Teuton Announces Positive Results from Initial Metallurgical Testing for High-Grade Gold within the Supercell-One Complex--Goldstorm Deposit

27.02.2025 | The Newswire

Teuton Resources Corp. ("Teuton" or "the Company") (TSX-V:TUO) (Frankfurt:TFE) is pleased to report that Joint Venture ("JV") partner Tudor Gold ("Tudor") has announced initial results from ongoing metallurgical test work on the high-grade gold Supercell-One Complex (SC-1), located at the Treaty Creek Project situated within the Golden Triangle of British Columbia. The initial metallurgical results of the SC-1 composites follow the highly successful initial metallurgical results of the CS-600 Sub-Domain which were released in Tudor's press release dated October 24, 2024 and highlighted in the press release below.

The SC-1 Complex was discovered during the 2024 drill campaign. This discovery demonstrates significant additional economic potential for the Treaty Creek Project. The SC-1 Complex is peripheral to the CS-600 copper-gold domain and is best described as a series of sub-parallel, intermediate- to low-sulphidation breccia structures that overprint the Goldstorm gold-copper-silver porphyry deposit. The structures are superimposed over and cut through the CS-600 copper-gold domain as a late-stage event. The SC-1 Complex is comprised of four distinct breccia structures: SC-1A, SC-1B, SC-1C and SC-1D. While SC-1B carries high-grade copper and silver mineralization, in addition to gold mineralization, it is the only structure that is considered polymetallic. The other three structures, SC-1A, SC-1C and SC-1D are all high-grade gold systems.

Highlights from the results of the two lowermost structures, SC-1C and SC-1D include:

- Flotation recoveries of up to 85.1% gold were achieved.
- Flotation testing confirmed that a salable concentrate from the SC-1C and SC-1D auriferous quartz-pyrite breccia structures produced a concentrate grade of 33.6 g/t gold.

Results from the SC-1C and SC-1D structures complement the recently reported metallurgical testing on the Lower CS-600 Sub-Domain, which returned:

- Flotation recoveries within the Lower CS-600 sub-domain returned up to 88.1% copper, 63.8% gold, and 51.3% silver.
- Flotation testing confirmed that a high-grade copper concentrate with significant quantities of gold can be produced from the Lower CS600 Sub-Domain that exceeds 29% copper with significant gold and silver grades of 33 g/t and 96 g/t, respectively.

The samples reported in this press release are from the 2024 drill campaign and were selected from representative composite samples of the SC-1C and SC-1D structures. These sample locations and compositions are outlined below in Figure 1.

SUPERCELL-ONE ZONE - GOLDSTORM DEPOSIT

Click Image To View Full Size

Figure 1: Supercell-One Metallurgical Results Image

Commenting on the results, Ken Konkin, President & CEO of Tudor Gold stated, " We are very pleased with our preliminary metallurgical test results for two of the SC-1 structures that we believe hold the greatest potential for making a substantial economic impact on the Project. This marks a significant step forward in advancing the exploration and development of the high-grade-gold complex that may lead to the 'mine within a mine concept' and represents a pivotal point generating a rejuvenation of a very significant exploration target that could require a much smaller capital cost as a starter area for the Treaty Creek Project. SC-1C is the largest structure, spanning up to 800 meters in length by 400 meters in depth, that we believe can be effectively processed using standard metallurgical technology. All structures are open in all directions. Most importantly, these initial findings demonstrate that a viable gold concentrate could be generated from the largest breccia structures within the Supercell Complex. Additionally, the original hole that intersected SC-1C (GS-22-134) contained 17 grains of fine-grained visible gold, observed over 4.5 meters that averaged 20.61 g/t Au. Of importance to note, was that the values in GS-22-134 had very consistent gold grades with no apparent 'nugget effect' that can often occur within these types of systems. Given that we see visible gold in the core, a gravity-flotation system is currently the best choice of beneficiation. However, Tudor's goal is to optimize and enhance recoveries, and to increase concentrate grades through flotation technology. Further metallurgical studies are also underway on the copper-gold-dominant CS-600 Domain, for which initial metallurgical results were announced on October 24, 2024. The metallurgical study showed that material extracted from the CS-600 copper-gold domain can be processed with conventional flotation techniques to produce a high-quality copper-gold concentrate. Looking forward, the focus in the near term is to continue to investigate the SC-1C and SC-1D mineralized horizons, given that these appear to have the best grade, width and continuity, to develop a multi-million ounce complex analogous to that of the Valley of Kings Deposit at Brucejack Lake. The company is working on permitting for an exploration ramp to best delineate the Supercell structures and test for additional mineralized structures along that vast un-tested upper contact area of the CS-600 Domain."

Initial test work reported in this press release was carried out on material from two structures (SC-1C and SC-1D) at the recently discovered SC-1 Complex, which is within the Goldstorm Deposit at the Treaty Creek Project. Only fresh, non-oxidized, mineralized material was taken from SC-1D and SC-1C and blended into a composite sample. Previously collected high-grade samples were not tested in the preliminary tests, ensuring that the test samples were not compromised by oxide minerals. The two Supercell structures were blended as one composite and were subjected to mineralogy, gravity (Knelson/Mozley), whole ore cyanidation, whole ore pressure oxidation ("POX") treatment, as well as batch and locked cycle flotation testing. Initial results demonstrated flotation as the most economical and simple method to recover gold and copper mineralization. Head assays of the two composites are listed below in Table 1.

