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ASX:TOK, OTCQX: TOLUF

ASX, OTCQX Announcement

14 November 2024

## Taula Exploration Extends Tolukuma Mineralisation to the Southeast

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### HIGHLIGHTS:

- Tolu Minerals has completed its nine diamond drillhole program at the Taula vein, utilising its own diamond drill rig and drilling crew.
  - Results include high grade gold intersections along a structural inflexion zone where drillhole TDH08 intersected 1.0m @ 61.20 g/t Au + 1979 g/t Ag within a broader mineralised zone of 4.80m @ 22.79 g/t Au + 513.2 g/t Ag.
  - From surface trench and rock samples, the Taula system of veins extends to over 1,500m strike length and is open to the North and South.
  - Drilling by Tolu Minerals extends known gold mineralised at depth to over 450m along strike and evaluation is underway for a maiden JORC Resource.
  - Confirms the validity of previous 3D Induced Polarisation and Airborne Magneto Telluric surveys as an effective exploration tool.
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Iain Macpherson, MD & CEO of Tolu Minerals Ltd. said:

*"It is exceptionally pleasing that Tolu has achieved this very important and significant milestone in the execution of the Company's strategy of leveraging the existing Tolukuma infrastructure and proven operational performance, to substantially extend the Mineral Resource Estimate and ultimately redevelop Tolukuma into a major new gold/silver producer. It is also confirmation of the validity of Tolu's previously released Exploration Target focussed on the Southern and Eastern areas of the mining lease and surrounding exploration license<sup>1</sup>.*

*This program is the first absolute verification that Tolu's geophysical programs including historical, 3D Induced Polarisation and the more recent Airborne Magneto Telluric survey<sup>2</sup>*

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<sup>1</sup> Market release "Tolukuma Exploration Update" dated 11 December 2023, [Investor Centre | Tolu Minerals](#)

<sup>2</sup> Market release "Initial Airborne MT Results" dated 9 September 2024, [Investor Centre | Tolu Minerals](#)

*provide an effective tool for targeted exploration. The small, nine-hole Taula diamond drilling program, utilising our own equipment, planned on a combination of the geophysical results and surface exploration, has defined a further zone of gold mineralisation at depth extending over 450m of strike that is open ended to the North and South. The confirmation of higher-grade gold and silver zones along structural inflexion zones is an important indication, as that was an important feature of mining at Tolukuma.*

*This drilling program has demonstrated strong results extending mineralisation further to the South of Tolukuma mine. This represents an important milestone as it is the first drilling program out of the ML and having confirmed the geophysical results, it is now a relatively simple exercise to connect the dots to expand the Mineral Resource Estimate Resources that may be exploited by existing infrastructure well into the future.”*

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**Tolu Minerals Limited (“Tolu” or “the Company”)** is pleased to announce the completion of its maiden drilling program at the Taula gold and silver epithermal vein system located 4.5km Southeast from the Tolukuma gold mine (Figure 1). A total of nine diamond core drillholes have been completed for a total of 638.85 metres drilled, following the purchase of Tolu’s man-portable diamond drill rig (Photo 1) for this and continuing surface exploration within the Mining Lease, ML104.

The 200m line spaced final airborne MT results <sup>3</sup> confirm the historical ground 3DIP/Conductivity findings that the Tolukuma vein extends to the South toward the Milihamba prospect (Figure 2). The Taula, Sisimonda and Tolukuma veins to the South can be traced from historical 3DIP/Conductivity ground geophysics (Figure 3) that require follow-up drilling. The 75m line spaced Airborne MT results covering the same area are expected to provide additional guidance to sub-surface mineralisation South and East of the mine.

The Tolu drilling program followed-up from historical drilling results (Figure 5), surface trench and rock sampling results. Previous surface exploration by Tolu (Figure 6) extended the gold and silver mineralisation at surface to over a 1,500m strike length, with mineralisation open to the Northwest and Southeast.

Taula drillholes extend the sub-surface gold mineralisation to over 450m strike length, intersecting multiple veins, with grades significantly increasing along a structural flexure zone (Figure 4). At the Tolukuma mine, similar high grade zones occur at vein intersections and structural flexure zones.

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<sup>3</sup> Market release “Initial Airborne MT Results” dated 9 September 2024, [Investor Centre | Tolu Minerals](#)

Significant drillhole intercepts at Taula (Table 1):

**TDH07 & 08 (Figure 9)**

**TDH08:** 4.80 m @ 22.79 g/t Au + 513 g/t Ag from 76m,  
Including 1m @ 61.2 g/t Au + 1979 g/t Ag from 78m

**TDH07:** 5.0m @ 9.69 g/t Au from 44m,  
Including 1.0m @ 26.7 g/t Au + 59.7 g/t Ag from 46m

These drillholes are located along a “structural inflexion zone” and confirm high gold and silver grades from historical surface sampling and drilling (Refer to ASX Announcements dated 4 March 2024), which include:

**Trench TT016:** 9.0m @ 9.25 g/t Au, including 2m @ 25.85 g/t Au + 312 g/t Ag

**Drillhole SSD010:** 1.7m @ 12.55 g/t Au from 31.1m

**Drillhole SSD011:** 4.2m @ 8.47 g/t Au from 66m

An interpreted offset structural fault between THH08 and TDH09 remains to be confirmed by trench sampling.

**TDH02 & 03 (Figure 7)**

**TDH03:** 1.0m @ 17.80 g/t Au from 78.10m

**TDH02:** 4.7m @ 5.79 g/t Au from 30.40m,  
Including 1.9m @ 11.9 g/t Au + 191 g/t Ag from 32.40m

These drillholes followed-up historical results, which include:

**Drillhole SSD001:** 0.6m @ 7.05 g/t Au

**Trench TT009:** 8.0m @ 2.83 g/t Au, including 1m @ 11.15 g/t Au + 15.45 g/t Ag

**TDH05 & 06 (Figure 8)**

**TDH05:** 5.0m @ 2.64 g/t Au from 54.5m (Figure 6),  
Including 1m @ 7.73 g/t Au from 54.50m

**TDH06:** 7.0m @ 2.43 g/t Au from 28.5m (Figure 6),  
Including 1m @ 7.57 g/t Au from 30.5m

TDH06 tested the high gold values in Trench TT017 of 2m @ 13.7 g/t Au + 51.3 g/t Ag, including 1m @ 26.7 g/t Au + 98.5 g/t Ag.

TDH05 tested the gold values in Trench TT014 of 5.0m 2.14 g/t Au + 27.62 g/t Ag.

Based on the MRE tonnes and grades, extension of the Tolukuma vein system, grades from the Milihamba prospect drilling, grades from drilling at Taula, Sisimonda and Kimono, grades and tonnage of the Saki Inferred Resource and trench sampling grades from the broader Saki-

Yava-Soju-Salat system of gold veins (Figure 1), Tolu Minerals have developed an Exploration Target of 2 to 3 Moz Au grading 8 to 11 g/t Au (ASX Announcement 11 December 2023).

With the completion of drilling at Taula, the Company's diamond drill rig was re-mobilised to the mine site to continue with drilling and exploring for additional gold resources for future life of mine extensions.



***Photo 1: Tolu's Diamond Drill Rig and Crew at TDH03***

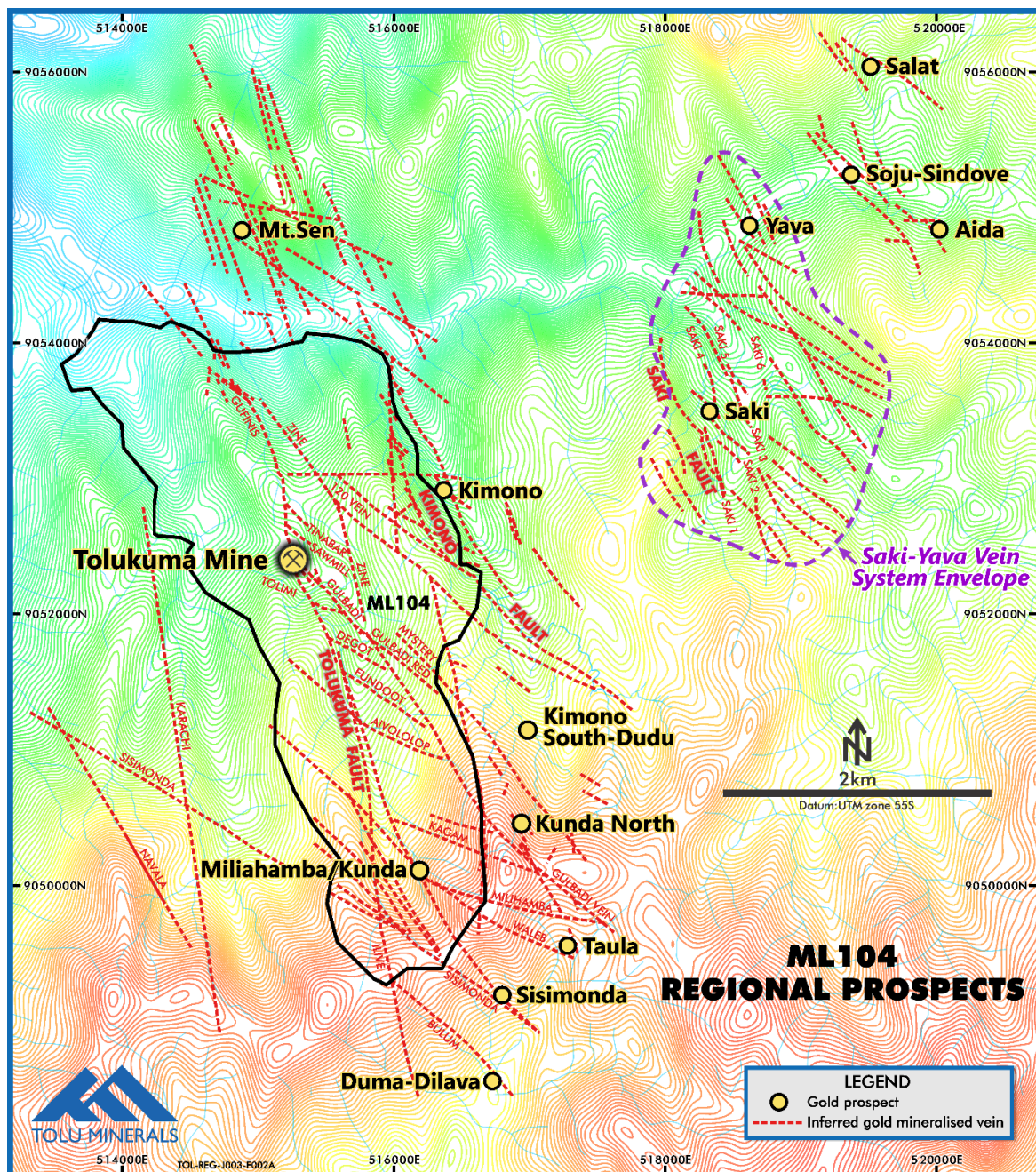
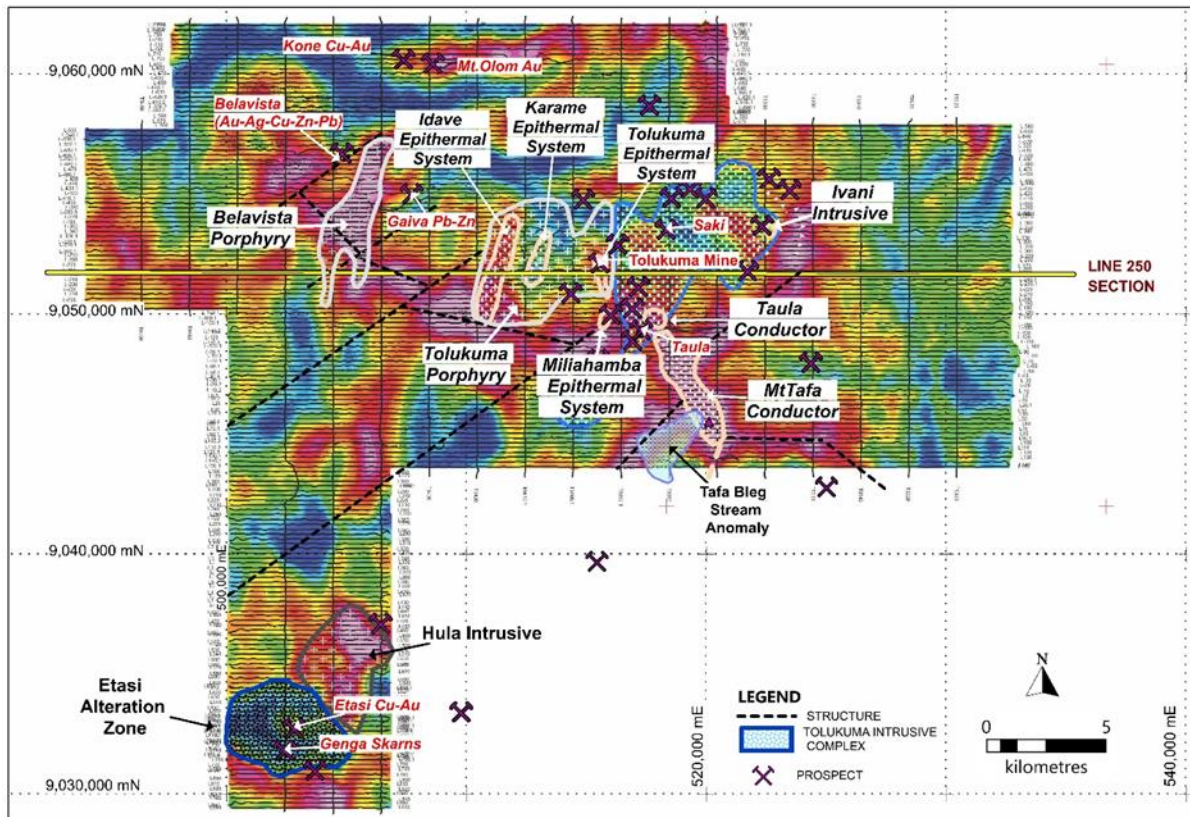
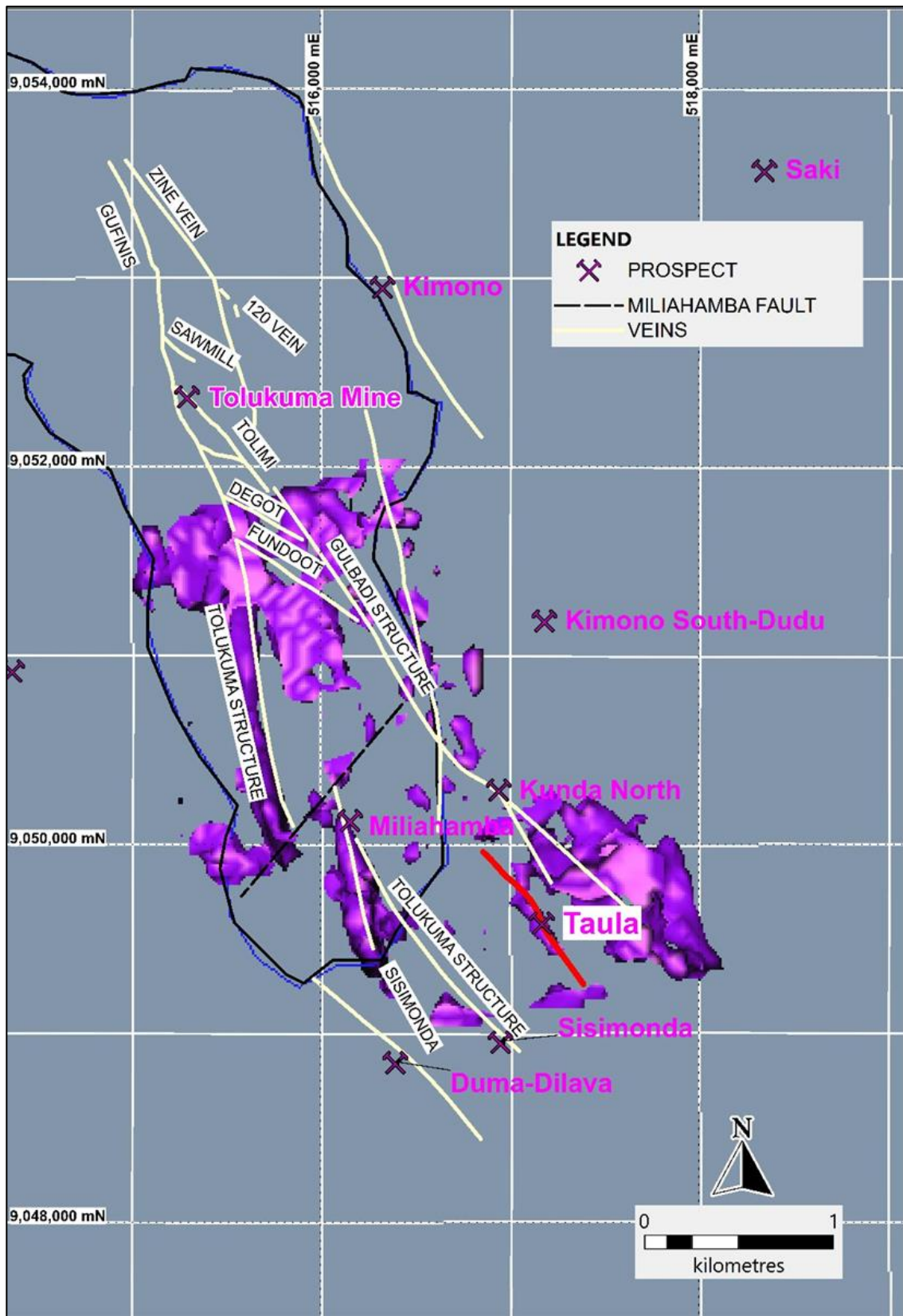


