



# The Maronian Deposit

One of Australia's Largest and  
Highest-Grade Undeveloped  
Silver Resources

Presented by: Richard Carlton, MD

14 November 2024

ASX CODE: MMA

Noosa Mining Conference



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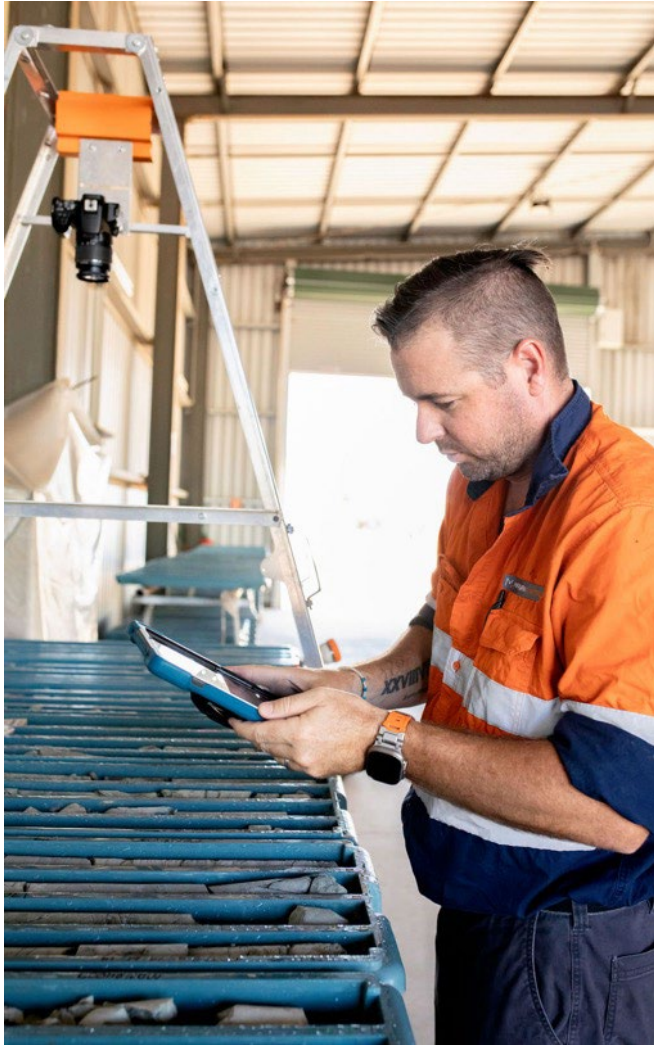
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# Maronan Metals – Unlocking Value



Potential Long-Life Ag-Pb, Cu-Au exposure in a Tier 1 jurisdiction



100% owned Maronan Deposit with excellent ore body continuity



Large Silver-Lead and Copper-Gold endowments open at depth

**Global Resources of +60Mt containing 118Moz Silver, 2Mt Lead, 272Kt Copper and 756Koz Gold\***



Low risk jurisdiction



# Value Drivers

## 01 Immediate value driver: The 'Starter Zone'

- Early access less than 90m from surface
- Growing the Indicated Resource
- Assessing staged development with options to ramp up production over time

## 02 Testwork to date shows simple, proven flotation generates high value Concentrate

- Excellent metallurgy with low bond work index
- Assessing options including Stand Alone Mill and Toll Treating, third party processing
- Ore sorting testwork with Tomra and Steinert

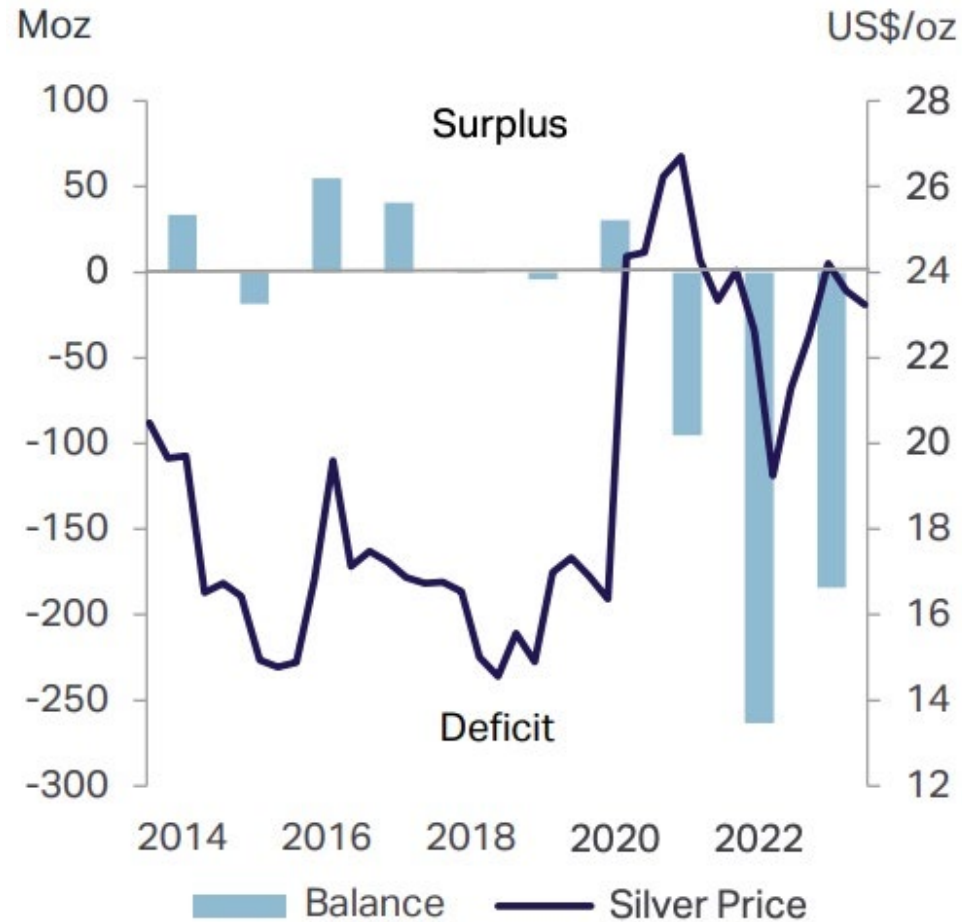
## 03 Progressing permitting and project related studies

- Commenced Baseline Environmental Studies
- Engaged Resource Strategies to assist with permitting
- Regular meetings and updates to key stakeholders



# What is the Upside?

## World Silver Institute – Silver Supply Deficit



## Why Maronan Now?

- 01** Potential to be a significant player in the Silver and Lead markets
- 02** Positioned to be an early mover into the Silver supply deficit
- 03** Leveraged to rising Silver, Copper and Gold prices



# Corporate Summary

| ASX Code | Shares on Issue* | Share Price (11 Nov 24) | Market Cap | Cash (at 30 Sept 24) |
|----------|------------------|-------------------------|------------|----------------------|
| MMA      | 201,252,826      | 24c                     | \$48.3M    | \$7.75M              |

