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Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those contained in the forward-looking information or implied by forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. The Company undertakes no obligation to update of reissue forward-looking information or events except as required by applicable securities laws.

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

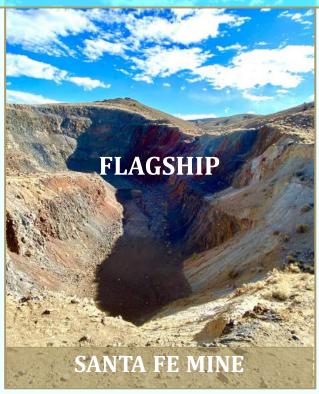
LARGE-SCALE GOLD OXIDE DEPOSITS

WALKER LANE, NEVADA USA

GOLD & SILVER ASSETS IN THE WALKER LANE



NEVADA #1
JURISDICTION IN THE
USA



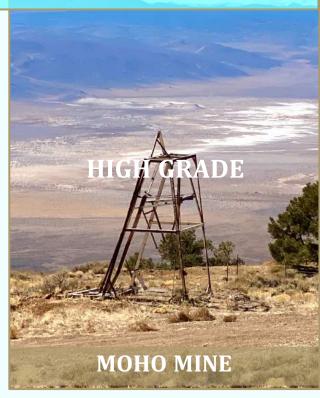
PAST PRODUCER

- HEAP LEACH GOLD & SILVER
 OPERATION
- o 1.7M OUNCES MRE
- OXIDE OXIDE OXIDE



SATALLITE ASSET

- OXIDE STARTS AT THE SURFACE
- o 13 K AWAY FROM OUR FLAGSHIP



HIGH GRADE GOLD & SILVER

- MULTIPLE VEIN SYSTEM
- HISTORIC GRADES 25 G/T GOLD
 & 300 G/T SILVER



WHY INVEST IN LAHONTAN

NEVADA

- o # 1 Jurisdiction in the USA
- o Straight Forward Permitting

SIZE & SCALE

- o +1.7 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 Mine is a mine under closure-enables fast-track back to production

MANAGEMENT & BOARD - PROVEN TRACK RECORD

 Strong support, Victoria Gold 34% stakeholder, Management ownership 10%



TSX.V-LG; OTCQB-LGCXF



MANAGEMENT & BOARD



KIMBERLY ANN, FOUNDER, DIRECTOR, CEO, PRESIDENT



BRIAN MAHER, FOUNDER, VICE PRESIDENT – EXPLORATION



JOHN MCNEICE, CHIEF FINANCIAL OFFICER



JOHN MCCONNNELL CHAIR



CHRIS DONALDSON, INDEPENDENT DIRECTOR



JOSH SERFASS, INDEPENDENT DIRECTOR



BOB MC KNIGHT, INDEPENDENT DIRECTOR

100% Controlled SANTA FE MINE

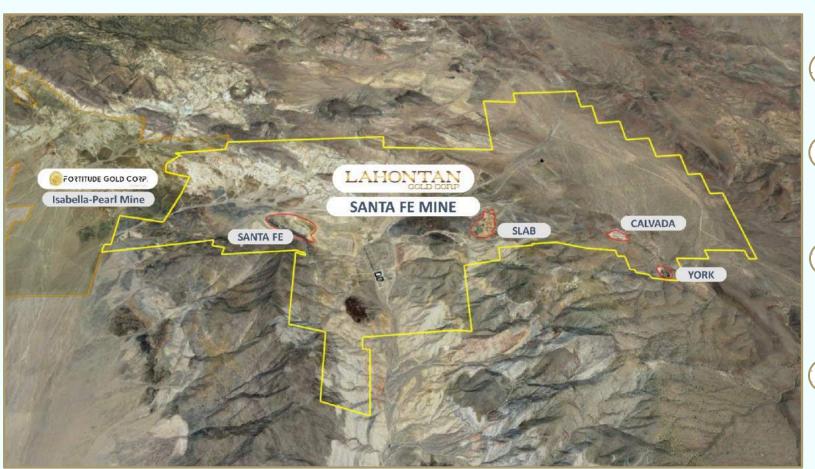
Five Known Deposits



MAIDEN RESOURCE ESTIMATE 2023

1.11 MILLION OUNCES INDICATED AND

0.55 MILLION OUNCES INFERRED PIT CONSTRAINED RESOURCE*



SANTA FE LAND PACKAGE & NEIGHBORS

*Please see Appendix One for detailed Mineral Resource Estimate.

