



SMI CONFERENCE MARCH 2022



FORWARD LOOKING STATEMENTS

DISCLAIMER

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning the Company and should be read in conjunction with all other disclosure documents of the Company. The information contained herein is not a substitute for detailed investigation or analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented.

FORWARD-LOOKING STATEMENTS

This presentation contains statements and information that constitute forwardlooking information within the meaning of Canadian securities legislation, referred to herein as "forward-looking statements", include statements regarding proposed exploration and development activities and their timing, resource estimates, exploration potential and the PEA, including estimates of capital and sustaining costs, anticipated internal rates of return, mine production, estimated recoveries, mine life, estimated payback period and net present values, opportunities to enhance the value of the Tuvatu Gold Project and other plans and objectives of the Company. In making the forward-looking statements herein, the Company has applied several material assumptions, including that (1) required approvals, permits and financing will be obtained; (2) the proposed exploration and development of the Company's properties will proceed as planned and that actual results will be consistent management's expectations; (3) with respect to mineral resource estimates, the key assumptions and parameters on which such estimates are based; (4) market fundamentals will result in sustained metals and minerals prices; and (5) with respect to the PEA, the assumptions underlying the PEA, that the proposed mine plan and recoveries will be achieved, that capital costs and sustaining costs will be as estimated and that no unforeseen accident, fire, ground instability, flooding, labor disruption, equipment failure, metallurgical, environmental or other events that could delay or increase the cost of development will occur.

Forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ from those expressed or implied by the forward-looking statements, including: delays or inability to obtain required government or other regulatory approvals, permits or financing, the risk of unexpected variations in mineral resources, grade or recovery rates, of failure of plant, equipment or processes to operate as anticipated, of accidents, labor disputes, and unanticipated delays in completing exploration and development activities, the risk that estimated costs will be higher than anticipated and the risk that the proposed mine plan and recoveries will not be achieved, bad weather, exploration and development risks, actual results of exploration and/or development activities being materially different from those expected by management; uncertainties related to interpretation of drill results and geological tests, failure to meet expenditure and financing requirements, title matters, third party consents, operating hazards, metal prices, political and economic factors, competitive factors and general economic conditions. Actual results may vary from those implied or projected by forward-looking statements and therefore investors should not place undue reliance on such statements. The forward-looking statements herein are made as at the date of this presentation and the Company expressly disclaims any intention or obligation to update or revise any forward-looking statements except as required by applicable securities legislation.

TECHNICAL DISCLOSURE

The technical information in this presentation has been approved by Sergio Cattalani, P,Geo., Senior Vice President, Exploration of the Company and a Qualified Person as defined by National Instrument "NI" 43-101 Standards of Disclosure for Mineral Projects .

CAPITAL SUMMARY



MAJOR INVESTORS

FRANKLIN PRECIOUS METALS (9.58%)
DONALD SMITH VALUE FUND (7.51%)
INVESCO GOLD FUND (4.82%)
RBC GLOBAL PRECIOUS METALS
CI PRECIOUS METALS
AEGIS VALUE FUND
GABELLI GOLD FUND
MACKENZIE PRECIOUS METALS
CEO WALTER BERUKOFF (13%)



Shares Outstanding	156,371,893
Options	8,580,000
Broker Warrants	1,303,010
Warrants	0
Shares Fully Diluted	166,254,903
Working Capital	CAD\$45M
Market Capitalization	\$191M*
* As of Mar 21, 2022 @ \$1.15 per share	

CANADA USA AUSTRALIA
TSX-V: LIO OTCQX: LOMLF ASX: LLO

LIO: \$1.15 52wk: \$1.44 \$0.97 Avg. vol: 74k

LEADERSHIP





Walter Berukoff Chairman & CEO

COMPANY BUILDER TRACK RECORD

Northern Orion sold to Yamana in 2007 for \$1.1B Miramar Mining sold to Newmont in 2008 for \$1.5B La Mancha sold in 2012 for \$600M

Emperor Gold Mines Fiji Gold Assets (Vatukoula & Tuvatu) purchased in 2008. Lion One Metals Limited created in 2011

DIRECTORS

RICHARD MELI CA., EX-RIO TINTO, LA MANCHA KEVIN PUIL CFA RIVI ADVISORS DAVID TRETBAR PGEO SUMMIT USA (SUMITOMO)

MANAGEMENT

PATRICK HICKEY, COO EX-NEWMONT, KINROSS SERGIO CATTALANI, SVP EXPLORATION EX OSISKO

TONY YOUNG, CA CFO HAMISH GREIG, VP, CORP. SECRETARY

MINING DIVISION





Patrick Hickey
Chief Operating Officer
Engineer, mine builder, Ex
Newmont/Kinross



Kevin LiProject Manager
Engineer – Formerly Fluor, SNC
Lavalin, Saskpower, Pretium





Lion One Fiji Team

Over 200 years combined
experience in underground mining,
geology, drilling, and mineral
exploration

EXPLORATION DIVISION





Sergio Cattalani Senior VP, Exploration Economic geologist, Ex-Osisko Mining, Inco-CVRD, Equinox Gold

