



Titan Reports Record Production from Empire State Mines on Q2 2022 Results

Vancouver, BC – August 11, 2022 – Titan Mining Corporation (TSX: TI) (“Titan” or the “Company”) today announces the results for the second quarter ended June 30, 2022. *(All amounts are in U.S. dollars unless otherwise stated)*

“Titan’s Empire State Mines in New York has posted a record quarter with cash flow of \$9.42 million from operations and production of 16.5 million payable pounds of zinc. Equally as important, this was accomplished with no lost time accidents,” said Don Taylor, President and Chief Executive Officer of Titan.

Q2 2022 HIGHLIGHTS:

- \$9.42 million cash flow from operations including net income of \$5.9 million or \$0.04 per share.
- Record zinc production totaling 16.5 million payable pounds and sales of 15.0 million pounds of zinc during the quarter; both records since the mine reopened in 2017.
- Closed a \$40 million revolving credit facility with National Bank of Canada, consolidating the Company’s debts.
- Declared a fourth special cash dividend of C\$0.01 per share.
- Cash balance of \$11.0 million on June 30, 2022.

TABLE 1 Financial and Operating Highlights

		Q2 2022	Q1 2022	YTD 2022
Operating				
Payable Zinc Produced	mlbs	16.5	10.1	26.6
Payable Zinc Sold	mlbs	15.0	10.4	25.4
Average Realized Zinc Price	\$/lb	1.74	1.57	1.67
Financial				
Revenue	\$m	20.13	13.96	34.09
Net Income	\$m	5.92	(2.62)	3.31
Earnings (loss) per share - basic	\$/sh	0.04	(0.02)	0.02
Cash Flow from Operating Activities before changes in non-cash working capital	\$m	9.42	2.10	11.52
Financial Position				
Cash and Cash Equivalents	\$m		30-Jun-22	31-Dec-22
Net Debt ¹	\$m		11.02	6.04
			24.93	28.67

¹ Net Debt is a non-GAAP measure. This term is not a standardized financial measure under IFRS and might not be comparable to similar financial measures disclosed by other issuers. See *Non-GAAP Performance Measures* below for additional information.



OPERATIONS REVIEW

Mining efforts in the second quarter of 2022 at ESM focused on the Mud Pond Apron, Mahler, New Fold and N2D zones. Waste development continued to advance on the New Fold and Mahler ramp systems to access high grade material expected to be mined in the second half of 2022. Tons mined increased compared to the prior quarter as operations normalized after experiencing a water inflow event in March due to heavy rains compounded by spring thaw. Higher grade feed to the mill was largely sustained by mining in Lower Mahler and N2D, where ore grades were better than anticipated.

Work on projects was minimal with no new equipment purchases and preparation of the surface mining temporarily suspended due to permitting delays.

Consequently, zinc production guidance for the full year 2022 is decreased to 52-56 million payable pounds of zinc at a C1 cash cost of \$0.99 - \$1.03. per pound and at all-in sustaining costs ("AISC") of \$1.03 to \$1.08 per payable pound of zinc sold affecting the start of surface mining production.²

Joel Rheault, Mine General Manager at ESM said, "Although we have lowered our full year production guidance due to delays in permitting the surface mining operations, we are confident that we will achieve full year planned production from the underground operations. We anticipate production from the open pits will be realized in H1/2023 once the required permits have been received".

EXPLORATION UPDATE

Underground:

Drill programs in the second quarter of 2022 focused on advancing definition drilling in Mud Pond Apron, and exploration drilling at Mud Pond Main and New Fold. All underground drilling was completed with Company owned underground drills by Company employees. A total of 9 holes totaling 3,103 ft of definition drilling was completed at Mud Pond Main. The results from the definition program will be used to refine the current mine plan in preparation for development in H2/2022 and beyond. Additionally, 12 underground exploration holes at New Fold and Mud Pond Apron have been completed, totaling 6,891 ft in Q2 2022. Drill results in both areas have been successful in extending the known mineralization beyond the current resource boundaries.