Figure 1: Tolu Prospects and Location of Taula Prospect



**Figure 2: Interpreted Targets within Airborne MT Image (223Hz)**



**Figure 3: Mineralised Vein Systems and Historical Ground Geophysical Modelled High Conductivities**

**Table 1: Significant Drillhole Intersections (Downhole Widths)**

| Hole ID | From (m) | To (m) | Significant Intersection - Downhole Depth (0.5 g/t Au cut-off)                                           | Description                                              |
|---------|----------|--------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| TDH01   | 8.50     | 9.50   | 1.0m @ 1.99 g/t Au from 8.50m                                                                            | Volcanic breccia                                         |
|         | 16.50    | 18.50  | 2.0m @ 1.61 g/t Au from 16.50m                                                                           | Taula vein                                               |
|         | 21.0     | 22.0   | 1.0m @ 0.84 g/t Au from 21.0m                                                                            | Taula vein                                               |
| TDH02   | 1.60     | 2.60   | 1.0m @ 0.84 g/t Au from 1.60m                                                                            | Weathered volcanics                                      |
|         | 13.60    | 14.60  | <b>1.0m @ 5.35 g/t Au from 13.60m</b>                                                                    | Volcanic breccia                                         |
|         | 16.60    | 19.25  | 2.7m @ 0.75 g/t Au from 16.60m                                                                           | Volcanic breccia                                         |
|         | 22.30    | 23.40  | 1.0m @ 1.54 g/t Au from 22.30m                                                                           | Taula vein                                               |
|         | 30.40    | 35.10  | <b>4.7m @ 5.79 g/t Au from 30.40m<br/>Including 1.9m @ 11.9 g/t Au + 191 g/t Ag from 32.40m</b>          | Taula vein                                               |
| TDH03   | 78.10    | 79.10  | <b>1.0m @ 17.80 g/t Au from 78.10m</b>                                                                   | Taula vein                                               |
|         |          |        |                                                                                                          |                                                          |
| TDH04   |          |        | No significant intersection                                                                              |                                                          |
|         |          |        |                                                                                                          |                                                          |
| TDH05   | 35.50    | 36.50  | 1.0m @ 1.57 g/t Au from 35.50m                                                                           | Volcanics                                                |
|         | 54.50    | 59.50  | 5.0m @ 2.64 g/t Au from 54.50m<br><b>Including 1m @ 7.73 g/t Au from 54.50m</b>                          | Taula vein                                               |
|         |          |        |                                                                                                          |                                                          |
| TDH06   | 15.50    | 16.50  | 1.0m @ 1.99 g/t Au from 15.50m                                                                           | Bleached Volcanics                                       |
|         | 20.50    | 21.50  | 1.0m @ 2.50/t Au from 20.50m                                                                             | Fault zone                                               |
|         | 28.50    | 35.50  | 7.0m @ 2.43 g/t Au from 28.50m<br><b>Including 1m @ 7.57 g/t Au from 30.50m</b>                          | Breccia zone                                             |
|         |          |        |                                                                                                          |                                                          |
| TDH07   | 44.00    | 49.00  | <b>5.0m @ 9.69 g/t Au from 44m<br/>Including 1.0m @ 26.7 g/t Au + 59.7 g/t Ag from 46m</b>               | Hydrothermal breccia<br><i>Structural inflexion zone</i> |
|         | 51.00    | 53.00  | 2.0m @ 0.59 g/t Au from 51m                                                                              | Hydrothermal breccia<br><i>Structural inflexion zone</i> |
|         |          |        |                                                                                                          |                                                          |
| TDH08   | 68.00    | 69.00  | 1.0m @ 1.20 g/t Au from 68m                                                                              | Volcanics                                                |
|         | 76.00    | 80.80  | <b>4.80 m @ 22.79 g/t Au + 513 g/t Ag from 76m<br/>Including 1m @ 61.2 g/t Au + 1979 g/t Ag from 78m</b> | Taula vein<br><i>Structural inflexion zone</i>           |
|         | 88.20    | 92.45  | 4.30 m @ 1.86 g/t Au + 63.1 g/t Ag from 88.20m<br>Including 1m @ 4.14 g/t Au + 99.6 g/t Ag from 88.20m   | Taula Alteration<br><i>Structural inflexion zone</i>     |
|         |          |        |                                                                                                          |                                                          |
| TDH09   | 44.00    | 45.00  | 1.0m @ 1.03 g/t Au from 44m                                                                              | Taula vein                                               |
|         | 47.00    | 48.00  | 1.0m @ 0.74 g/t Au from 47m                                                                              | Taula vein alteration                                    |