## Board Of Directors & Senior Management

|                   |                             |
|-------------------|-----------------------------|
| Simon Bird        | Non-Exec Chairman           |
| Richard Carlton   | Managing Director           |
| Robert Rutherford | Non-Exec Technical Director |
| Andrew Barker     | Exploration Manager         |

## Substantial Shareholders

|                     |               |
|---------------------|---------------|
| Red Metal Limited   | 43.98%        |
| Crescat Capital     | 6.22%         |
| Balance of Top 20   | 20.66%        |
| <b>Total Top 20</b> | <b>70.86%</b> |

## Share Price & Trade Volume: 10/11/2023 – 11/11/2024



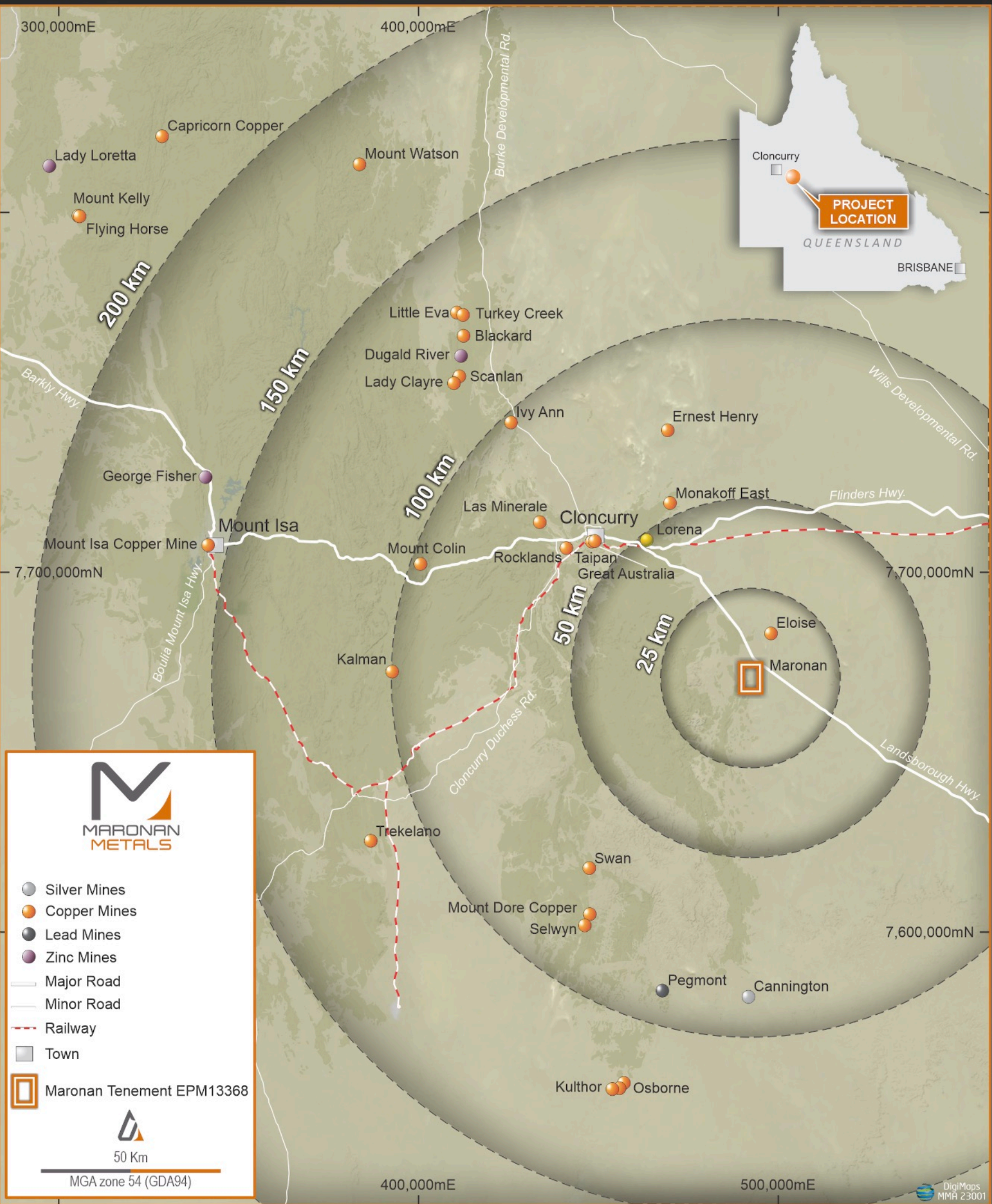
\*1,200,000 Employee Options exp 28/07/25 @ \$0.43; 87,214 Secondary Options exp 30/06/25 @ \$0.60; 500,000 Employee Options exp 21/12/26 @ \$0.28; 10,000,000 Director Options exp 19/04/25 @ \$0.25; 6,200,000 Employee Options exp 12/08/27 @ \$0.30

# Achievements over the past year – ‘did what we said we would’

- Completed resource review following first MMA drill program\*:
  - Maiden Ag-Pb resource 2.1Mt @ 5.3%Pb 155g/tAg
  - Significant Cu-Au resource increase
  - Maiden Gold-only resource
- Strong metallurgical results for Ag-Pb and Cu-Au ore.
- Successful Placement and Share Purchase Plan raised \$9M.
- Commenced second drill program focused on Starter Zone.
  - Initial 5 holes reported show strong and consistent results.
- Broad range of project related studies accelerated.
- Stakeholder engagement with Landowner, Traditional Owners, Local & State Government, Regulators.