Will Ostrenga, P.GeoEconomic geologist,
Ex-Sumitomo, Novo Resources

Quinton Hennigh, P.GeoEconomic geologist,
Ex-Newmont, Novo Resources



ASSAY LAB



6 DRILL RIGS

HIGH GRADE GOLD IN FIJI



Fiji Islands situated along the Pacific Ring of Fire



Project located 40km SW of Vatukoula Gold Mine

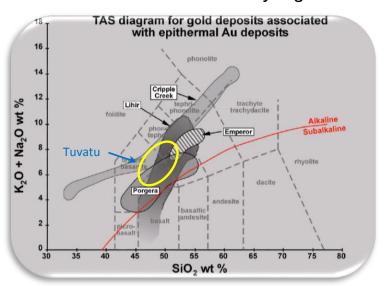


ALKALINE GOLD SYSTEMS SILION ONE

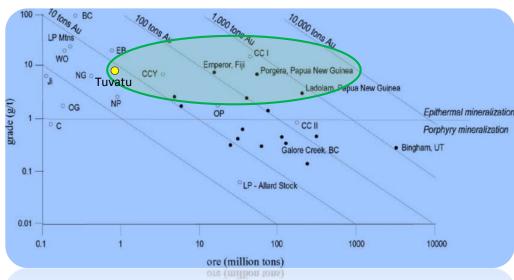


ALKALINE GOLD SYSTEMS In the South Pacific

Small in Number but Economically Significant



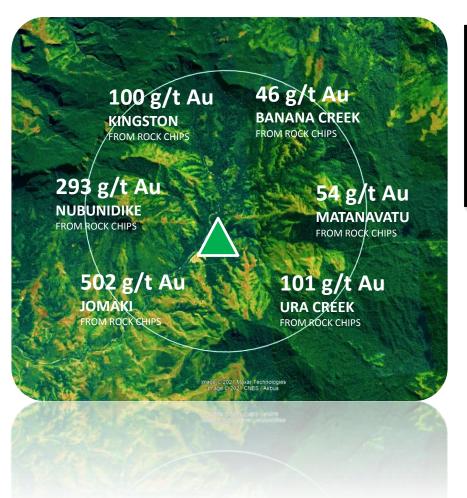
Unusually Large, Unusually High Grade



modified from Jensen, E.P. and Barton, M.D. 2000 Gold Deposits Related to Alkaline Magmatism, SEG Reviews, v. 13, Chapter 8, pp. 279-314

NAVILAWA CALDERA





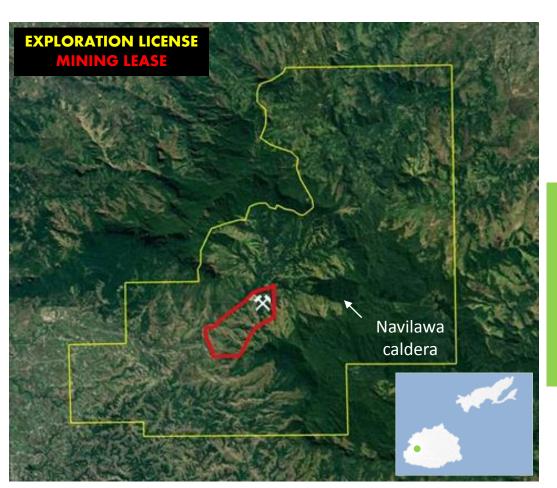


TUVATU
Current Resource (3.0 g/t cutoff)
274,600 oz. indicated @ 8.48 g/t Au
384,000 oz. inferred @ 9.00 g/t Au