AVERAGE GRADE 1.12 G/T Au Eu

2 INDICATED AND INFERRED RESOURCES

- Occur in five separate deposits
- Resource constrained by conceptual pits

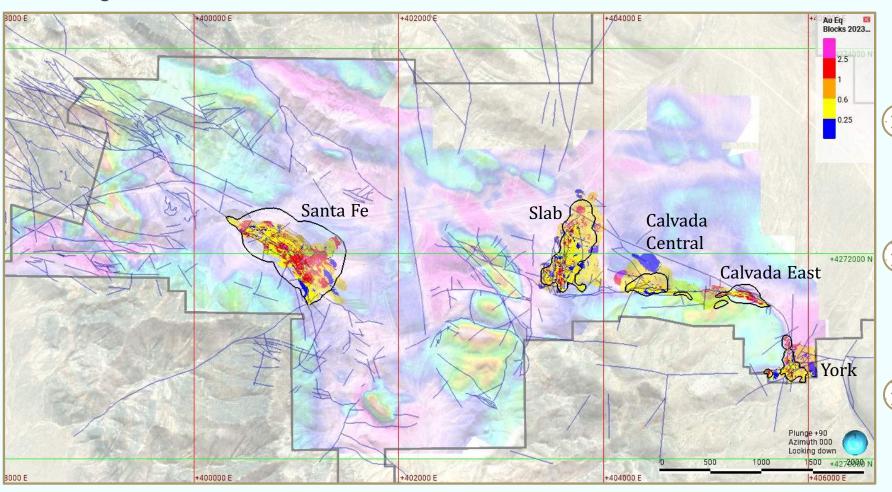
OXIDE DOMAIN RESOURCES

- o 64% of the Indicated Au Eq ounces (712k oz grading 1.03 g/t Au Eq);
- 48% of the Inferred Mineral Resources (262k ounces grading 0.73 g/t Au Eq) *

4 HISTORIC PRODUCTION BREAKDOWN

- o 345,499 ounces Au
- o 710,629 ounces of Ag with 1.1 g/t Au Eq average grade (NBMG, 1996)

SANTA FE MINE UNIQUE GEOLOGIC SETTING



MULTIPLE TARGETS YET TO BE TESTED

*Please see Appendix One for detailed Mineral Resource Estimate.

WHAT TO KNOW

SANTA FE MINE

- 1) TRIASSIC CALCAREOUS HOST ROCKS
 - All five deposits hosted by same rock types
- 2 KEY STRUCTURIAL DEMAINS
 - NW, northerly and easterly faults
 - All favorable for Au & Ag mineralization
- 3 OPEN, OPEN, OPEN
 - Open between deposits, along strike, and at depth



WHAT TO KNOW

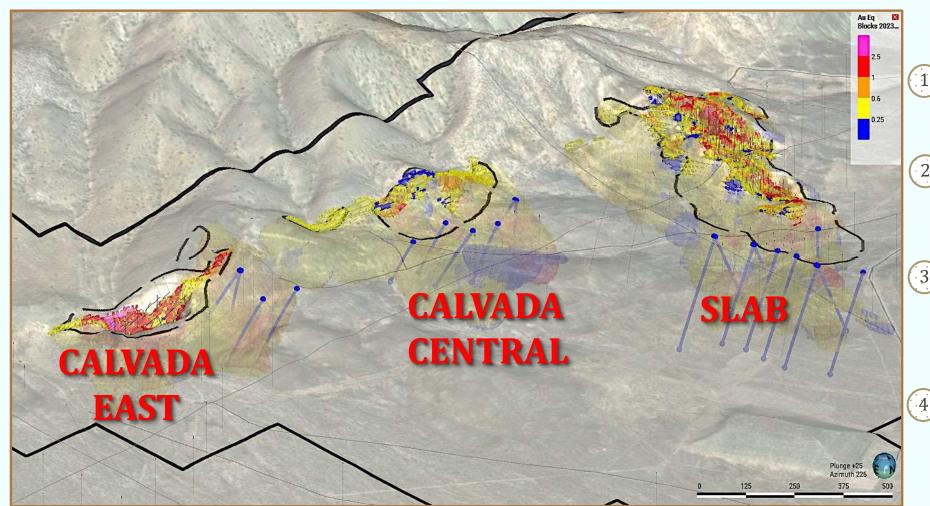
SANTA FE MINE

- **SANTA FE PIT OXIDES**
 - o 573,000 Au Eq oz Indicated
 - 186,000 Au Eq oz Inferred
- +1 g/t OXIDE GOLD
 - Mineralization crops out in the pit bottom and high-wall
- **2024 FUTURE DRILLING**
 - o Defining how big the pit will become!





SLAB CALVADA COMPLEX EXPLORATION DRILL HIGHLIGHTS FROM 2023



MULTIPLE TARGETS YET TO BE TESTED

*Please see Appendix One for detailed Mineral Resource Estimate.

