

TORONTO, ONTARIO--(Marketwired - Mar 1, 2017) - Silver Bear Resources Inc. ("Silver Bear" or the "Company") (TSX:SBR) is pleased to announce the results of a resource update and a Preliminary Economic Assessment ("PEA") for Mangazeisky North ("M North") deposit of the Mangazeisky Silver Project (the "Project") in the Republic of Sakha (Yakutia), Russia. The PEA investigates the integration of M North and the Vertikalny Central deposit as a single plant multi-pit operation. The NI 43-101 Technical Report will be filed on SEDAR within 45 days of the release. The Resource Update and PEA were prepared by independent mining consultants, Tetra Tech Canada Inc. ("Tetra Tech").

The M North PEA studied two options first, the integration of the M North mine plan into the Vertikalny Central mine schedule detailed in the 2016 FSU ("2016 FSU"), in which mining at M North will commence in Q3 2019, with first mineralised material processed at the Vertikalny Central mine in Q1 2020 ("PEA-Integrated") and secondly a stand-alone option for M North ("PEA-Stand-alone"). For the M North PEA and mineral resource update please refer to Appendix A in this press release.

Graham Hill, President and Chief Executive Officer, commented: "I am very pleased with the outcome of the resource update and the positive results support our goal of increasing resources and mine life by establishing a multi-pit single plant mining operation by integrating multiple satellite resources with the original Vertikalny Central mine development. The PEA demonstrates that the Mangazeisky North deposit merits implementation and integration into the Project adding significant value to the mine life and NPV when combined with the Vertikalny Central mine schedule. Importantly, it delays the requirement to go underground at Vertikalny Central with the resultant delay in underground development capital expenditure which, together with its extension to the life of mine of the overall Project, substantially benefits the Project."

"Based on the positive PEA the Company will be initiating a feasibility study at M North during Q2 2017, as well as continuing its exploration and resource drilling campaign on a number of satellite resources and targets that surround the Vertikalny Central mine area."

M North PEA-Integrated Highlights

- Increases NPV for the Project - Pre-tax NPV, at a 5% discount rate is US\$157.7 million a US\$25 million increase over the pre-existing NPV of US\$132.6 million from the 2016 FSU;
- With Far East Tax incentives, the post-tax NPV at 5% discount rate is US\$139.7 million;
- Increases mine life for the Project - Production contribution of M North of 5.06 million ounces of silver over a 3-year LOM. Project life is extended to 11 years with underground mining delayed from year 3 to year 6;
- Nominal increase in Capital Expenditure - Initial capital cost to bring M North into production utilizing the Vertikalny processing plant is estimated to be US \$2.15m; and
- Updated Mineral Resources at M North resulted in a 10% increase in the Indicated Mineral Resource tonnes; and a 23% increase in the M North's Indicated Mineral Resource grade. The combined Inferred and Indicated Mineral Resource for M North increases 29% and 12% in grade.

The conceptual development plan assumes open pit mining at Vertikalny for years 1 to 4, followed by open pit operations at Mangazeisky North for years 3 to 7, before reverting back to Vertikalny Central to commence underground mining from years 6 to 10. The overlap in open pit operations allows for a gradual shift of operations from Vertikalny to Mangazeisky North without the need for additional resources, while the overlap of the open pit and underground operations allow for the advance development of sufficient underground working faces to support production.

The vast majority of the mineralised material within the optimised open pit at Mangazeisky North is classified as Indicated Mineral Resource, such, this material could be directly transferred to a Mineral Reserve when the project is advanced to a Prefeasibility or Feasibility Study. Further limited drilling may be needed towards the base of the proposed pit to upgrade the remaining few blocks of Inferred resource. This will easily be incorporated into this season's exploration plans.

The PEA considers the potential economic viability of developing a satellite deposit in conjunction with the main development project, based on existing Vertikalny Central Mineral Reserves, 2016 Feasibility Study Update, and production scenario is still current.

The PEA is preliminary in nature as it includes Inferred Mineral Resources that are considered too speculative geologically to have the same economic considerations applied to them that would enable them to be categorized as Mineral Reserves. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability, and as such there is no certainty that the preliminary assessment and economics will be realized.