TUVATU PROJECT



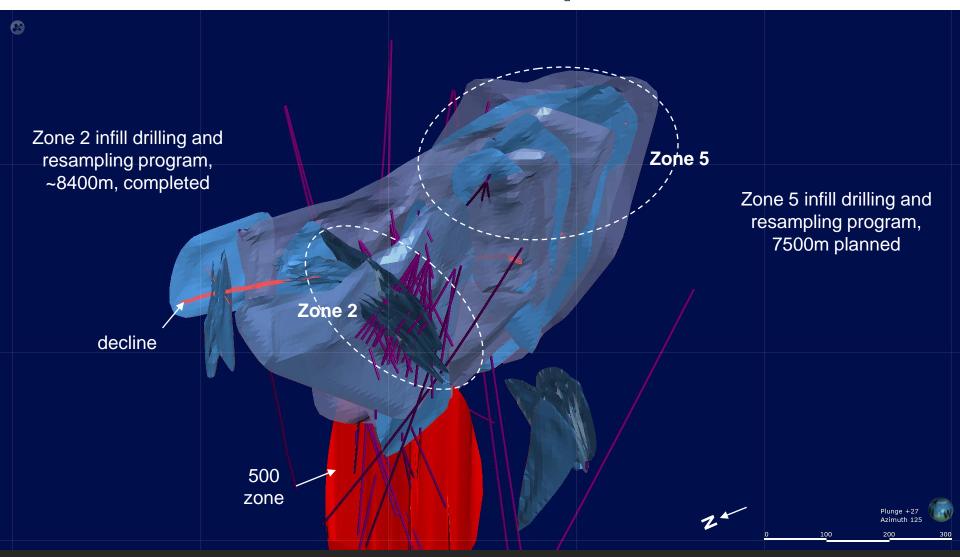


LOCATED 40KM SW OF
VATUKOULA WITH
11M OZ MINERAL INVENTORY

EXPLORATION STRATEGY

- 1. RESOURCE EXPANSION
- 2. DEPTH EXTENSIONS
- 3. REGIONAL TARGETS

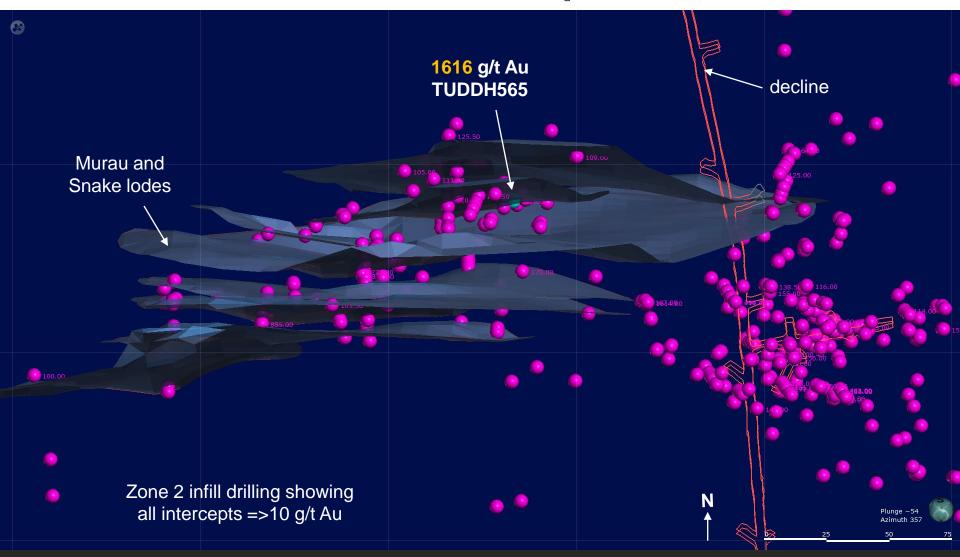




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TSX-V: LIO OTCQX: LOMLF

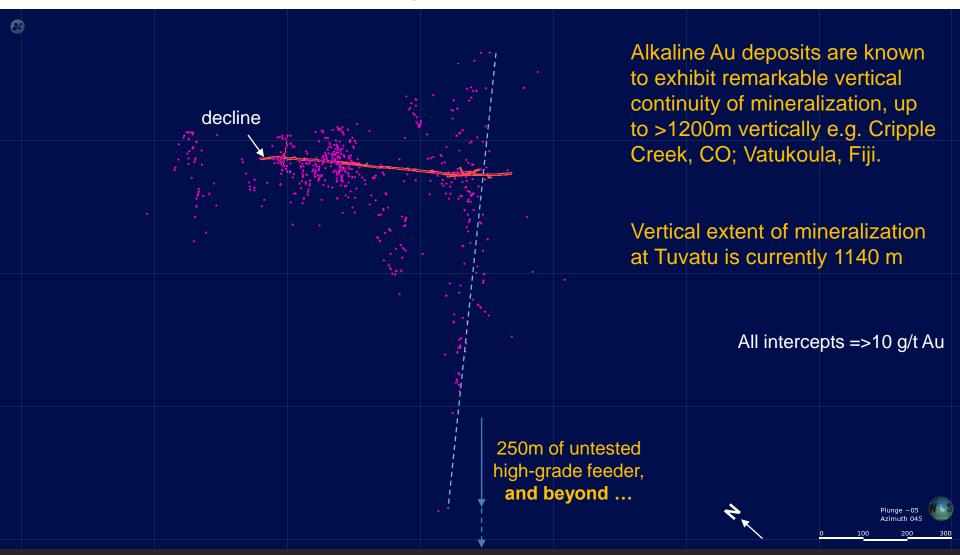




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TSX-V: LIO OTCQX: LOMLF



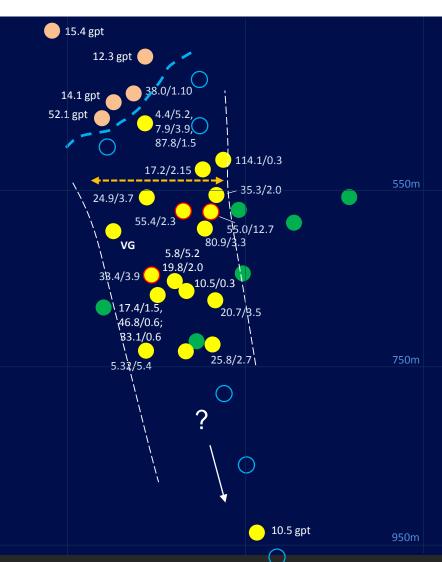




500 Zone drilling to date (3 g/t cutoff)

- 150m x 250m and average width of 2.6m
- average grade of 24.7 g/t Au!
- represents ~210 koz Au or ~30% increase to the current resource

- mineralization is known to occur at least another ~350m lower
- remains largely untested



