UPSIDE OPPORTUNITES WALKER LANE, NEVADA USA

- ➤ **DRILL, DRILL:** Add ounces through the drill bit
- ➤ Slab has high-grade oxide potential to the north and under the \$1950 resource pit shell
- ➤ Potential for +200,000 oz oxide resource expansion
- ➤ Met Testing: PEA points to additional testing for Slab-Calvada to improve Au recoveries

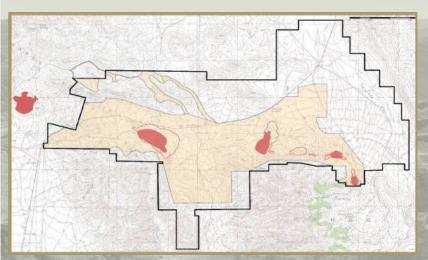








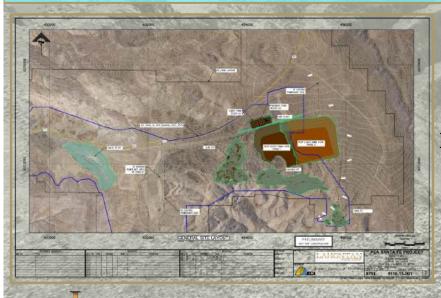
# SANTA FE MINE- PATH WAY TO PRODUCTION EXPLORATION PLAN OF OPERATIONS & MINE PLAN OF OPERATIONS



PLAN OF OPERATIONS

- Advanced permitting process covers 12.2 km<sup>2</sup>
   area
- Permit will cover 50% of land package with over
   700 permitted drill holes
- Massive potential to grow resource through the drill bit

### BOTH PERMITS RUN IN PARALLEL TO EACH OTHER



MINE PLAN OF OPERATIONS

- Mine POO regulated by BLM, runs in parallel to Exploration POO, covers siting of mine facilities
- State permitting through NDEP covers air, water, waste rock characterization; simultaneous with BLM permitting
- o Targeting permit to build 2026

TSX.V-LG; OTCQB-LGCXF



# Amodei Reintroduces Mining Regulatory Clarity Act

Congressman Mark Amodei (NV-02) and Congressman Steven Horsford (NV-04) reintroduced the Mining Regulatory Clarity Act of 2025, which reaffirms that public land use under a mining claim inherently accompanies mining-support activities.

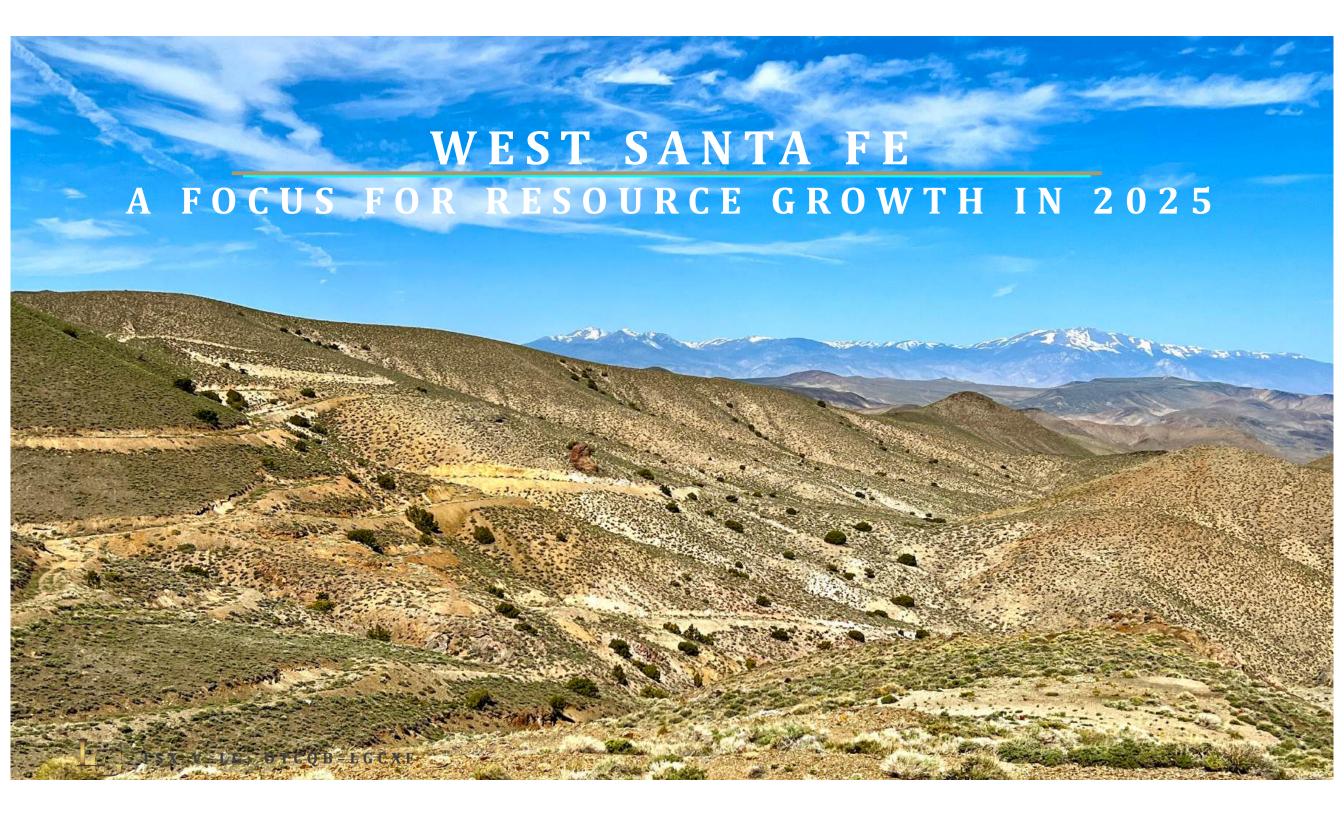
"The Rosemont Decision overturned decades of established precedent that allowed our domestic mining operations to flourish, and instead blocked production efforts with excessive red tape," **said Rep. Mark Amodei**. "Out West, we have an abundance of natural resources that we can responsibly utilize to reduce our reliance on adversaries and strengthen our national security. This bill reverses the damage caused by the misguided Rosemont Decision and restores clarity for critical mining projects to move forward."