About Silver Bear

Silver Bear (TSX:SBR) is focused on the development of its wholly-owned Mangazeisky Silver Project, covering a licence area of approximately 570 km² that includes the high-grade Vertikalny deposit (amongst the highest grade silver deposits in the world), located 400 km north of Yakutsk in the Republic of Sakha within the Russian Federation. The Company was granted a 20-year mining licence for the Vertikalny deposit in September 2013 and updated its Feasibility Study in Q4 2016. Other information relating to Silver Bear is available on SEDAR at www.sedar.com as well as on the Company's website at www.silverbearresources.com.

Cautionary Notes

This release and subsequent oral statements made by and on behalf of the Company may contain forward-looking statements, which

management's expectations. Wherever possible, words such as "intends", "expects", "scheduled", "estimates", "anticipates", "believes", "similar expressions or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be" have been used to identify these forward-looking statements. Although the forward-looking statements contained in this release reflect management's current beliefs based upon information currently available to management and based upon what management believes are reasonable assumptions, Silver Bear cannot be certain that actual results will be consistent with these forward-looking statements. Forward-looking statements in this press release include statements regarding the successful completion of negotiations with Aterra regarding a convertible note restructuring and the timing and terms of a new financing process for the Company. A number of factors could cause events and achievements to differ materially from the results expressed or implied in the forward-looking statements. Such risk factors include, but are not limited to, the possibility that necessary TSX or shareholder approvals are not received or other conditions to completion are not satisfied, lack of investor demand, and to risk factors identified by Silver Bear in its continuous disclosure filings filed from time to time. These factors should be considered carefully and prospective investors should not place undue reliance on the forward-looking statements. Forward-looking statements necessarily involve significant known and unknown risks, assumptions and uncertainties that may cause actual results, events, prospects and opportunities to differ materially from those expressed or implied by such forward-looking statements. Although Silver Bear has attempted to identify important risks and factors that could cause actual actions, events or results to differ from those described in forward-looking statements, there may be other factors and risks that cause actions, events or results not to be anticipated, estimated or intended. There can be no assurance that forward-looking statements will prove to be accurate, as actual results or future events could differ materially from those anticipated in such statements. Accordingly, prospective investors should not place undue reliance on forward-looking statements. These forward-looking statements are made as of the date of this release, and Silver Bear assumes no obligation to update or revise them to reflect new events or circumstances, unless otherwise required by law.

Appendix A

M North Mineral Resource Update

A summary of the Mineral Resources for the Mangazeisky Project are presented in Table 1 below. All of the satellite deposits are within the Vertikalny Central.

Table 1 Summary of Mineral Resource Estimates for the Mangazeisky Project

Zone	Indicated Resource			Inferred Resource		
	Tonnes (t)	Grade Ag (g/t)	Contained Metal Ag (Troy oz)	Tonnes (t)	Grade Ag (g/t)	Contained Metal Ag (Troy oz)
Vertikalny Central	700,000	1,227	27,700,000	350,000	786	350,000
Vertikalny Northwest				200,000	476	200,000
Nizhny Endybal				710,000	316	710,000
Mangazeisky North	334,000	770	8,250,000	127,000	560	127,000
Mangazeisky South				60,000	246	60,000
Sterzhnevoy				48,000	1,530	48,000
Silver Total	1,034,000	1,079	35,950,000	1,495,000	504	1,495,000
Zone	Inferred Resource			Contained Metal Ag (Troy oz)		
Porphirov	80,000	1.7	46	0.6	4,000	115,000

Notes:

The effective date of the Sterzhnevoy and Porphirov maiden resources is August 27th, 2016. The effective date of the Vertikalny Central Resource is July 8th, 2016 and the Vertikalny Northwest Resource is February 10th, 2015. The effective date of the original Nizhny Endybal Resource estimate was September 11, 2012, this resource was re-stated with a higher cut-off grade on June 10th, 2015. The effective date of the Mangazeisky North Resource is October 19th, 2016 and the Mangazeisky South Resource is June 10th, 2015.

Resource Estimation Assumptions and Methods

Key Assumptions used to estimate the Mineral Resources are:

- The Mineral Resources have been estimated into two separate three dimensional block models each comprising the following
 - 20 m x 20 m x 5 m (x, y, z), with minimum sub-block dimensions of 1 m x 1 m x 0.5 m (x, y, z).
- The estimation was constrained to the mineralised zone using wireframe solid models. The wireframes were sub-domained to the mineralised structure.
- Grade estimates were based on 0.5 m composited assay data.
- The interpolation of the metal grades was undertaken using Ordinary Kriging.
- In order to demonstrate that the deposit has reasonable prospects for economic extraction a cut-off grade of 150 g/t has been applied to the Mangazeisky North, based upon the following assumptions:
 - Silver Price of \$17 /Troy oz.
 - Mining Cost of US \$75 /t.
 - Processing Cost of US \$50 /t.
 - General and administration costs of US \$40 /t.
 - Overall Silver recovery of 90%.