Exploration drilling at Mud Pond Main and New Fold will continue into Q3 2022. *Surface:*

In the second quarter of 2022, surface exploration drilling focused on testing the near mine Abbot Target, and the regional Beaver Creek target. One hole totaling 3,487 ft was drilled at Abbot,

² C1 cash cost and AISC are non-GAAP measures. These terms are not standardized financial measures under IFRS and might not be comparable to similar financial measures disclosed by other issuers. See *Non-GAAP Performance Measures* below for additional information.



targeting the extension of the 6/7 contact up-dip from New Fold. Only trace zinc mineralization was encountered in the hole. Four holes were completed at Beaver Creek totaling 3,308 ft. Assay results are pending.

Drilling in the third quarter of 2022 will be focused on regional and near mine targets, with regional drilling continuing to test the Beaver Creek – Maple Ridge – North Gouverneur structural trend. Near Mine drilling will focus on testing for extensions of the West Ridge mineralization.

CONSOLIDATED FINANCIAL STATEMENTS

Titan's unaudited interim consolidated financial statements and management's discussion and analysis for the six months ended June 30, 2022, are available on the Company's website at www.titanminingcorp.com and under the Company's profiles on SEDAR.

Qualified Person

The scientific and technical information contained in this news release and the sampling, analytical and test data underlying the scientific and technical information has been reviewed, verified and approved by Donald R. Taylor, MSc., PG, President and Chief Executive Officer of the Company, a qualified person for the purposes of NI 43-101. Mr. Taylor has more than 25 years of mineral exploration and mining experience and is a Registered Professional Geologist through the SME (registered member #4029597). The data was verified using data validation and quality assurance procedures under high industry standards.

Assays and Quality Assurance/Quality Control

To ensure reliable sample results, the Company has a rigorous QA/QC program in place that monitors the chain-of-custody of samples and includes the insertion of blanks and certified reference standards at statistically derived intervals within each batch of samples. Core is photographed and split in half with one-half retained in a secured facility for verification purposes. Sample preparation (crushing and pulverizing) has been performed at ALS Geochemistry ("ALS"), an independent ISO/IEC accredited lab located in Sudbury, Ontario, Canada. ALS prepares a pulp of all samples and sends the pulps to their analytical laboratory in Vancouver, B.C., Canada, for analysis. ALS analyzes the pulp sample by an aqua regia digestion (ME-ICP41 for 35 elements) with an ICP – AES finish including Cu (copper), Pb (lead), and Zn (zinc). All samples in which Cu (copper), Pb (lead), or Zn (zinc) are greater than 10,000 ppm are re-run using aqua regia digestion (Cu-OG46; Pb-OG46; and Zn-OG46) with the elements reported in percentage (%). Silver values are determined by an aqua regia digestion with an ICP-AES finish (ME-ICP41) with all samples with silver values greater than 100 ppm repeated using an aqua regia digestion overlimit method (Ag-OG46) calibrated for higher levels of silver contained. Gold values are determined by a 30 g fire assay with an ICP-AES finish (Au-ICP21).

The Company has not identified any drilling, sampling, recovery, or other factors that could materially affect the accuracy or reliability of the data set out in this news release.



About Titan Mining Corporation

Titan is an Augusta Group company which produces zinc concentrate at its 100%-owned Empire State Mine located in New York state. Titan is built for growth, focused on value and committed to excellence. For more information on the Company, please visit our website at www.titanminingcorp.com

Contact

For further information, please contact: **Investor Relations:** Email: info@titanminingcorp.com

Non-GAAP Performance Measures

This document includes non-GAAP performance measures, discussed below, that do not have a standardized meaning prescribed by IFRS. The performance measures may not be comparable to similar measures reported by other issuers. The Company believes that these performance measures are commonly used by certain investors, in conjunction with conventional GAAP measures, to enhance their understanding of the Company's performance. The Company uses these performance measures extensively in internal decision-making processes, including to assess how well the Empire State Mine is performing and to assist in the assessment of the overall efficiency and effectiveness of the mine site management team. The tables below provide a reconciliation of these non-GAAP measures to the most directly comparable IFRS measures as contained within the Company's issued financial statements.

C1 cash cost per payable pound sold

C1 cash cost per payable pound sold is a non-GAAP measure. C1 cash cost represents the cash cost incurred at each processing stage, from mining through to recoverable metal delivered to customers, including mine site operating and general and administrative costs, freight, treatment and refining charges. The C1 cash cost per payable pound sold is calculated by dividing the total C1 cash costs by payable pounds of metal sold.