VG-bn





DDH 500 55.43 g/t Au over 12.7m from 571.0m



DDH 533 55.44 g/t Au over 2.30m from 575.7m

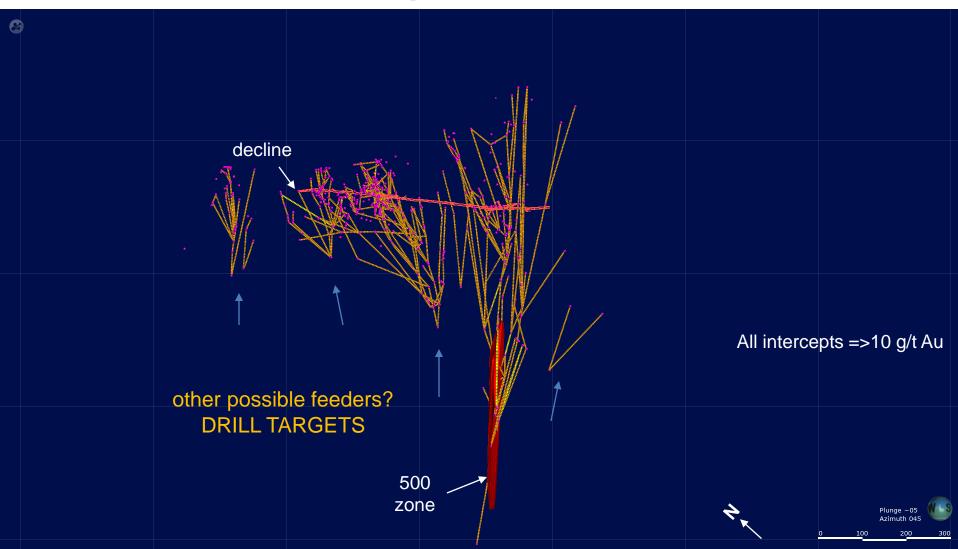


DDH 544W2 33.40 g/t Au over 3.90m from 629.3m



DDH 494 reentry 1106m





TSX-V: LIO OTCQX: LOMLF

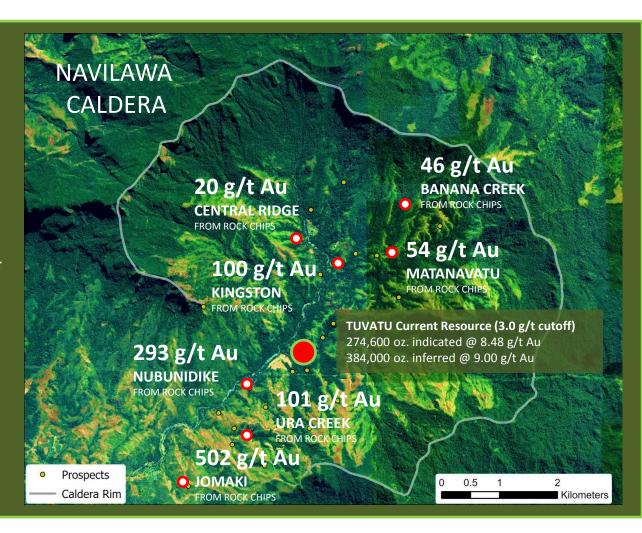
EXPLORATION UPSIDE



HIGH GRADE GOLD ACROSS 7KM WIDE NAVILAWA CALDERA

DRILLED RESOURCE AREA COVERS LESS THAN 5% OF LICENSE AREA

TARGET RICH DRILLING PIPELINE



MINE DEVELOPMENT



PERMITS ARE IN PLACE FOR UNDERGROUND MINING OPERATIONS

DEVELOPMENT OF NO. 2 UNDERGROUND ACCESS PORTAL UNDERWAY

MOBILE MINING EQUIPMENT FLEET HAS BEEN PURCHASED OR DELIVERED

EXPECTED UG DEV RATE OF 2M/DAY





MILL DESIGN & CONSTRUCTION



DETAILED ENGINEERING & PROCUREMENT UNDERWAY

DESIGN PROCESS COMPLETED FOR SCALABLE MILL FACILITY

INSTALLATION & INITIAL PRODUCTION PLANNED FOR Q3 & Q4 2023







PROJECT INFRASTRUCTURE



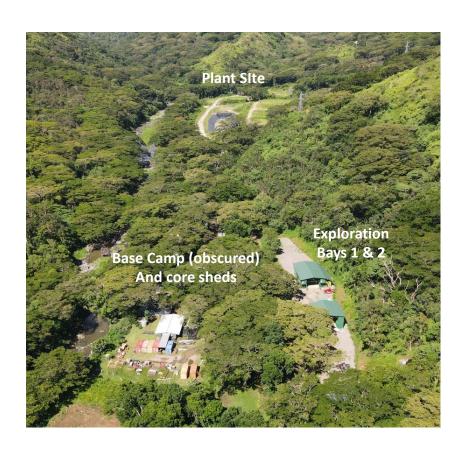
MINESITE INFRASTRUCTURE

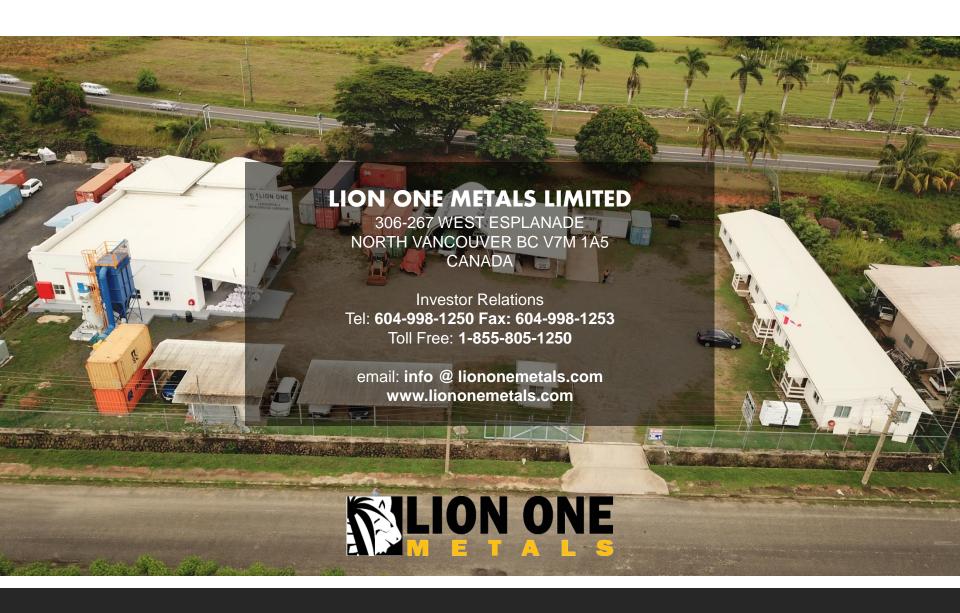
Contracts are complete or in final negotiation for all infrastructure including:

- 1. Offices
- 2. Water supply and waste-water treatment.
- 3. Power
- 4. Tailings
- 5. Mine Explosives Magazine
- 6. Communications including fiber-optic access

ERP SYSTEMS IMPLEMENTATION

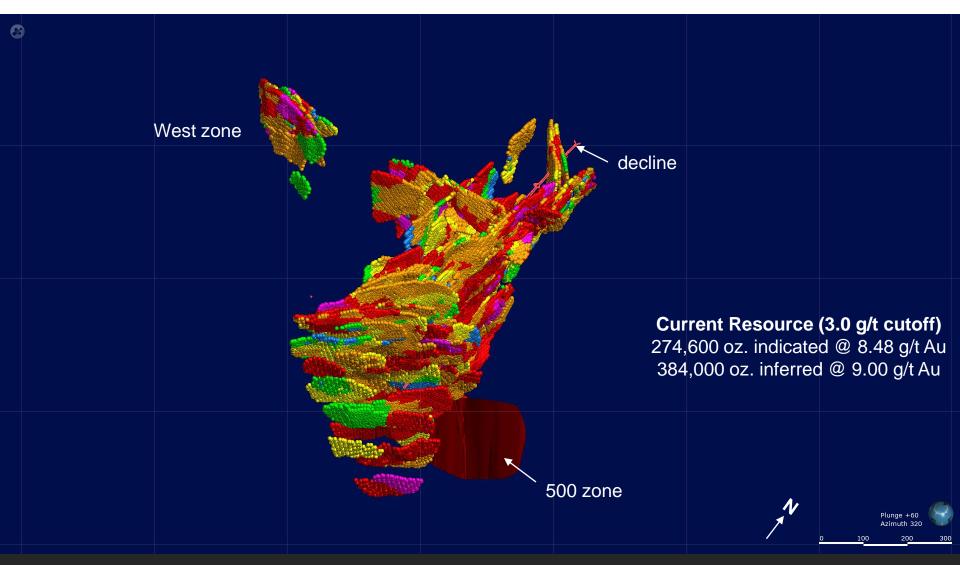
Lion One is Implementing fully integrated HRIS and Enterprise Resource Platforms (ERP) for Accounting, Supply Chain, Maintenance, Inventory, cost control and Personnel tracking.