Maronan Project Location X

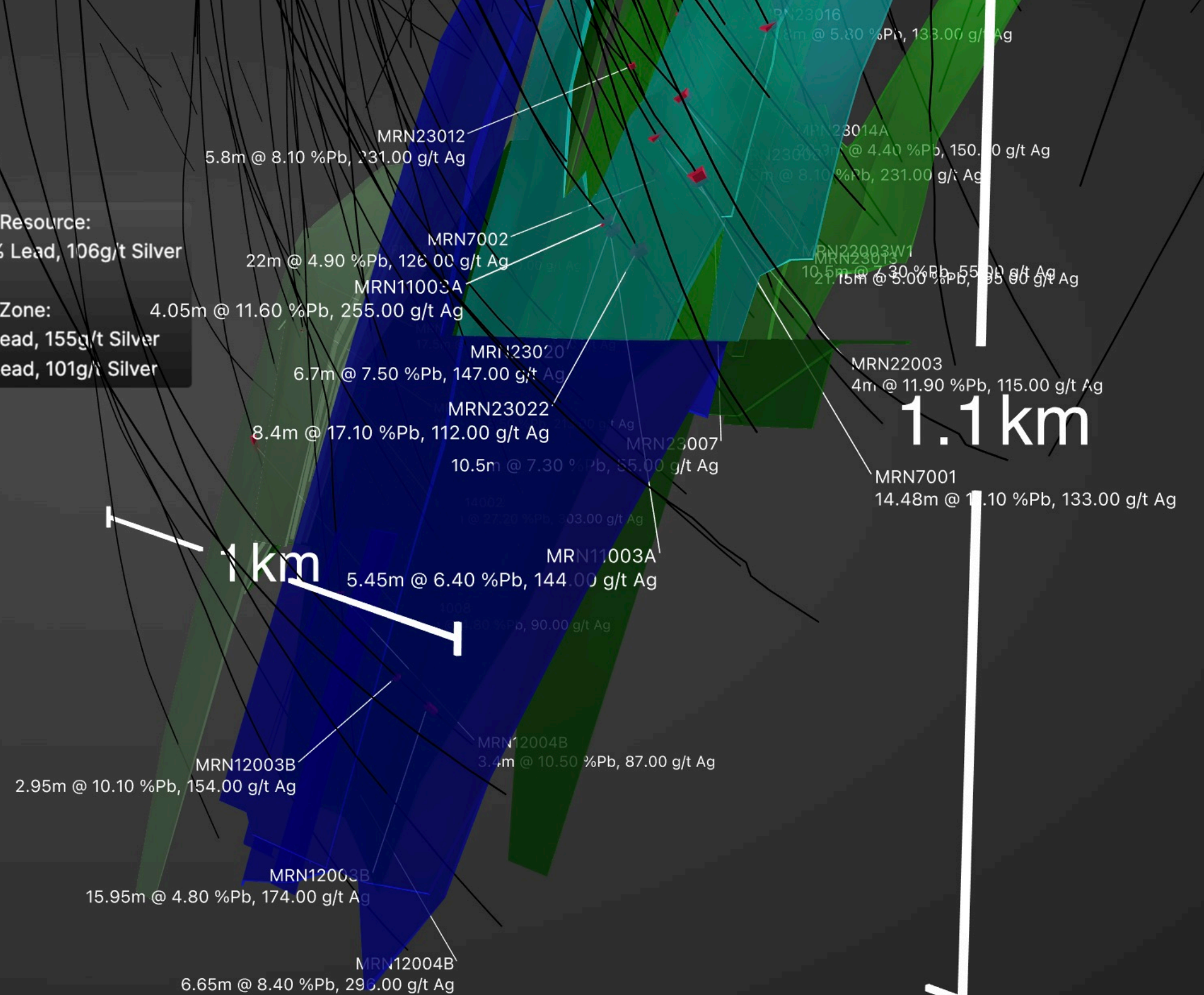


Global Silver-Lead Resource X

Silver-Lead Resource:  
Ind&Inf: 32.1Mt @ 6.1% Lead, 106g/t Silver

Starter Zone:  
Ind: 2.1Mt @ 5.3% Lead, 155g/t Silver  
Inf: 9.0Mt @ 5.3% Lead, 101g/t Silver