All-In Sustaining Cost (AISC)

This measures the estimated cash costs to produce a pound of payable zinc plus the estimated capital sustaining costs to maintain the mine and mill. This measure includes the C1 cash cost per pound and capital sustaining costs divided by pounds of payable zinc sold. All-In Sustaining Cost per payable pound of zinc sold does not include depreciation, depletion, amortization, reclamation and exploration expenses.

	Three months ended June 30,				Six months ended June 30,			
	2022		2021		2022		2021	
	Total	Per pound	Total	Per pound	Total	Per pound	Total	Per pound
C1 cash cost per payable pound								
Pounds of payable zinc sold (millions)		15.0		11.0		25.4		22.9
Operating expenses and selling costs	\$ 9,543	\$0.64	\$ 8,423	\$0.76	\$20,388	\$0.80	\$16,326	\$0.71
Concentrate smelting and refining costs	4,432	0.29	1,289	0.12	6,557	0.26	5,190	0.23
Total C1 cash cost	\$ 13,975	\$0.93	\$ 9,712	\$0.88	\$26,945	\$1.06	\$21,516	\$0.94
Sustaining Capital Expenditures	146	\$0.01	1,318	\$0.12	\$1,875	\$0.07	\$1,397	\$0.06
AISC	\$14,121	\$0.94	\$11,030	\$1.00	\$28,820	\$1.13	\$22,913	\$1.00



Sustaining capital expenditures

Sustaining capital expenditures are defined as those expenditures which do not increase payable mineral production at a mine site and excludes all expenditures at the Company's projects and certain expenditures at the Company's operating sites which are deemed expansionary in nature. Expansionary capital expenditures are expenditures that are deemed expansionary in nature. The following table reconciles sustaining capital expenditures and expansionary capital expenditures to the Company's additions to mineral, properties, plant and equipment (or total capital expenditures):

	Six months ended June 30	
	2022	2021
Sustaining capital expenditures	\$ 1,875	\$ 1,398
Expansionary capital expenditures	1,526	81
Additions to mineral, properties, plant and equipment	\$ 3,401	\$ 1,479

Net Debt

Net debt is calculated as the sum of the current and non-current portions of long-term debt, net of the cash and cash equivalent balance as at the balance sheet date. A reconciliation of net debt is provided below.

	June 30 2022	December 31 2021
Current portion of debt	\$ 165	\$ 95
Non-current portion of debt	35,789	34,617
Total debt	\$ 35,954	\$ 34,712
Less: Cash and cash equivalents	(11,021)	(6,041)
Net debt	\$ 24,933	\$ 28,671

Cautionary Note Regarding Forward-Looking Information

Certain statements and information contained in this new release constitute "forward-looking statements", and "forward-looking information" within the meaning of applicable securities laws (collectively, "forward-looking statements"). These statements appear in a number of places in this news release and include statements regarding our intent, or the beliefs or current expectations of our officers and directors, including zinc production guidance; future production results; future mine plan revisions; and exploration plans. When used in this news release words such as "to be", "will", "planned", "expected", "potential", and similar expressions are intended to identify these forward-looking statements. Although the Company believes that the expectations reflected in such forward-looking statements and/or information are reasonable, undue reliance should not be placed on forward-looking statements since the Company can give no assurance that such expectations will prove to be correct. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to vary materially from those anticipated in such forward-looking statements, including the risks, uncertainties and other factors identified in the Company's periodic filings with Canadian securities regulators. Such forward-looking statements are based on various assumptions, including assumptions made with regard to the ability to advance exploration efforts at ESM; the results of such exploration efforts; the ability to secure adequate financing (as needed); the Company maintaining its current strategy and objectives; and the Company's ability to achieve its growth objectives. While the Company considers these assumptions to be reasonable, based on information currently available, they may prove to be incorrect. Except as required by applicable law, we assume no obligation to update or to publicly announce the results of any change to any forward-looking statement



contained herein to reflect actual results, future events or developments, changes in assumptions or changes in other factors affecting the forward-looking statements. If we update any one or more forward-looking statements, no inference should be drawn that we will make additional updates with respect to those or other forward-looking statements. You should not place undue importance on forward-looking statements and should not rely upon these statements as of any other date. All forward-looking statements contained in this news release are expressly qualified in their entirety by this cautionary statement.