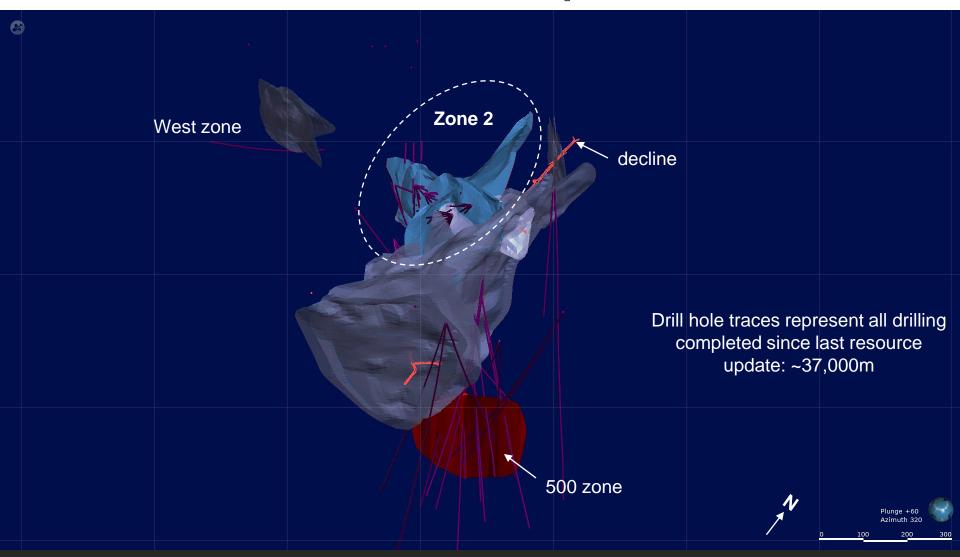


TUVATU DEPOSIT





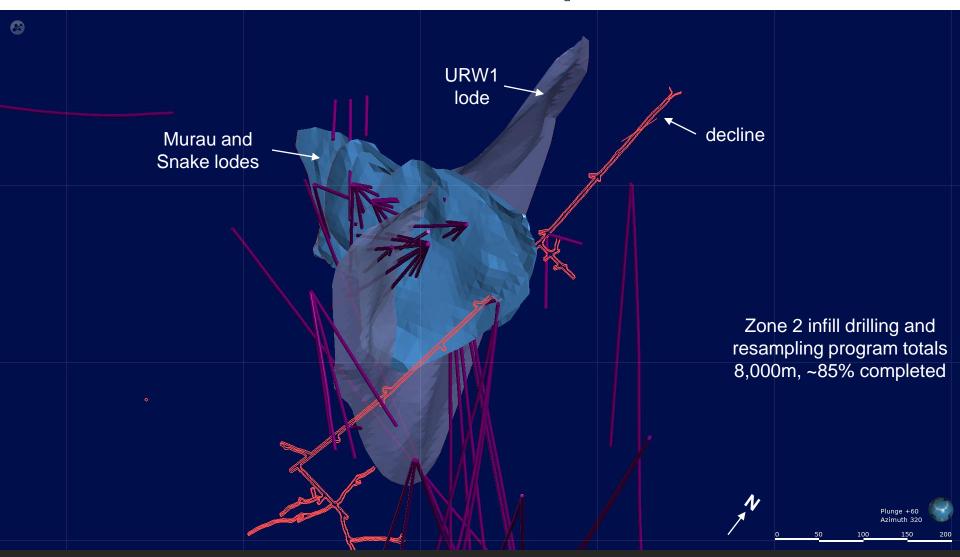




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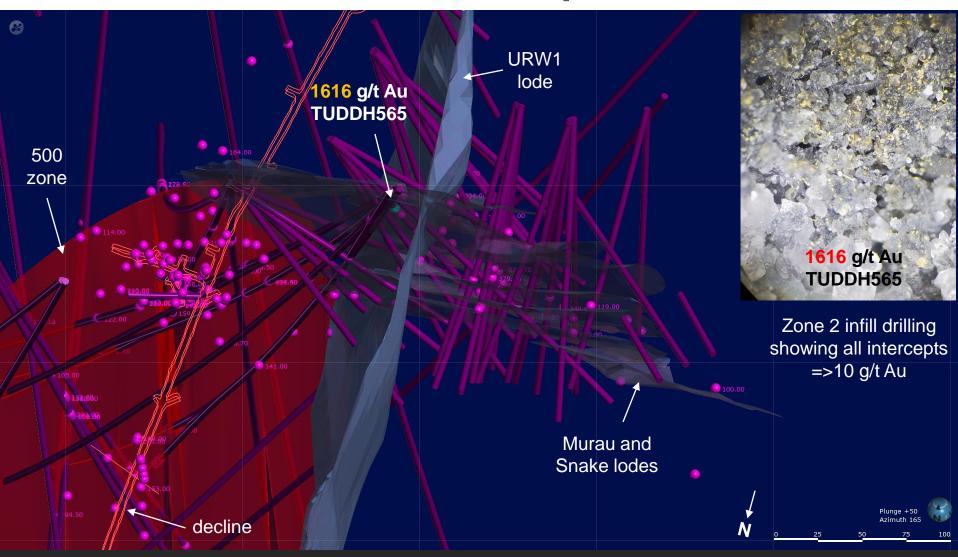




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TSX-V: LIO OTCQX: LOMLF

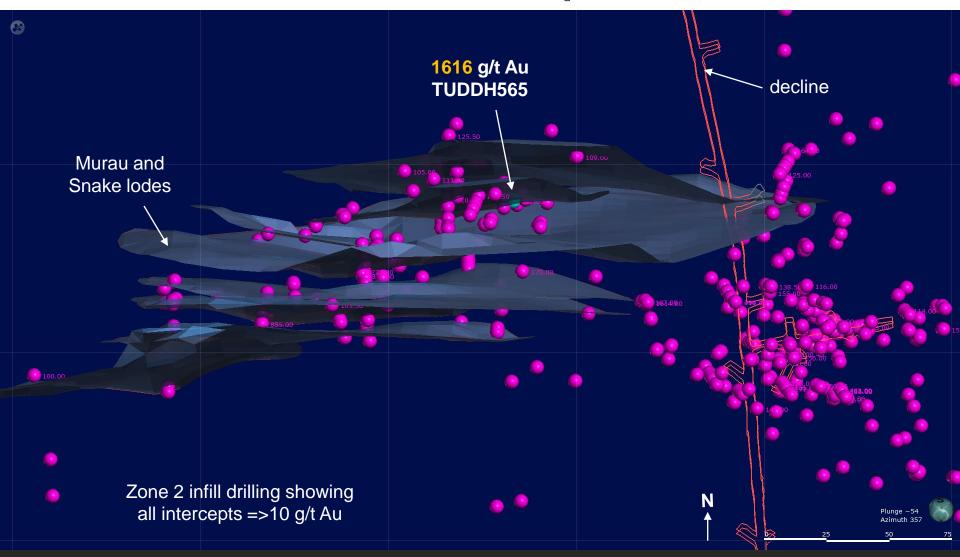




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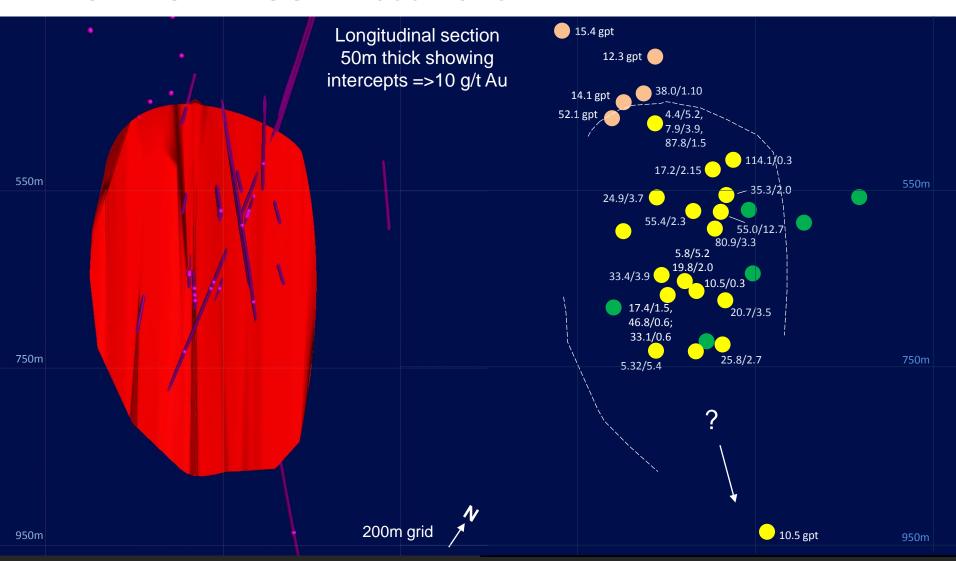
TSX-V: LIO OTCQX: LOMLF





