

TriMetals Mining Inc.



NEWS RELEASE: 17-01

TriMetals Mining Inc. Reports First 2016 Drill Results from South Jumbo Including 18.3 Metres Averaging 3.84 g/t AuEq, Near Surface, Within 150.9 Metres Averaging 1 g/t AuEq

January 11, 2017, Vancouver, British Columbia—TriMetals Mining Inc. (TSX: TMI, US OTCQX: TMIAF), (the “Company”), is pleased to announce the first drill results from South Jumbo around the historic Etna mine, located towards the southern end of the Jumbo Trend, some 1.5 km south of the present resource area, within the Gold Springs project located in Utah and Nevada. All drilling was conducted on Utah State Trust Lands within a recently acquired 160 acre parcel. Highlights include 3.46 g/t Au and 23.39 g/t Ag over 18.3 metres in hole E-16-005, within a strong, wider zone of near surface mineralization averaging 2.17 g/t AuEq over 45.7 metres, which itself is within 150.9 metres averaging 1.00 g/t AuEq:

Hole	From (m)	To (m)	Thickness (m)	Gold (g/t)	Silver (g/t)	AuEq (g/t)
E-16-005	24.4	42.7	18.3	3.46	23.39	3.84
Within						
E-16-005	19.8	65.5	45.7	1.93	15.08	2.17
Within						
E-16-005	19.8	170.7	150.9	0.87	7.78	1.00

* Gold Equivalent (“AuEq”) calculated using a 61.9 gold to silver ratio and assumes 100% metallurgical recoveries. True width is approximately 80-90% of Thickness.

Link to Location Map showing Jumbo Trend:

http://www.trimetalsmining.com/wp-content/uploads/2017/01/GSPR_Figure1-09-17v2mpm.pdf

Link to Location Map showing RC hole E-16-05:

<http://www.trimetalsmining.com/wp-content/uploads/2017/01/EtnaPlanSection6800N.pdf>

A total of 8 holes were completed in 2016 in the vicinity of the historic Etna mine with all holes located north of holes E-12-001 (39.6 metres @ 0.57 g/t Au and 4.2 g/t Ag) drilled in 2012 and E-14-001 (29.0 metres @ 0.85 g/t Au and 10.22 g/t Ag) drilled in 2014. The Company believes that these earlier holes, together with the recent drilling, outline an open-ended zone of gold mineralization extending for 400 metres which is open along strike both to the north and south,

and to depth. Notably many of the six holes reported here ended in mineralization, suggesting that the actual mineralized zone is even wider than reported.

Highlights from the first 6 holes (results from holes E-16-007 and E-16-008 are still pending) at Etna include:

Hole	From (m)	To (m)	Thickness (m)	Gold (g/t)	Silver (g/t)	AuEq (g/t)
E-16-001	65.5	80.8	15.3	1.11	5.95	1.20
E-16-002	68.6	86.9	18.3	1.43	14.58	1.66
E-16-003	50.3	86.9	36.6	0.65	9.39	0.80
E-16-004	41.1	65.5	24.4	2.04	11.49	2.22
E-16-005	19.8	170.7	150.9	0.87	7.78	1.00
Inc.	19.8	65.5	45.7	1.93	15.08	2.17
Inc.	24.4	42.7	18.3	3.46	23.39	3.84
E-16-006	15.2	24.4	9.2	0.65	6.68	0.76

* Gold Equivalent (“AuEq”) calculated using a 61.9 gold to silver ratio and assumes 100% metallurgical recoveries. True width is approximately 80-90% of Thickness.

A complete set of cross-sections through the South Jumbo and a trace map showing the surface location of the RC holes is available here:

<http://www.trimetalsmining.com/wp-content/uploads/2017/01/EtnaPlanSections6000N-6900N.pdf>

Ralph Fitch, President and CEO of the Company stated “These latest results from South Jumbo are very important for the advancement of the Gold Springs project, demonstrating the existence of much higher-grade, near surface, mineralization than has typically been drilled in the past. Any extension of the 2-3 g/t gold intercept seen in E-16-005 and E-16-004 would potentially allow for the development of a higher-grade starter pit with its associated positive economic impacts, to be mined at the beginning of project development, together with our existing resource, estimated in North Jumbo, 1.5-3.0 km to the north. Drilling has now indicated the presence of gold mineralization over approximately half of the 5 km Jumbo Trend which is defined by the ZTEM geophysical anomaly. It is planned to update the Gold Springs resource estimate this quarter using the drill results from both the 2015 and 2016 drill programs, including the results reported here.”