"Mineral production is critical to Nevada's economy and America's energy and technology needs," **Rep. Horsford said.** "I'm proud to partner with Senator Cortez Masto and Congressman Amodei on the Mining Regulatory Clarity Act to ensure production continues responsibly and free from bureaucratic roadblocks. This is about protecting jobs for Nevadans and creating economic prosperity for the American people while protecting our lands and resources."



"We need to streamline our federal permitting process to unleash the full potential of Nevada's critical mineral economy," said Senator Cortez Masto. "I'm continuing my bipartisan push to pass this commonsense bill that will cut red tape, protect mining jobs in Nevada, help support clean energy projects nationwide."



# WEST SANTA FE OXIDE OXIDE OXIDE

### WHAT TO KNOW

#### WEST SANTA FE

1 LOCATION LOCATION LOCATION

- o Located only 13 km west of the Flagship Santa Fe Mine
- o District scale land package

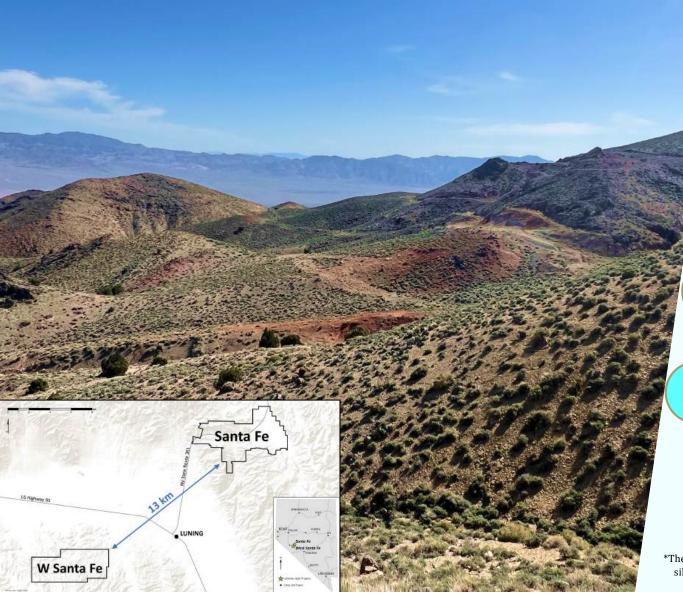
SIGIFICANT HISTORIC DATABASE

Outlines a shallow oxide Au & Ag deposit of 0.5-1.0M
 ounces starting at surface\*

