Nord Precious Metals Crews Complete 68th Test Pit at High-Grade Castle Silver Mine, Discover Extensive New Tailings Deposit

written by Raj Shah | July 2, 2025
Excavator work for gravity circuit pad preparation reveals significant mineralized material.

July 2, 2025 (Source) – Nord Precious Metals Mining Inc. (TSX-V: NTH | OTCQB: CCWOF | FRANKFURT: 4T9B) ("Nord" or the "Company") field crews and earth-moving equipment have been conducting test pits around the high-grade Castle Silver Mine headframe. Test pits to date have encountered historic tailings and mine rock to the limit of the excavator digging depth of five meters. Many test pits contained tailings from surface and were beyond the reach of the excavator and open to depth. Test pit 68, located 140 meters from the Castle Silver Mine headframe, contained tailings to a depth of four meters and remained open to depth. Nord plans to carry on with the test pits to the claim boundaries to test the tailing depth from the migratory tailings of the adjoining mining property.

Management Commentary

"Test pits around the Castle Silver Mine headframe indicate that the fenced-in compound area proposed for the pad of the Gravity Plant and roads have been built on historical tailings," said Frank J. Basa, B.Eng., CEO. "This is seen as a new tailings discovery which will require further evaluation to determine the

size of the tailings deposit. What we're uncovering validates our district-scale approach, as these aren't isolated pockets but extensive deposits that have accumulated over a century of mining activity."

Key Highlights

- **Significant Discovery**: 68 test pits reveal widespread tailings deposits extending beyond five-meter excavator reach, suggesting substantial tonnage of material previously unaccounted for in resource calculations
- **Strategic Timing**: Discovery aligns with MICA-funded pilot program announced June 17, 2025, providing immediate feed material for the 1,000-hour demonstration of Re-2Ox technology at TTL
- **Operational Synergies**: New tailings can be processed through the gravity circuit for silver recovery, with resulting concentrates feeding the Re-2Ox process for critical metals extraction – validating the integrated hub-and-spoke model
- **Near-Term Value Creation**: With the planned Recovery Permit submission, the Company is evaluating whether to incorporate these newly discovered tailings into the application to maximize the initial scope of operations, a strategic opportunity that could enhance project economics from day one

Low-Cost, High-Impact Build

The test pilot gravity circuit, purchased in 2024 and installed at TTL, includes a 30-inch Falcon concentrator and single double-throw gravity spiral. Tailings test work will be undertaken at this facility exclusively. Initial metallurgical testing on Miller Creek tailings has demonstrated silver grades

up to 786,809 g/t in gravity concentrates.

Next Steps

The Company will continue test pit exploration to claim boundaries to fully delineate the extent of the newly discovered tailings. Sampling protocols are being implemented to characterize silver and critical metals content. Results will be integrated into the ongoing Recovery Permit application and will inform the optimal placement of processing infrastructure.

“Every test pit tells a story of untapped value,” added Basa. “With our gravity circuit ready at TTL and the Re-2Ox pilot program launching this year, we’re positioned to transform these historical liabilities into near-term cash flow while demonstrating our technology for global deployment.”

Qualified person

The technical information in this news release was approved and prepared under the supervision of Mr. Frank J. Basa, B.Eng., (PEO), director of Nord Precious Metals, a qualified person in accordance with National Instrument 43-101.

About Nord Precious Metals Mining Inc.

Nord Precious Metals Mining Inc. operates the only permitted high-grade milling facility in the historic Cobalt Camp of Ontario, where the Company has established a unique position integrating high-grade silver discovery with strategic metals recovery operations. The Company’s flagship Castle property encompasses 63 sq. km of exploration ground and the past-producing Castle Mine, complemented by the Castle East discovery where drilling has delineated 7.56 million ounces of silver in Inferred resources grading an average of 8,582 g/t Ag (250.2 oz/ton) in 27,400 tonnes of material from two sections (1A and

1B) of the Castle East Robinson Zone, beginning at a vertical depth of approximately 400 meters. Note that mineral resources that are not mineral reserves and do not have demonstrated economic viability. Please refer to the Nord Precious Metals Press Release May 27, 2020, for the resource estimate.

Nord's integrated processing strategy leverages the synergistic value of multiple metals. High-grade silver recovery supports the economics of extracting critical minerals including cobalt, nickel, and other battery metals, while the Company's proprietary Re-2Ox hydrometallurgical process enables production of technical-grade cobalt sulphate and nickel-manganese-cobalt (NMC) formulations. This multi-metal approach, combined with established infrastructure including TTL Laboratories and underground mine access, positions Nord to capitalize on both precious metals markets and the growing demand for battery materials.

The Company maintains a strategic portfolio of battery metals properties in Northern Quebec through its 35% ownership in Coniagas Battery Metals Inc. (TSXV: COS) as well as the St. Denis-Sangster lithium project comprising 260 square kilometers of prospective ground near Cochrane, Ontario.

More information is available at www.nordpreciousmetals.com.

"Frank J. Basa"

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