



Tintic Mineral Resource Estimate

Kingman Project Arizona, USA



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Competent Person Compliance Statements

Exploration results from the Kingman Project referred to herein were first reported in accordance with ASX Listing Rule 5.7 in the Company's announcements dated 23/10/2020, 23/03/2021, 19/04/2021, 9/12/2021, 20/01/2022, 11/05/2022, 6/06/2022, 15/07/2022, 18/01/2023, 1/02/2023, 16/02/2023, 28/02/2023. The Mineral Resource Estimate for the Kingman Project referred to herein was first reported by the Company in its ASX announcement dated 6/12/2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

CORPORATE SNAPSHOT



Market Snapshot ASX:RIE

Shares on issue	2,059m
Share price	0.5c
Unlisted Options ¹	404.3m
Performance Rights	30m
Market capitalization	A\$10.29m
Cash balance (30 September 2023)	~A\$1.3m
Debt (31 December 2022)	A\$0.0m
Enterprise value	A\$9.53m

1. 150m @ A\$0.0125 expiry 14/12/23, 15m @ \$0.01 expiry 23/11/25, 236m @ A\$0.01 expiry 24/07/25

Major Shareholders

	%
Top 21	56.01
Flagstaff Minerals Ltd	9.54
Southern Cross Capital Pty Ltd	5.19



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[20yr](#)

Board & Management

Michael Bohm	Non-Executive Chairman
David Groombridge	Chief Executive Officer
Grant Mooney	Non-Executive Director
Scott Cuomo	Non-Executive Director
Jason Pater	Non-Executive Director

KINGMAN GOLD PROJECT

LOCATION AND GEOLOGICAL SETTING



- **Project located in NW Arizona
~140 km from Las Vegas**

- Situated at the confluence of Nevada's Walker Lane Gold Trend and the Southwest US copper porphyry trend.
- Region is host to significant epithermal gold deposits including Round Mountain (+15Moz), Castle Mountain (5.6Moz), Mesquite (+5Moz) and the historical Oatman district (+2Moz).
- Within the Arizona Pegmatite Belt
- Region highly prospective for gold, copper and molybdenum
- Excellent Infrastructure

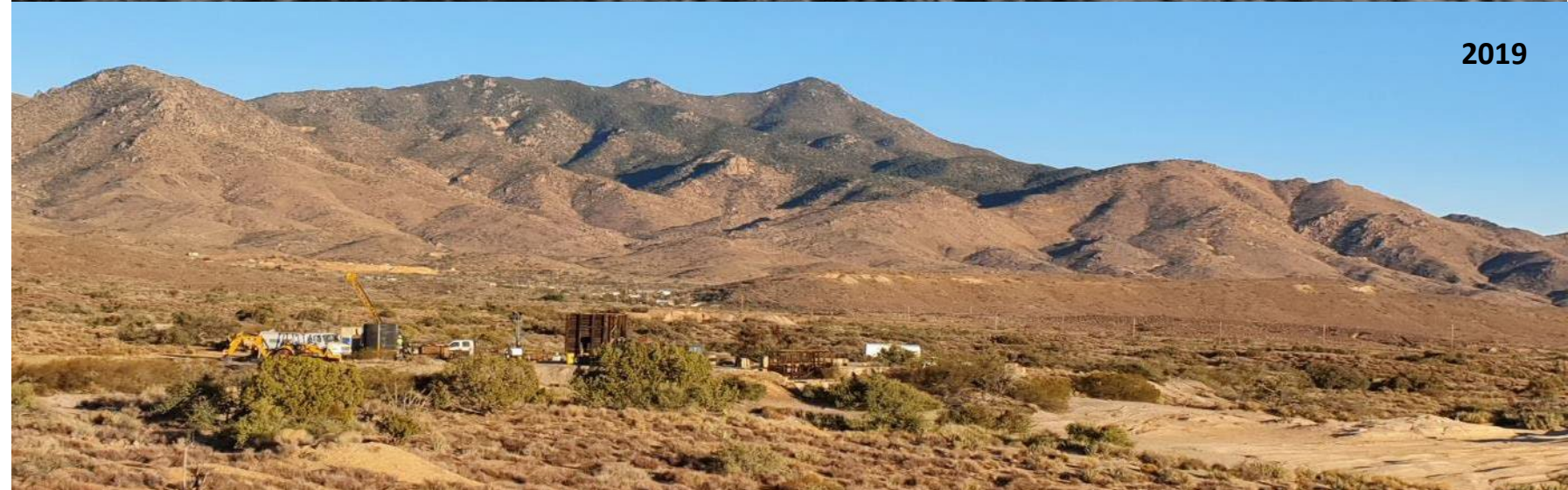


KINGMAN GOLD PROJECT

A PROVEN AND HISTORIC MINING CENTRE

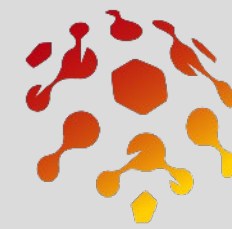


- **Numerous historic mines and little modern exploration**
- **Multiple operating mills within trucking distance**
- Mined from the 1870s to 1940s (coinciding with the onset of WW2)
- Adjacent to the significant Mineral Park Porphyry Cu-Mo mine