TSX-V: LIO OTCQX: LOMLF





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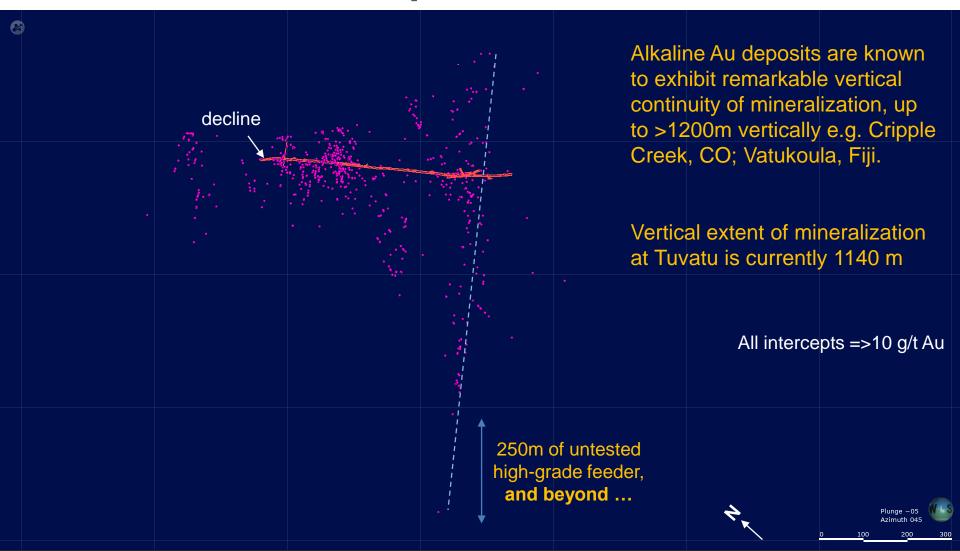
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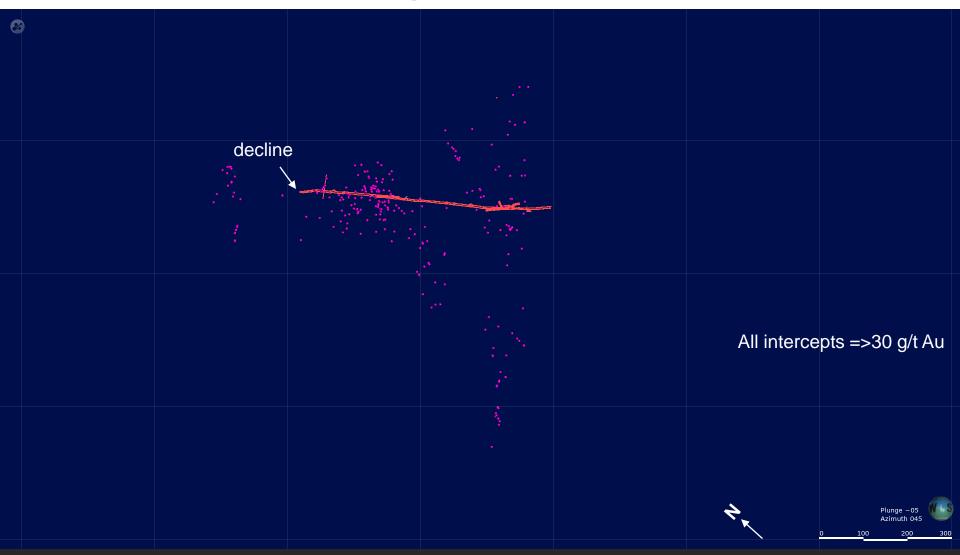
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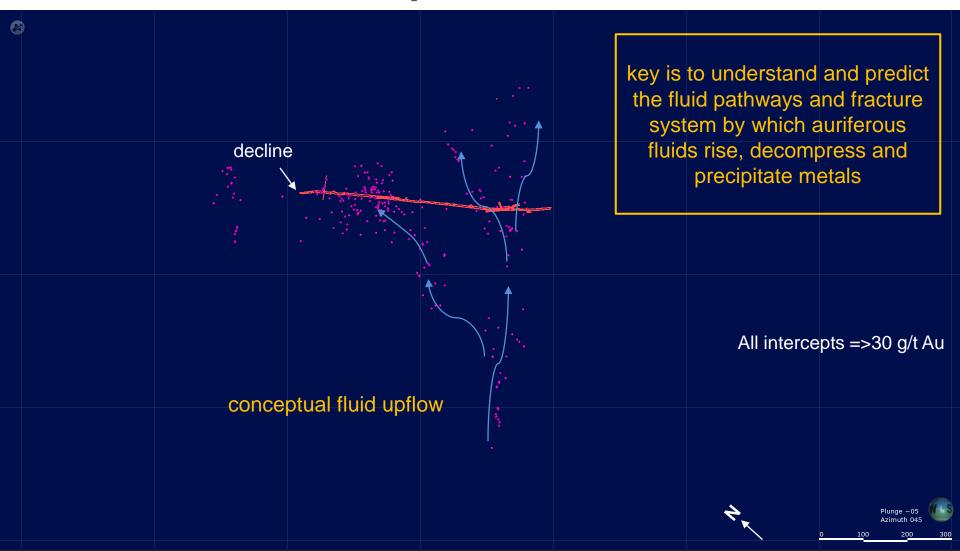




