

SilverCrest Significantly Expands Mineralization at Santa Elena Project, Mexico

TSX-V: SVL

For Immediate Release

VANCOUVER, B.C. September 6, 2007 – SilverCrest Mines Inc. (the “Company”) is pleased to announce that reconnaissance exploration and the first sixteen diamond drill holes of a 40 hole, Phase II drill program have significantly expanded the Santa Elena gold-silver mineralized zone (“Main Zone”) along strike and to depth (see attached Main Zone figure). The sixteen holes completed to date are part of a program to upgrade and expand existing resources (see table below).

The Santa Elena Project is located approximately 150 kilometres northeast of Hermosillo, Sonora, Mexico and is easily accessible with excellent local infrastructure. The Company believes the Santa Elena project offers an opportunity to achieve near term production of silver and gold and anticipates making a production decision before year end.

Diamond Drill Program

The first drill hole, SE07-20 of the planned Phase II 40 hole drill program successfully intersected the Santa Elena Main Zone at a vertical depth of approximately 400 metres. This intercept gives the zone a down dip length of approximately 600 metres from surface and establishes the presence of the zone approximately 300 metres below previous intersections. The zone remains oxidized at these depths over a width of 5.3 metres and the intercept exhibits quartz stockwork, quartz veining and quartz banding that is characteristic of the zone at higher levels where significant gold and silver values have been encountered (see attached Second Level sample plan). The intercept returned values of 0.45 gpt Au and 34.75 gpt Ag over 5.3 metres. It is thought that this intercept may have been outside the plunge of the high grade shoots observed in the deposit nearer to the surface which may account for the lower values. Drilling has now defined the deposit approximately 800 metres along strike and to a vertical depth of about 400 metres or 600 metres down dip. A second deep hole SE07-21 is believed to have been stopped short of the zone and attempts to re-enter and deepen the hole will be made during the current program.

These first two holes also encountered extensive brecciation with disseminated to massive sulphide mineralization as well as intrusive dikes prior to intersecting the Main Zone. These characteristics are generally indicative of epithermal alteration proximal to a possible mineralized porphyry intrusive that may be the source of the Santa Elena mineralization. The Company intends to carry out airborne and ground geophysical surveys to assist in identifying the potential western extension of the Main Zone that appears to be displaced. The geophysics should also identify alteration associated with epithermal veins, major structures and potential deep porphyry targets.

All analysis for core samples is being completed by ALS Chemex in Hermosillo, Mexico and North Vancouver, BC with site quality assurance and control implemented.

Reconnaissance Exploration

Field crews have identified and sampled at surface almost 400 metres of additional strike length of the Santa Elena Main Zone as well as discovered what could be a parallel zone (Rosita Sur target) to the Santa Elena Main Zone and a previously unidentified, thin-bedded volcanoclastic unit with chalcedony stockwork and quartz-barite veining (Araña target). The Araña area may be indicative of a possible sinter, which in this case is a quartz-barite rich zone located in the upper levels of the epithermal system and may suggest that gold and silver grades significantly increase with depth in this area. These newly discovered zones have been sampled and follow-up trenching, detailed sampling and drilling are planned as an extension of the current program. The total surface strike length for the Main Zone is now estimated at approximately 1,200 metres.

Prior to the extension of the Main Zone along strike and to depth, the NI 43-101 resources were estimated at;

Resource Category ¹	Tonnes	Au gpt	Ag gpt	Tons	Au opt	Ag opt	Contained Gold Ounces	Contained Silver Ounces	Silver Equiv. Ounces*	Gold Equiv. Ounces*
Indicated	2,458,900	2.16	55.7	2,710,500	0.063	1.62	171,000	4,391,000	14,651,000	244,183
Inferred	3,514,300	1.42	78.3	3,873,900	0.041	2.28	159,000	8,832,000	18,372,000	306,200

¹ Conforms to NI 43-101, 43-101CP, and current CIM definitions for resources. All numbers are rounded. C. Stewart Wallis, P.Geo., independent qualified person (QP) from the consulting firm of Scott Wilson Roscoe Postle Associates Inc. and N. Eric Fier, CPG, P.Eng. QP and Chief Operating Officer of the Company completed the Santa Elena resource estimation. *Based on 60:1 Silver to Gold ratio and 100% metal recovery.