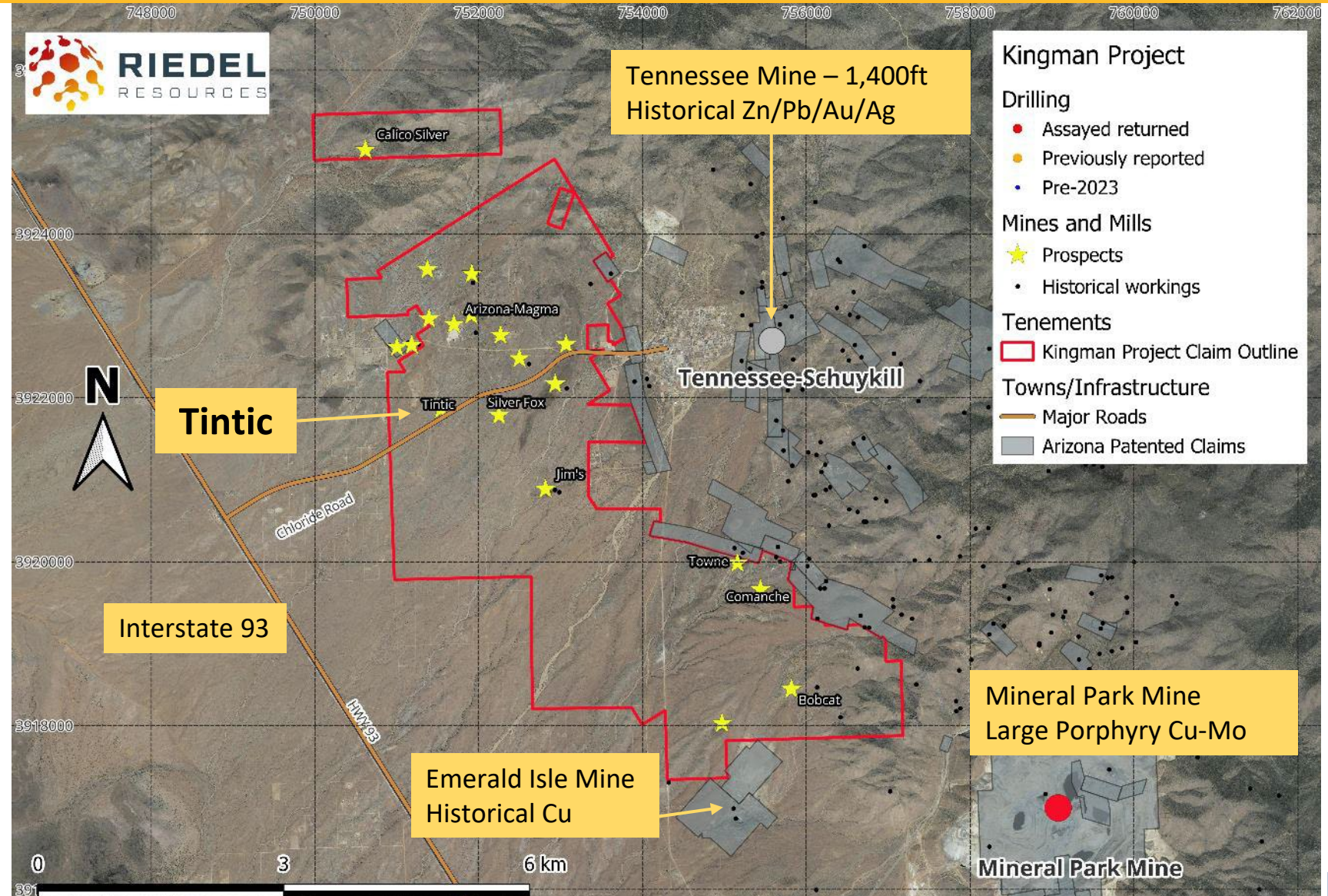
STRATEGIC LAND HOLDING

NUMEROUS HISTORIC MINES



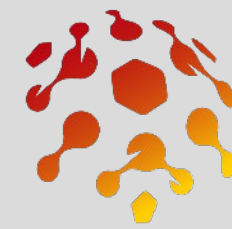
RIEDEL
RESOURCES

- District is host to ~135km of mineralised strike
- Largest mine is the Tennessee-Schuykill down to ~450m and ~1.5km strike
- Kingman Project-covers ~1200 hectares