All holes contained an upper and lower mineralized zone and all ended in mineralization, including hole E-16-001, which was drilled to a total depth of 214.9 metres with the last 15.2 metres of the hole averaging 0.67 g/t Au and 3.06 g/t Ag. Importantly, 198.1 metres of this hole averaged 0.36 g/t AuEq and, as noted above, ended in mineralization. The deeper mineralization seen in E-16-001 was not reached in any of the other holes as all ended at much shallower depths. These stacked mineralized zones and the deeper mineralization intersected in hole E-16-001 suggest that the South Jumbo has the potential to develop into a significant mineral system with thicknesses of mineralization comparable, or greater than, those seen in the area of the presently reported resource estimate in North Jumbo (NI 43-101 Technical Report

dated August 12, 2015). The South Jumbo (Etna) extends another 1000 metres south of the reported holes, to the southern end of the ZTEM geophysical anomaly.

Hole E-16-006, the most northern of the holes reported, contained shorter, and lower grade intervals of gold-silver mineralization than the other five holes reported here, however, this mineralization is very significant in that it shows the mineral system continues to the north, in an area of structural complexity, that geological interpretation indicated might have cut-off the mineralization.

Details of mineralization intersected:

Hole	From (m)	To (m)	Thickness (m)	Gold (g/t)	Silver (g/t)	AuEq (g/t)
E-16-001	16.8	214.9	198.1	0.32	2.52	0.36
Inc.	16.8	88.4	71.6	0.47	3.8	0.53
Inc.	65.5	80.8	15.3	1.11	5.95	1.21
and	111.3	123.4	12.1	0.61	2.88	0.66
and	199.6	214.9	15.3	0.67	3.06	0.72
E-16-002	0	105.2	105.2	0.56	5.54	0.65
Inc.	68.6	86.9	18.3	1.43	14.58	1.66
E-16-003	38.1	96.0	57.9	0.48	8.19	0.61
Inc.	50.3	86.9	36.6	0.65	9.39	0.81
E-16-004	25.9	36.6	10.7	0.48	4.67	0.55
	36.6	41.1	4.5	Old Working		
and	41.1	65.5	24.4	2.04	11.49	2.22
E-16-005	19.8	170.7	150.9	0.87	7.78	1.00
Inc.	19.8	65.5	45.7	1.93	15.08	2.17
Inc.	24.4	42.7	18.3	3.46	23.39	3.84
and	117.3	153.9	36.6	0.95	9.3	1.10
E-16-006	15.2	24.4	9.2	0.65	6.68	0.76
and	120.4	132.6	12.2	0.38	5.46	0.47

Drill Hole	Easting - UTM NAD 27	Northing - UTM NAD 27	Elevation (m)	Azimuth	Inclination	TD (ft)	TD (m)
E-16-001	760606	4196611	6622	90	-50	705	214.9
E-16-002	760579	4196650	6620	90	-50	485	147.8
E-16-003	760555	4196701	6615	90	-50	515	157.0
E-16-004	760545	4196754	6612	90	-50	625	190.5
E-16-005	760531	4196787	6603	90	-50	605	184.4
E-16-006	760529	4196834	6590	90	-65	525	160.0

About TriMetals Mining Inc.

TriMetals Mining Inc. is a growth focused mineral exploration company creating value through the exploration and development of the near surface, Gold Springs gold-silver project in mining friendly Nevada and Utah in the U.S.A.

The Company's approach to business combines the team's track record of discovery and advancement of large projects, key operational and process expertise, and a focus on community relations and sustainable development. Management has extensive experience in the global exploration and mining industry.