J. Scott Drever, President stated; "We continue to be impressed with the increasing size and strength of the epithermal system at Santa Elena. The overall size of the possible "container" has increased substantially with the recent deep intercept of the Main Zone and its extension to the east. We are obviously waiting impatiently for assay results to determine if the silver and gold grades are consistent with those encountered to date in other parts of the deposit. Also, the identification of two new possible epithermal systems as well as a potential deep porphyry target certainly adds new dimensions to the possible development of the Santa Elena Project."

In addition to the exploration and detailed drilling programs, the Company is also carrying out a preliminary feasibility study that will define the operating and capital cost parameters for an open pit heap leach operation that would treat approximately 1,750 to 2,000 tonnes of ore per day for a period of 7 to 10 years based on current resource estimates. The study is being prepared by Sol y Abode, Ingenieros Asociados, S.A. de C.V., an independent, qualified engineering consulting firm of Hermosillo, Mexico. A production decision is anticipated by late this year with initial production expected late in 2008 and the first full year of production in 2009.

The Qualified Person for this news release is N. Eric Fier, CPG, P.Eng. and Chief Operating Officer for SilverCrest Mines Inc.

SilverCrest Mines Inc. is a "Silver Focused" exploration and development company with a portfolio of high grade silver deposits and exploration properties located in Mexico and El Salvador. This property portfolio, which includes reported indicated and inferred silver resources and substantial exploration potential, provides an important base from which SilverCrest can develop its corporate objective of becoming a significant silver asset based company. The Company's immediate initiative is to acquire and develop substantial silver resources and ultimately to operate high grade silver mines throughout North, Central and South America.

This news release contains forward-looking statements, which address future events and conditions, which are subject to various risks and uncertainties. The Company's actual results, programs and financial position could differ materially from those anticipated in such forward-looking statements as a result of numerous factors, some of which may be beyond the Company's control. These factors include: the availability of funds; the timing and content of work programs; results of exploration activities and development of mineral properties, the interpretation of drilling results and other geological data, the uncertainties of resource and reserve estimations, receipt and security of mineral property titles; project cost overruns or unanticipated costs and expenses, fluctuations in metal prices; currency fluctuations; and general market and industry conditions.

Forward-looking statements are based on the expectations and opinions of the Company's management on the date the statements are made. The assumptions used in the preparation of such statements, although considered reasonable at the time of preparation, may prove to be imprecise and, as such, undue reliance should not be placed on forward-looking statements.

***On Behalf of the Board of Directors of
SilverCrest Mines Inc.***

"J. Scott Drever"