Starter Zone





Starter Zone Resource and Drilling

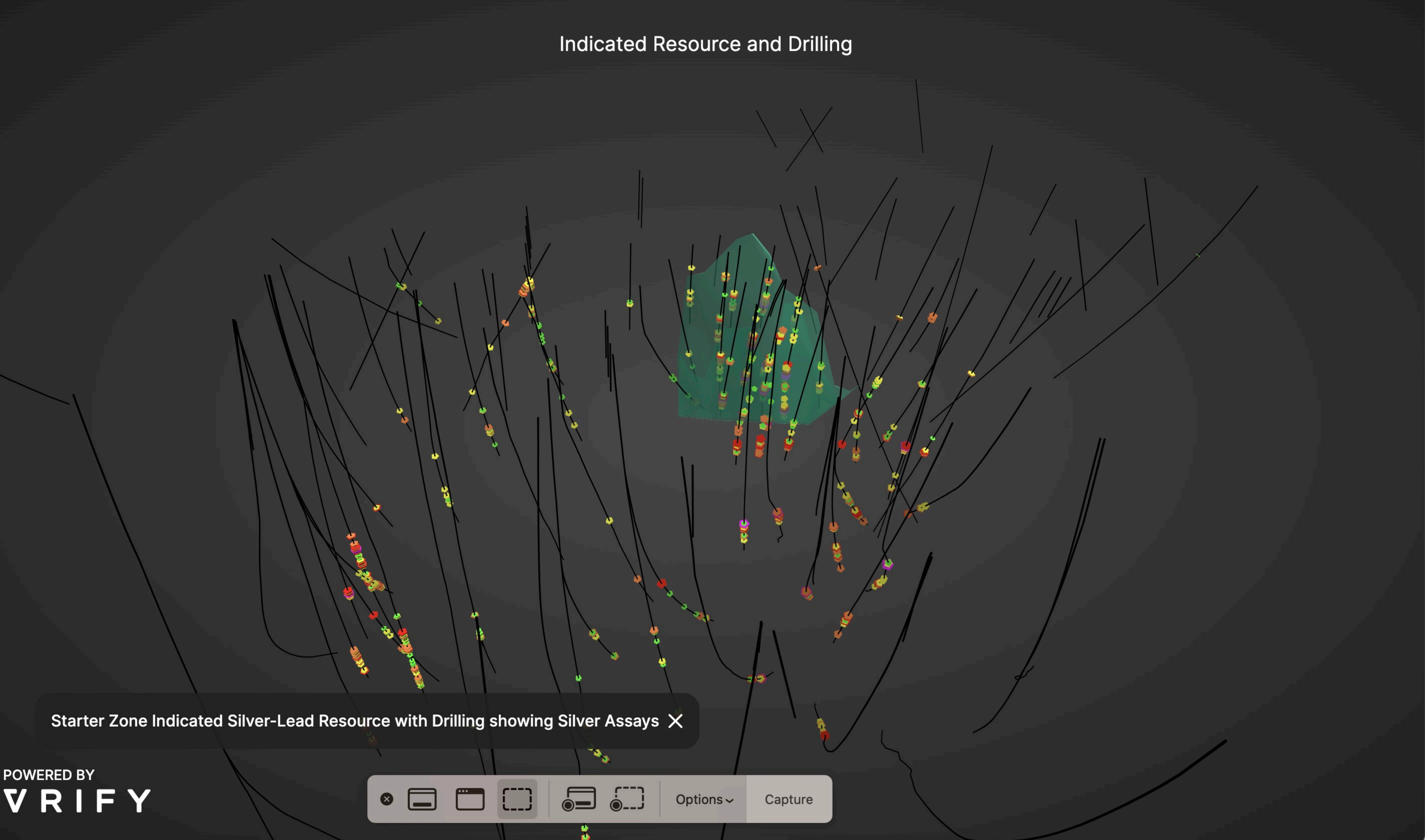
Starter Zone



Starter Zone Silver-Lead Resource with drilling showing Silver Assays X

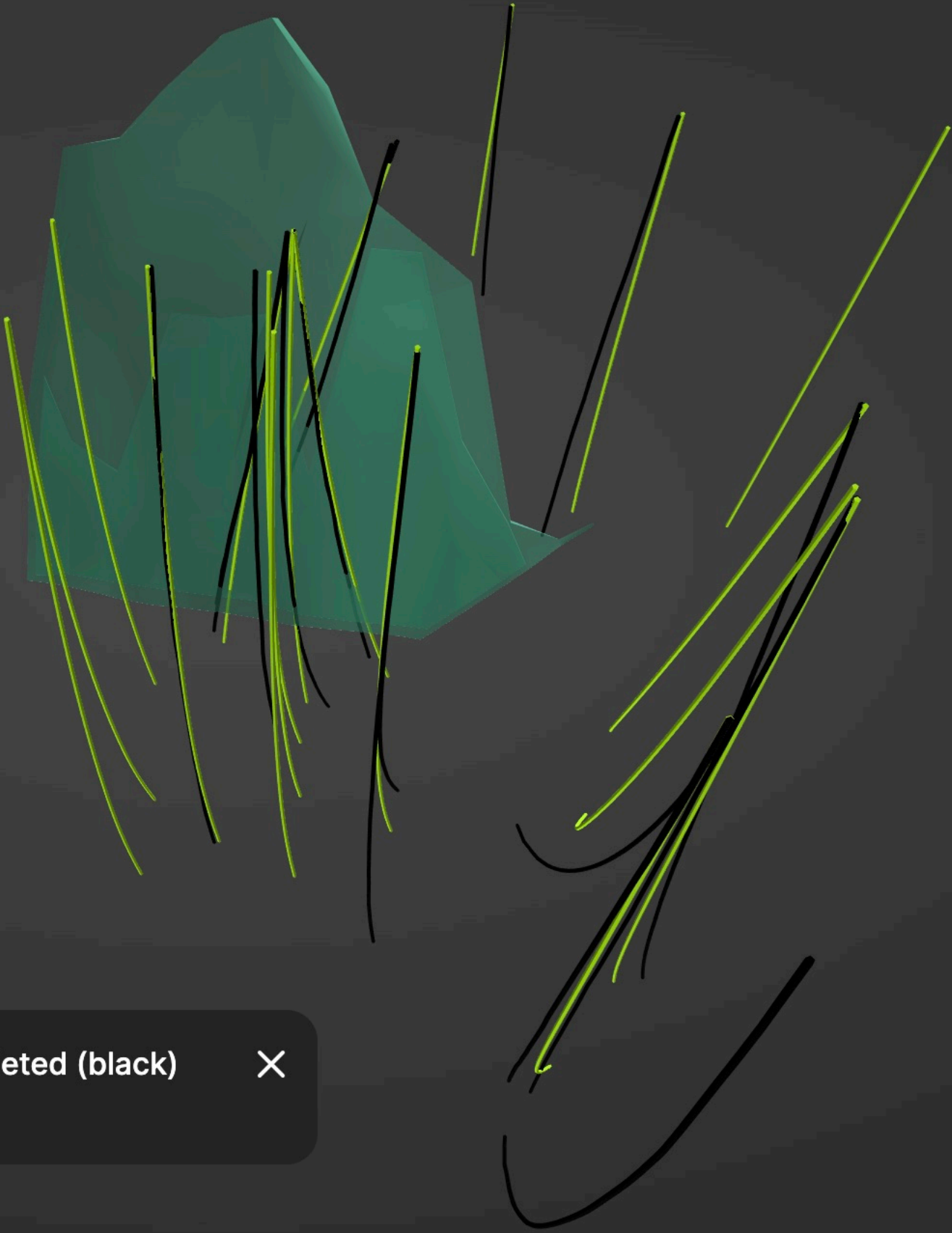


Indicated Resource and Drilling



Starter Zone Indicated Silver-Lead Resource with Drilling showing Silver Assays X