GEOLOGY AND EXPLORATION

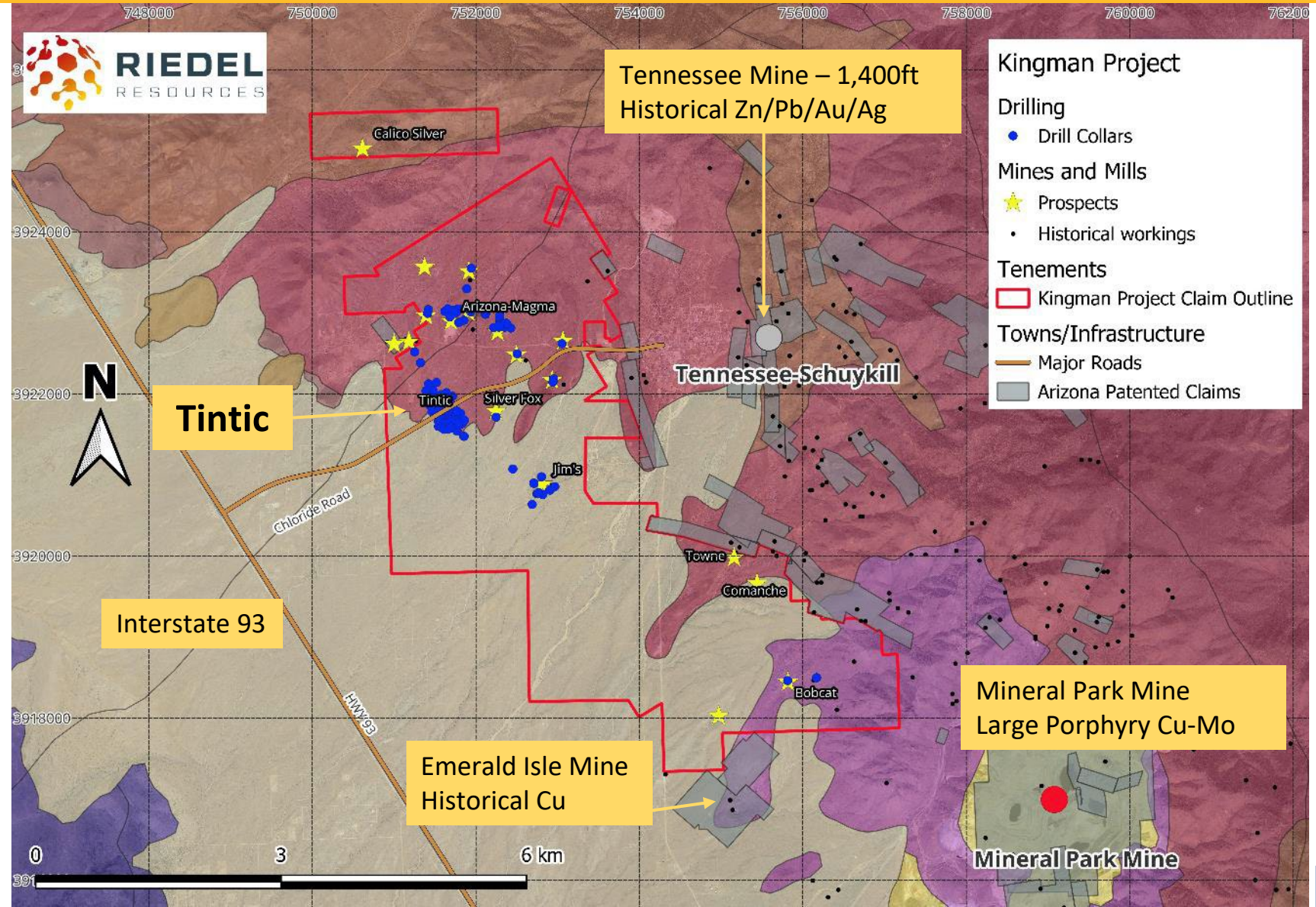
EXPLORATION ACTIVITIES



RIEDEL
RESOURCES

- **Under explored**

- Diamond drilling by Riedel in 2019 intersected multiple, shallow, high-grade gold and silver intercepts at Tintic
- 240 holes for ~18,000m drilled across the Kingman project to date
- 2/3 of Project is under thin transported cover with potential for “blind” deposits



EXCEPTIONAL NEAR SURFACE DRILLING RESULTS

TINTIC

- 3.8m @ **98.8 g/t Au**, 151 g/t Ag, 2.6 % Pb, 0.8 % Zn from 20.6m (2021-CHL-004)
- 1.5m @ **39.37 g/t Au**, 322 g/t Ag, 3.3 % Pb, 3.2 % Zn from 37.3m (2021-CHL-011)
- 4.6m @ **12.43 g/t Au**, 52 g/t Ag, 2.4 % Pb, 0.9 % Zn from 45m (2021-CHL-075)
- 3.8m @ **18.1 g/t Au**, 201 g/t Ag, 0.8 % Pb, 0.9 % Zn from 85.4m (2022-CHL-075D)
- 5.3m @ **18.12 g/t Au**, 24 g/t Ag, 0.7 % Pb, 0.5 % Zn from 23.6m (2021-CHL-090)
- 5.5m @ **12.4 g/t Au**, 105 g/t Ag, 3.9 % Pb from 16.76m (2022-CHL-017C)
- 1.8m @ **16.3g/t Au**, 76 g/t Ag from 23.8m (2022-KNG-026A)
- 2.13m @ **16.7 g/t Au**, 88 g/t Ag, 4.7 % Pb from 12.5m (2022-KNG-018C)

