

# Southern Silver Confirms New Gold Zone at Cerro Las Minitas with a 28.5 Metre Intercept Averaging 1.41g/t Au and 36g/t Ag, (201g/t AgEq)

Vancouver, British Columbia--(Newsfile Corp. - December 16, 2020) - **Southern Silver Exploration Corp. (TSXV: SSV) (OTCQB: SSVFF) ("Southern Silver")** reported today further assay results from its 10,000 metre 2020-21 core drilling program on the **Cerro Las Minitas project**, Durango State, Mexico. These early results from the Mina La Bocona target include a near surface interval of strongly gold-enriched oxidized mineralization and a deeper poly-metallic sulphide zone from hole 20CLM-125 which returned:

- a **28.5m down hole interval averaging 1.41g/t Au and 36g/t Ag (201g/t AgEq)** including a higher grade **2.8m interval averaging 5.1g/t Au and 72g/t Ag (552 AgEq)** starting at 23.8m down-hole; and
- a **6.1m down-hole interval (4.0m est. TT) averaging 421g/t Ag, 0.45g/t Au, 5.5% Pb and 1.9% Zn (704g/t AgEq; 17.9% ZnEq)** including a higher grade **0.9m (0.6m est. TT) grading 1420g/t Ag, 0.64g/t Au, 16.8% Pb and 0.6% Zn (2012g/t AgEq; 51.0% ZnEq)** starting at 221.8 metres down-hole.

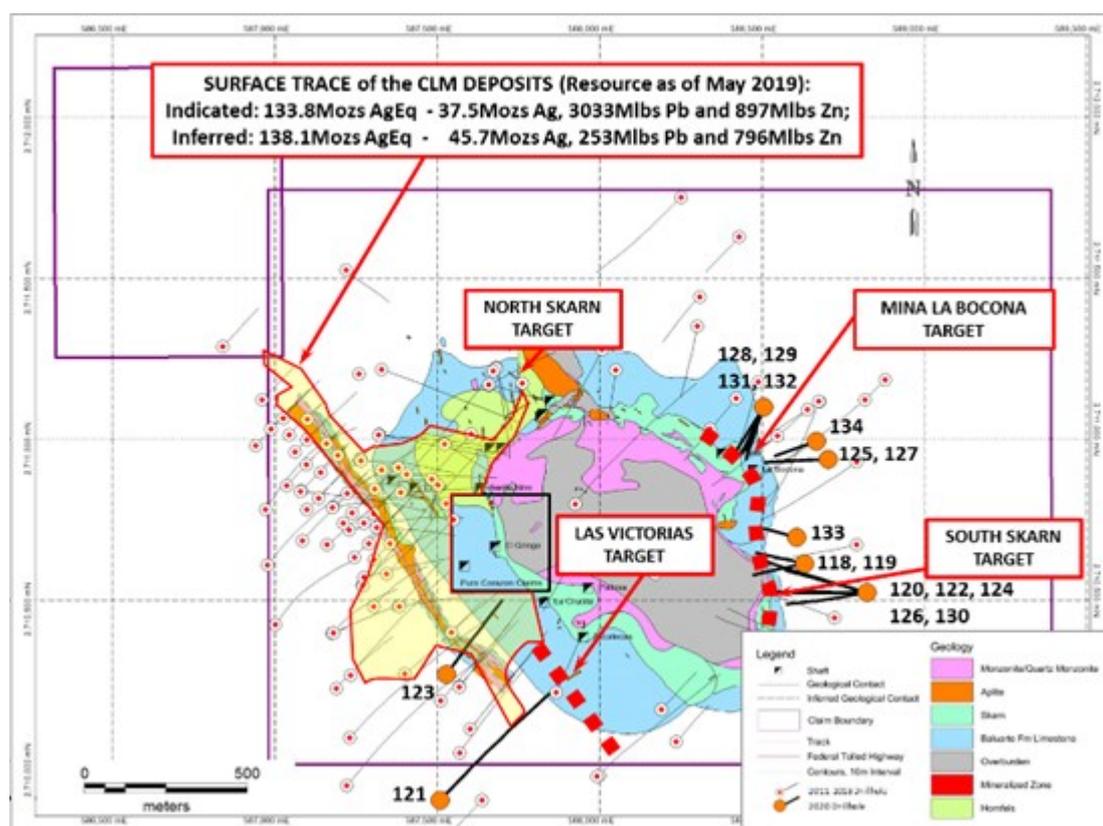
The upper gold-enriched oxide zone in hole 20CLM-125 correlates well with a previously reported oxide gold zone from hole **15CLM-078** with **7.8m (3.9m est. TT) averaging 13.5g/t Au, 37g/t Ag, 2.2% Pb and 1.7% Zn (1093g/t AgEq (see NR-10-15))** and a deeper gold-enriched sulphide zone from hole **15CLM-082** with **10.1m (4.8m est. TT) averaging 1.4g/t Au and 88g/t Ag, 1.6% Pb and 2.1% Zn (378g/t AgEq) (see NR14-15)** which together form a new gold-enriched oxide/sulphide target well outboard of the Central Intrusion and extending 120 metres along strike and up to 168 metres in depth. Mineralization is open to the southeast and at depth. Additional sampling has been completed both up hole and down hole of the oxide gold intervals in each of holes 20CLM-125 and 15CLM-078 to determine the full extent of the gold anomaly in each of these holes. Assays are pending.