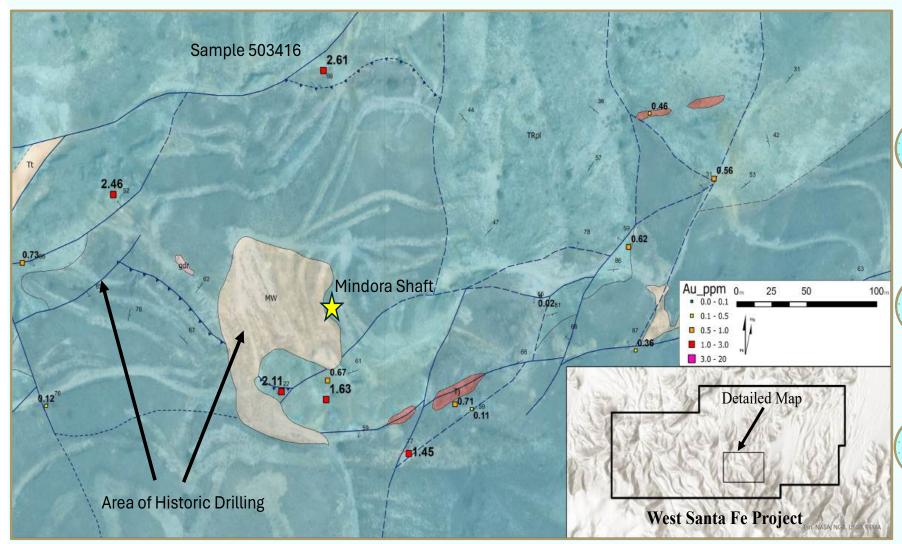
SANTA FE LOOK-A-LIKE

- Open-pit mining configuration with low-cost potential as a satellite to Santa Fe
- LOW-COST OPTION AGREEMENT TO ACQUIRE 100% OF THE PROPERTY
  - Back-end loaded payments for seven years can be made with combination of shares and cash
  - o Total buyout \$1.8M
  - Total expenditures over seven years \$1.4M sufficient to define maiden mineral resource estimate

\*The exploration target at West Santa Fe is conceptual in nature and is based on the size of the known mineralized zones, and gold and silver grades from historical drilling. The qualified person has not completed sufficient work to verify the historical information on West Santa Fe and this information should not be relied on.



# WEST SANTA FE HIGH-GRADE SURFACE SAMPLING



Gold grades in g/t are shown against a backdrop of mapped fault structure. Note that the highest grades encountered are adjacent to the areas of historic drilling and expand the potential target size at West Santa Fe.



### WHAT TO KNOW

#### WEST SANTA FE



#### WELL DEFINED STRUCTURE

- Sampling and mapping has helped identify structural controls to Au & Ag mineralization
- Intersections of northeast striking high-angle faults and low-angle thrust faults are key controls



#### ROCK CHIP SAMPLES

Contains up to 2.61 g/t Au and 899
 g/t Ag (14.60 g/t Au Eq)



#### HIGH GRADE SILVER

 Historic drilling underscores the importance of Ag at West Santa Fe



# WEST SANTA FE EXCELLENT RESOURCE GROWTH POTENTIAL

## WHAT TO KNOW

### WEST SANTA FE



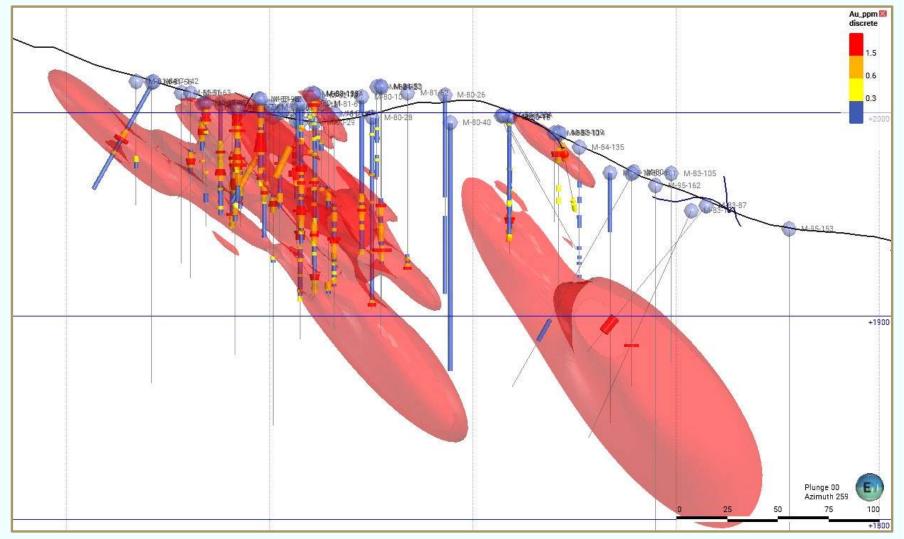
- o Au & Ag begins at surface
- o Mineralization continues down-rake
- o All Oxide!!!