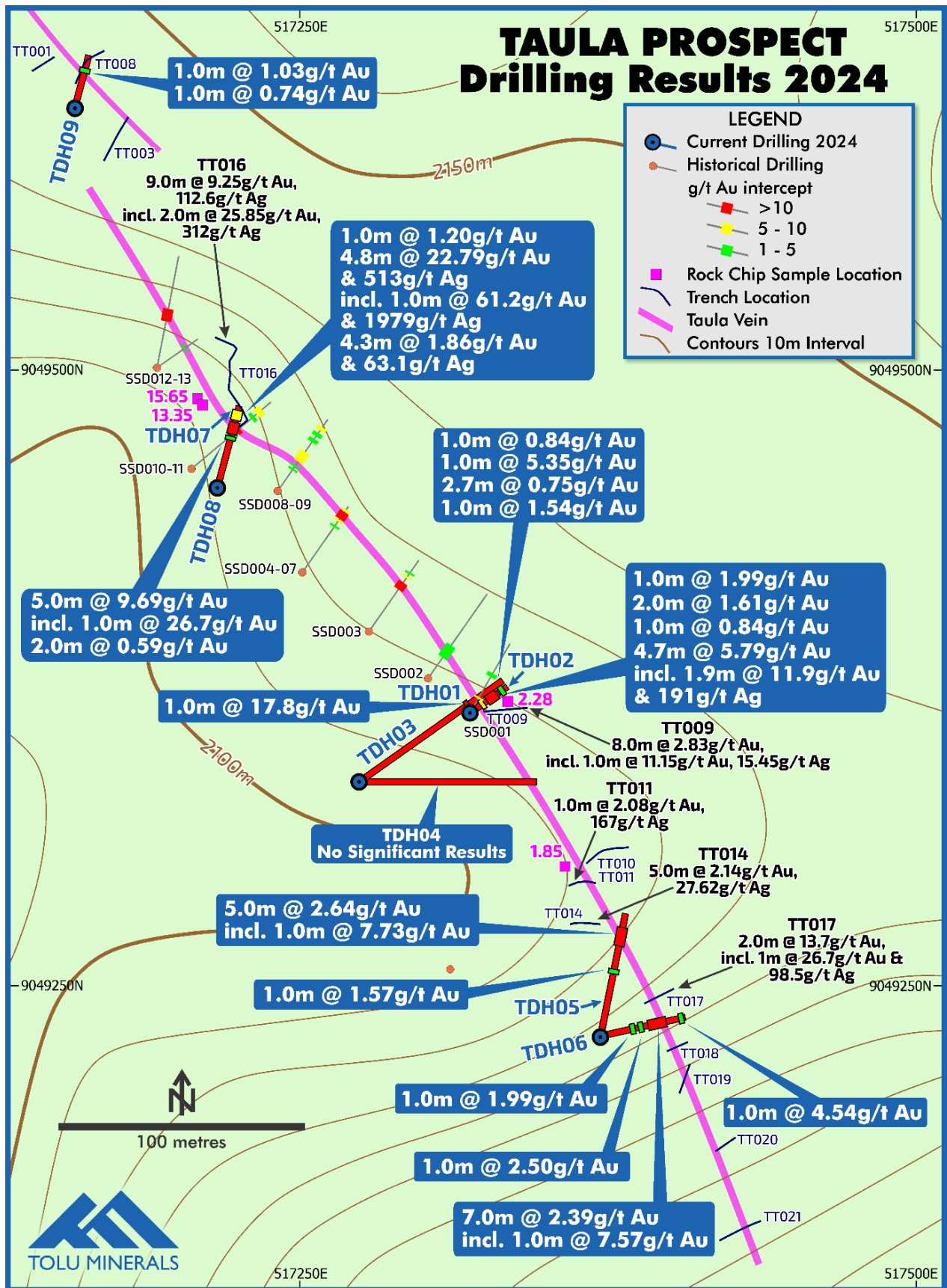
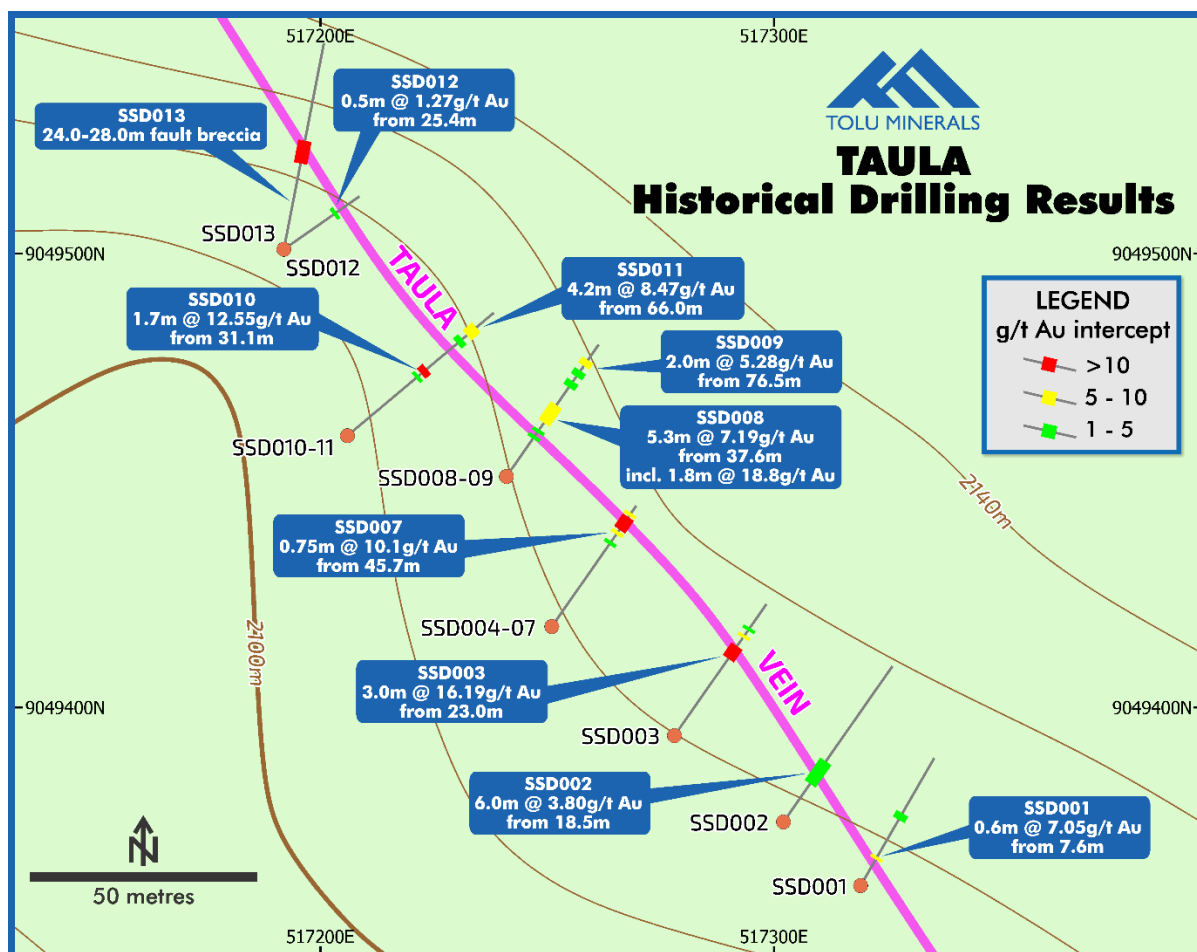


Figure 4: Plan View of Taula Diamond Drillholes and Assay Highlights



**Figure 5: Plan View of Historical Drillholes and Assay Highlights**

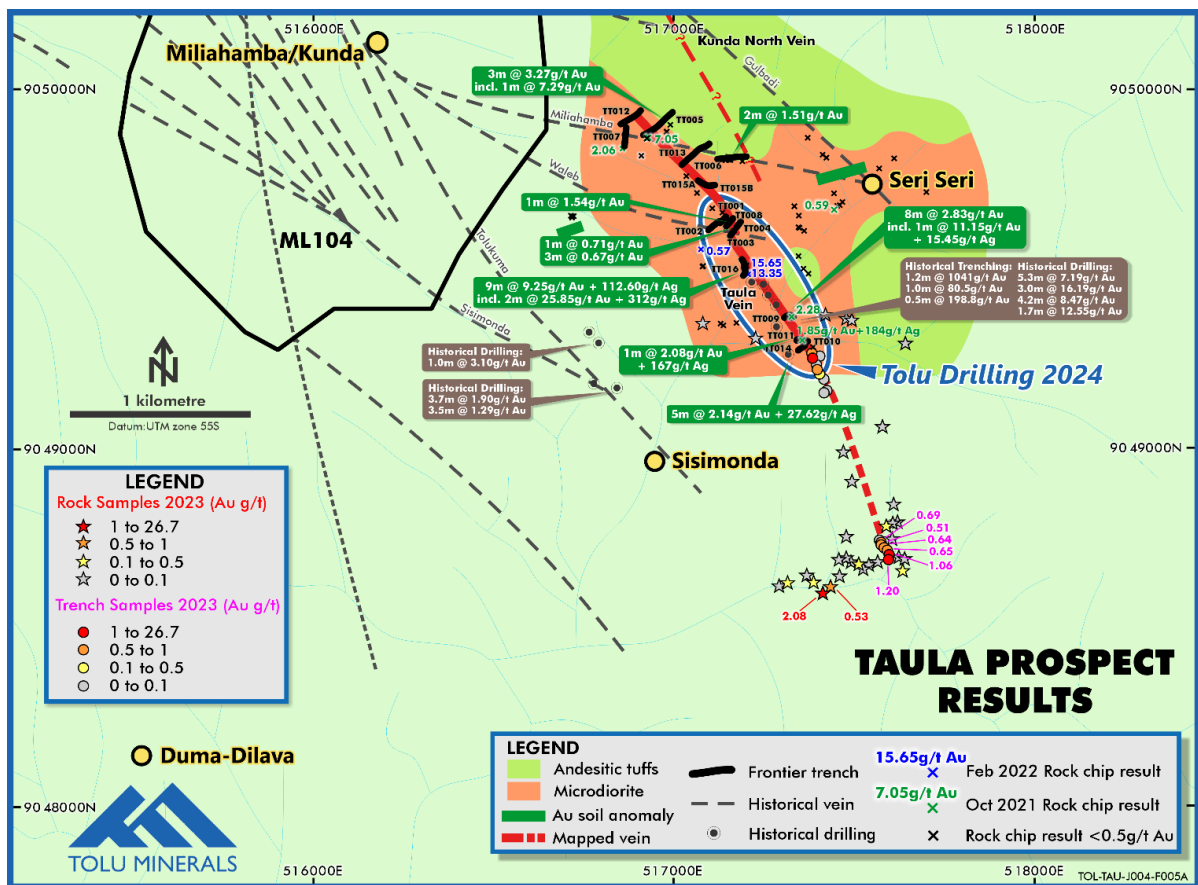


Figure 6: Taula Vein System and Historical Assay Results

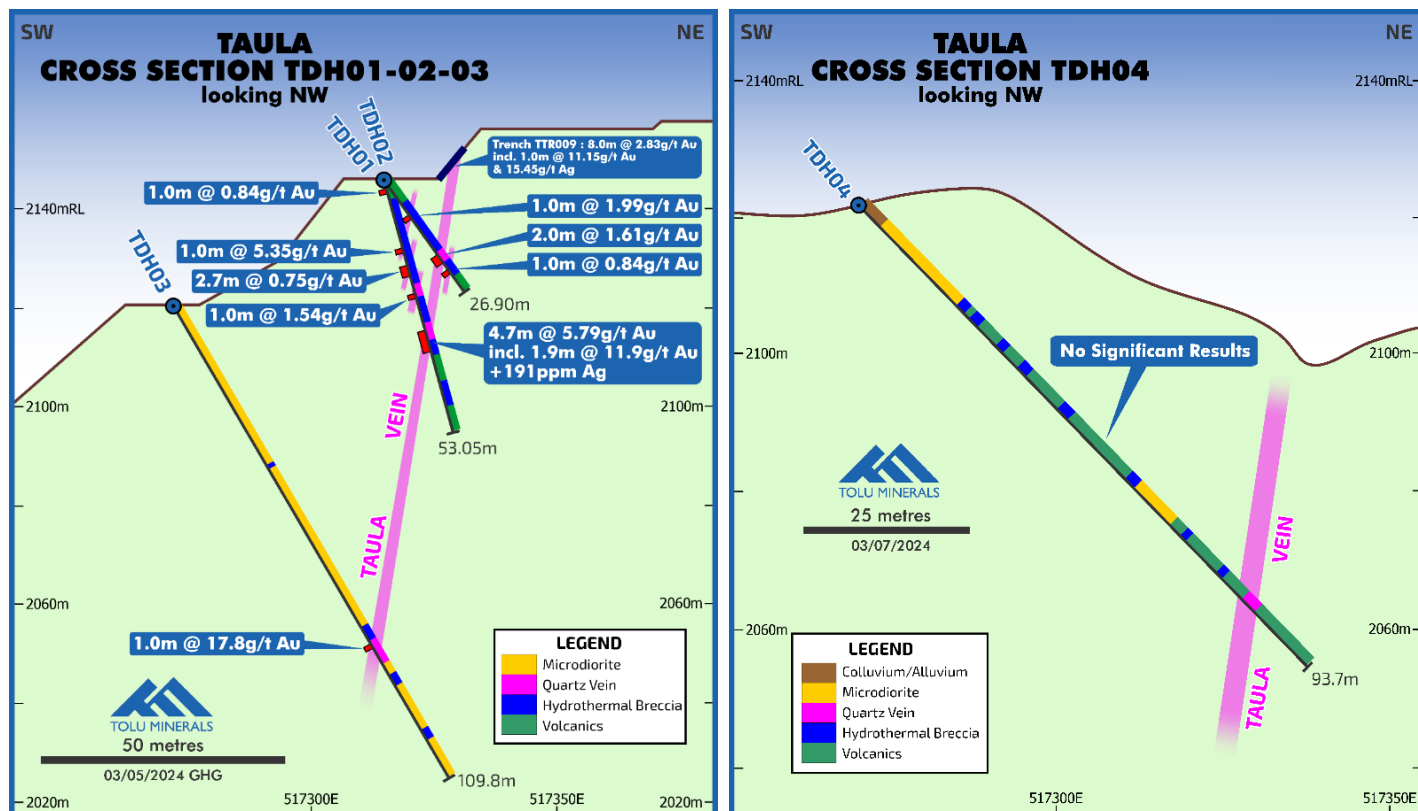


Figure 7: Cross-Sections of TDH01 to 03 (Left) and TDH04 (right) with Assay Results