MERRIMAC

- 4.6m @ 8.39 g./t Au, 39.2 g/t Ag from 100.6m (2021-CHL-030)
- 0.8m @ 8.47 g/t Au, 132 g/t Ag, 0.7 % Pb, 0.7 % Zn from 174.5m (2021-CHL-029B)
- 1.5m @ 3.45 g/t Au, 52 g/t Ag, 0.5 % Pb, 0.7 % Zn from 156.3m (2021-CHL-029A)

JIM'S

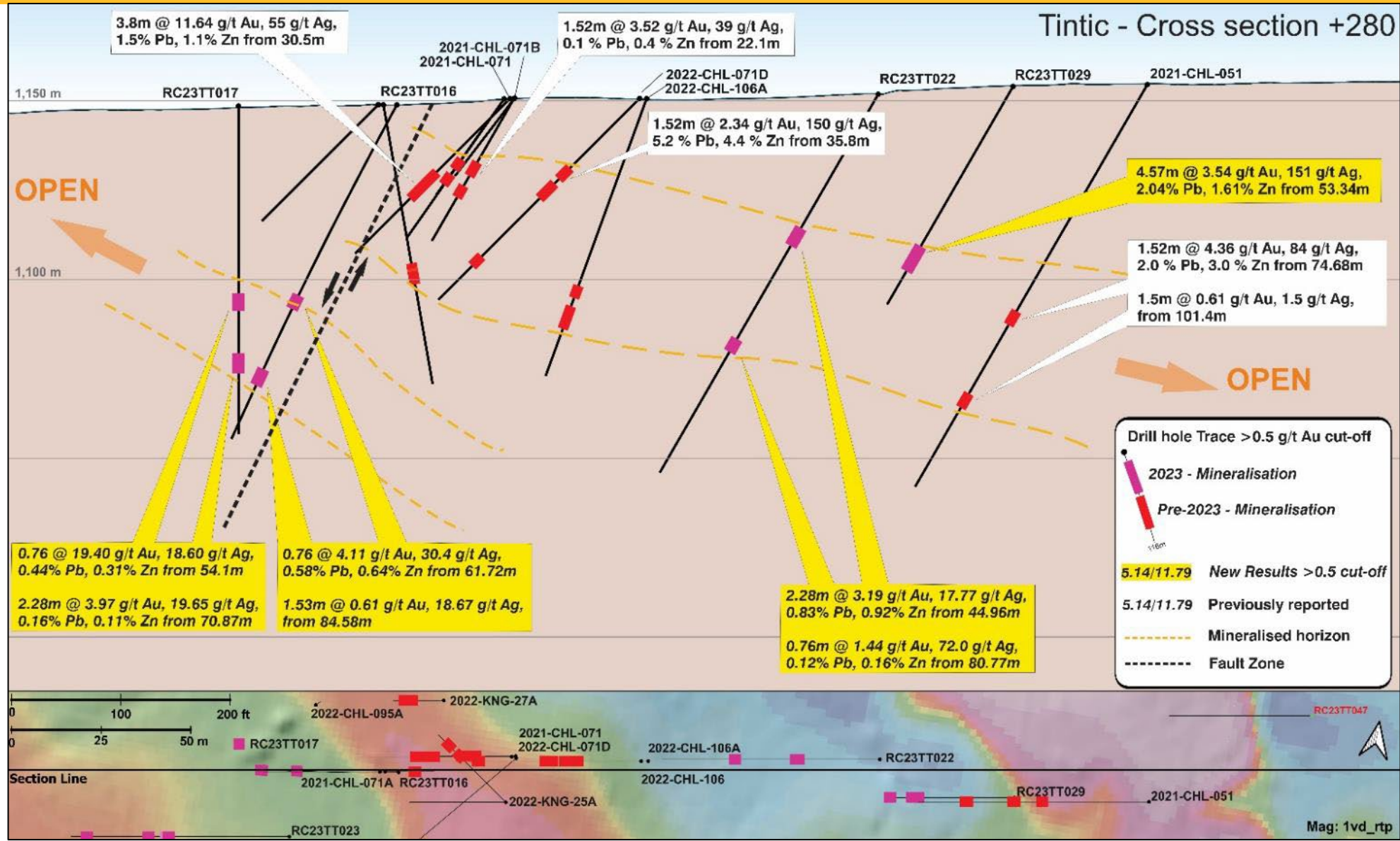
- 4.6m @ 1.01 g./t Au, 5.8 g/t Ag from 10.7m (2021-CHL-020B)
- 2.3m @ 1.26 g/t Au, 33.7 g/t Ag, 1.2 % Pb, 0.2 % Zn from 1.5m (2021-CHL-019)



Sample 1844968 from diamond drill hole 2022-KNG-013B returned **0.24m @ 130g/t Au, 732g/t Ag and 28% Pb** from 21.0m. Mineralisation characterised by a massive sulphide vein with galena, pyrite and sphalerite.