### 2 0.31 G/T AU SHELL OUTLINE

- Look alike to Santa Fe
- Possible low-cost satellite operation
- Historic drilling defines a large Au & Ag mineralized system\*

### PLANNED DRILL PROGRAM

- o 6,300 metres of drilling, 26 holes
- Sets stage for maiden resource estimate

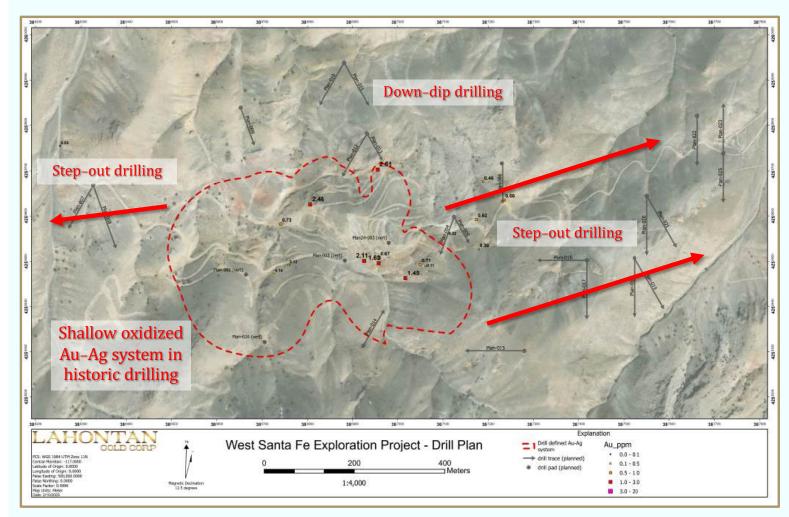


\*The exploration target at West Santa Fe is conceptual in nature and is based on the size of the known mineralized zones, and gold and silver grades from historical drilling. The qualified person has not completed sufficient work to verify the historical information on West Santa Fe and this information should not be relied on.



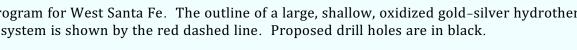
TSX.V-LG; OTCQB-LGCXF

# WEST SANTA FE PHASE ONE DRILLING IN 2025



Phase One drill program for West Santa Fe. The outline of a large, shallow, oxidized gold-silver hydrothermal system is shown by the red dashed line. Proposed drill holes are in black.







#### PHASE ONE DRILL PROGRAM 6300 METRES

- 26 RC drill holes to verify historic drilling and step-out on strike and down dip
- Drilling can be done under a Notice of Intent: rapid BLM permitting
- Historic drilling defines a large, shallow oxide Au and Ag system unconstrained by drilling