Mineral Resources that are not Mineral Reserves to not have demonstrated economic viability. The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, title, taxation, socio-political marketing, or other relevant issues. Although Silver Bear and Tetra Tech are not aware of any material barrier to eventual economic extraction.

M North Mine Design and Processing

The Mangazeisky North deposit vein dips to the northeast at approximately 50 degrees with a width between 1.0 and 3.0 m, with an average width of 1.5 m. Its general dimensions, geometry and the location of the outcrops make it amenable to conventional open pit mining. The open pit operation will follow the same pattern as that used at Vertikalny, with relatively small excavators (1.6 to 2.5 m³) matched with 30 to 40 tonne haul trucks. Once the open pit operation at Vertikalny is reaching completion, the mining equipment will be progressively moved across to Mangazeisky North. As with Vertikalny, selective mining of the Resources will be required to minimise loss of mineralised material, along with the addition of waste dilution. The bench height has therefore been limited to 5 m and each bench will be mined with two flitches of 2.5 m. It has been assumed that the haul road and truck expedite traffic outside the perimeter of the open pit on the eastern flanks of the deposit.

+7 916 731 5673

info@silverbearresources.com

[Silver Bear Resources Inc.](#)

Mangazeisky North will have its own processing plant and material mined from the pit that is above the cut-off grade will be transported to the ROM pad at Vertikalny for processing. Preliminary test work indicates a metallurgical recovery of 77% when treated at this facility. The Mangazeisky North mineralised material is processed in the Vertikalny process plant at an average rate of 150 kt/a, which is 36% higher than the 110 kt/a production rate for Vertikalny ore. This increase in production rate, which allows cash flow to be brought forward and reduces time related overhead costs, is supported by initial metallurgical tests that show a reduction in leach retention time for the M North mineralised material.

Buchanan UK

Bobby Morse

+44 (0) 20 7466 5000

M North Financial Performance

Buchanan UK

Anna Michniewicz

+44 (0) 20 7466 5146

The integration of the Mangazeisky North mine plan into the Vertikalny mine schedule between the open and underground phases, means that the NPV (5%) is improved from \$132 million to \$157 million when compared to the Vertikalny mine plan that was presented in the Vertikalny Feasibility Study.

Table 1: Financial Performance Parameters

Item	Units	PEA-Integrated (Feb 2017)			PEA-S (Feb 2017)
		2016 FSU	MNOP+FSU (FSU+MNOP) Less FSU		
Silver Price (LOM Weighted Average)	US \$/troy oz	19.76	19.81	-	19.85
Exchange Rate	RUB/\$	66.00	66.00	-	66.00
Production Summary					
Total capital cost (LoM)	US \$ million	65.2	67.4	2.15	2.15
Quantity of ore/ mineralised material (LOM)	kt	821.8	1,208.5	386.7	386.7
Silver Head Grade	g/t	852	750	-102	530
Recovered Silver	koz (troy)	18,875	23,938	5,063	5,079
Unit Operating Costs	\$/t processed	158.84	155.86	0.29	144.67
Key Financial Results					
Pre-tax Results					
Pre-tax Net Cash Flow	US \$ million	166.0	203.7	37.7	39.9
Pre-tax NPV at a 5% Discount Rate	US \$ million	132.6	157.7	25.1	35.3
Pre-tax Payback	Years	1.3	1.3	-0.0	0.4
Post-tax results (with Far East Tax Incentives)					
Post-tax Net Cash Flow	US \$ million	154.0	178.6	24.6	39.2
Post-tax NPV at a 5% Discount Rate	US \$ million	123.1	139.7	16.6	34.8
Post-tax Payback	Years	1.3	1.4	0.1	0.4
Production Cost					
Cash Cost	US \$/troy oz Ag recovered	7.49	8.08	0.59	11.22
Capital cost (excluding contingency)	US \$/troy oz Ag recovered	3.49	2.76	-0.73	0.27
Total Cost	US \$/troy oz Ag recovered	10.98	10.84	-0.14	11.50

The financial performance of the implementation of the M North deposit in isolation, is shown for reference. The basis of this case is that all existing Vertikalny infrastructure is available for use with no residual value. The only capital required is for a haul road and additional tailings storage capacity.