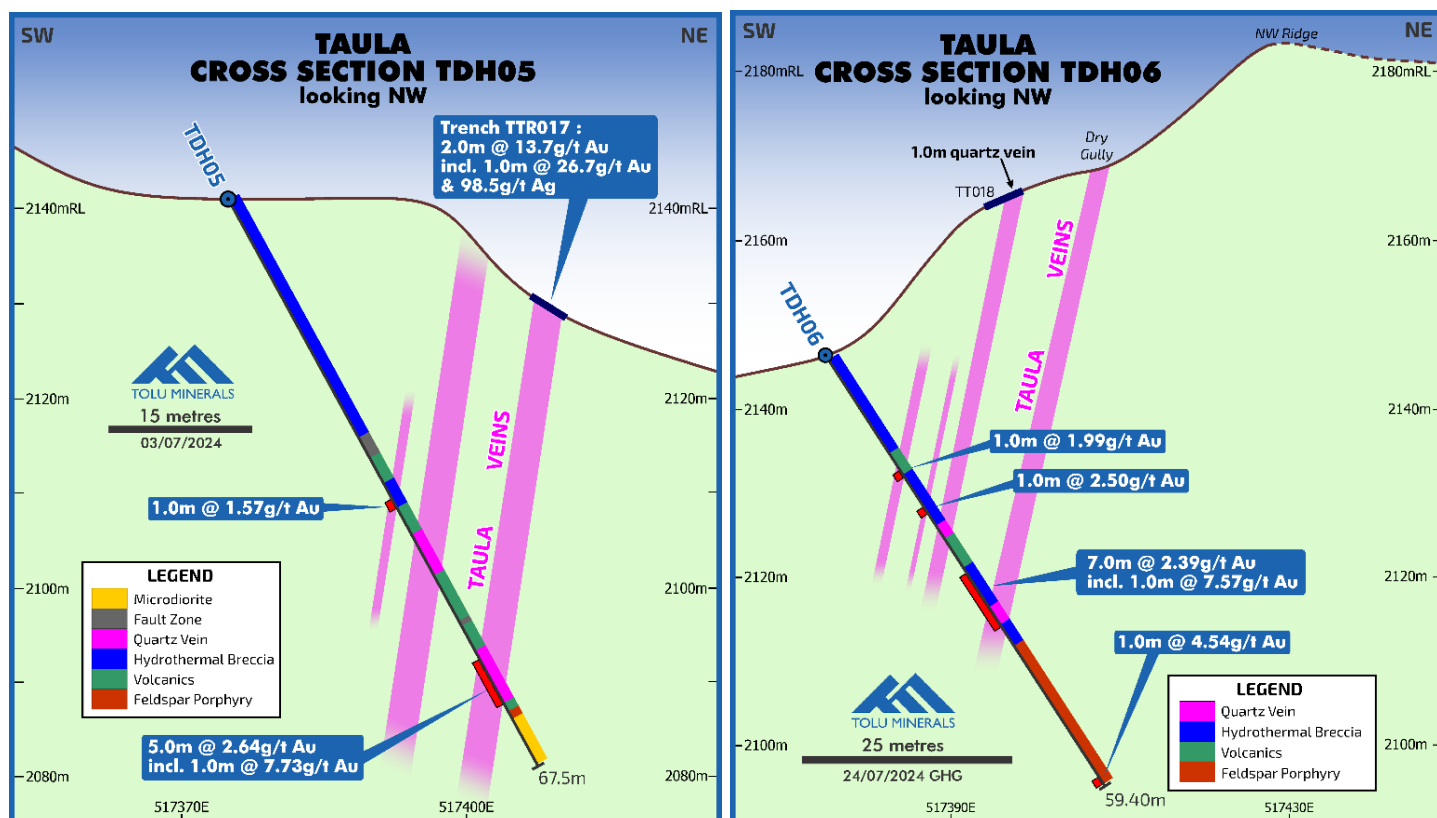
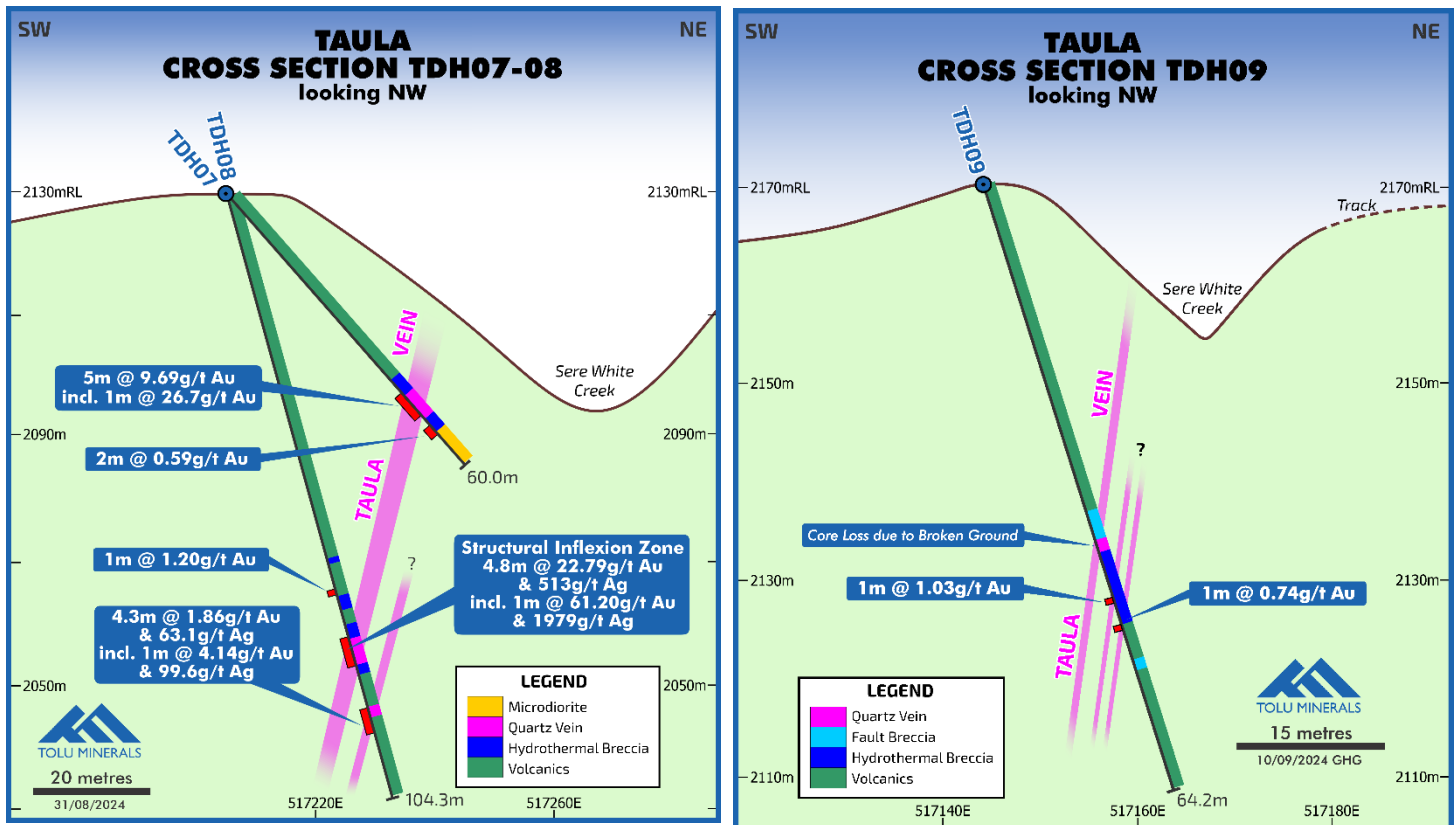


Figure 8: Cross-Sections of TDH05 (Left) and TDH06 (right) with Assay Results



**Figure 9: Cross-Sections of TDH07 to 08 (Left) and TDH09 (right) with Assay Results**

### Drill Core Observations

TDH01: The Taula Vein was intersected between 16.5 m and 18.5 m (drill width) and is comprised of broken fragments of fine massive quartz or vuggy quartz mixed with soft clay indicating considerable post-mineral structural dislocation (Table 2 and Photo 3).

TDH02: Two veins were intersected between 22.5-23.7m and 30.4-38.15 m (drill widths). The veins consist of brecciated vuggy quartz very similar in appearance to the Tolukuma Vein (Photo 2).



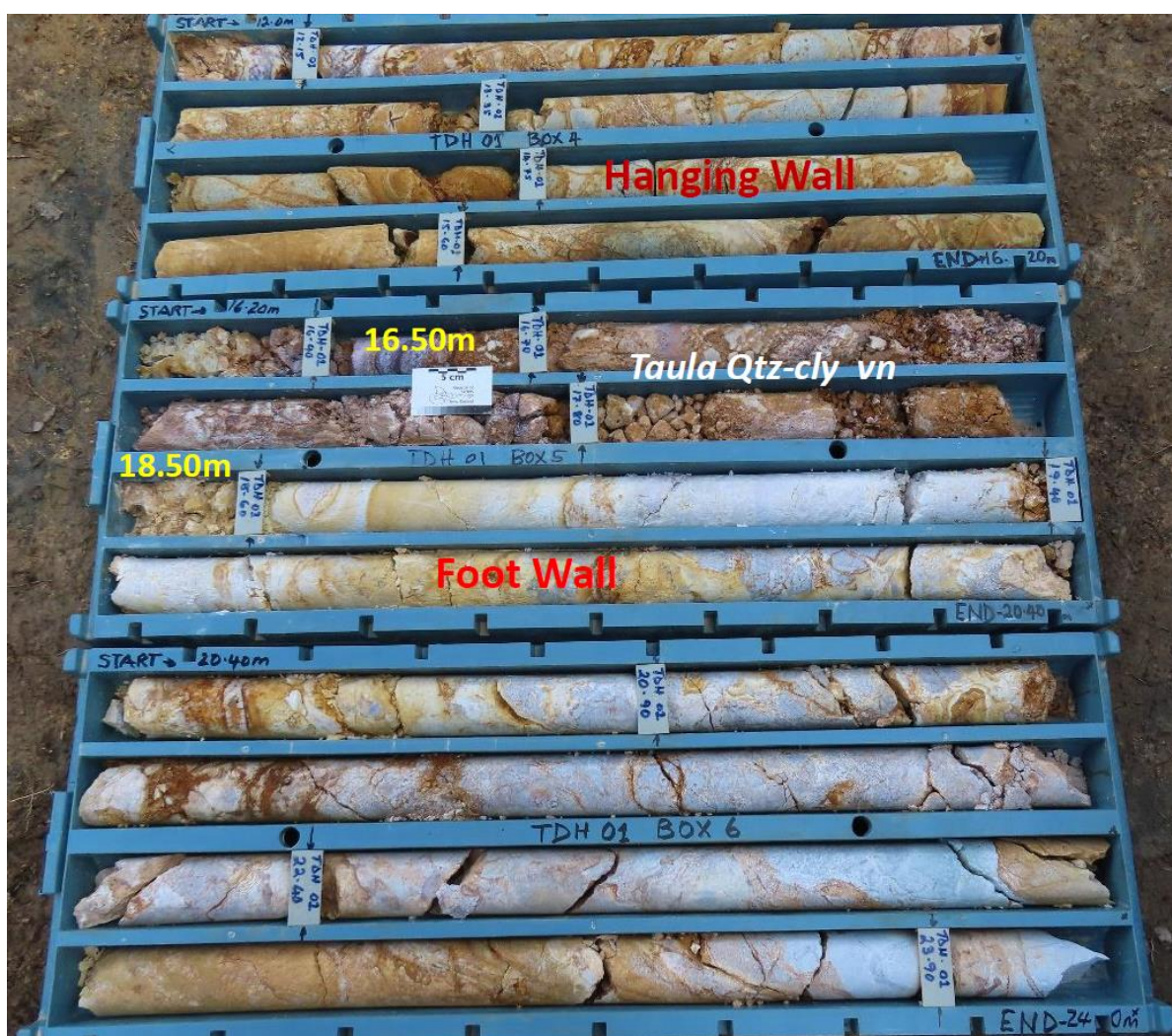
**Photo2: Vuggy Colloform Banded Quartz in Taula Vein TDH02 at 23m Depth**

TDH03: The Taula Vein is highly brecciated due to post-mineral dislocation and consists of numerous small broken quartz fragments mixed with clay.

Flanking the veins are well-developed zones of brecciation and quartz veining up to +10m wide in the hanging wall and over narrower intervals in the footwall. The degree of crackle brecciation and stockworking appears more pronounced than at Tolukuma.