The deeper silver-enriched polymetallic zone in hole 20CLM-125 is contained within the upper 19.8 metres of a semi-continuous mineralized zone extending from 216.8 metres to 272.0 metres downhole and is an approximate 25 metre down-dip step-out of similar mineralization first identified in the 2015 hole **15CLM-078** with **16.5m (8.2m est. TT) averaging 0.5g/t Au, 150g/t Ag, 3.7% Pb and 0.7% Zn (325g/t AgEq) (see NR-10-15; October 1, 2015)**. Assays for the remaining 35 metres of the 55.2 metres mineralized interval are pending.

As well, two additional holes have been completed in this part of the Bocona Target and a further four holes tested the down-dip projection of the La Bocona chimney located approximately 135 metres to the northwest. Seven holes totaling 2,470 metres have now tested the Mina La Bocona target area with assays still pending from each hole.

Rob Macdonald, Vice President Exploration stated: *"The confirmation of a shallow and potentially high-grade gold target continues to highlight the terrific exploration potential on the east side of the Cerro in the area of the historic Mina La Bocona chimney which was mined and developed by artisanal miners to more than 200 metres in depth and produced up to an estimated 400,000 tonnes of ore. Further drilling in the New Year will continue to test and extend this zone as it projects to the southeast and to depth. This new drilling has also confirmed the extension of high-grade polymetallic mineralization from hole 15CLM-078 providing yet another target for follow-up in 2021."*

Approximately 7,500 metres of drilling have now been completed of the anticipated 10,000 metres of core drilling for the 2020-21 exploration program. Drilling has paused for the Christmas break and will continue early in January with one drill focused on the Mina La Bocona target and a second drill exploring the South Skarn target.



**Figure 1: Plan Map of the Area of the Cerro showing the distribution of the CLM deposits and the location for new drill targeting, at the Mina La Bocona, South Skarn and Las Victorias targets.**

To view an enhanced version of Figure 1, please visit:

[https://orders.newsfilecorp.com/files/5344/70431\\_dd630291c41c880b\\_002full.jpg](https://orders.newsfilecorp.com/files/5344/70431_dd630291c41c880b_002full.jpg)

Drilling on the east side of the Cerro will test an approximate 800 metre strike length of the South Skarn Target and Mina La Bocona Target mineralized zones to depths of up to 650 metres as well as a high-grade hanging wall zone in the Mina La Bocona Target area. These drill targets are designed to increase the current mineral resource estimate of 24 million tonnes by approximately 30%.

The CLM Project remains one of the larger undeveloped silver-lead-zinc projects in the World and is wholly owned, unburdened by royalties, fully financed and fully permitted.

**Table 1: Select Assay intervals from Drill Hole 20CLM-125**

Hole #	From (m)	To (m)	Interval (m)	Est Tr Thck (m)	Ag (g/t)	Au (g/t)	Cu (%)	Pb (%)	Zn (%)	AgEq (g/t)	ZnEq (%)	Notes
<b>Mina La Bocona Target</b>												
20CLM-125	23.8	52.25	28.5	UNK	36	1.41	0.02	0.7	0.6	201	5.1	0.5g/t Au Cutoff Open Ended
inc.	31.35	34.1	2.8	UNK	72	5.09	0.08	1.0	0.5	552	14.0	
and inc.	48.9	52.25	3.4	UNK	57	2.59	0.03	1.2	1.7	377	9.6	
20CLM-125	135	138.05	3.1	UNK	17	0.66	0.03	0.8	0.5	122	3.1	

20CLM-125	216.75	236.55	19.8	13.0	183	0.25	0.03	2.3	0.8	308	7.8	24.5% dilution Open at depth
inc.	221.75	227.8	6.1	4.0	421	0.45	0.01	5.5	1.9	704	17.9	
inc.	223.65	224.55	0.9	0.6	1420	0.64	0.01	16.7	0.6	2012	51.0	