Indicated Resource and 2024 Drilling

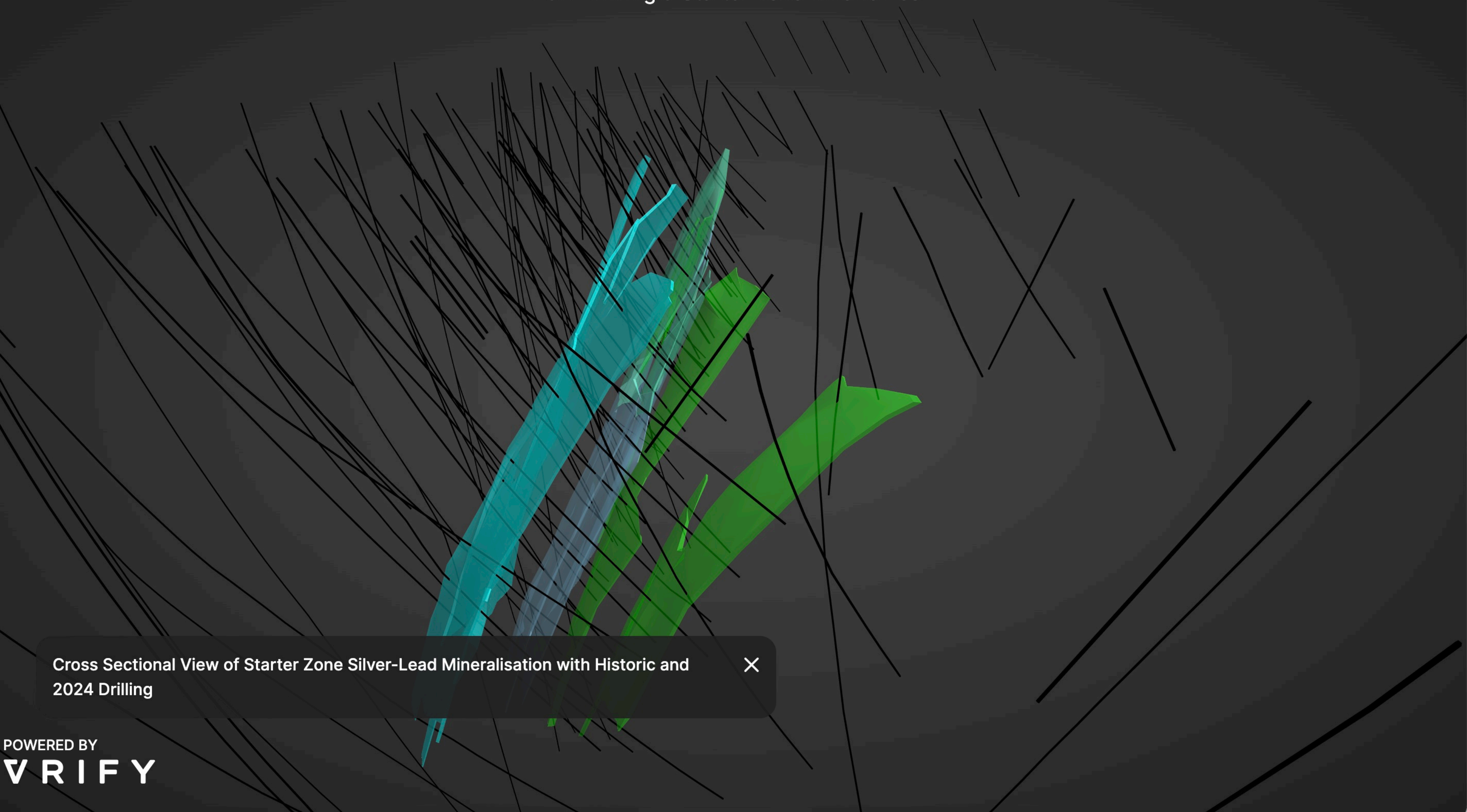


March 2024 Indicated Resource Area with Planned (yellow) and Completed (black)  
2024 drilling