**Table 2: Summary Log for TDH01 (refer to Photo 3)**

| Depth (m) |       | SUMMARY GEOLOGY DESCRIPTION                                                                                                                                            |
|-----------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From      | To    |                                                                                                                                                                        |
| 0.00      | 0.70  | Alluvium/Colluvium- Greyish green, angular-subangular volcanic rock fragments with soil.                                                                               |
| 0.70      | 8.80m | Weathered volcanics, moderately weathered, locally shattered, fractured hosting limonite-clay-sericite + quartz. A 2cm saccharoidal quartz-clay vein from 2.60m-2.80m. |
| 8.80      | 16.50 | Sheared volcanic breccia-greyish white, brown, faulted, sheared. Volcanic breccia hosting Quartz-clay with moderate oxidation.                                         |
| 16.50     | 23.80 | <b>Taula Vein.</b> Greyish white, brown hosting Quartz-Adularia-sericite-clay. Tuff with crumbled Quartz veins from 16.50-18.50m.                                      |
| 23.80     | 26.90 | Undifferentiated Intrusive/Volcanics, propylitic altered, fresh to weakly fractured hosting sheeted quartz-carbonate veins.                                            |



**Photo 3: TDH01 Drill Core Showing Taula Quartz Vein from 16.50m to 23.90m  
(Taula Structure and alteration zone is about 17.80m wide from 6m downhole depth)**

**Table 3: Tolu Diamond Drill Hole Collar Table**

| Drill ID | Easting | Northing | RL (m) | Depth (m) | Dip (Deg) | Azimuth (Deg) |
|----------|---------|----------|--------|-----------|-----------|---------------|
| TDH01    | 517317  | 9049358  | 2145   | 26.90     | -55       | 55            |
| TDH02    | 517317  | 9049358  | 2145   | 53.05     | -75       | 55            |
| TDH03    | 517269  | 9049338  | 2105   | 109.80    | -60       | 55            |
| TDH04    | 517269  | 9049338  | 2105   | 93.70     | -45       | 90            |
| TDH05    | 517377  | 9049233  | 2145   | 67.50     | -60       | 10            |
| TDH06    | 517377  | 9049233  | 2145   | 59.40     | -55       | 85            |
| TDH07    | 517206  | 9049459  | 2129   | 60.00     | -50       | 15            |
| TDH08    | 517206  | 9049459  | 2129   | 104.30    | -70       | 15            |
| TDH09    | 517143  | 9049617  | 2170   | 64.20     | -72       | 15            |

**Table 4: Taula Drillhole Assay Results (Downhole Widths)**

| Hole ID | From  | To    | Length (m) | Sample_ID | Au (g/t) | Ag (g/t) |
|---------|-------|-------|------------|-----------|----------|----------|
| TDH01   | 4.5   | 5.5   | 1          | 40601     | 0.02     | 0.22     |
| TDH01   | 5.5   | 6.5   | 1          | 40602     | 0.02     | 0.45     |
| TDH01   | 6.5   | 7.5   | 1          | 40603     | 0.03     | 0.3      |
| TDH01   | 7.5   | 8.5   | 1          | 40604     | 0.01     | 0.15     |
| TDH01   | 8.5   | 9.5   | 1          | 40605     | 1.99     | 2.66     |
| TDH01   | 9.5   | 10.5  | 1          | 40606     | 0.33     | 0.51     |
| TDH01   | 10.5  | 11.6  | 1.1        | 40607     | 0.08     | 0.33     |
| TDH01   | 11.6  | 12    | 0.4        | 40608     | 0.2      | 0.41     |
| TDH01   | 12    | 12.5  | 0.5        | 40609     | 0.1      | 0.72     |
| TDH01   | 12.5  | 13.5  | 1          | 40610     | 0.14     | 3.25     |
| TDH01   | 13.5  | 14.5  | 1          | 40611     | 0.01     | 0.42     |
| TDH01   | 14.5  | 15.5  | 1          | 40612     | 0.14     | 4.64     |
| TDH01   | 15.5  | 16.5  | 1          | 40613     | 0.03     | 1.88     |
| TDH01   | 16.5  | 17.5  | 1          | 40614     | 1.77     | 8.74     |
| TDH01   | 17.5  | 18.5  | 1          | 40615     | 1.45     | 4.46     |
| TDH01   | 18.5  | 19.5  | 1          | 40616     | 0.31     | 1.35     |
| TDH01   | 19.5  | 20    | 0.5        | 40617     | 0.04     | 0.28     |
| TDH01   | 20    | 21    | 1          | 40618     | 0.07     | 1.04     |
| TDH01   | 21    | 22    | 1          | 40619     | 0.84     | 2.22     |
| TDH01   | 22    | 23    | 1          | 40620     | 0.1      | 3.56     |
| TDH01   | 23    | 24    | 1          | 40621     | 0.11     | 1.45     |
| TDH01   | 24    | 25    | 1          | 40622     | 0.06     | 0.66     |
| TDH01   | 25    | 26    | 1          | 40623     | 0.02     | 1.3      |
| TDH01   | 26    | 26.9  | 0.9        | 40624     | 0.01     | 0.45     |
|         |       |       |            |           |          |          |
| TDH02   | 0.6   | 1.6   | 1          | 40625     | 0.07     | 0.35     |
| TDH02   | 1.6   | 2.6   | 1          | 40626     | 0.84     | 0.4      |
| TDH02   | 2.6   | 3.6   | 1          | 40627     | 0.01     | 0.17     |
| TDH02   | 3.6   | 4.6   | 1          | 40628     | 0.01     | 0.28     |
| TDH02   | 4.6   | 5.6   | 1          | 40629     | 0.01     | 0.08     |
| TDH02   | 5.6   | 6.6   | 1          | 40630     | 0.03     | 0.1      |
| TDH02   | 6.6   | 7.6   | 1          | 40631     | 0.09     | 0.14     |
| TDH02   | 7.6   | 8.6   | 1          | 40632     | 0.03     | 0.23     |
| TDH02   | 8.6   | 9.6   | 1          | 40633     | 0.02     | 1.05     |
| TDH02   | 9.6   | 10.6  | 1          | 40634     | 0.03     | 1.36     |
| TDH02   | 10.6  | 11.6  | 1          | 40635     | 0.01     | 0.8      |
| TDH02   | 11.6  | 12.6  | 1          | 40636     | 0.06     | 0.42     |
| TDH02   | 12.6  | 13.6  | 1          | 40637     | 0.09     | 1.07     |
| TDH02   | 13.6  | 14.6  | 1          | 40638     | 5.35     | 5.26     |
| TDH02   | 14.6  | 15.6  | 1          | 40639     | 0.2      | 1.16     |
| TDH02   | 15.6  | 16.6  | 1          | 40640     | 0.18     | 1.14     |
| TDH02   | 16.6  | 17.25 | 0.65       | 40641     | 0.6      | 1.64     |
| TDH02   | 17.25 | 18.25 | 1          | 40642     | 0.58     | 3.7      |
| TDH02   | 18.25 | 19.25 | 1          | 40643     | 1.06     | 1.31     |
| TDH02   | 19.25 | 20.25 | 1          | 40644     | 0.02     | 10.35    |
| TDH02   | 20.25 | 21.25 | 1          | 40645     | 0.01     | 4.59     |
| TDH02   | 21.25 | 22.3  | 1.05       | 40646     | 0.03     | 1.81     |
| TDH02   | 22.3  | 23.4  | 1.1        | 40647     | 1.54     | 14.65    |
| TDH02   | 23.4  | 24.4  | 1          | 40648     | 0.04     | 4.39     |
| TDH02   | 24.4  | 25    | 0.6        | 40649     | 0.01     | 0.2      |
| TDH02   | 25    | 26    | 1          | 40650     | 0.02     | 0.16     |
| TDH02   | 26    | 27    | 1          | 40651     | 0.04     | 1.74     |
| TDH02   | 27    | 28    | 1          | 40652     | 0.02     | 4.67     |
| TDH02   | 28    | 29    | 1          | 40653     | 0.02     | 4.27     |
| TDH02   | 29    | 30    | 1          | 40654     | 0.04     | 6.23     |
| TDH02   | 30    | 30.4  | 0.4        | 40655     | 0.06     | 2.68     |

|       |       |       |      |       |       |       |
|-------|-------|-------|------|-------|-------|-------|
| TDH02 | 30.4  | 31.4  | 1    | 40656 | 0.87  | 10.55 |
| TDH02 | 31.4  | 32.4  | 1    | 40657 | 0.12  | 4.02  |
| TDH02 | 32.4  | 33.25 | 0.85 | 40658 | 13    | 202   |
| TDH02 | 33.25 | 34.25 | 1    | 40659 | 10.8  | 180   |
| TDH02 | 34.25 | 35.1  | 0.85 | 40660 | 4.15  | 55.3  |
| TDH02 | 35.1  | 36.1  | 1    | 40661 | 0.27  | 19.9  |
| TDH02 | 36.1  | 37.1  | 1    | 40662 | 0.13  | 6.79  |
| TDH02 | 37.1  | 38.1  | 1    | 40663 | 0.03  | 0.91  |
| TDH02 | 38.1  | 39.1  | 1    | 40664 | 0.09  | 0.82  |
| TDH02 | 39.1  | 40.1  | 1    | 40665 | 0.02  | 0.39  |
| TDH02 | 40.1  | 41.1  | 1    | 40666 | 0.02  | 0.53  |
| TDH02 | 41.1  | 42.1  | 1    | 40667 | 0.04  | 0.29  |
| TDH02 | 42.1  | 43.1  | 1    | 40668 | 0.03  | 0.9   |
| TDH02 | 43.1  | 44.1  | 1    | 40669 | 0.15  | 0.71  |
| TDH02 | 44.1  | 45.1  | 1    | 40670 | 0.09  | 0.65  |
| TDH02 | 45.1  | 46.1  | 1    | 40671 | 0.01  | 0.54  |
| TDH02 | 46.1  | 47.1  | 1    | 40672 | 0.04  | 1.54  |
| TDH02 | 47.1  | 48.1  | 1    | 40673 | 0.07  | 2.74  |
| TDH02 | 48.1  | 49.1  | 1    | 40674 | 0.17  | 3.43  |
| TDH02 | 49.1  | 50.1  | 1    | 40675 | 0.4   | 1.52  |
| TDH02 | 50.1  | 51.1  | 1    | 40676 | 0.46  | 1.64  |
| TDH02 | 51.1  | 52.1  | 1    | 40677 | 0.08  | 0.58  |
| TDH02 | 52.1  | 53.05 | 0.95 | 40678 | 0.01  | 0.2   |
|       |       |       |      |       |       |       |
| TDH03 | 68.6  | 69.6  | 1    | 40745 | 0.01  | 0.15  |
| TDH03 | 69.6  | 70.6  | 1    | 40746 | 0.01  | 0.28  |
| TDH03 | 70.6  | 71.6  | 1    | 40747 | 0.01  | 0.1   |
| TDH03 | 71.6  | 72.6  | 1    | 40748 | 0.01  | 0.09  |
| TDH03 | 72.6  | 73.6  | 1    | 40749 | 0.01  | 0.08  |
| TDH03 | 73.6  | 74.6  | 1    | 40750 | 0.01  | 0.19  |
| TDH03 | 74.6  | 75.2  | 0.6  | 40751 | 0.01  | 0.09  |
| TDH03 | 75.2  | 76.2  | 1    | 40752 | 0.01  | 0.24  |
| TDH03 | 76.2  | 77.2  | 1    | 40753 | 0.22  | 0.72  |
| TDH03 | 77.2  | 78.1  | 0.9  | 40754 | 0.11  | 0.73  |
| TDH03 | 78.1  | 79.1  | 1    | 40755 | 17.8  | 4.24  |
| TDH03 | 79.1  | 80.1  | 1    | 40756 | 0.2   | 2.78  |
| TDH03 | 80.1  | 81.1  | 1    | 40757 | 0.29  | 1.2   |
| TDH03 | 81.1  | 82.1  | 1    | 40758 | 0.13  | 1.7   |
| TDH03 | 82.1  | 82.8  | 0.7  | 40759 | 0.24  | 2.45  |
| TDH03 | 82.8  | 83.4  | 0.6  | 40760 | 0.16  | 1.84  |
| TDH03 | 83.4  | 84.4  | 1    | 40761 | 0.01  | 0.18  |
| TDH03 | 84.4  | 85.1  | 0.7  | 40762 | 0.01  | 0.24  |
| TDH03 | 85.1  | 86.1  | 1    | 40763 | 0.02  | 0.72  |
| TDH03 | 86.1  | 87.1  | 1    | 40764 | 0.1   | 4.3   |
| TDH03 | 87.1  | 87.6  | 0.5  | 40765 | 0.05  | 1.18  |
| TDH03 | 87.6  | 88.6  | 1    | 40766 | 0.24  | 0.44  |
| TDH03 | 88.6  | 89.6  | 1    | 40767 | 0.01  | 0.21  |
| TDH03 | 97.6  | 98.2  | 0.6  | 40776 | 0.01  | 0.05  |
| TDH03 | 98.2  | 98.9  | 0.7  | 40777 | 0.01  | 0.05  |
| TDH03 | 98.9  | 99.9  | 1    | 40778 | 0.01  | 0.04  |
| TDH03 | 99.9  | 101.1 | 1.2  | 40779 | 0.01  | 0.06  |
| TDH03 | 101.1 | 102.1 | 1    | 40780 | 0.01  | 0.05  |
|       |       |       |      |       |       |       |
| TDH04 | 20    | 21.5  | 1.5  | 40789 | 0.066 | 0.12  |
| TDH04 | 22.8  | 24    | 1.2  | 40790 | 0.029 | 0.12  |
| TDH04 | 29.1  | 29.5  | 0.4  | 40791 | 0.023 | 0.34  |
| TDH04 | 34.6  | 35.5  | 0.9  | 40792 | 0.032 | 0.61  |
| TDH04 | 42.6  | 43    | 0.4  | 40793 | 0.014 | 0.51  |