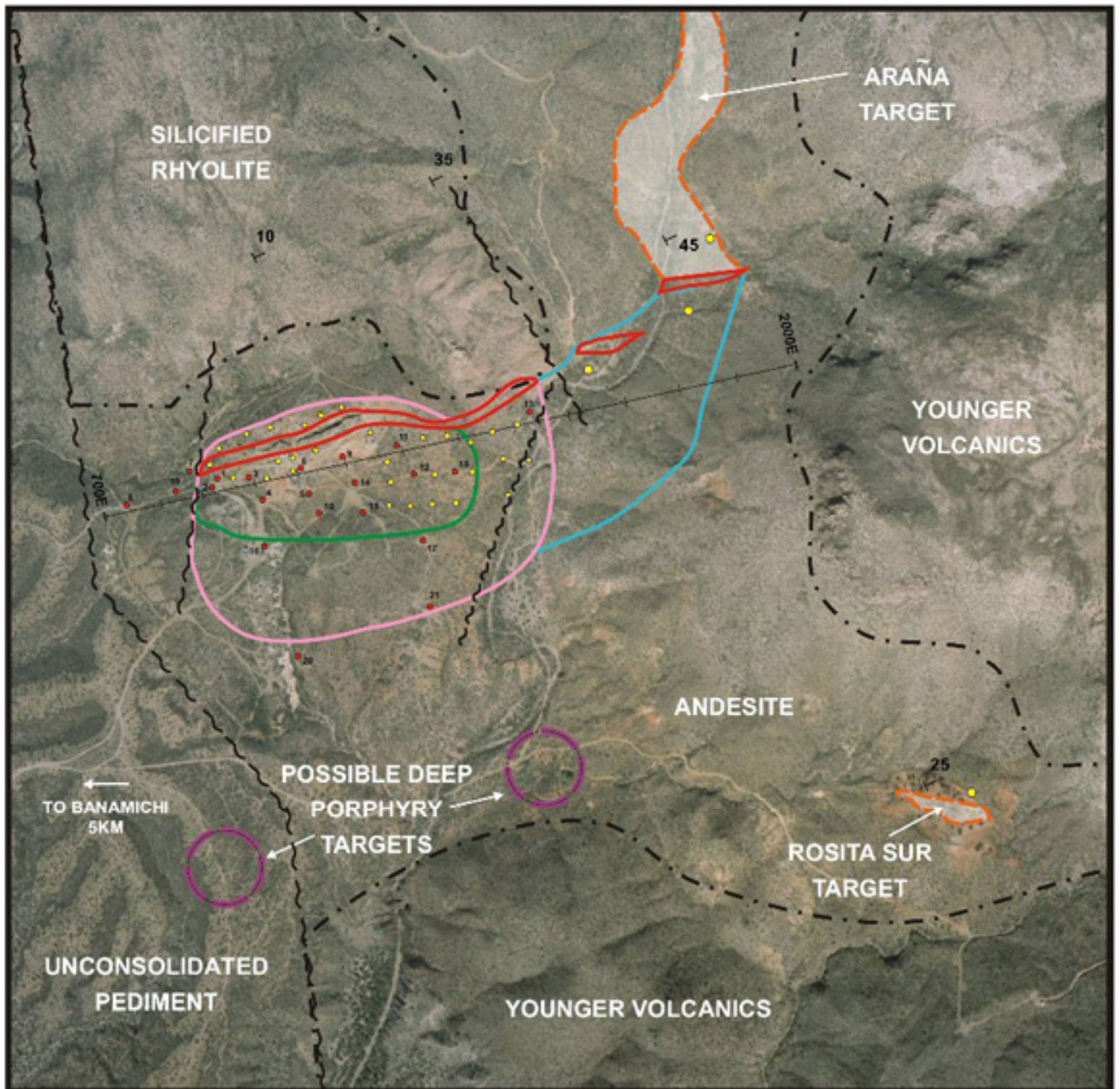
J. Scott Drever, President

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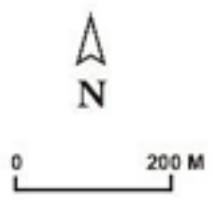
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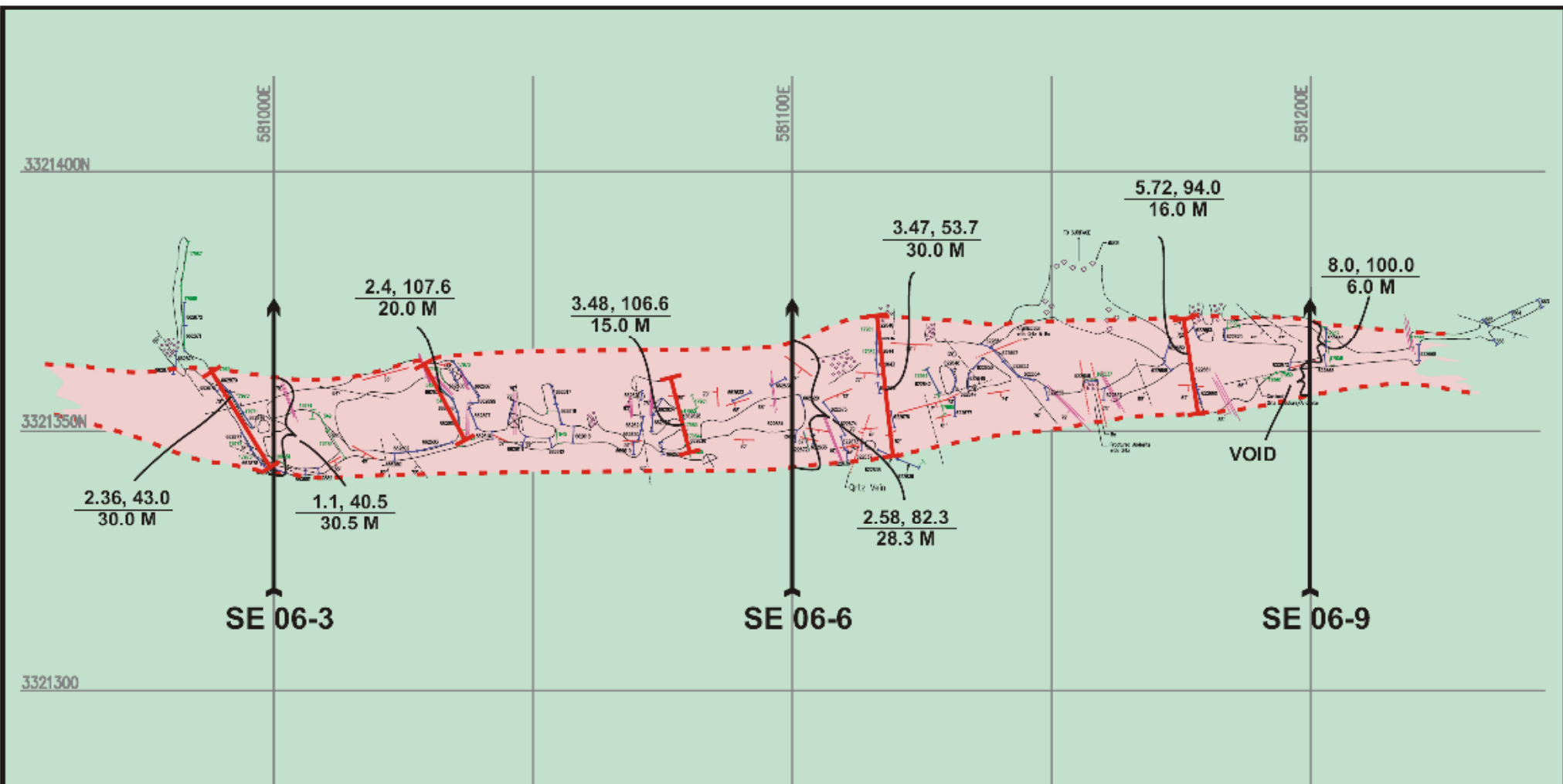


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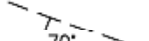






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|--|---|--|
|  Main Zone |  Exploration Targets |  Fault |
|  Current Resource Area |  DDH-Completed |  Bed Strike and Dip |
|  Potential Resource Expansion I |  DDH-Proposed |  Geological Contact |
|  Potential Resource Expansion II | | |



**SANTA ELENA
MAIN ZONE & AREA**
AUGUST 2007



LEGEND

-  65° QUARTZ STRUCTURE
-  70° FAULT
-  85° PREDOMINANT FRACTURING
-  HISTORIC SAMPLES
-  MINERALIZED ZONE
-  COMPOSITE SAMPLES SILVERCREST
-  MUCK
-  BRECCIATED

1.1, 40.5 = Au gpt, Ag gpt
30.5 Metres



SANTA ELENA
SECOND LEVEL PLAN VIEW
UNDERGROUND SAMPLE COMPOSITES
& DRILL HOLE INTERCEPTS