*Refer to ASX Announcement on 1/02/2023

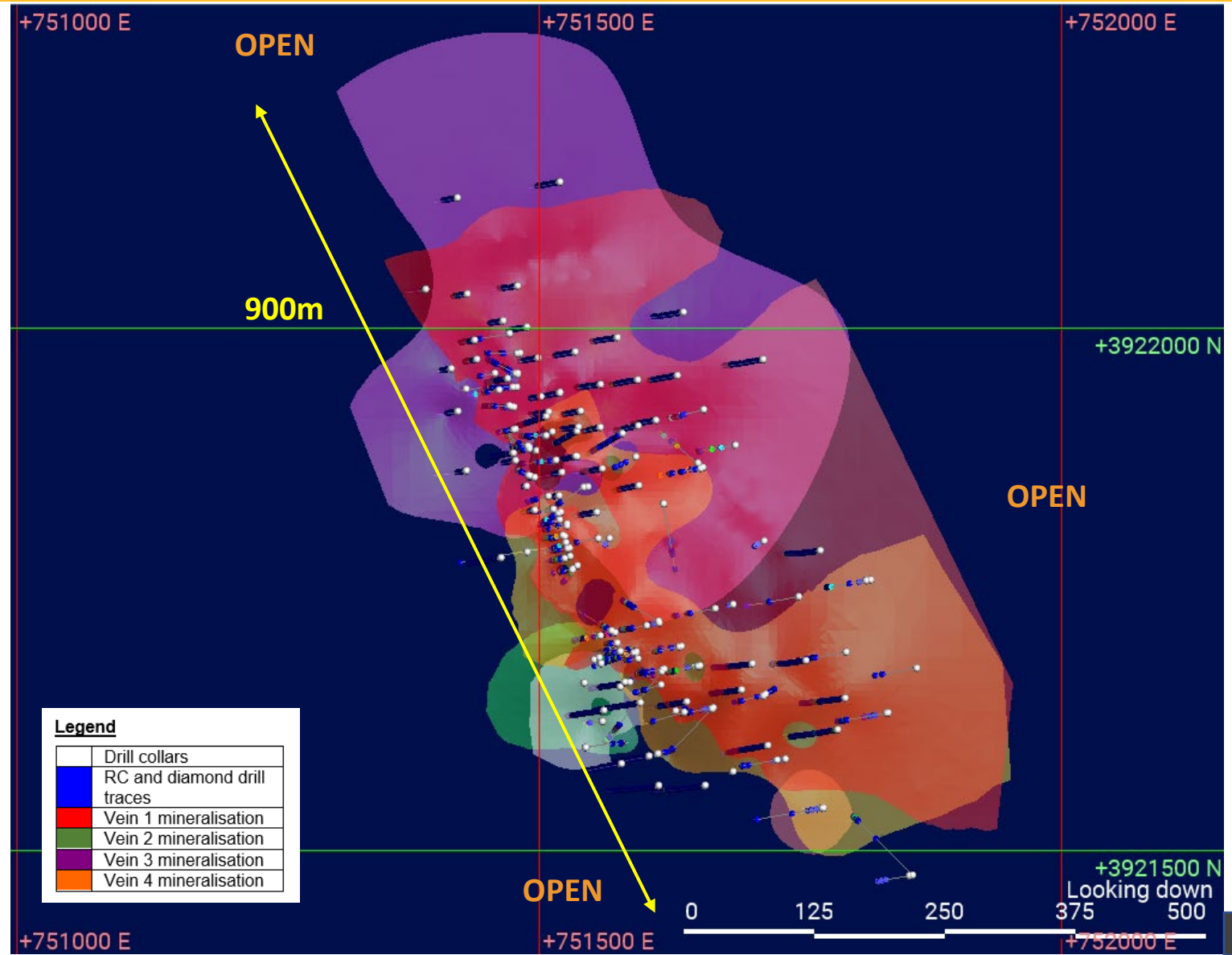
TINTIC – SCHEMATIC CROSS SECTION



TINTIC MRE

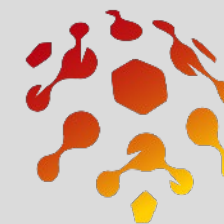
HIGH-GRADE, SHALLOW, "FREE-DIG"