|       |      |      |     |        |       |      |
|-------|------|------|-----|--------|-------|------|
| TDH04 | 56   | 57   | 1   | 40794  | 0.024 | 0.38 |
| TDH04 | 57   | 57.9 | 0.9 | 40795  | 0.244 | 0.97 |
| TDH04 | 67.7 | 68.1 | 0.4 | 40796  | 0.051 | 0.45 |
| TDH04 | 71.2 | 72.2 | 1   | 40797  | 0.294 | 0.13 |
| TDH04 | 72.2 | 73.2 | 1   | 40798  | 0.005 | 0.07 |
| TDH04 | 73.2 | 74.2 | 1   | 40799  | 0.022 | 0.06 |
| TDH04 | 74.2 | 75.2 | 1   | 407800 | 0.009 | 0.06 |
| TDH04 | 75.2 | 76.2 | 1   | 407801 | 0.016 | 0.2  |
| TDH04 | 76.2 | 77.2 | 1   | 407802 | 0.007 | 0.16 |
| TDH04 | 77.2 | 78.2 | 1   | 407803 | 0.069 | 0.47 |
| TDH04 | 78.2 | 79.2 | 1   | 407804 | 0.368 | 1.23 |
| TDH04 | 79.2 | 80.2 | 1   | 407805 | 0.17  | 0.68 |
| TDH04 | 80.2 | 81.2 | 1   | 407806 | 0.06  | 1.34 |
| TDH04 | 81.2 | 82.2 | 1   | 407807 | 0.24  | 10.6 |
| TDH04 | 82.2 | 82.9 | 0.7 | 407808 | 0.18  | 10.6 |
| TDH04 | 82.9 | 83.9 | 1   | 407810 | 0.021 | 0.4  |
| TDH04 | 83.9 | 84.9 | 1   | 407811 | 0.005 | 0.2  |
| TDH04 | 84.9 | 85.9 | 1   | 407812 | 0.046 | 0.56 |
| TDH04 | 85.9 | 86.9 | 1   | 407813 | 0.01  | 0.19 |
| TDH04 | 86.9 | 87.9 | 1   | 407814 | 0.012 | 0.29 |
| TDH04 | 87.9 | 88.9 | 1   | 407815 | 0.005 | 0.12 |
| TDH04 | 88.9 | 89.9 | 1   | 407816 | 0.005 | 0.22 |
| TDH04 | 89.9 | 90.9 | 1   | 407817 | 0.005 | 0.12 |
| TDH04 | 90.9 | 91.9 | 1   | 407818 | 0.014 | 0.1  |
|       |      |      |     |        |       |      |
| TDH05 | 4.5  | 5.5  | 1   | 40819  | 0.005 | 0.05 |
| TDH05 | 5.5  | 6.5  | 1   | 40820  | 0.005 | 0.4  |
| TDH05 | 6.5  | 7.5  | 1   | 40821  | 0.009 | 0.01 |
| TDH05 | 7.5  | 8.5  | 1   | 40822  | 0.005 | 0.19 |
| TDH05 | 8.5  | 9.5  | 1   | 40823  | 0.005 | 0.15 |
| TDH05 | 9.5  | 10.5 | 1   | 40824  | 0.005 | 0.07 |
| TDH05 | 10.5 | 11.5 | 1   | 40825  | 0.008 | 0.22 |
| TDH05 | 11.5 | 12.5 | 1   | 40826  | 0.011 | 0.2  |
| TDH05 | 12.5 | 13.5 | 1   | 40827  | 0.005 | 0.17 |
| TDH05 | 13.5 | 14.5 | 1   | 40828  | 0.011 | 0.1  |
| TDH05 | 14.5 | 15.5 | 1   | 40829  | 0.005 | 0.13 |
| TDH05 | 15.5 | 16.5 | 1   | 40830  | 0.014 | 0.42 |
| TDH05 | 16.5 | 17.5 | 1   | 40831  | 0.027 | 0.41 |
| TDH05 | 17.5 | 18.5 | 1   | 40832  | 0.017 | 0.8  |
| TDH05 | 18.5 | 19.5 | 1   | 40833  | 0.011 | 0.08 |
| TDH05 | 19.5 | 20.5 | 1   | 40834  | 0.018 | 0.5  |
| TDH05 | 20.5 | 21.5 | 1   | 40835  | 0.114 | 0.22 |
| TDH05 | 21.5 | 22.5 | 1   | 40836  | 0.012 | 0.13 |
| TDH05 | 22.5 | 23.5 | 1   | 40837  | 0.014 | 0.13 |
| TDH05 | 23.5 | 24.5 | 1   | 40838  | 0.092 | 0.74 |
| TDH05 | 24.5 | 25.5 | 1   | 40839  | 0.007 | 4.87 |
| TDH05 | 25.5 | 26.5 | 1   | 40840  | 0.005 | 2.46 |
| TDH05 | 26.5 | 27.5 | 1   | 40841  | 0.03  | 2.41 |
| TDH05 | 27.5 | 28.5 | 1   | 40842  | 0.051 | 4.76 |
| TDH05 | 28.5 | 29.5 | 1   | 40843  | 0.005 | 1.94 |
| TDH05 | 29.5 | 30.5 | 1   | 40845  | 0.011 | 0.1  |
| TDH05 | 30.5 | 31.5 | 1   | 40846  | 0.01  | 0.31 |
| TDH05 | 31.5 | 32.5 | 1   | 40847  | 0.015 | 0.78 |
| TDH05 | 32.5 | 33.5 | 1   | 40848  | 0.015 | 0.3  |
| TDH05 | 33.5 | 34.5 | 1   | 40849  | 0.005 | 0.71 |
| TDH05 | 34.5 | 35.5 | 1   | 40850  | 0.04  | 0.84 |
| TDH05 | 35.5 | 36.5 | 1   | 40851  | 1.57  | 0.65 |
| TDH05 | 36.5 | 37.5 | 1   | 40852  | 0.006 | 0.13 |

|       |      |      |   |       |       |      |
|-------|------|------|---|-------|-------|------|
| TDH05 | 37.5 | 38.5 | 1 | 40853 | 0.013 | 0.15 |
| TDH05 | 38.5 | 39.5 | 1 | 40854 | 0.021 | 0.27 |
| TDH05 | 39.5 | 40.5 | 1 | 40855 | 0.121 | 0.62 |
| TDH05 | 40.5 | 41.5 | 1 | 40856 | 0.041 | 0.83 |
| TDH05 | 41.5 | 42.5 | 1 | 40857 | 0.048 | 1.45 |
| TDH05 | 42.5 | 43.5 | 1 | 40858 | 0.212 | 1.31 |
| TDH05 | 43.5 | 44.5 | 1 | 40859 | 0.043 | 0.82 |
| TDH05 | 44.5 | 45.5 | 1 | 40860 | 0.021 | 0.59 |
| TDH05 | 45.5 | 46.5 | 1 | 40861 | 0.011 | 0.38 |
| TDH05 | 46.5 | 47.5 | 1 | 40862 | 0.205 | 0.73 |
| TDH05 | 47.5 | 48.5 | 1 | 40863 | 0.042 | 0.49 |
| TDH05 | 48.5 | 49.5 | 1 | 40864 | 0.038 | 0.75 |
| TDH05 | 49.5 | 50.5 | 1 | 40865 | 0.054 | 0.98 |
| TDH05 | 50.5 | 51.5 | 1 | 40866 | 0.067 | 1.2  |
| TDH05 | 51.5 | 52.5 | 1 | 40867 | 0.074 | 1.38 |
| TDH05 | 52.5 | 53.5 | 1 | 40868 | 0.139 | 3.94 |
| TDH05 | 53.5 | 54.5 | 1 | 40869 | 0.197 | 4.47 |
| TDH05 | 54.5 | 55.5 | 1 | 40871 | 7.73  | 30.3 |
| TDH05 | 55.5 | 56.5 | 1 | 40872 | 2.04  | 61.2 |
| TDH05 | 56.5 | 57.5 | 1 | 40873 | 2.28  | 62.5 |
| TDH05 | 57.5 | 58.5 | 1 | 40874 | 0.509 | 9.89 |
| TDH05 | 58.5 | 59.5 | 1 | 40875 | 0.663 | 3.57 |
| TDH05 | 59.5 | 60.5 | 1 | 40876 | 0.074 | 2.11 |
| TDH05 | 60.5 | 61.5 | 1 | 40877 | 0.031 | 1.98 |
| TDH05 | 61.5 | 62.5 | 1 | 40878 | 0.032 | 1.43 |
| TDH05 | 62.5 | 63.5 | 1 | 40879 | 0.06  | 2.07 |
| TDH05 | 63.5 | 64.5 | 1 | 40880 | 0.005 | 0.12 |
| TDH05 | 64.5 | 65.5 | 1 | 40881 | 0.02  | 0.56 |
| TDH05 | 65.5 | 66.5 | 1 | 40882 | 0.033 | 0.7  |
| TDH05 | 66.5 | 67.5 | 1 | 40883 | 0.015 | 0.44 |
|       |      |      |   |       |       |      |
| TDH06 | 1.5  | 2.5  | 1 | 40884 | 0.021 | 0.05 |
| TDH06 | 2.5  | 3.5  | 1 | 40885 | 0.008 | 0.08 |
| TDH06 | 3.5  | 4.5  | 1 | 40886 | 0.015 | 0.16 |
| TDH06 | 4.5  | 5.5  | 1 | 40887 | 0.019 | 0.08 |
| TDH06 | 5.5  | 6.5  | 1 | 40888 | 0.012 | 0.3  |
| TDH06 | 6.5  | 7.5  | 1 | 40889 | 0.011 | 0.15 |
| TDH06 | 7.5  | 8.5  | 1 | 40890 | 0.014 | 0.49 |
| TDH06 | 8.5  | 9.5  | 1 | 40891 | 0.013 | 0.3  |
| TDH06 | 9.5  | 10.5 | 1 | 40892 | 0.016 | 0.25 |
| TDH06 | 10.5 | 11.5 | 1 | 40893 | 0.01  | 0.48 |
| TDH06 | 11.5 | 12.5 | 1 | 40894 | 0.014 | 0.64 |
| TDH06 | 12.5 | 13.5 | 1 | 40895 | 0.011 | 0.54 |
| TDH06 | 13.5 | 14.5 | 1 | 40896 | 0.006 | 0.1  |
| TDH06 | 14.5 | 15.5 | 1 | 40897 | 0.008 | 0.15 |
| TDH06 | 15.5 | 16.5 | 1 | 40898 | 1.99  | 0.36 |
| TDH06 | 16.5 | 17.5 | 1 | 40899 | 0.009 | 0.36 |
| TDH06 | 17.5 | 18.5 | 1 | 40900 | 0.007 | 0.4  |
| TDH06 | 18.5 | 19.5 | 1 | 40901 | 0.01  | 0.52 |
| TDH06 | 19.5 | 20.5 | 1 | 40902 | 0.005 | 0.53 |
| TDH06 | 20.5 | 21.5 | 1 | 40903 | 2.5   | 23.3 |
| TDH06 | 21.5 | 22.5 | 1 | 40904 | 0.052 | 5    |
| TDH06 | 22.5 | 23.5 | 1 | 40905 | 0.065 | 2.03 |
| TDH06 | 23.5 | 24.5 | 1 | 40906 | 0.03  | 5.38 |
| TDH06 | 24.5 | 25.5 | 1 | 40907 | 0.035 | 13.6 |
| TDH06 | 25.5 | 26.5 | 1 | 40908 | 0.043 | 13.3 |
| TDH06 | 26.5 | 27.5 | 1 | 40909 | 0.176 | 51.5 |
| TDH06 | 27.5 | 28.5 | 1 | 40910 | 0.04  | 1.6  |