# LAHONTAN KEY CATALYSTS 2025

- PERMIT DRILLING PROGRAM FOR SANTA FE, SLAB

  o Drill in Q2 2025
- PLAN AND PERMIT DRILLING FOR WEST SANTA FE

  o Drill in Q3 2025
- 3 APPROVAL OF SANTA FE EXPLORATION PLAN OF OPERATIONS
  - o H2 2025
- 4 UPDATE SANTA FE PEA Q4



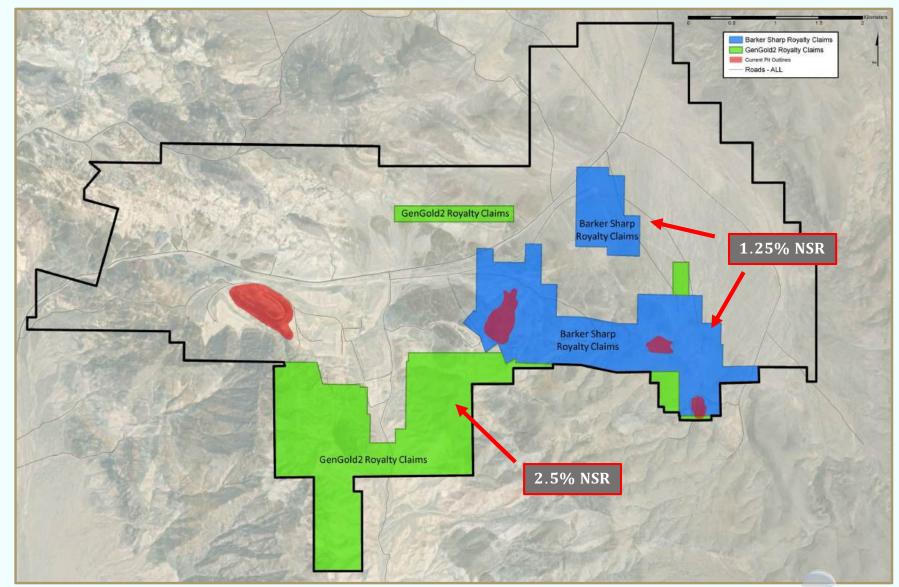


# Appendix - Santa Fe Mine Royalties

### 26.4 km<sup>2</sup> Land Package

- o 389 unpatented lode mining claims
- o 67 unpatented mill site clams
- 24 patented lode mining claims
- Except for 45 optioned unpatented lode mining claims, all mining claims are 100% owned by Lahontan

# Over 79% of known resources unencumbered by royalties

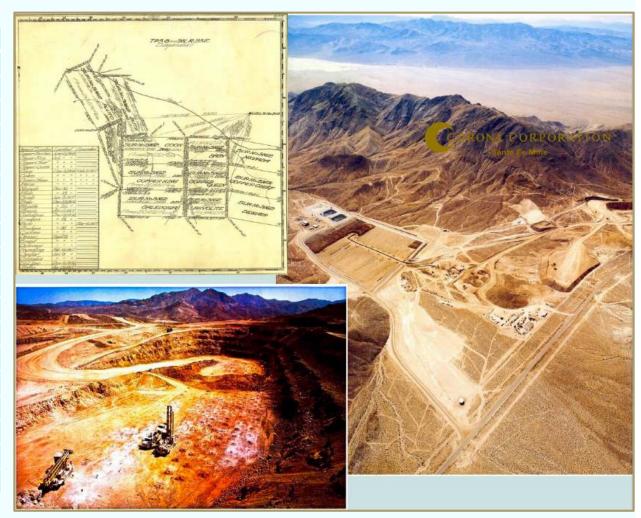






# Appendix Santa Fe Mine History

Company	Ownership Event	Year		
Cordero Mining Co.	Original Staking	1960		
Callahan Mining Co.	Option Agreement	1968		
<b>Bell Mountain Silver Mines</b>	Option Agreement	1971		
Westley Mines Ltd.	Option Agreement			
Bethlehem Mines	Option Agreement	1974		
Westley Mines Ltd.	Option Dropped by Bethlehem	1978		
Inco	Option Agreement	1978		
Westley Mines Ltd.	Option Dropped by Inco	1978		
Ventures West Mineral Ltd.	Takeover of Westley Mines Ltd.	1981		
Lacana Gold Inc.	Joint Venture with Brican Resources and Westley Mines Ltd.	1983		
Lacana Gold Inc.	Consolidation of Brican – Westley JV			
Corona Gold Corp.	Takeover of Lancana Gold Inc. and CoCa-Amax JV	1989		
Homestake Mining	Merger between Corona Gold Corp. and Homestake Mining	1992		
Barrick Gold Corp.	Merger between Homestake Mining and Barrick Gold Corp.	2001		
Gateway Gold Corp.	Option Agreement	2008		
Victoria Gold Corp.	Merger between Gateway and Victoria Gold Corp.	2008		
Victoria Gold Corp.	Property transfer agreement with Barrick	2012		
Lahontan Gold Corp.	Victoria Sale of Gateway Gold Subsidiary to Lahontan	2020		