- 500kt @ 4 g/t Au, 43.4 g/t Ag
- 64koz Au
- 689koz Ag
- Above fresh rock ~40m depth
- 0.8 g/t Au cut-off
- 900m strike
- 13° dip
- Pb and Zn credits
- Open along strike and at depth



TINTIC MRE

CUT-OFF GRADES



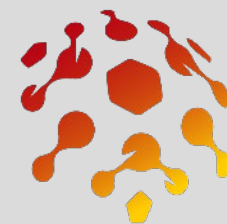
RIEDEL
RESOURCES

- **500kt @ 4 g/t Au, 43.4 g/t Ag**

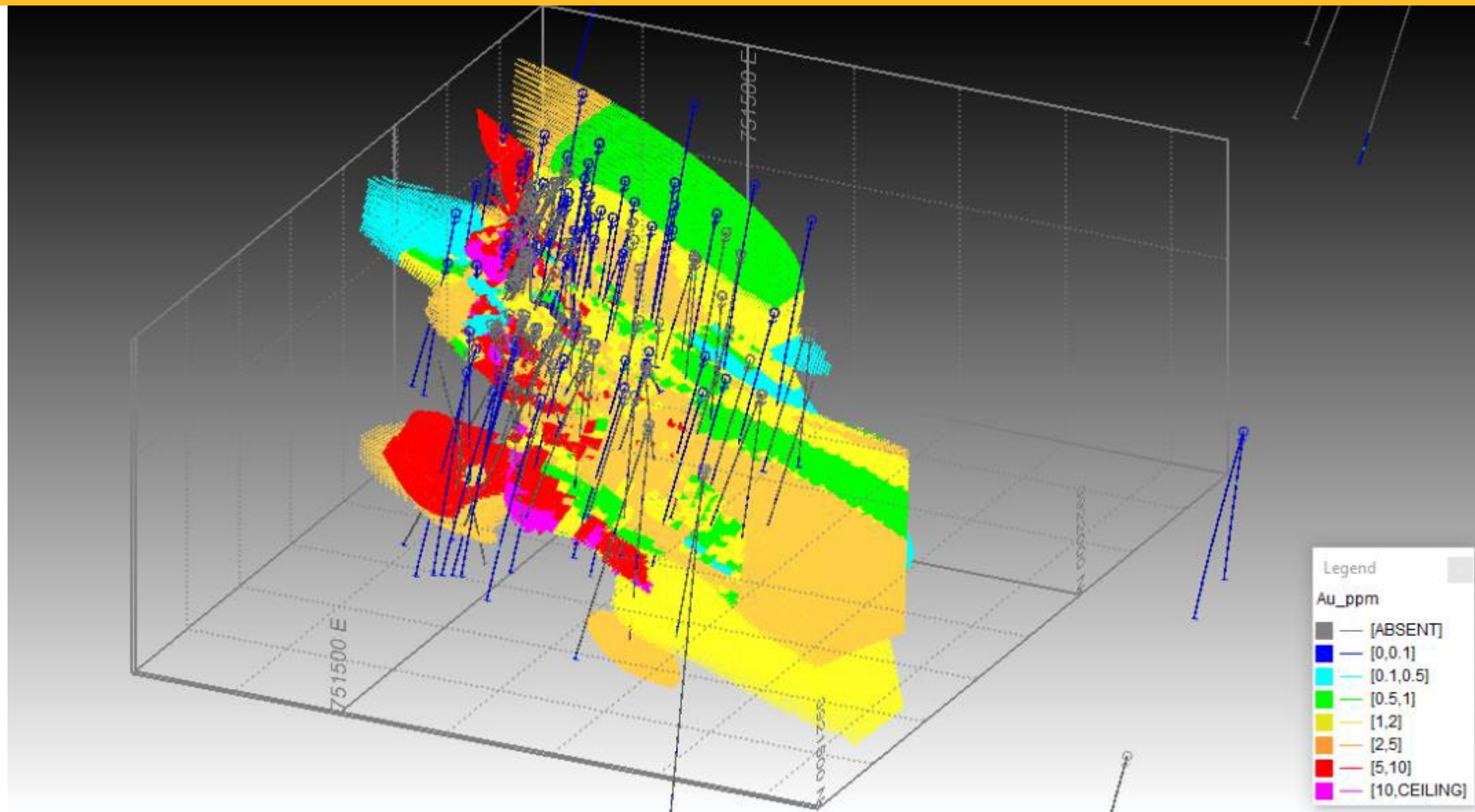
Cut-off Grade (Au g/t)	Tonnes (t)	Au (g/t)	Au (oz)	Ag (g/t)	Ag (oz)	Pb (%)	Pb (t)	Zn (%)	Zn (t)
0.3	531,000	3.8	65,000	42.7	729,000	0.8	4,000	0.4	2,000
0.4	524,000	3.8	65,000	42.8	721,000	0.8	4,000	0.4	2,000
0.5	516,000	3.9	64,000	43.1	716,000	0.8	4,000	0.4	2,000
0.6	514,000	3.9	64,000	43.1	712,000	0.8	4,000	0.4	2,000
0.7	508,000	3.9	64,000	43.1	703,000	0.8	4,000	0.4	2,000
0.8	494,000	4.0	64,000	43.4	689,000	0.8	4,000	0.4	2,000
0.9	477,000	4.1	63,000	43.7	670,000	0.8	4,000	0.4	2,000
1.0	464,000	4.2	63,000	44.1	657,000	0.8	4,000	0.4	2,000