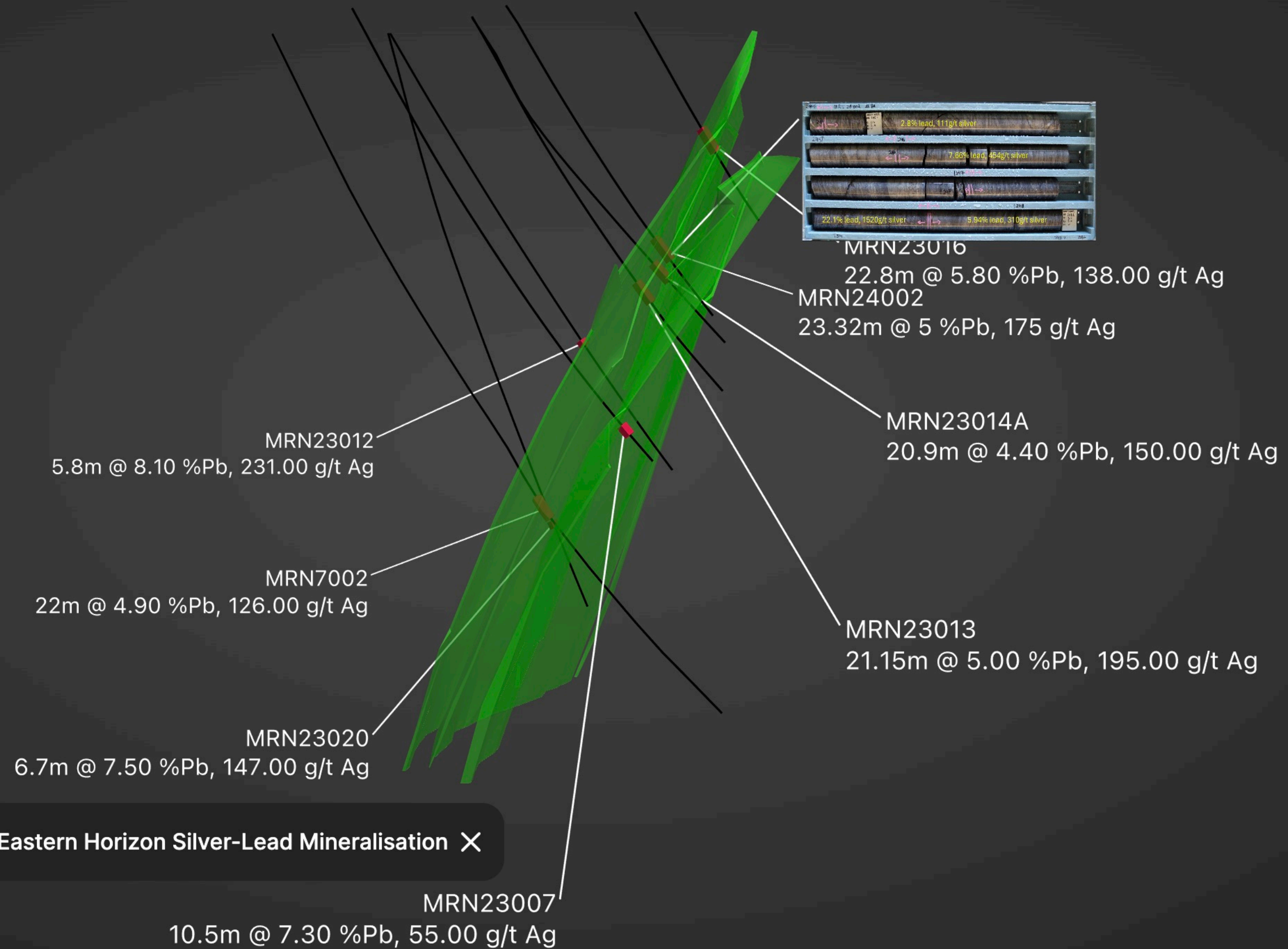


## 2024 Drilling & Starter Zone Wireframes



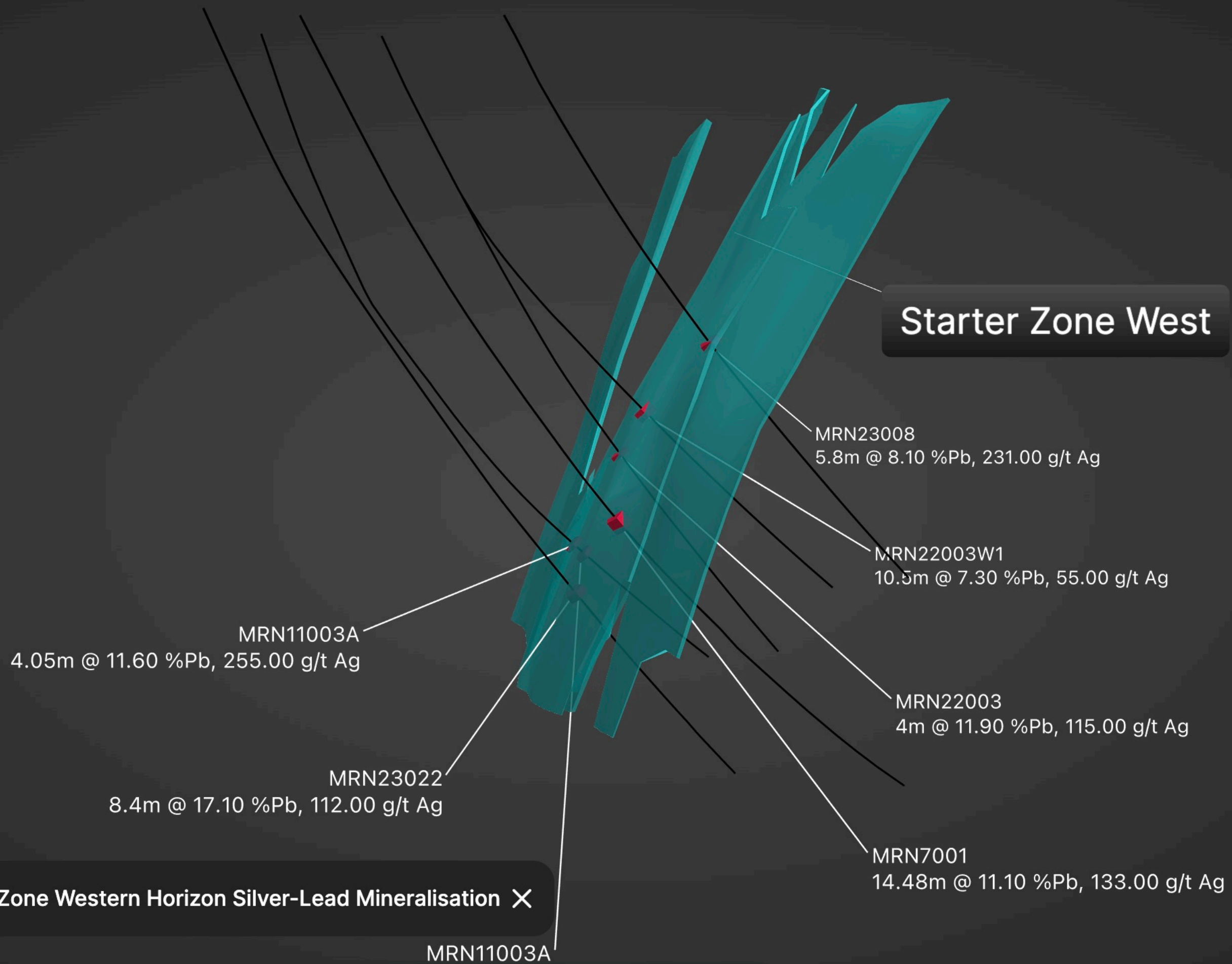
Cross Sectional View of Starter Zone Silver-Lead Mineralisation with Historic and 2024 Drilling





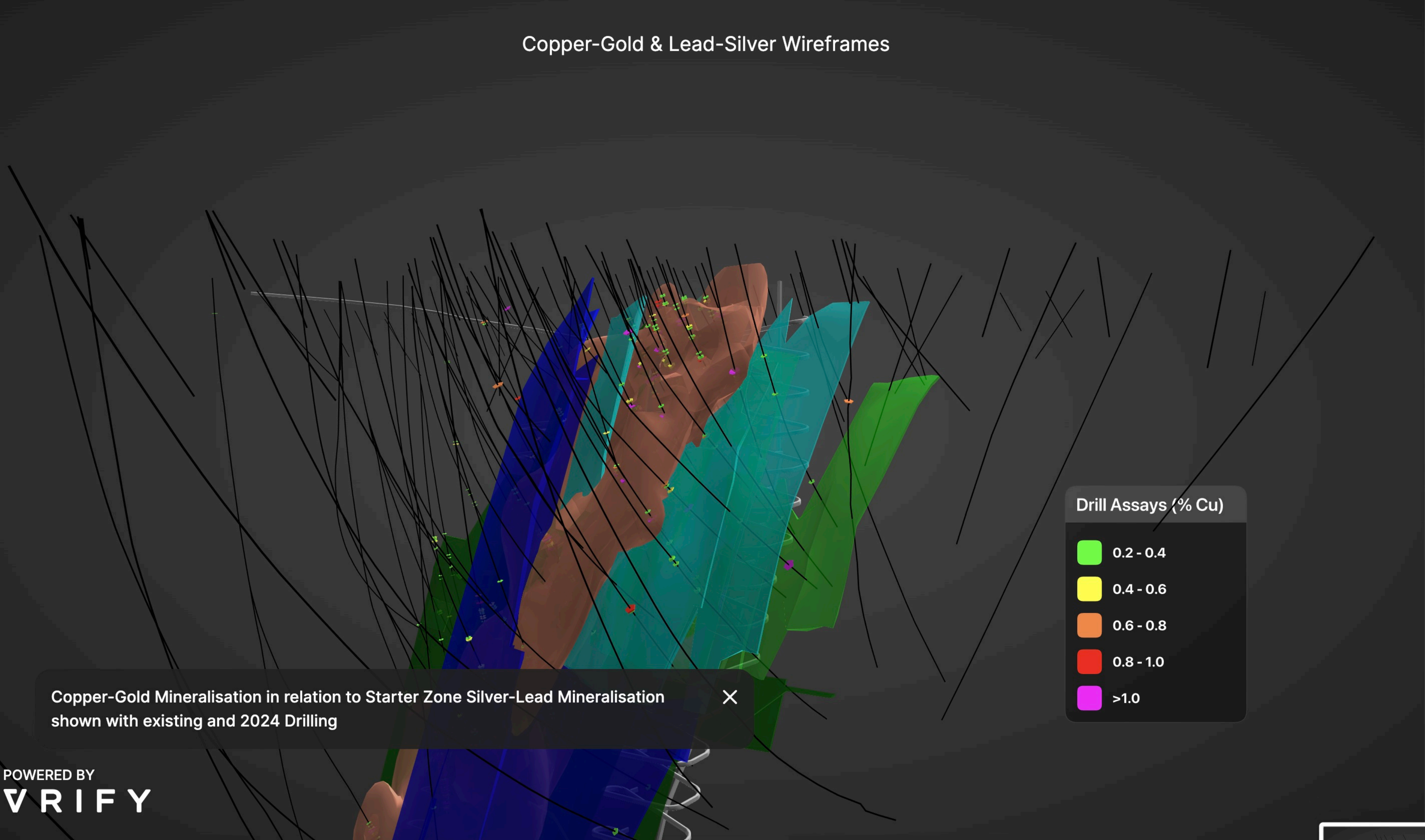
Drilling Highlights - Starter Zone Eastern Horizon Silver-Lead Mineralisation X





Drilling Highlights - Starter Zone Western Horizon Silver-Lead Mineralisation X

Copper-Gold & Lead-Silver Wireframes



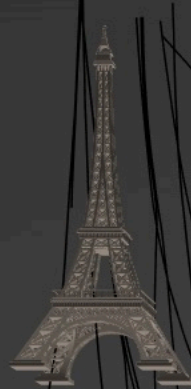
Copper-Gold Mineralisation in relation to Starter Zone Silver-Lead Mineralisation  
shown with existing and 2024 Drilling



Drill Assays (% Cu)

- 0.2 - 0.4
- 0.4 - 0.6
- 0.6 - 0.8
- 0.8 - 1.0
- >1.0





Copper-Gold Resource:  
Inferred 32.5Mt @ 0.84% Copper, 0.61g/t Gold, 7g/t Silver

