

Resouro Strategic Metals Inc. (ASX:RAU) High Grade Assay Results up to 26% TiO₂ Tiros North Block

written by Raj Shah | April 22, 2025

High-Grade Assay Results up to 26% TiO₂ and 18,887ppm TREO at Tiros North Block Support Next Steps Toward Scoping Study

April 22, 2025 ([Source](#)) – Resouro Strategic Metals Inc. ([ASX:RAU](#)) ([CVE:RSM](#)) ([8TX:FRA](#)) ([RSGOF:OTCMKTS](#)) is pleased to announce the assay results from 21 auger drill hole for 206 m of drilling, undertaken at the North block of the Tiros Titanium and Rare Earth Elements (“REE”) Project in Minas Gerais, Brazil (“Tiros Project” or “Tiros” or “Project”).

Highlights

- 1m at 22% TiO₂ and 18,827ppm TREO from 8m in auger hole FT-32
- 1m at 25.6% TiO₂ and 12,138ppm TREO from 19m in auger hole FT-28

High-grade results close to surface include:

- 7m at 23.4 TiO₂% and 8,149ppm TREO from 5m depth in auger hole FT29
- 4m at 20.8 TiO₂% and 14,229ppm TREO from 6m depth in auger hole FT32
- 4m at 18.9 TiO₂% and 11,059ppm TREO from 5m depth in auger hole FT42

The recent update of the MRE for the Central Block MRE of 1.4 Billion tonnes of Measured and Indicated Resource contains 165 Mt of titanium dioxide (TiO₂), and 5.5 Mt of Total Rare Earths Oxide (TREO) at a Magnet Rare Earths Oxide ("MREO") ratio of 27% and is one of the largest mineral deposits globally. An additional resource of 500 million tonne of Inferred Resource contains 60 million tonnes of TiO₂ and 1.85 million tonnes of TREO.

The current assay results add to the massive resource potential of the Tiros Project area.

NORTH BLOCK ASSAY RESULTS

Results are related to the current auger drilling campaign, designed to evaluate the areas outside the Tiros Central block. The North block was initially chosen because earlier results from auger drilling showed a high-grade zone close to the surface. Assay results exclude additional 18 auger holes for 180m of drilling, from the same North block, with results pending at ALS laboratory, at Vespasiano, Minas Gerais.

All assay intervals (Table 1*) are determined using cut-off grades of 1,000ppm for TREO and 6% for TiO₂ while the high-grade zone is defined using a cut-off grade of 6,000ppm for TREO and/or 16% for TiO₂. These results from the Northern Permit of the Tiros North Block confirm high-grade mineralisation is continuous and is either exposed at surface or covered by a thin layer of overburden.

The Tiros North Block, Figure 1*, is a plateau, where the Capacete Formation is preserved. Auger holes were positioned along the rim of the plateau, in zones with little or no overburden.

The geological map of the Capacete formation, Figure 2*,

demonstrates the relationship between mineralization and overburden. The current campaign targets zones not covered by overburden.

NEXT STEPS

Resouro will produce a Resource Statement and develop a mine plan to complete a Scoping Study in support of a Trial Mining License application. Work has begun on the Environmental Impact Study required as part of the licensing process. The objective of the Scoping Study is to generate bulk samples of raw, unprocessed material from the North Block, targeting very high-grade, near surface, friable material, for distribution to potential offtake partners. This will help test market interest in direct shipping and guide future development decisions.

In parallel, Resouro will continue evaluating the targets outside its Central block, where drilling is currently concentrated. Exploratory drilling has confirmed the presence of mineralization in both the Sao Gotardo and North blocks. The Campos Altos block will be mapped with the support of the auger rig, to assess its exploration potential.

*To view tables and figures, please visit:

<https://abnnewswire.net/lnk/28MNX778>

About Resouro Strategic Metals Inc.

Resouro Strategic Metals Inc. (ASX:RAU) (CVE:RSM) (OTCMKTS:RSGOF) (FRA:8TX) is a Canadian-based mineral exploration and development company focused on the discovery and advancement of economic mineral projects in Brazil, including the rare earth elements and titanium Tiros Project and the Novo Mundo and Santa Angela gold projects.

The Tiros Project, located in northern Minas Gerais, Brazil, is

an exploration project focused on rare earth elements and titanium covering an area of approximately 450 km². The Tiros Project comprises 17 exploration permits, and one exploration permit application held by the Company's Brazilian subsidiary; and 6 exploration permits and one exploration permit application that have been validly assigned to the Company's Brazilian subsidiary and are awaiting ANM approval. The Company holds, via its wholly owned Brazilian subsidiary, a 90% interest in the Tiros Project and the remaining 10% interest in the Tiros Project is held by RBM Consultoria Mineral Eireli (RBM), an unrelated third-party vendor.

The Novo Mundo Project is located in the Alta Floresta Gold Province close to the northern border of the state of Mato Grosso, central Brazil. Within the licensed area is the small town of Novo Mundo, which is 30km west from the larger town of Guaranta do Norte. It comprises three exploration permits. The Company also has another interest in an exploration permit, being the Santa Angela Project, which is not considered material to the Company's operations. Interests in the Novo Mundo Project and Santa Angela Project are held via the Company's wholly owned subsidiary.

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