**Table 2: Previously Reported 2020 Assay Results from the South Skarn and Las Victorias Target areas**

Hole #	From (m)	To (m)	Interval (m)	Est Tr Thck (m)	Ag (g/t)	Au (g/t)	Cu (%)	Pb (%)	Zn (%)	AgEq (g/t)	ZnEq (%)	Notes
<b>Previously Reported South Skarn Assay Results</b>												
20CLM-118	170.1	177.0	6.9	4.0	109	0.14	0.02	1.8	2.1	259	6.6	27.50%
inc.	174.2	175.4	1.2	0.9	412	0.14	0.06	7.8	9.2	1033	26.2	
and	188.8	190.0	1.1	0.8	132	0.12	0.02	2.8	2.0	308	7.8	
20CLM-119	95.0	96.5	1.5	1.1	54	2.83	0.01	3.6	0.4	417	10.6	41.9% dilution  40.8% dilution
and	206.4	210.7	4.3	3.2	99	0.27	0.01	0.7	0.6	165	4.2	
inc.	206.4	207.6	1.2	0.9	216	0.22	0.01	0.8	0.1	265	6.7	
and	226.1	235.1	9.0	6.7	625	0.11	0.03	11.8	7.5	1298	32.9	
inc.	226.1	228.4	2.3	1.7	1338	0.15	0.04	25.9	17.6	2849	72.3	
and inc.	232.0	233.3	1.3	0.9	1480	0.09	0.04	26.5	16.8	2973	75.4	
and	241.5	243.0	1.6	1.2	112	0.07	0.02	2.2	2.1	272	6.9	
20CLM-120	343.8	345.7	1.9	1.4	101	0.08	0.00	0.9	0.2	145	3.7	
and	429.0	432.6	3.7	2.7	511	0.10	0.13	5.0	3.7	835	21.2	
inc.	431.8	432.6	0.9	0.6	902	0.05	0.16	7.8	8.4	1496	37.9	
and	441.0	442.3	1.3	1.0	51	0.07	0.06	1.5	1.1	153	3.9	
and	450.8	452.9	2.1	1.6	182	0.23	0.21	4.4	4.1	522	13.2	
20CLM-122	390.7	391.9	1.2	0.9	97	0.18	0.01	0.2	0.2	124	3.1	39.4% dilution
and	417.8	419.0	1.2	0.9	247	0.19	0.07	4.7	1.2	463	11.7	
and	435.0	442.8	7.8	5.8	66	0.05	0.02	0.4	0.2	92	2.3	
inc.	442.1	442.8	0.6	0.5	237	0.07	0.02	0.9	0.2	281	7.1	
20CLM-124	397.2	402.1	5.0	3.3	304	0.11	0.18	4.8	1.9	555	14.1	31.1% Dilution
inc	400.1	401.0	0.8	0.6	607	0.15	0.49	11.0	3.4	1146	29.1	
and	475.0	490.6	15.6	10.4	172	0.08	0.15	3.8	3.7	458	11.6	

inc.	475.0	483.7	8.7	5.8	286	0.11	0.27	6.4	5.8	749	19.0
inc.	475.0	475.9	0.9	0.6	975	0.05	1.27	21.2	18.5	2503	63.5
and	498.0	499.9	1.9	1.2	303	0.05	0.02	7.1	5.8	755	19.2
inc.	499.0	499.9	0.9	0.6	544	0.05	0.02	13.1	9.1	1313	33.3

Hole #	From (m)	To (m)	Interval (m)	Est. Tr. Thck (m)	Ag (g/t)	Au (g/t)	Cu (%)	Pb (%)	Zn (%)	AgEq (g/t)	ZnEq (%)	Notes
						Previously Reported Las Victorias						
20CLM-121	678.6	679.1	0.5	0.4	155	1.79	2.28	0.1	22.8	1460	37.0	
and	682.6	683.4	0.9	0.7	51	0.02	0.29	0.1	3.0	204	5.2	
and	685.9	687.6	1.8	1.4	188	0.07	0.53	0.2	4.1	420	10.7	
20CLM-123	134.6	140.8	6.2	4.3	33	0.94	0.00	0.3	0.4	136	3.4	
and	199.3	205.3	5.9	4.1	63	1.58	0.07	0.8	0.9	259	6.6	

Analyzed by FA/AA for gold and ICP-AES by ALS Laboratories, North Vancouver, BC. Silver (>100ppm), copper, lead and zinc (>1%) overlimits assayed by ore grade ICP analysis, High silver overlimits (>1500g/t Ag) and gold overlimits (>10g/t Au) re-assayed with FA-Grav. High Pb (>20%) and Zn (>30%) overlimits assayed by titration. AgEq and ZnEq were calculated using average metal prices of: US\$20/oz silver, US\$1650/oz gold, US\$3.25/lbs copper and US\$0.9/lbs lead and US\$1.15/lbs zinc. AgEq and ZnEq calculations did not account for relative metallurgical recoveries of the metals. Ore-grade composites calculated using a 80g/t AgEq cut-off and <20% internal dilution, except where noted; anomalous intercepts calculated using a 10g/t AgEq cut-off.