Drill Assays (% Cu)

|           |
|-----------|
| 0.2 - 0.4 |
| 0.4 - 0.6 |
| 0.6 - 0.8 |
| 0.8 - 1.0 |
| >1.0      |

Resource: Copper + Gold

MRN12004B  
63.2m @ 0.79 %Cu, 0.31 g/t Au

MRN14004W1  
81.85m @ 0.41 %Cu, 0.57 g/t Au

MRN12001  
115m @ 0.75 %Cu, 1.51 g/t Au

MRN12004  
37.4m @ 1.51 %Cu, 1.52 g/t Au

MRN22001  
19.2m @ 1.83 %Cu, 1.58 g/t Au

MRN23004  
10m @ 0.80 %Cu, 0.69 g/t Au

MRN23004W2  
58m @ 0.73 %Cu, 0.67 g/t Au

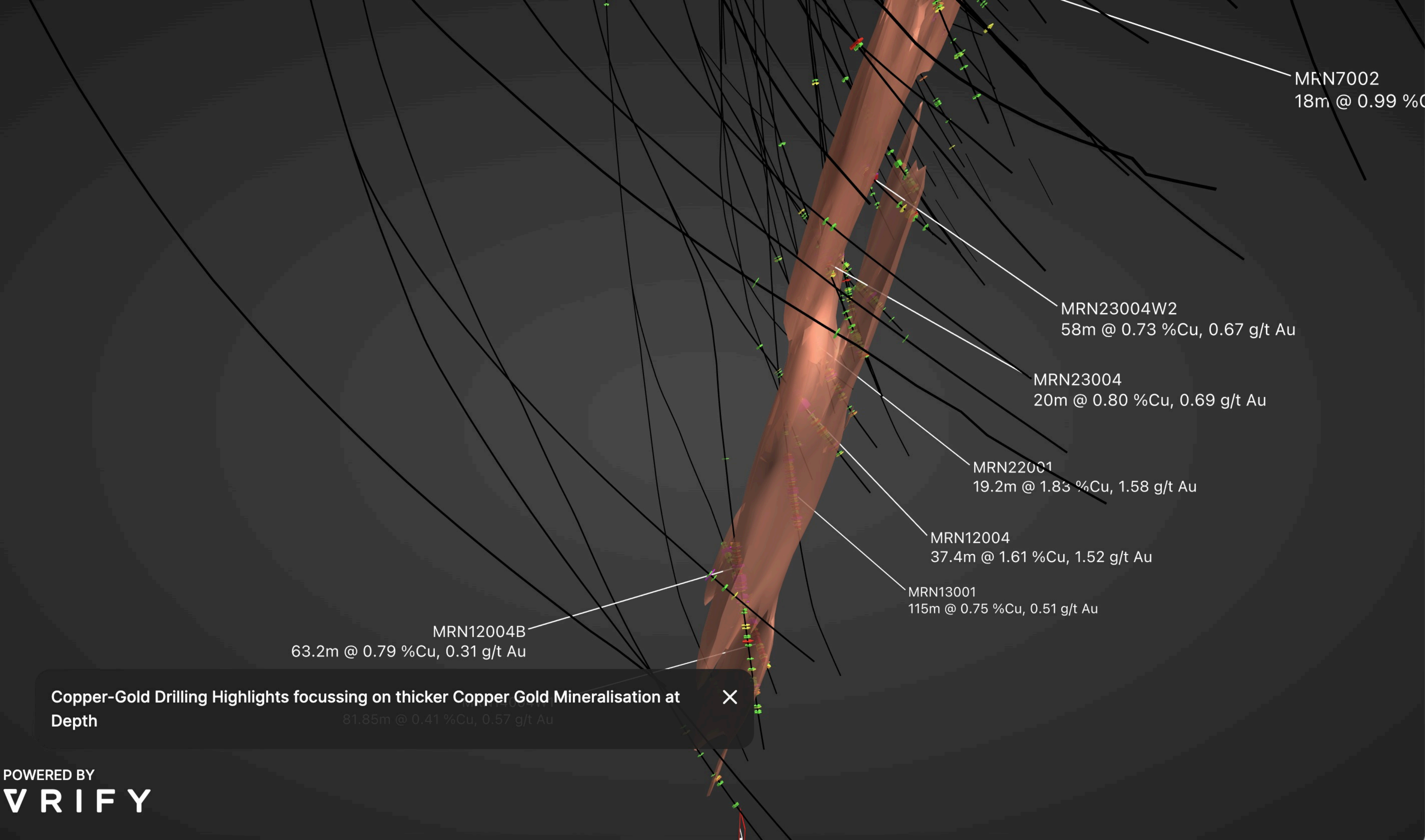
MRN17002  
18m @ 0.99 %Cu, 0.70 g/t Au

MRN23007  
9m @ 1.78 %Cu, 2.41 g/t Au

MRN23013  
9m @ 1.78 %Cu, 0.63 g/t Au

Global 2024 Copper-Gold Resource X





Copper-Gold Drilling Highlights focussing on thicker Copper Gold Mineralisation at Depth

81.85m @ 0.41 %Cu, 0.57 g/t Au



# Metallurgical Results from Sighter Tests\*

- Preliminary flotation work on the two separate silver-lead ore types have returned:
  - Strong recoveries of both silver and lead
  - Lead concentrates with exceptionally high silver grades (**932-1485 g/t**), underlining their strong revenue potential
- Comminution work has shown the silver-lead and copper-gold ore types are easy to grind and can be classified as “**Soft to Medium**” providing significant processing cost advantages
- Copper test work on transitional and fresh mineralisation:
  - Strong recoveries (**85-90%**)
  - Saleable product (grading **25-27% copper**) can be concentrated



# Permitting Studies

Data collection on critical path items:

- Flora and fauna
- Surface water
- Ground water

Technical assessment:

- Geotechnical
- Metallurgical

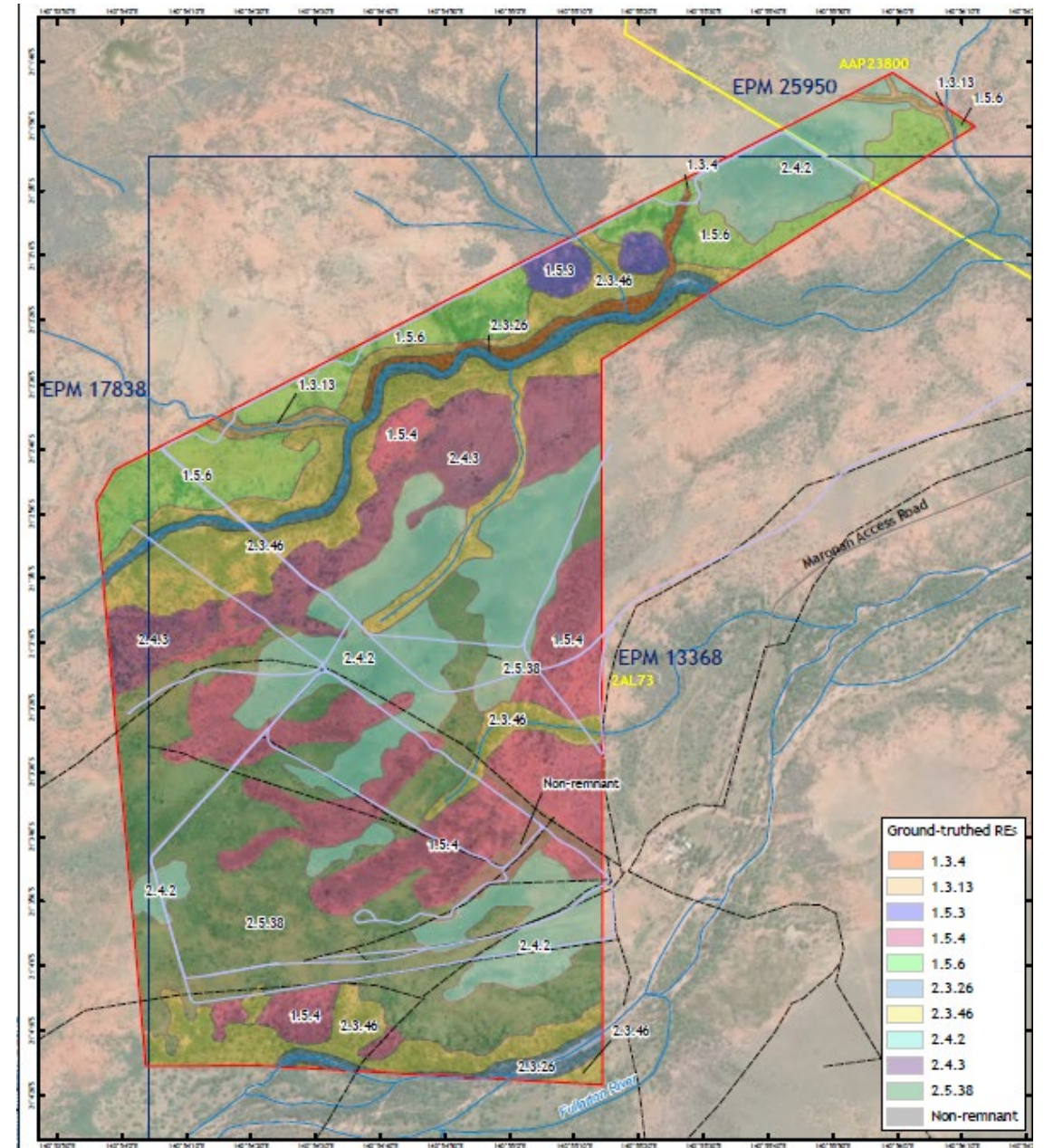
Early engagement on potential infrastructure:

- Conceptual Site layout
- Utilities – power and water

Stakeholder engagement.



\* ASX:MMA 17 April 2024 – Very Positive Preliminary Metallurgical Test Work on Maronnan





# The year ahead – ‘building on a strong foundation’

- Complete the 7,000m to 10,000m drilling program.
- Undertake resource update.
- Advance project related studies.
- Assess and rank options for developing the project.
- Develop financial models for options at Scoping Study level.
- Design the next phase of resource drilling.
- Pursue a wide range of options for funding necessary activities.
- Maintain a watching brief for opportunities to grow the company.
- Continue stakeholder engagement with Landowner, Traditional Owners, Local & State Government and Regulators.







## Contact Us

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This presentation has been approved for release by the Board of  
Maronan Metals Limited – 14 November 2024





# APPENDIX 1- ASX:MMA 12 March 2024 Updated Mineral Resource\* Silver-Lead

| Total Maronan<br>Silver-Lead Sulphide<br>>3% Lead% Cut-off<br>JORC 2012 | Million<br>Tonnes | Grade<br>Lead<br>% | Grade<br>Silver<br>g/t | Contained<br>Lead<br>Tonnes | Contained<br>Silver<br>Million Oz |
|-------------------------------------------------------------------------|-------------------|--------------------|------------------------|-----------------------------|-----------------------------------|
| <b>Shallow Starter Zone</b>                                             |                   |                    |                        |                             |                                   |
| Indicated                                                               | 2.1               | 5.3                | 155                    | 110,000                     | 10.3                              |
| Inferred                                                                | 9.0               | 5.3                | 101                    | 480,000                     | 29.5                              |
| Inferred & Indicated                                                    | 11.1              | 5.3                | 111                    | 590,000                     | 39.8                              |
| <b>Outside Shallow Starter Zone</b>                                     |                   |                    |                        |                             |                                   |
| Inferred                                                                | 21.0              | 6.5                | 105                    | 1,370,000                   | 70.8                              |
| <b>Total (Global) Resource</b>                                          |                   |                    |                        |                             |                                   |
| Inferred & Indicated                                                    | 32.1              | 6.1                | 107                    | 1,960,000                   | 110.6                             |



\* ASX:MMA 12 March 2024 – Updated Resource Estimate

Maronan Metals - Noosa Mining Conference 2024

# APPENDIX 1- ASX:MMA 12 March 2024 Updated Mineral Resource\* Copper-Gold

| Ore Types<br>>0.4% Copper<br>Cut-off<br>JORC 2012 | Million<br>Tonnes | Grade<br>Copper<br>% | Grade<br>Gold<br>g/t | Grade<br>Silver<br>g/t | Contained<br>Copper<br>tonnes | Contained<br>Gold<br>Oz | Contained<br>Silver<br>Million Oz |
|---------------------------------------------------|-------------------|----------------------|----------------------|------------------------|-------------------------------|-------------------------|-----------------------------------|
| Weathered Inferred                                | 1.6               | 0.77                 | 0.72                 | 8                      | 12,000                        | 36,000                  | 0.4                               |
| Transitional Inferred                             | 7.1               | 0.77                 | 0.40                 | 4                      | 55,000                        | 91,000                  | 1.0                               |
| Fresh Inferred                                    | 23.8              | 0.86                 | 0.67                 | 8                      | 205,000                       | 513,000                 | 5.8                               |
| <b>Total</b>                                      | <b>32.5</b>       | <b>0.84</b>          | <b>0.61</b>          | <b>7</b>               | <b>272,000</b>                | <b>640,000</b>          | <b>7.2</b>                        |





## APPENDIX 1 - ASX:MMA 12 March 2024 Updated Mineral Resource\* Gold-only

| Gold-Only<br>>1g/t Gold Cut-off<br>JORC 2012 | Million<br>Tonnes | Grade<br>Gold<br>g/t | Contained<br>Gold<br>Oz |
|----------------------------------------------|-------------------|----------------------|-------------------------|
| Fresh Inferred                               | 1.8               | 1.24                 | 72,000                  |