|       |      |      |   |       |       |      |
|-------|------|------|---|-------|-------|------|
| TDH06 | 28.5 | 29.5 | 1 | 40911 | 1.86  | 14.5 |
| TDH06 | 29.5 | 30.5 | 1 | 40912 | 0.59  | 14   |
| TDH06 | 30.5 | 31.5 | 1 | 40913 | 7.57  | 12.7 |
| TDH06 | 31.5 | 32.5 | 1 | 40914 | 1.8   | 3.67 |
| TDH06 | 32.5 | 33.5 | 1 | 40915 | 0.585 | 11.9 |
| TDH06 | 33.5 | 34.5 | 1 | 40916 | 0.709 | 2.56 |
| TDH06 | 34.5 | 35.5 | 1 | 40917 | 3.87  | 16.7 |
| TDH06 | 35.5 | 36.5 | 1 | 40918 | 0.165 | 5.54 |
| TDH06 | 36.5 | 37.5 | 1 | 40919 | 0.175 | 4.34 |
| TDH06 | 37.5 | 38.5 | 1 | 40920 | 0.307 | 10.4 |
| TDH06 | 38.5 | 39.5 | 1 | 40921 | 0.061 | 2.31 |
| TDH06 | 39.5 | 40.5 | 1 | 40922 | 0.05  | 1.91 |
| TDH06 | 40.5 | 41.5 | 1 | 40923 | 0.045 | 1.8  |
| TDH06 | 41.5 | 42.5 | 1 | 40924 | 0.014 | 0.24 |
| TDH06 | 42.5 | 43.5 | 1 | 40925 | 0.005 | 0.08 |
| TDH06 | 43.5 | 44.5 | 1 | 40926 | 0.01  | 0.13 |
| TDH06 | 44.5 | 45.5 | 1 | 40927 | 0.007 | 0.11 |
| TDH06 | 45.5 | 46.5 | 1 | 40928 | 0.005 | 0.14 |
| TDH06 | 46.5 | 47.5 | 1 | 40929 | 0.005 | 0.08 |
| TDH06 | 47.5 | 48.5 | 1 | 40930 | 4.54  | 3.71 |
|       |      |      |   |       |       |      |
| TDH07 | 26   | 27   | 1 | 40932 | 0.028 | 2.97 |
| TDH07 | 27   | 28   | 1 | 40933 | 0.007 | 1.23 |
| TDH07 | 28   | 29   | 1 | 40934 | 0.005 | 2.24 |
| TDH07 | 29   | 30   | 1 | 40935 | 0.005 | 1.66 |
| TDH07 | 30   | 31   | 1 | 40936 | 0.006 | 2.16 |
| TDH07 | 31   | 32   | 1 | 40937 | 0.175 | 7.42 |
| TDH07 | 32   | 33   | 1 | 40938 | 0.031 | 1.79 |
| TDH07 | 33   | 34   | 1 | 40939 | 0.011 | 1.49 |
| TDH07 | 34   | 35   | 1 | 40940 | 0.029 | 2.18 |
| TDH07 | 35   | 36   | 1 | 40941 | 0.06  | 3.66 |
| TDH07 | 36   | 37   | 1 | 40942 | 0.008 | 6.4  |
| TDH07 | 37   | 38   | 1 | 40943 | 0.028 | 4.47 |
| TDH07 | 38   | 39   | 1 | 40944 | 0.043 | 1.73 |
| TDH07 | 39   | 40   | 1 | 40945 | 0.024 | 1.73 |
| TDH07 | 40   | 41   | 1 | 40946 | 0.051 | 3.38 |
| TDH07 | 41   | 42   | 1 | 40947 | 0.019 | 1.25 |
| TDH07 | 42   | 43   | 1 | 40948 | 0.217 | 4.12 |
| TDH07 | 43   | 44   | 1 | 40949 | 0.328 | 2.88 |
| TDH07 | 44   | 45   | 1 | 40950 | 3.16  | 21.3 |
| TDH07 | 45   | 46   | 1 | 40951 | 7.34  | 57.4 |
| TDH07 | 46   | 47   | 1 | 40952 | 26.7  | 59.7 |
| TDH07 | 47   | 48   | 1 | 40953 | 3.31  | 8.89 |
| TDH07 | 48   | 49   | 1 | 40954 | 7.93  | 59.3 |
| TDH07 | 49   | 50   | 1 | 40955 | 0.294 | 24.5 |
| TDH07 | 50   | 51   | 1 | 40956 | 0.249 | 26.3 |
| TDH07 | 51   | 52   | 1 | 40957 | 0.635 | 28.1 |
| TDH07 | 52   | 53   | 1 | 40958 | 0.549 | 89.6 |
| TDH07 | 53   | 54   | 1 | 40959 | 0.272 | 15.4 |
| TDH07 | 54   | 55   | 1 | 40960 | 0.055 | 7.37 |
| TDH07 | 55   | 56   | 1 | 40961 | 0.068 | 6.11 |
| TDH07 | 56   | 57   | 1 | 40962 | 0.013 | 0.31 |
| TDH07 | 57   | 58   | 1 | 40963 | 0.005 | 0.12 |
| TDH07 | 58   | 59   | 1 | 40964 | 0.021 | 0.23 |
| TDH07 | 59   | 60   | 1 | 40965 | 0.005 | 0.19 |
|       |      |      |   |       |       |      |
| TDH08 | 65   | 66   | 1 | 40967 | 0.005 | 0.18 |
| TDH08 | 66   | 67   | 1 | 40968 | 0.005 | 0.1  |

|       |       |       |      |        |       |      |
|-------|-------|-------|------|--------|-------|------|
| TDH08 | 67    | 68    | 1    | 40969  | 0.079 | 0.57 |
| TDH08 | 68    | 69    | 1    | 40970  | 1.2   | 0.51 |
| TDH08 | 69    | 70    | 1    | 40971  | 0.092 | 1.89 |
| TDH08 | 70    | 71    | 1    | 40972  | 0.07  | 4.84 |
| TDH08 | 71    | 72    | 1    | 40973  | 0.02  | 0.84 |
| TDH08 | 72    | 73    | 1    | 40974  | 0.005 | 0.12 |
| TDH08 | 73    | 74    | 1    | 40975  | 0.005 | 0.15 |
| TDH08 | 74    | 75    | 1    | 40976  | 0.381 | 1.36 |
| TDH08 | 75    | 76    | 1    | 40977  | 0.354 | 3.14 |
| TDH08 | 76    | 77    | 1    | 40978  | 28.7  | 83.8 |
| TDH08 | 77    | 78    | 1    | 40979  | 13.9  | 277  |
| TDH08 | 78    | 79    | 1    | 40980  | 61.2  | 1979 |
| TDH08 | 79    | 80    | 1    | 40981  | 4.21  | 105  |
| TDH08 | 80    | 80.8  | 0.8  | 40982  | 5.88  | 121  |
| TDH08 | 80.8  | 81.8  | 1    | 40983  | 0.005 | 25.7 |
| TDH08 | 81.8  | 82.8  | 1    | 40984  | 0.283 | 12.2 |
| TDH08 | 82.8  | 83.8  | 1    | 40985  | 0.093 | 9.08 |
| TDH08 | 83.8  | 84.8  | 1    | 40986  | 0.006 | 0.7  |
| TDH08 | 84.8  | 85.8  | 1    | 40987  | 0.025 | 1.13 |
| TDH08 | 85.8  | 86.8  | 1    | 40988  | 0.012 | 0.85 |
| TDH08 | 86.8  | 88.2  | 1.4  | 40989  | 0.165 | 5.36 |
| TDH08 | 88.2  | 89.3  | 1.1  | 40990  | 4.14  | 99.6 |
| TDH08 | 89.3  | 90.3  | 1    | 40991  | 0.162 | 4.58 |
| TDH08 | 90.3  | 90.93 | 0.63 | 40992  | 0.826 | 24.6 |
| TDH08 | 90.93 | 91.45 | 0.52 | 40993  | 3.64  | 137  |
| TDH08 | 91.45 | 92.45 | 1    | 40994  | 0.553 | 49.8 |
| TDH08 | 92.45 | 93.45 | 1    | 40995  | 0.18  | 17   |
| TDH08 | 93.45 | 94.45 | 1    | 40996  | 0.118 | 17.5 |
| TDH08 | 94.45 | 95.45 | 1    | 40997  | 0.317 | 20   |
| TDH08 | 95.45 | 96.45 | 1    | 40998  | 0.222 | 1.87 |
| TDH08 | 96.45 | 97.45 | 1    | 40999  | 0.129 | 3.62 |
| TDH08 | 97.45 | 98.45 | 1    | 41000  | 0.005 | 4.02 |
|       |       |       |      |        |       |      |
| TDH09 | 30    | 31    | 1    | 106256 | 0.005 | 0.53 |
| TDH09 | 31    | 32    | 1    | 106257 | 0.005 | 0.38 |
| TDH09 | 32    | 33    | 1    | 106258 | 0.005 | 0.48 |
| TDH09 | 33    | 34    | 1    | 106259 | 0.005 | 0.11 |
| TDH09 | 34    | 35    | 1    | 106260 | 0.013 | 0.14 |
| TDH09 | 35    | 36    | 1    | 106261 | 0.005 | 0.17 |
| TDH09 | 36    | 37    | 1    | 106262 | 0.01  | 0.12 |
| TDH09 | 37    | 38    | 1    | 106263 | 0.006 | 0.09 |
| TDH09 | 38    | 38.6  | 0.6  | 106264 | 0.025 | 2.08 |
| TDH09 | 38.6  | 39    | 0.4  | 106265 | 0.036 | 0.85 |
| TDH09 | 39    | 40    | 1    | 106266 | 0.016 | 1.41 |
| TDH09 | 40    | 41    | 1    | 106267 | 0.037 | 2.39 |
| TDH09 | 41    | 42    | 1    | 106268 | 0.082 | 3.03 |
| TDH09 | 42    | 43    | 1    | 106269 | 0.09  | 2.53 |
| TDH09 | 43    | 44    | 1    | 106270 | 0.037 | 11.3 |
| TDH09 | 44    | 45    | 1    | 106271 | 1.03  | 4.45 |
| TDH09 | 45    | 46    | 1    | 106272 | 0.017 | 4.88 |
| TDH09 | 46    | 47    | 1    | 106273 | 0.142 | 16.8 |
| TDH09 | 47    | 48    | 1    | 106274 | 0.741 | 1.27 |
| TDH09 | 48    | 49    | 1    | 106275 | 0.099 | 2.36 |
| TDH09 | 49    | 50    | 1    | 106276 | 0.039 | 1.06 |
| TDH09 | 50    | 51    | 1    | 106277 | 0.392 | 15.7 |
| TDH09 | 51    | 52    | 1    | 106278 | 0.027 | 1.08 |
| TDH09 | 52    | 53    | 1    | 106279 | 0.006 | 0.09 |
| TDH09 | 53    | 54    | 1    | 106280 | 0.005 | 0.12 |

|       |    |    |   |        |       |      |
|-------|----|----|---|--------|-------|------|
| TDH09 | 54 | 55 | 1 | 106281 | 0.005 | 0.11 |
| TDH09 | 55 | 56 | 1 | 106282 | 0.005 | 0.09 |
| TDH09 | 56 | 57 | 1 | 106283 | 0.006 | 0.08 |
| TDH09 | 57 | 58 | 1 | 106284 | 0.006 | 0.07 |

This announcement has been authorised for release by the Directors of the Company. For additional information please visit our website at [www.toluminerals.com](http://www.toluminerals.com)

#### Contacts:

|                                                                                        |                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
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#### TOLU MINERALS LIMITED

#### Competent Person Statement:

The information in this report that relates to Exploration, Exploration Results and Mineral Resources is based on information compiled by or compiled under the supervision of Peter Swiridiuk - Member of the Aust. Inst. of Geoscientists. Peter Swiridiuk is a Technical Consultant and member of the Tolu Minerals Ltd. Advisory Board. Peter Swiridiuk has sufficient experience which is relevant to the type of mineralisation and type of deposit under consideration to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code of Reporting Exploration Results, Mineral Resources and Ore Resources. Peter Swiridiuk consents to the inclusion in the report of the matters based on the information in the form and context in which it appears. Additionally, Mr Swiridiuk confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this report.

#### Tolu Mining Lease & Exploration Licence Information, held on 14 November 2024

| License Number | Type of License     | Tolu Ownership | Sub-blocks | Area * (km <sup>2</sup> ) | Grant Date     | Expiry Date            |
|----------------|---------------------|----------------|------------|---------------------------|----------------|------------------------|
| ML104          | Mining Lease        | 100%           | N/A        | 7.71                      | 01-Sep-21      | 28-Aug-32              |
| EL2531         | Exploration License | 100%           | 32.73      | 110.60                    | 25-Feb-19      | 24-Feb-25              |
| EL2385         | Exploration License | 100%           | 29         | 104.70                    | 26-May-16      | 25-May24 <sup>#</sup>  |
| EL2535         | Exploration License | 100%           | 8          | 27.28                     | 26-Jan-22      | 25-Jan24 <sup>#</sup>  |
| EL2536         | Exploration License | 100%           | 30         | 102.30                    | 26-Jan-22      | 25-Jan-24 <sup>#</sup> |
| EL2538         | Exploration License | 100%           | 14         | 47.74                     | 26-Jan22       | 25-Jan24 <sup>#</sup>  |
| EL2539         | Exploration License | 100%           | 29         | 98.89                     | 26-Jan22       | 25-Jan-24 <sup>#</sup> |
| EL2723         | Exploration License | 100%           | 53         | 183.30                    | 08-Nov22       | 07-Nov-24 <sup>#</sup> |
| EL2662         | Exploration License | 100%           | 30         | 102.60                    | 26-Oct-21      | 25-Oct-23 <sup>#</sup> |
| ELA2780        | EL Application      | 100%           | 124        | 422.50                    | Awaiting Grant | N/A                    |
| Total          |                     |                | 349.73     | 1,207.62                  |                |                        |

\*1 sub-block approximately 3.41 sq.km

# Pending MRA Renewal for a further two-year term

#### Notes:

The PNG Mining Act-1992 stipulates that Exploration Licenses (ELs) are granted for a renewable 2-year term (subject to satisfying work and expenditure commitments) and the PNG Government maintains the right to purchase up to 30% project equity at "Sunk Cost" if/when a Mining Lease (ML) is granted. EL2385, EL2535, EL2536, EL2538 and EL2539 are currently subject to an extension renewal process. The tenements remain in force until determinations of renewal are made by the Mining Advisory Council.