0 10

TSX.V-LG; OTCQB-LGCXF

WHAT TO KNOW

SANTA FE MINE

(1) RELEASED MAIDEN MRE 2023

o 1.7 Million ounces

(2) RESOURCE EXPANSION DRILLING

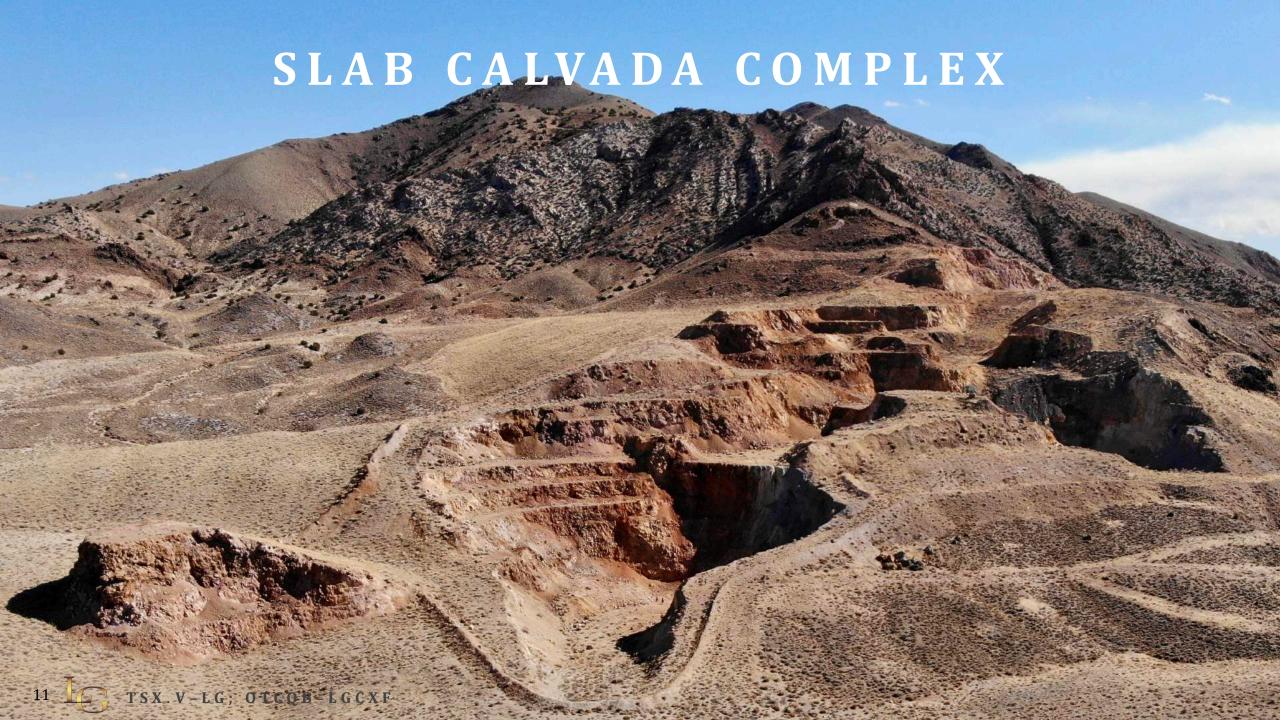
 Completed +3500 metres focused on oxide ounces starting at the surface

HIGHLIGHTS INCLUDE

38.1 metres grading 0.89 g/t Au
 Eq of oxide in CAL23-004

82.3 metres grading 0.70 g/t Au
 Eq of oxide in CAL13-001R

4 PEA TO BEGIN Q2 2024

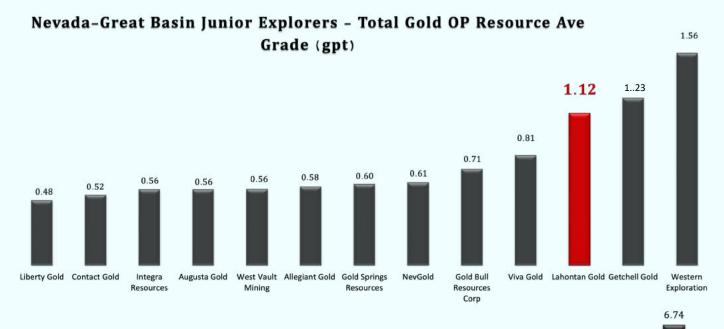


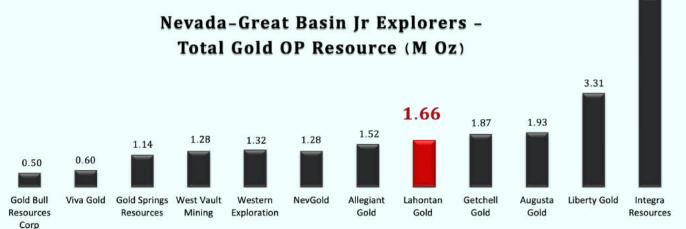
How do our ounces compare to our peers?