## Cerro Las Minitas Project

The Cerro Las Minitas project is an advanced exploration stage polymetallic Ag-Pb-Zn-Cu Skarn/CRD project located in southern Durango, Mexico.

The Cerro Las Minitas project as of May 9<sup>th</sup>, 2019 contains a Mineral Resource Estimate, at a 175g/t AgEq cut-off, of<sup>(1)</sup>

- **Indicated - 134Moz AgEq:** 37.5Moz Ag, 40Mlb Cu, 303Mlb Pb and 897Mlb Zn
- **Inferred - 138Moz AgEq:** 45.7Moz Ag, 76Mlb Cu, 253Mlb Pb and 796Mlb Zn

A total of 133 drill holes for 59,000 metres have been completed on the CLM Project with exploration expenditures of approximately US\$25.5 million equating to exploration discovery costs of approximately C\$0.09 per AgEq ounce to the end of 2019.

## About Southern Silver Exploration Corp.

Southern Silver Exploration Corp. is an exploration and development company with a focus on the discovery of world-class mineral deposits. Our specific emphasis is the 100% owned Cerro Las Minitas silver-lead-zinc project located in the heart of Mexico's Faja de Plata, which hosts multiple world-class mineral deposits such as Penasquito, Los Gatos, San Martin, Naica and Pitarrilla. We have assembled a team of highly experienced technical, operational and transactional professionals to support our

exploration efforts in developing the Cerro Las Minitas project into a premier, high-grade, silver-lead-zinc mine. The Company engages in the acquisition, exploration and development either directly or through joint-venture relationships in mineral properties in major jurisdictions. Our property portfolio also includes the Oro porphyry copper-gold project located in southern New Mexico, USA.

1. The 2019 Cerro Las Minitas Resource Estimate was prepared following CIM definitions for classification of Mineral Resources. Resources are constrained using mainly geological constraints and approximate 10g/t AgEq grade shells. The block models are comprised of an array of blocks measuring 10m x 2m x 10m, with grades for Au, Ag, Cu, Pb, Zn values interpolated using ID3 weighting. Silver and zinc equivalent values were subsequently calculated from the interpolated block grades. The model is identified at a 175g/t AgEq cut-off, with an indicated resource of 11,102,000 tonnes averaging 105g/t Ag, 0.10g/t Au, 1.2% Pb, 3.7% Zn and 0.16% Cu and an inferred resource of 12,844,000 tonnes averaging 111g/t Ag, 0.07g/t Au, 0.9% Pb, 2.8% Zn and 0.27% Cu. AgEq cut-off values were calculated using average long-term prices of \$16.6/oz. silver, \$1,275/oz. gold, \$2.75/lb. copper, \$1.0/lb. lead and \$1.25/lb. zinc. Metal recoveries for the Blind, El Sol and Las Victorias deposits of 91% silver, 25% gold, 92% lead, 82% zinc and 80% copper and for the Skarn Front deposit of 85% silver, 18% gold, 89% lead, 92% zinc and 84% copper were used to define the cut-off grades. Base case cut-off grade assumed \$75/tonne operating, smelting and sustaining costs. All prices are stated in \$USD. Silver Equivalents were calculated from the interpolated block values using relative recoveries and prices between the component metals and silver to determine a final AgEq value. The same methodology was used to calculate the ZnEq value. Mineral resources are not mineral reserves until they have demonstrated economic viability. Mineral resource estimates do not account for a resource's mineability, selectivity, mining loss, or dilution. The current Resource Estimate was prepared by Garth Kirkham, P. Geo. of Kirkham Geosciences Ltd. who is the Independent Qualified Person responsible for presentation and review of the Mineral Resource Estimate. All figures are rounded to reflect the relative accuracy of the estimate and therefore numbers may not appear to add precisely.

Robert Macdonald, MSc. P. Geo, is a Qualified Person as defined by National Instrument 43-101 and supervised directly the collection of the data from the CLM Project that is reported in this disclosure and is responsible for the presentation of the technical information in this disclosure.

On behalf of the Board of Directors

"Lawrence Page"

Lawrence Page, Q.C.

President & Director, Southern Silver Exploration Corp.

For further information, please visit Southern Silver's website at [southernsilverexploration.com](http://southernsilverexploration.com) or contact us at 604.641.2759 or by email at [ir@mnx ltd.com](mailto:ir@mnx ltd.com).

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