The Warden Hearing for ELA2780 was completed on 6 March 2024.

## JORC Code Table 1, 2012 Edition – Report of Exploration Results

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

| Criteria                                              | JORC Code explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampling techniques</b>                            | <ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul> | <ul style="list-style-type: none"> <li>Tolu Minerals (TML) drill core samples were sawn in two, with half returned to the core tray for visual inspection and the other half sent to the ALS laboratories (TDH01-03) in Townsville, Australia; and Intertek Laboratories in Lae, PNG (TDH04-09) for assaying. Downhole surveys were completed.</li> <li>Sampling was supervised and reported by on-site geologists to ensure sample representivity.</li> <li>Historical diamond core HQ drilling was completed to obtain mineralised vein sections in multiples of 50cm. 2kg samples were oven dried for 6-8hrs @ 120DegC, crushed to -2mm, split by Riffle Jones splitter. 300g were pulverised to &lt;75microns with &gt;95% passing with a final 20g submitted for assay.</li> <li>All trench and rock samples were collected, bagged and labelled onsite, and transported to the field Camp by or under the supervision of a geologist or experienced field assistant.</li> <li>Material aspects of the mineralisation are noted in the text of the document.</li> </ul> |
| <b>Drilling techniques</b>                            | <ul style="list-style-type: none"> <li>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>Historical Longyear man portable drill rig operated by United Pacific Drilling for historical drilling.</li> <li>PQ and HQ diamond core was orientated.</li> <li>TML used an ID200 diamond core drilling rig with HQ sized drill bits.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Drill sample recovery</b>                          | <ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>Core was visually assessed on-site on tables constructed at the core shed.</li> <li>Historical and TML drilling recovery was essentially 90 – 100% with an average of over 95%.</li> <li>Diamond impregnated bits and driller experience contributed to good core recoveries. No relationship exists between grade and recovery.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Logging</b>                                        | <ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>Drill core was sampled and logged on an excel spreadsheet or by an experienced geologist for alteration mineralogy, lithology and mineralisation. Geotechnical parameters included recovery and RQD was undertaken to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Core trays were photographed one tray at a time.</li> <li>Logging was qualitative in nature and based on geological observations. Detailed geological descriptions were written into an excel spreadsheet and transferred to central database using MX Deposit software.</li> <li>The total length of all drill core was logged.</li> <li>Trench samples are geologically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> </ul>                                                                                                                                                                         |
| <b>Sub-sampling techniques and sample preparation</b> | <ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Drill core samples were sawn in two, with half returned to the core tray for visual logging and all the other half sent to ALS laboratories for assaying.</li> <li>Drill half core 2kg samples were submitted to the Laboratory for sample preparation and assaying.</li> <li>Sampling was supervised by TML Senior Geologists by visual inspection. Core sample sizes of 50cm as determined by the geologist by visual inspection are appropriate for the quartz vein material being sampled.</li> <li>Core samples were transported to Port Moresby office by helicopter and transported to the laboratories by airlines.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                |

| Criteria                                                       | JORC Code explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Procedures of drying, crushing, splitting and pulverising are practiced by ALS (TDH01 to 03) and Intertek (TDH04 to 09) laboratories for analysis.</li> <li>Sampling has been supervised by Senior Geologist and sample sized are appropriate for the quartz vein material being sampled.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Quality of assay data and laboratory tests</b>              | <ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul> | <ul style="list-style-type: none"> <li>Procedures undertaken by ALS and Intertek are appropriate. Half drill core samples are crushed and prepared as 20g samples for assaying by fire assay for Au and a partial aqua regia digest and AAS for Au, Ag, Pb, Cu, Zn, Sb. The principle of Aqua Regia digest is that gold can be dissolved by a mixture of 3 parts hydrochloric acid to one part nitric acid.</li> <li>Trench samples were fire assayed for total gold and cyanide extractable Ag, Cu. Acceptable accuracy and precision levels were established and reported by the lab.</li> <li>Historical 3DIP geophysics surveying was completed using a 64-channel survey by Search Exploration and data modelling was completed by independent consultants Southern Geoscience.</li> <li>Acceptable levels of accuracy were obtained in the assaying results of Au 0.01 ppm, Cu 1 ppb &amp; Ag 0.01 ppm.</li> <li>Historical duplicates were not reported.</li> <li>TML used duplicates and standards every 30m</li> <li>No Geophysical tools were used downhole.</li> </ul> |
| <b>Verification of sampling and assaying</b>                   | <ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>Verified by senior geologist and other geologists onsite at the time.</li> <li>All assay data is stored in a database stored in reports submitted to the MRA library in digital PDF and Excel formats.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Location of data points</b>                                 | <ul style="list-style-type: none"> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Historical drill holes were located initially by tape and compass surveying for drill sections and long sections.</li> <li>TML drillholes are located by GPS.</li> <li>Trench and rock samples were located initially by GPS and tape and compass surveying of creeks and GPS readings taken. Trench sample spacing was generally 1.0m.</li> <li>Map Datum is AGD66 unless otherwise stated</li> <li>Topographic control is low with 40m contours from 1:100,000 plans and 10m contours from airborne DTM contours.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Data spacing and distribution</b>                           | <ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Refer to any attached plans and tables for rock and trench/costean spacing.</li> <li>Drill hole locations and trench locations and hence data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedures.</li> <li>Sample compositing was not applied.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Orientation of data in relation to geological structure</b> | <ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Drill holes are designed to intersect known mineralisation from surface trench results in a nominally perpendicular orientation as much as is practicable.</li> <li>Sample intervals are selected based upon observed geological features and the strike of the narrow quartz veins.</li> <li>Trench samples were taken to intersect known mineralisation from surface trench results in a nominally perpendicular orientation as much as practicable. Sample intervals are selected based upon observed geological features and the strike of the narrow quartz veins.</li> <li>Sample intervals are selected based upon observed geological features and the strike of the quartz veins.</li> <li>Trench/costean samples have been taken selectively within each trench. Potential for sampling bias has been reported in the text of this report where relevant.</li> </ul>                                                                                                                                                             |

| Criteria                 | JORC Code explanation                                                                                                   | Commentary                                                                                                                                                                                                                                            |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sample security</b>   | <ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>                         | <ul style="list-style-type: none"> <li>Access to site is controlled and drill core and trench samples are stored on-site in a remote location. Site employees transport samples to the analytical lab. The laboratory compound is secured.</li> </ul> |
| <b>Audits or reviews</b> | <ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul> | <ul style="list-style-type: none"> <li>No audits or reviews of sampling techniques and data have been performed.</li> </ul>                                                                                                                           |

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

| Criteria                                       | JORC Code explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mineral tenement and land tenure status</b> | <ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul> | <ul style="list-style-type: none"> <li>TML have a 100% ownership of Frontier Copper (PNG) Limited, which holds 100% title to Exploration Licence EL2531. There are no joint ventures or partnerships in place. Frontier Copper PNG Ltd has IPA company registration number 1-48997.</li> <li>There are no known impediments to operating in ML104 and EL2531. Tenements are granted by the Minister of Mines for a period of two years and security is governed by the PNG Mining Act 1992 and Regulation.</li> <li>Frontier Copper renewed EL2531 to 24<sup>th</sup> February 2025.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Exploration done by other parties</b>       | <ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>EL2531 was initially stream sampled by Kennecott in the 1960's afterwards by CRAE who completed both stream sediment sampling and rock chip sampling.</li> <li>Newmont 1985-1988 discovered the Tolukuma vein and completed costean and soil sampling and diamond drill holes testing the NW-SE Taula Vein. Newmont completed resource drilling and mine feasibility studies. From 1989-1992 Newmont completed 2<sup>nd</sup> phase drilling.</li> <li>Dome Resources purchased the Exploration license from Newmont in 1992 and completed feasibility studies in the ML104, granted in 1994, with first gold poured in December 1995.</li> <li>In 2000, Durban Roodepoort Deep purchased Dome Resources and took over all its interests in PNG. TGM's work programs (now 100% DRD included trench sampling and mapping. Work commenced at Saki in 2002 with a programme of extensive trench sampling and mapping and drilling at the Kunda prospect both inside ML104 and within the current EL2531.</li> <li>Petromin PNG Holdings acquired 100% of the Tolukuma projects including ML104 from Emperor Mines in 2008. Singapore company Asidokona purchased Tolukuma Gold Mines Ltd from Petromin (PNG Government) in November 2015.</li> <li>The Tolukuma gold mine was held under the control of the MRA and the appointed liquidator/administrator until 100% ownership of ML104 was granted to Tolu Minerals Ltd 3<sup>rd</sup> October 2022 along with its associated assets and mine infrastructure to re-establish mining operations and re-commence exploration and resource drilling.</li> <li>EL2531 was acquired by Frontier on a first application basis when it was offered by the MRA.</li> <li>Tolu Minerals Limited has secured ownership to EL2531 through its acquisition of Frontier Copper PNG Limited, which was previously a wholly owned subsidiary of ASX listed, Lanthanein/Frontier Resources Limited.</li> </ul> |
| <b>Geology</b>                                 | <ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>The Taula vein is a multiple epithermal vein system consisting mainly quartz with minor sulphides including pyrite, marcasite, cinnabar and associated manganese-carbonate and gold mineralisation. The quartz veins are hosted within rocks of the Pliocene to Miocene Mt. Davidson Volcanics comprised of a complex of Andesitic flow units and Pyroclastic flow units that have</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Criteria                                                                | JORC Code explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>been subsequently intruded by quartz Diorites and Monzonites.</p> <ul style="list-style-type: none"> <li>The dominant lithology is basaltic andesites with minor agglomerate breccias and tuffaceous volcanics.</li> <li>The Kagi Metamorphics comprise the basement rocks in the Tolukuma area. A sequence of subaerial volcanics of Middle Miocene to Early Pliocene age unconformably overlies the metamorphic basement rocks. Small stocks, 1-5km across, of diorite, porphyritic microdiorite, hornblende-feldspar porphyry, monzonite and granodiorite have been mapped intruding the Kagi Metamorphics and Mt. Davidson Volcanics in the licence area.</li> </ul> |
| <b>Drill hole Information</b>                                           | <ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul> | <ul style="list-style-type: none"> <li>A summary of all drillhole information is noted within Tables in the text of this report or historical ASX Announcements.</li> <li>TML has acquired historical reports with drillhole and trench information that have been reviewed and interpreted.</li> <li>Digital databases have also been acquired over all known prospects within EL2531 and ML104.</li> </ul>                                                                                                                                                                                                                                                                |
| <b>Data aggregation methods</b>                                         | <ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>                                                                                                                                                                           | <ul style="list-style-type: none"> <li>Exploration results are reported typically within epithermal veins. Trench grades are compiled using length weighting.</li> <li>No metal equivalent values are used.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Relationship between mineralisation widths and intercept lengths</b> | <ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> </ul>                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>The relationship between historical mineralisation widths &amp; intercept lengths from trench/costeans is well understood.</li> <li>Historical drillholes are generally targeted perpendicular to known veins. True width projections are noted in Tables where relevant within the text of this report.</li> </ul>                                                                                                                                                                                                                                                                                                                  |
| <b>Diagrams</b>                                                         | <ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Appropriate maps, sections and tabulations of drillhole, rock and trench/costean intercepts are included where relevant.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Balanced reporting</b>                                               | <ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Comprehensive reporting of all drilling, trench and soil sample results has occurred in historical ASX releases and reported here where appropriate.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Other substantive exploration data</b>                               | <ul style="list-style-type: none"> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>All meaningful exploration data to date has been included in this ASX announcement.</li> <li>Strength classification has not been completed.</li> <li>Density measurements are taken from selected drill core for a potential future JORC Resource.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Further work</b>                                                     | <ul style="list-style-type: none"> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>Current TML exploration is aimed at testing for lateral and depth extensions of known veins and interpreted vein systems that form part of the Tolukuma gold mine mineralised vein system.</li> <li>Appropriate plans are included where possible.</li> <li>The nature of planned further work within EL2531 may include geological mapping, rock and trench sampling.</li> </ul>                                                                                                                                                                                                                                                    |