TINTIC MRE

BLOCK MODEL BY GOLD GRADE



RIEDEL
RESOURCES

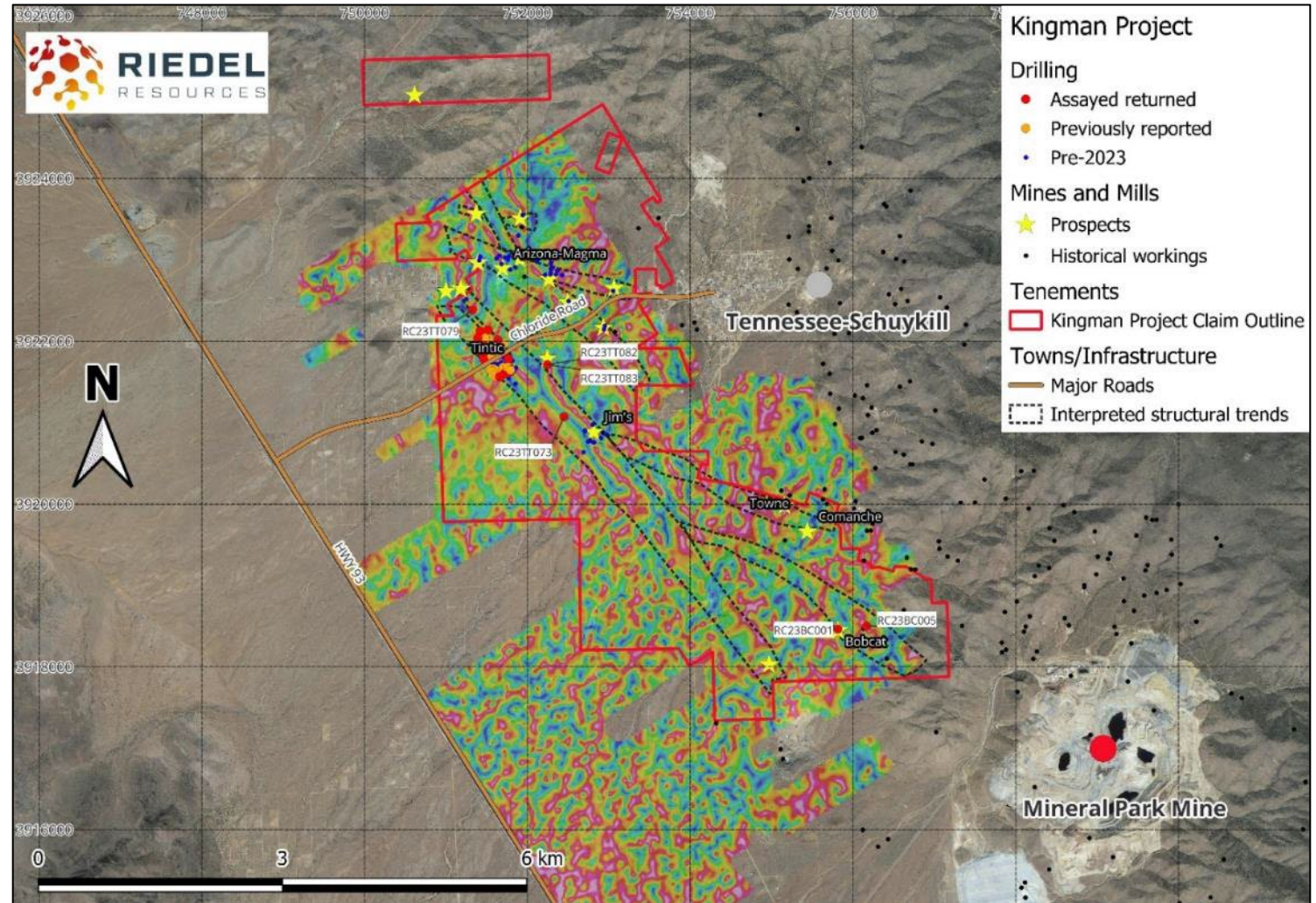


EXPLORATION

MULTIPLE TARGETS IN UNDEREXPLORED DISTRICT



- **Large scale hydrothermal system**
- **Multiple targets untested by modern exploration**
- Limited exploration outside of Tintic
- Primary exploration focus on locating and expanding shallow high-grade gold-silver mineralisation to be added to potential future resources.
- Cu-Mo porphyry exploration beneath transported cover analogous to the neighbouring Mineral Park mine.