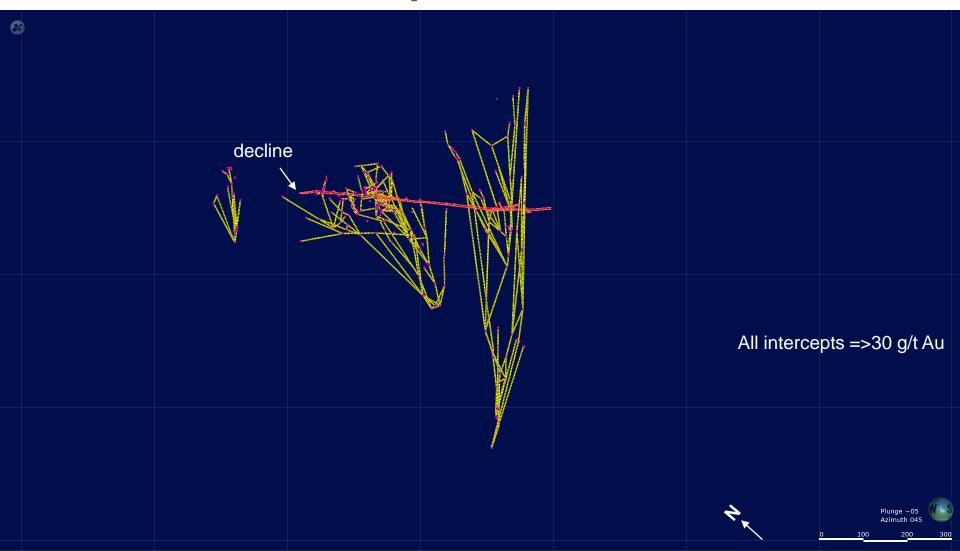




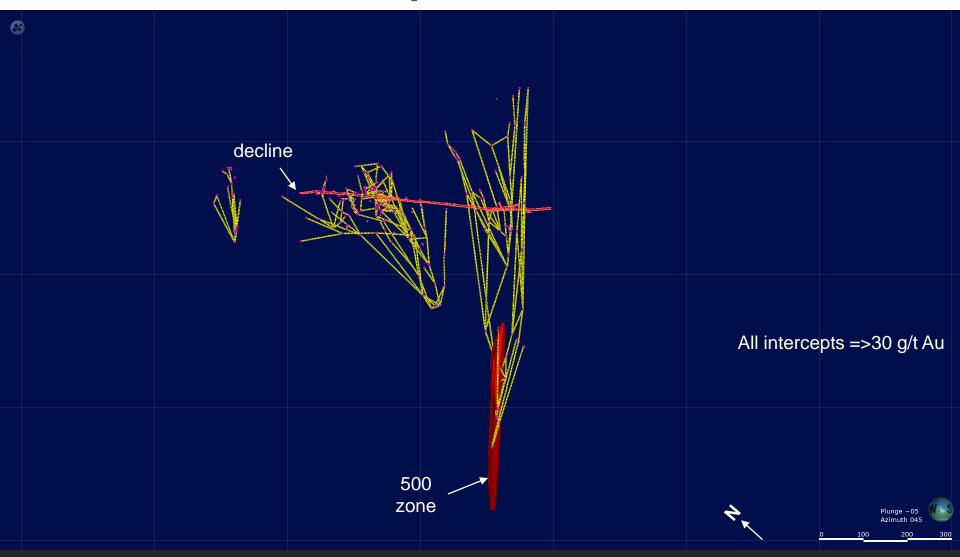




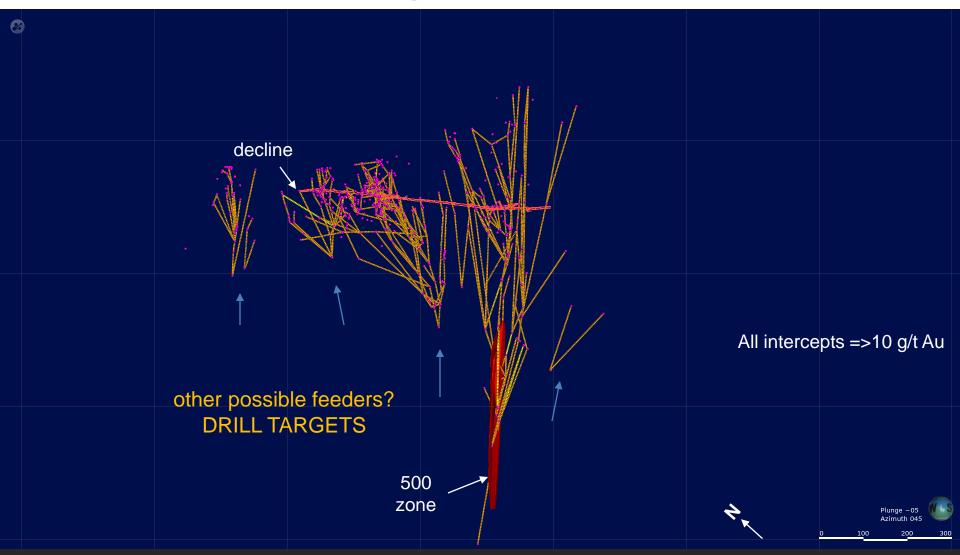












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