The Company's common shares and Class B shares are listed on the Toronto Stock Exchange under the symbols "TMI" and "TMI.B" and the common shares and Class B shares also trade on the OTCQX market under the symbol "TMIAF" and "TMIBF". Note that the Class B shares have no interest in the properties or assets of the Company other than a collective entitlement to 85% of the net cash, if any, (after deducting all costs, taxes and expenses and the third-party funder's portion thereof) received by TMI from award or settlement in relation to the Company's subsidiary South American Silver Limited's arbitration proceeding against Bolivia for the expropriation of the Malku Khota project in 2012. Additional information related to TriMetals Mining Inc. is available at www.trimetalsmining.com and on SEDAR at www.sedar.com.

Qualified Person

The Qualified Person on the Gold Springs property is Randall Moore, Executive Vice President of Exploration – North America of TriMetals Mining Inc. and he has reviewed and approved the content of this press release. The Qualified Person verified the data for its geological reasonableness, checked all the inputs and verified the analytical data through an analysis of the blanks and standards submitted with the drill-chip samples.

Quality Assurance and Quality Control

Approximately 10 kg of RC chips were sent to the laboratory for each 1.52 metre drill interval. Fifteen percent of the samples submitted by the Company are blanks and standards for QA/QC purposes. In addition, the laboratory also includes duplicates of samples, standards and blanks. The results of these check assays are reviewed prior to the release of data. All RC chip sample assays are also reviewed for their geological context and checked against the drill logs.

Assay Method

TMI Assays were performed in Sparks, Nevada by Bureau Veritas Mineral Laboratories, an ISO 9001:2000 Certified laboratory. Gold was analyzed by fire assay of a 30-gram sample with an AAS finish with samples assaying greater than 10 g/t re-assayed using a 30-gram sample and a gravity finish. All other elements were analyzed by a four acid leach ICP method coded MA300.

No known drilling, sampling, recovery or other factors have been observed that could materially affect the accuracy or reliability of the data referred to in this news release.

Gold Equivalent

Gold Equivalent (AuEq) in this press release was calculated using a 61.9 gold to silver ratio and assumes 100% metallurgical recoveries.

Forward-Looking Statements

Certain statements contained herein constitute "forward-looking information" or "forward-looking statements" under applicable securities laws ("forward-looking statements"). Forward-looking statements look into the future and provide an opinion as to the effect of certain events and trends on the business. Forward-looking statements may include words such as "outline", "suggesting" or "suggest", "continue", "indicates", "would", "potentially" or "potential", "planned" and similar expressions. Interpretations of exploration results, including the strength of mineralization, are also forward-looking statements. These forward-looking statements are based on current expectations and entail

various risks and uncertainties. Actual results may materially differ from expectations if known and unknown risks or uncertainties affect our business or if our estimates or assumptions prove inaccurate. Factors that could cause results or events to differ materially from current expectations expressed or implied by the forward-looking statements, include, but are not limited to, risks of the mineral exploration industry which may affect the advancement of the Gold Springs project, including possible variations in mineral resources, grade, recovery rates, metal prices, capital and operating costs, and the application of taxes; availability of sufficient financing to fund planned or further required work in a timely manner and on acceptable terms; availability of equipment and qualified personnel, failure of equipment or processes to operate as anticipated, changes in project parameters, including water requirements for operations, as plans continue to be refined; regulatory, environmental and other risks of the mining industry more fully described in the Company's Annual Information Form and continuous disclosure documents, which are available on SEDAR at www.sedar.com. The assumptions made in developing the forward-looking statements include: the accuracy of current resource estimates and the interpretation of drill, metallurgical testing and other exploration results; the continuing support for mining by local governments in Nevada and Utah; the availability of equipment and qualified personnel to advance the Gold Springs project; execution of the Company's existing plans and further exploration and development programs for Gold Springs, which may change due to changes in the views of the Company or if new information arises which makes it prudent to change such plans or programs.

Readers are cautioned not to place undue reliance on the forward-looking statements contained in this press release. Except as required by law, the Company assumes no obligation to update or revise any forward-looking statement, whether as a result of new information, future events or any other reason. Unless otherwise indicated, forward-looking statements in this press release describe the Company's expectations as of January 11, 2017.

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