LG OPEN PIT RESOURCE GRADES

- Rank among the highest-grade in Nevada & Great Basin for explorers when compared to open-pit (OP) heap leach projects
- **MAIDEN RESOURCE SHOWS**
 - 1.7M ounce Au deposit* with **multi**million- ounce potential
- **HOW BIG IS SANTA FE???**

NEVADA JUNIOR EXPLORERS SNAPSHOT BY GRADE AND OUNCES "OPEN PIT"







SANTA FE DISTRICT 2024 BASELINE STUDIES & PLAN OF OPERATION

WHAT TO KNOW

SANTA FE MINE

BASE LINE STUDIES

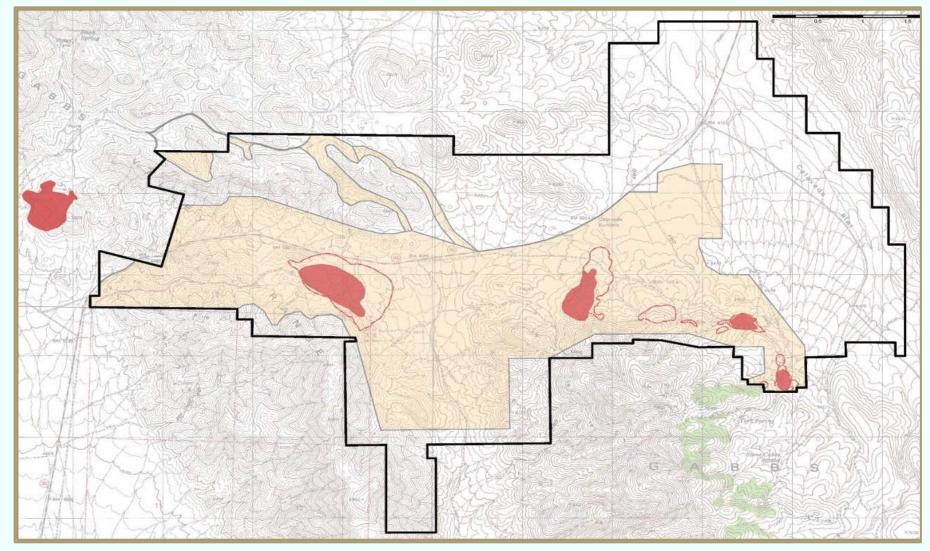
- Utilized in a Plan of Operations ("POO") covers a 12.2 km² area
- Includes studies of botanical, raptor, cultural resources

Pathway to Production & Resource Expansion

This permits allows LG to streamline the process back into production & drill project wide

EXPLORATION CONTINUES

During POO process drilling can continue under a (NOI) Notice of Intent



SETTING THE STAGE FOR FUTURE EXPLORATION

SANTA FE TIMELINE 2024 BASELINE STUDIES & PLAN OF OPERATION

MAY 2023

- o Baseline Surveys and EPO Preparation
- Nexus Prepares and Submits Project Description to the BLM

JUNE 2023

 Nexus Conducts Raptor Surveys and Reporting

APRIL 2024

- LG Review of Resource Baseline Analysis and Biological Work Plan
- o BLM Review Cultural Resource Report

SEPTEMBER 2024

o Nexus Submits Final Biological Baseline Report to BLM

NOVEMBER 2024

o EPO and Baselines deemed complete by BLM

MAY 2023

- Nexus conducts biological baseline studies as per BLM guidance
- Kautz conducts cultural resource surveys

FEB 2024

- o Kautz Prepared Cultural Resource Report
- Nexus Conducts Raptor Surveys and Reporting
- Nexus Conducts Resource Baseline Analysis and Prepares Biological Work Plan

AUGUST 2024

- o BLM Reviews Revisions to Cultural Resources Report
- SHPO Review and Concurrence of Cultural Resource Report
- o BLM and NDEP Review of EPO and RCE
- Nexus Prepares Biological Baseline Report

DECEMBER NEPA PROCESS BEGINS 2024





EXTENSIVE MET TESTING REPORT 2024

METALLURGY REVIEW BY KAPPES CASSADY (KCA):

Project	Bottle Roll Tests	Column Tests			
breakdown					
Santa Fe	32	25			
Slab	30	5			
Calvada East	45	8			
York	15	3			

1

ESTIMATED WEIGHTED PROJECT

 Wide gold recoveries of 74.4% for gold and 29.0% for silver at a ½-inch crush size

 $\left(2\right)^{\frac{1}{2}}$

TEST HEAP

1,860-ton crushed and agglomerated test heap of Santa Fe
 pit mineralization yielding a 73.8% overall gold recovery

(3)

KCA RECOMMENDS

 KCA recommends four additional column tests for Slab and Calvada mineralization to optimize crush size