Table 1. Initial Head Assay Results from Composite Sample SC1-C and D

Click Image To View Full Size

From the SC1-C and SC-1D composites no gravity-recoverable gold was detected in these particular samples. A significant portion of gold (42%) was found to be locked in sulphides. The cyanide leach at a primary grind of 75 microns recovered 46.8% gold. Further testwork at a finer grind is currently underway. Whole ore POX performed well, yielding over 91% gold extraction after 24 hours.

The use of flotation processes demonstrated very efficient gold recoverability, achieving impressive recovery rates of 91-93% at the rougher stage with a primary grind of 75 microns. A coarser primary grind of 125 microns was also tested with no negative effects on the recovery. Locked cycle testing yielded 85% overall recovery, producing a saleable concentrate with gold content of 33.6 g/t. This translates to a substantial five times increase in gold concentration with a 17% mass pull. However, the cleaner concentrate contains some deleterious elements such as 0.8% arsenic, 0.3% antimony, 0.005% bismuth, and 0.04% mercury. It is suspected some of the deleterious elements are tied up in the tennanite/tetrahedrite minerals. Further flotation test work is currently underway to improve overall concentrate quality.

Locked Cycle Metallurgical Test Work and Results SC1-C and D

Click Image To View Full Size

Locked Cycle Test Flowsheet SC1-C and D

Figure 2: Source: SGS Canada (2025)

The metallurgical program was carried out by SGS of Vancouver, B.C., which has been selected to conduct further mineralogical assessment of the Goldstorm sample material. The metallurgical and mineralogical work was conducted under the supervision of Travis O'Farrell, P. Eng. of Fuse Advisors., a Qualified Person as defined by NI 43-101. Mr. O'Farrell has reviewed Tudor's Feb. 27, 2025 news release and agreed to its contents. Standard QA/QC sampling procedures are maintained by SGS to ensure accurate and representative testing.

Ken Konkin, P.Geo., President and CEO, Tudor Gold, is the Qualified Person, as defined by National Instrument 43-101, responsible for the Project. Mr. Konkin has reviewed, verified, and approved the scientific and technical information in the Tudor February 27, 2025 news release. Technical information as presented in this news release by Teuton Resources is consistent with that published in the Tudor Gold release of February 27, 2025. D. Cremonese, P. Eng., is the QP for Teuton Resources; as President and CEO of Teuton he is not independent of the Company. Mr. Cremonese has not verified the technical information in the Tudor Gold release of February 27, 2025.

About Treaty Creek

Teuton was the original staker of the Treaty Creek property, host to the large Goldstorm deposit, assembling the core land position in 1984-5. It presently holds a 20% carried interest in the Treaty Creek Project (Tudor Gold is responsible for paying all exploration costs up until such time as a production decision is made and owns a 60% interest; American Creek Resources owns the remaining 20% interest, also carried). Additionally, Teuton owns a 0.98% Net Smelter Royalty in the Goldstorm deposit area as well as in the northern portion of the Perfectstorm zone; within the southern portion of the Perfectstorm zone, Teuton owns a 0.49% NSR with an option to increase that to 1.49% by paying $1 million to the current owner. It also owns numerous additional royalty interests within the Sulphurets Hydrothermal system on formerly 100%-owned properties such as the King Tut, Tuck, High North, Orion, Delta and Fairweather properties (King Tut and Tuck now owned by Newmont Mining; High North, Orion, Delta and Fairweather properties now owned by Goldstorm Metals).

The Treaty Creek Project not only contains the Goldstorm Deposit (a large gold-copper porphyry system) it also hosts several other prospective zones of mineralization lying along a north-northeast trending axis following the trace of the Sulphurets thrust fault. This thrust fault is spatially related to all of the porphyry deposits on the neighbouring KSM property (owned by Seabridge Gold) as well as the Treaty Creek property. These other zones at Treaty Creek include the Perfect Storm, Calm Before the Storm and the Eureka.

About Teuton

Teuton owns interests in more than thirty properties in the prolific "Golden Triangle" area of northwest British Columbia and was one of the first companies to adopt what has since become known as the "prospect generator" model. This model minimizes share equity dilution while at the same time maximizing opportunity. Earnings provided from option payments received, both in cash and in shares of the optionee companies over the past 8 years, has provided Teuton with substantial income.

ON BEHALF OF THE BOARD OF DIRECTORS OF TEUTON RESOURCES:

"Dino Cremonese"

Dino Cremonese, P. Eng.,

President and Chief Executive Officer

For further information, please visit the Company's website at www.teuton.com or contact:

Barry Holmes

Director Corporate Development and Communications

Tel. 778-430-5680

Email: bholmesmba@gmail.com

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

Cautionary Statements regarding Forward-Looking information

Certain statements contained in this press release constitute forward-looking information. These statements relate to future events or future performance. The use of any of the words "could", "intend", "expect", "believe", "will", "projected", "estimated" and similar expressions and statements relating to matters that are not historical facts are intended to identify forward-looking information and are based on the Company's current belief or assumptions as to the outcome and timing of such future events. Actual future results may differ materially.

All statements relating to future plans, objectives or expectations of the Company are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's plans or expectations include risks relating to the actual results of current exploration activities, fluctuating gold prices, possibility of equipment breakdowns and delays, exploration cost overruns, availability of capital and financing, general economic, market or business conditions, regulatory changes, timeliness of government or regulatory approvals and other risks detailed herein and from time to time in the filings made by the Company with securities regulators. The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as otherwise required by applicable securities legislation.

The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as otherwise required by applicable securities legislation.