PROJECT TIMELINE



- Metallurgical test work underway and due by the end of 2023
- Accelerate discussions with potential processing plants in the region in 2024
- Preliminary Economic Assessment to be initiated in Q1 2024
- Submission of permitting to mine at Tintic in Q2 2024
- Mining and gold production scheduled to commence in mid-2025
- Exploration of priority targets identified on project claims in 2024/25

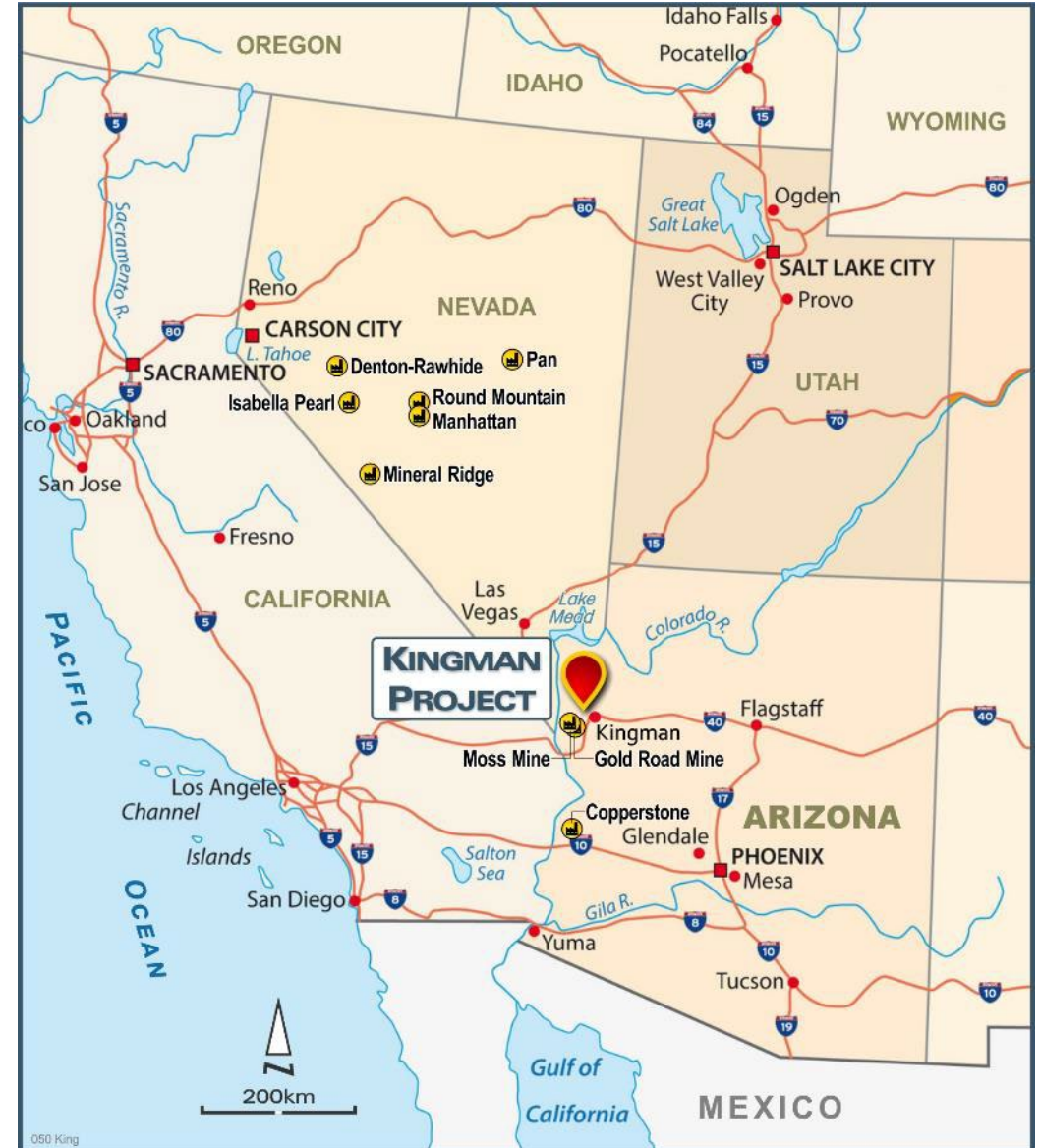
REGIONAL PROCESSING OPPORTUNITIES



- **Concept:**

- High grade gold resource at surface to 40m depth
- Free dig in weathered oxide
- Open pit(s) mining methods
- Process via 'toll treat' arrangement with regional plant

- Minimal capex required
- First class location in historic mining district
- Large contiguous land-holding
- Very little exploration to date
- Enormous (short to medium-term) exploration opportunity



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