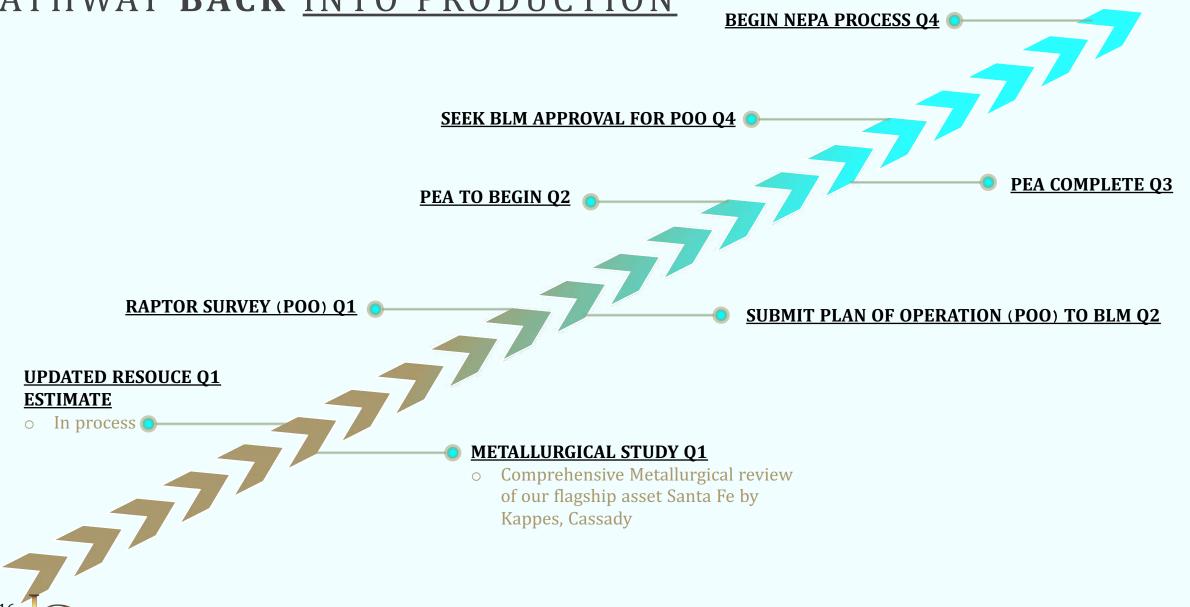


MET TESTING AGREES!!!!

Met testing data agrees well with historic recoveries

SANTA FE MINE 2024 PATHWAY BACK INTO PRODUCTION

TSX.V-LG; OTCQB-LGCXF





WEST SANTA FE OXIDE OXIDE OXIDE

WHAT TO KNOW

WEST SANTA FE

1 LOCA

LOCATION LOCATION LOCATION

- Located only 13 km west of the Flagship Santa Fe
 Mine
- 2 DISTRICT SCALE LAND PACKAGE
- 3

SIGIFICANT HISTORIC DATABASE

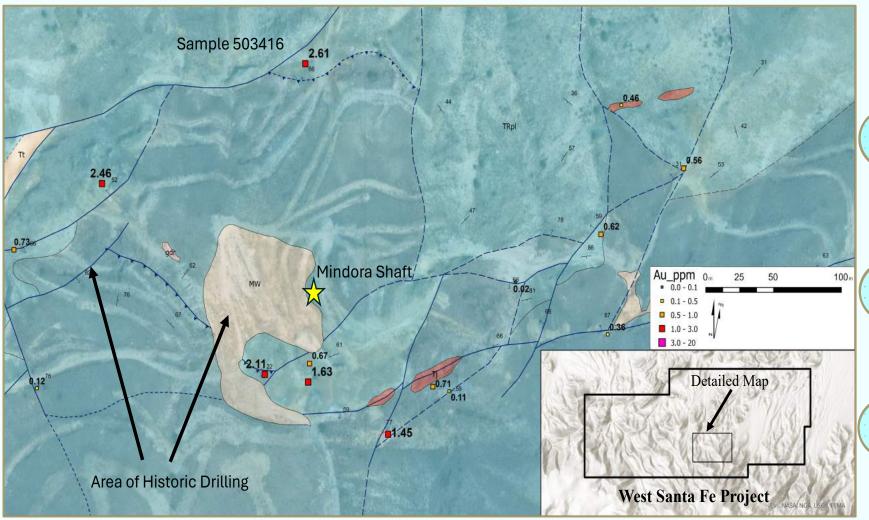
- Outlines a shallow oxide Au & Ag deposit of + 0.5-1.0M ounces starting at surface*
- 4

SANTA FE LOOK-A-LIKE

Open-pit mining configuration with low-cost potential as a satellite to Santa Fe

*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 fault 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