# Appendix - Santa Fe Mine Mineral Resource Estimate

Table One: Project-wide Resources, Santa Fe Mine, Mineral County, Nevada

Resource Classification	Deposit	Zone	Cut-off Grade	Tonnes	Gold	Contained Gold	Silver	Contained Silver	Au Eq.	Contained Gold Equivalent
			(Au Eq., g/t)	(kt)	(Au, g/t)	(Au <u>k.oz</u> .)	(Ag, g/t)	(Ag <u>k.oz</u> .)	(Au Eq., g/t)	(Au Eq. oz.)
	Santa Fe	Oxide	0.15	19,386	0.68	424	4.79	2,983	0.70	435
		Non-Oxide	0.60	19,224	1.31	810	11.60	7,169	1.45	896
	Slab	Oxide	0.15	5,643	0.59	108	3.82	692	0.60	109
Indicated	Calvada	Oxide	0.15	4,077	0.72	94	2.54	332	0.73	95
indicated	East	Non-Oxide	0.60	63	1.38	3	0.41	1	1.38	3
	Total	Oxide	0.15	29,106	0.67	626	4.28	4,008	0.68	640
		Non-Oxide	0.60	19,287	1.31	813	11.56	7,170	1.45	899
	Total			48,393	0.92	1,439	7.18	11,177	0.99	1,539
Inferred	Santa Fe	Oxide	0.15	1,365	0.46	20	2.69	118	0.47	21
		Non-Oxide	0.60	3,847	1.49	185	4.63	573	1.55	192
	Slab	Oxide	0.15	714	0.54	12	7.26	167	0.56	13
	Calvada East	Oxide	0.15	1,600	0.64	33	2.86	147	0.65	33
	York	Oxide	0.15	2,272	0.57	41	0.72	53	0.57	41
	Calvada Central	Oxide	0.15	6,962	0.49	110	3.09	691	0.50	111
	Total	Oxide	0.15	12,912	0.52	216	2.83	1,176	0.53	219
		Non-Oxide	0.60	3,848	1.49	185	4.63	573	1.55	192
	Total			16,760	0.74	401	3.25	1,749	0.76	411



# Appendix - Continued

#### *Notes to Table 1:*

- <sup>1.</sup> Mineral Resources have an effective date of October 9, 2024. The Mineral Resource Estimate for the Santa Fe Mine was prepared by Trevor Rabb, P.Geo., of Equity Exploration Consultants Ltd., an independent Qualified Person as defined by NI 43-101.
- <sup>2.</sup> Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. Inferred Resources are considered too speculative geologically to have economic considerations applied to them that would enable them to be classified as Mineral Reserves. An Inferred Mineral Resource has a lower level of confidence than that applying to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that most of the Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.
- Resources are reported in accordance with NI43-101 Standards of Disclosure for Mineral Projects (BCSC, 2016) and the CIM Definition Standards for Mineral Resources and Mineral Reserves (CIM, 2014).
- <sup>4.</sup> Mineral Resources were estimated for gold, silver, and gold equivalent (Au Eq) using a combination of ordinary kriging and inverse distance cubed within grade shell domains.
- Mineral resources are reported using a cut-off grade of 0.15 g/t Au Eq for oxide resources and 0.60 g/t Au Eq for non-oxide resources. Au Eq for the purpose of cut-off grade and reporting the Mineral Resources is based on the following assumptions gold price of US\$1,950/oz gold, silver price of US\$23.50/oz silver, and oxide gold recoveries ranging from 45% to 79%, oxide silver recoveries ranging from 10% to 30%, and non-oxide gold and silver recoveries of 71%, mining costs for resource and waste of US\$2.50/t, processing cost (oxide) US\$3.49/t, processing cost (non-oxide) US\$25/t.
- An optimized open-pit shell was used to constrain the Mineral Resource and was generated using Lerchs-Grossman algorithm utilizing the following parameters: gold price of US\$1,950/oz gold, silver price of US\$23.50/oz silver, and selling costs of US\$29.25/oz gold. Mining costs for resource and waste of US\$2.50/t, processing cost (oxide) US\$3.49/t, processing cost (non-oxide) US\$25/t, G&A cost US\$1.06/t. Royalties for the Slab, York and Calvada deposits are 1.25%, and maximum pit slope angles of 50 degrees.
- 7. Totals may not sum due to rounding.



# Moho and Redlich

# Moho High Grade Au & Ag

- Large land package 11 square km, 35 km SW of Santa Fe, 100% owned by Lahontan
- High-grade, oxidized Tertiary
   Au-Ag-Pb-Zn epithermal veins
- Mining in the 1930's had grades from 20-25 g/t Au and 300 g/t Ag
- Core drilling in 2019 confirmed high-grade Au and Ag at depth









# Redlich Disseminated Ag

- Located 45 km south of Santa Fe
- Disseminated Ag hosted by
  Tertiary age epithermal veins and
  stockwork
- Drilling in 2018 discovered thick zones of disseminated Au and Ag mineralization hosted by hydrothermal breccia
- On strike with the Candelaria open pit Ag mine and completely untested by drilling