3 HIGH GRADE SILVER

 Historic drilling underscore the importance of Ag at West Santa Fe





WEST SANTA FE LOW-COST OPTION AGREEMENT

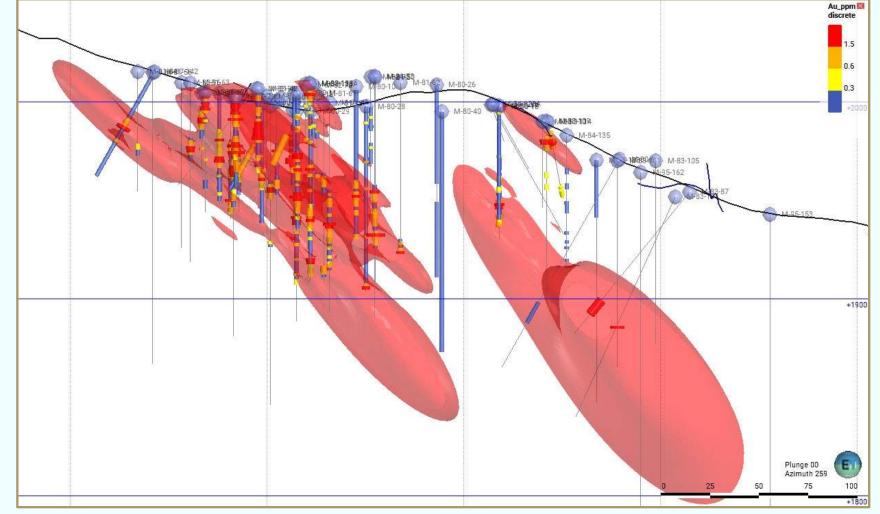
- OPTION AGREEMENT TO ACQUIRE 100% OF THE PROPERTY
 - Back-end loaded payments for seven years can be made with combination of shares and cash
 - o Total Buyout \$1.8M
- MODEST EXPLORATON COMMITMENT AS PER THE AGREEMENT
 - Total expenditures over seven years \$1.4M sufficient to define maiden mineral resource estimate
- 3 2% royalty with 1%; buydown for \$200,000

WEST SANTA FE EXCELLENT RESOURCE GROWTH POTENTIAL

WHAT TO KNOW

WEST SANTA FE

- **DRILLING TO DATE**
 - Au & Ag begins at surface
 - Mineralization continues down-rake
 - All Oxide
- 0.31 G/T AU SHELL OUTLINE
 - Look alike to Santa Fe
 - Possible low-cost satellite operation
 - Historic drilling shows a large mineralized system of Au & Au*
- PLANNED DRILL PROGRAM
 - 3000 metres of drilling planned
 - Maiden resource planned



*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.



LAHONTAN'S KEY CATYLIST 2024

1 ✓ METALLURGICAL REPORT FROM KAPPES CASSADY

- 2

 EXTENSIVE MAPPING & SAMPLING AT WEST SANTA FE

 Drill West Santa Fe
- 3 SUBMIT PLAN OF OPERATION (POO) Q2

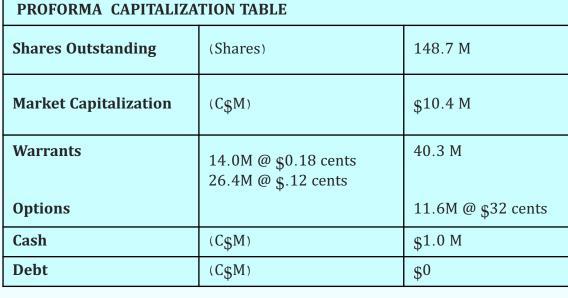
4 PEA ON SANTA FE Q3

LAHONTAN GOLD SHARE STRUCTURE



Key Shareholders:

- Victoria Gold
- KA Gold
- **ASA**
- **APAC**
- **Palos**
- Goodman







Average \$20 in market capitalization per resource ounce*



*Source: Stockwatch, January 8, 2024; Company disclosure

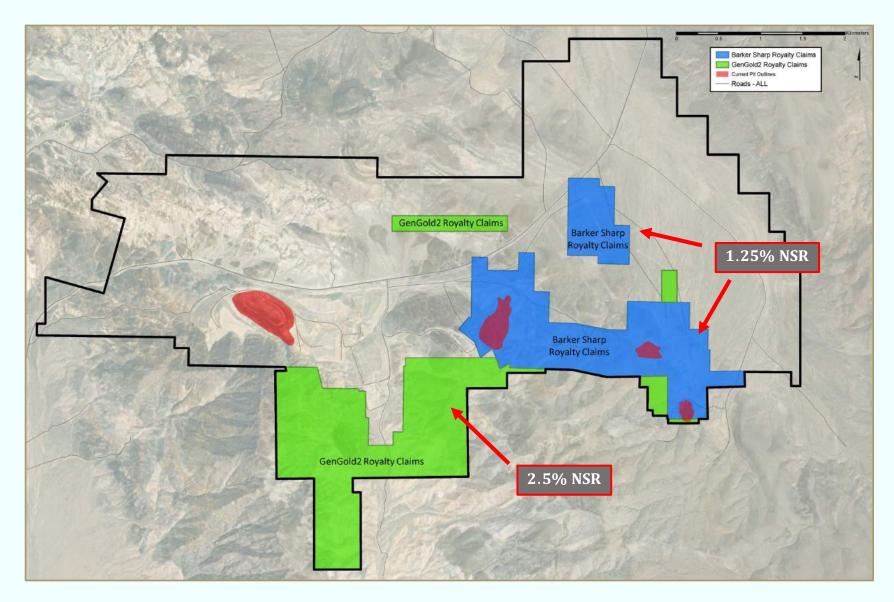


Appendix - Santa Fe Mine Royalties

26.4 km² LAND PACKAGE

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

Over 85% of known resources unencumbered by royalties



SANTA FE MINE PROJECT NOW 26.4km²

WHAT TO KNOW

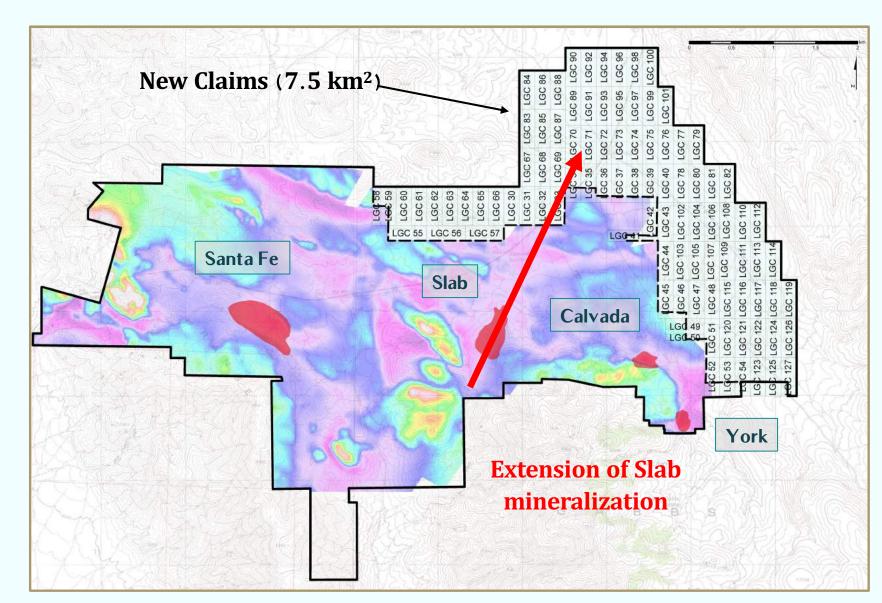
SANTA FE MINE

26.4 km² Land Package:

- 389 unpatented lode mining claims, 67 unpatented mill site clams
- 24 patented lode mining claims. All 100% owned or controlled by Lahontan

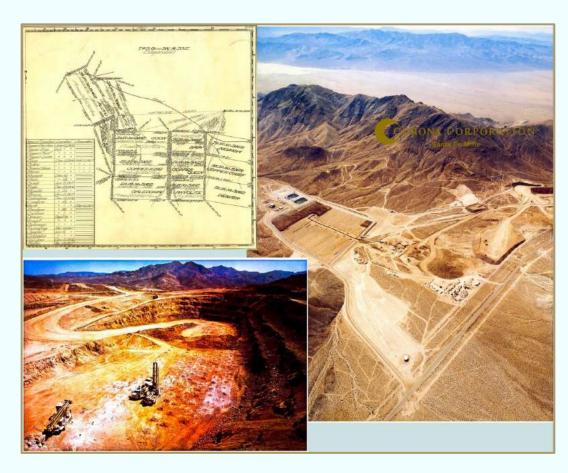
NEW UNPATENETED LODE CLAIMS:

- o 98 unpatented lode mining claims cover potential extensions to Slab Au & Ag resources
- New claims acquired by lowcost staking cover 7.5 km².
- Flat terrain ideal for heap leach pads and mine infrastructure



Company	Ownership Event	Year
Cordero Mining Co.	Original Staking	1960
Callahan Mining Co.	Option Agreement	1968
Bell Mountain Silver Mines	Option Agreement	1971
Westley Mines Ltd.	Option Agreement	1971
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	1986
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 History



Appendix — Santa Fe Mine Mineral Resource Estimate

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

Resource Classification	Deposit	Ore Type	Cut-off Grade	Tonnes	Gold	Contained Gold	Silver	Contained Silver	Gold Equivalent	Contained Gold Equivalent
			(Au Eq., g/t)	(kt)	(Au, g/t)	(Au k.oz.)	(Ag, g/t)	(Ag k.oz.)	(Au Eq., g/t)	(Au Eq. k. oz.)
	Santa Fe	Oxide	0.25	16,274	1.01	529	9.51	4,977	1.10	573
		Non-Oxide	0.60	8,792	1.27	360	11.36	3,210	1.41	399
	Slab	Oxide	0.25	4,000	0.74	95	3.05	392	0.76	98
		Non-Oxide	0.60	-	-	-	-	-	0.00	-
Indicated	Calvada East	Oxide	0.25	1,314	0.94	40	1.87	79	0.95	40
		Non-Oxide	0.60	21	1.08	1	0.78	1	1.09	1
	Total	Oxide	0.25	21,587	0.96	664	7.85	5,448	1.03	712
	IOtal	Non-Oxide	0.60	8,813	1.27	360	11.33	3,211	1.41	400
	Total			30,400	1.05	1,024	8.86	8,658	1.14	1,112
	Santa Fe	Oxide	0.25	7,462	0.74	177	4.28	1,027	0.77	186
		Non-Oxide	0.60	5,863	1.45	273	4.08	768	1.50	283
	Slab	Oxide	0.25	290	0.52	5	5.22	49	0.57	5
		Non-Oxide	0.60	1	-	-	-	-	-	-
	Calvada East	Oxide	0.25	39	0.85	1	2.70	3	0.88	1
		Non-Oxide	0.60	1	-	-	-	-	-	-
Inferred	York	Oxide	0.25	1,094	0.72	25	0.48	17	0.73	26
		Non-Oxide	0.60	-	•	-	-	-	-	-
	Calvada Central	Oxide	0.25	2,256	0.57	42	3.54	256	0.61	44
		Non-Oxide	0.60	-	-	-	-	-	-	-
	Total	Oxide	0.25	11,141	0.70	250	3.78	1,352	0.73	262
		Non-Oxide	0.60	5,866	1.45	274	4.07	768	1.50	283
	Total			17,007	0.96	523	3.88	2,121	1.00	545

Appendix - Continued

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

Resource Classification	Deposit	Ore Type	Cut-off Grade	Tonnes	Gold	Contained Gold	Silver	Contained Silver	Au Eq.	Contain Gold Equivalent
			(Au Eq., g/t)	(kt)	(Au, g/t)	(Au k.oz.)	(Ag, g/t)	(Ag k.oz.)	(Au Eq., g/t)	(Au Eq. k. oz.)
Indicated	Santa Fe	Oxide	0.25	16,274	1.01	529	9.51	4,977	1.10	573
	Slab			4,000	0.74	95	3.05	392	0.76	98
	Calvada East			1,314	0.94	40	1.87	79	0.95	40
	Total			21,587	0.96	664	7.85	5,448	1.03	712
Inferred	Santa Fe	Oxide	0.25	7,462	0.74	177	4.28	1,027	0.77	186
	Slab			290	0.52	5	5.22	49	0.57	5
	Calvada East			39	0.85	1	2.70	3	0.88	1
	York			1,094	0.72	25	0.48	17	0.73	26
	Calvada Central			2,256	0.57	42	3.54	256	0.61	44
	Total			11,141	0.70	250	3.78	1,352	0.73	262

Notes to Tables One and Two:

- 1. Mineral Resources have an effective date of December 7, 2022. 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.
- 2. 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 Resource. It is reasonably expected that most of the Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.
- 3. 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).
- 4. Mineral Resources were estimated for gold and silver using a combination of ordinary kriging and inverse distance cubed within grade shell domains.
- 5. Mineral resources are reported using a cut-off grade of 0.25 g/t AuEq for oxide Resources and 0.60 g/t AuEq for non-oxide Resources. AuEq for the purpose of cut-off grade and reporting the Mineral Resources is based on the following assumptions gold price of US\$1,770/oz gold, silver price of US\$22.00/oz silver, and oxide gold recoveries ranging from 77% to 60%, oxide silver recoveries ranging from 40% to 55% and non-oxide gold and silver recoveries of 71%.
- 6.An optimized open-pit shell was generated using Lerchs-Grossman algorithm to constrain the Mineral Resources utilizing the following parameters: gold price of US\$1,770/oz gold, silver price of US\$2/oz silver, gold selling costs of US\$56/oz gold, and silver selling costs of US\$3/oz silver. Mining costs for ore and waste of US\$2.20/t, crushing cost of US\$2.71/t, processing cost (oxide) US\$6.80/t, processing cost (non-oxide) US\$25/t, G&A cost US\$3.99/t. Royalties for the Slab, York and Calvada deposits are 1.25%, and maximum pit slopes of 50 degrees.
- 7. Totals may not sum due to rounding.
- 8. Please see Santa Fe Mine project Technical Report available on SEDAR or the Company's website.

