Silver Standard Resources Inc.: Snowfield Project-Gold Zone Continues Expanding

VANCOUVER, BRITISH COLUMBIA, Sep 30, 2010 (Marketwire via COMTEX News Network) -- Silver Standard Resources Inc. (TSX:SSO)(NASDAQ:SSRI) is pleased to report that ongoing diamond drilling of the Snowfield Project continues expanding known mineralization to the south. Most of the new mineralization is in areas previously classified as waste in the Preliminary Assessment announced in September 2010 (see news release dated September 13, 2010). The wholly-owned Snowfield Project is located 65 kilometers north of the town of Stewart in British Columbia, Canada.

A number of step-out drill holes successfully expanded the gold-copper phase of the mineralization to the southeast by approximately 450 meters. As noted in the highlights below, average copper grades appear to be increasing to the southeast. Highlights of these holes included:

-- MZ-111 intersected 109 meters (358 feet) from surface averaging 0.72 grams of gold per tonne and 0.50% copper, including 48 meters averaging 1.09 grams of gold per tonne and 0.91% copper.

Six step-out holes extended the gold-molybdenum mineralization by up to 300 meters to the south. Highlights included:

-- MZ-113 intersected 78 meters (223 feet) averaging 0.98 grams of gold per tonne and 0.04% copper.

-- MZ-114 intersected 182 meters (596 feet) from surface averaging 0.56 grams of gold per tonne and 0.04% copper, including 48 meters averaging 0.79 grams of gold per tonne and 0.03% copper from surface.

This drilling, part of an initial 42,000-meter program of infill and step-out drilling on the Brucejack and Snowfield Projects subsequently expanded to over 48,000 meters, included 17,976 meters completed on the Snowfield Project. See Table 1 for selected intervals from 10 holes for which assays have most recently been received.

The Snowfield Project currently hosts measured and indicated gold resources of 22.04 million ounces and inferred gold resources of 10.99 million ounces, along with resources in copper, silver, molybdenum and rhenium based on a cut-off of 0.30 grams of gold-equivalent/tonne (see the Technical Report and Preliminary Assessment of the Snowfield-Brucejack Project effective September 10, 2010 and the news release dated September 13, 2010). A new resource estimate that includes the 2010 drill results is anticipated in the first half of 2011.

Kenneth C. McNaughton, M.A.Sc., P.Eng., Senior Vice President, Exploration, Silver Standard Resources Inc., is the Qualified Person responsible for Silver Standard's exploration programs.

Silver Standard Resources Inc. is a silver mining company that seeks growth through discovery, the development of its project pipeline, and accretive acquisition opportunities.

Forward Looking Statements: Certain statements in this news release are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and forward-looking information within the meaning of Canadian securities laws (collectively, "forward-looking statements"). Forward-looking statements are statements that are not historical facts and that are subject to a variety of risks and uncertainties which could cause actual events or results to differ materially from those reflected in the forward-looking statements. Forward-looking statements include, without limitation, the estimation of mineral reserves and resources, the timing and amount of estimated future production, costs of production, and costs and timing of development of new deposits. Such risks and uncertainties include, but are not limited to, the timing to complete drilling programs at the Company's exploration projects; differences in U.S. and Canadian practices for reporting mineral resources and reserves; risks and uncertainties relating to the interpretation of drill results and the geology, grade and continuity of our mineral deposits; the

Company's ability to raise sufficient capital to fund development; changes in economic conditions or financial markets; uncertainty of production and cost estimates; the Company's history of losses and expectation of future losses; changes in prices for the Company's mineral products or increases in input costs; litigation, legislative, environmental and other judicial, regulatory, political and competitive developments in Argentina, Australia, Canada, Chile, Mexico, Peru, the United States and other jurisdictions in which the Company may carry on business; technological and operational difficulties or inability to obtain permits or land use agreements in connection with exploration and development activities; labour relations matters; and changing foreign exchange rates, all of which are described more fully in the Company's most recent Form 20-F and other filings with the Securities and Exchange Commission. The Company does not intend, and does not assume any obligation, to update any forward-looking statements, other than as required by applicable law.

Cautionary note to U.S. investors: The terms "measured mineral resource", "indicated mineral resource", and "inferred mineral resource" used in this news release are Canadian geological and mining terms as defined in accordance with National Instrument 43-101, Standards of Disclosure for Mineral Projects ("NI 43-101") under the guidelines set out in the Canadian Institute of Mining, Metallurgy and Petroleum (the "CIM") Standards on Mineral Resources and Mineral Reserves. We advise U.S. investors that while such terms are recognized and permitted under Canadian regulations, the SEC does not recognize them. U.S. investors are cautioned not to assume that any part or all of the mineral deposits in the measured and indicated categories will ever be converted into reserves. "Inferred mineral resources" in particular have a great amount of uncertainty as to their economic feasibility. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to a higher category. Under Canadian rules estimates of inferred mineral resources may not generally form the basis of feasibility or other economic studies. U.S. investors are cautioned not to assume that any part or all of an inferred mineral resource exists, or is economically or legally mineable. Disclosure of contained metal expressed in ounces is in compliance with NI 43-101, but does not meet the requirements of Industry Guide 7 of the SEC, which will only accept the disclosure of tonnage and grade estimates for non-reserve mineralization.

(Source: Silver Standard Resources Inc.)

Table 1: Selected Snowfield Zone Drill Results(1) - September 2010

Hole Number	From (meters)	To (meters)	Interval (meters)	Gold Grade (g/tonne)	Copper (%)	Comments
MZ-106	No Significant Values					Condemnation
MZ-107	116.0	137.0	21.0	0.57	0.05	Condemnation
MZ-108	4.0	102.0	98.0	0.55	0.06	Southern Step-out
	120.0	150.0	30.0	0.54	0.05	
MZ-109	0.9	16.0	15.1	0.84	0.04	Southern Step-out
MZ-110	91.0	122.5	31.5	0.45	0.02	Southern Step-out
MZ-111	26.5	135.5	109.0	0.72	0.50	Eastern Step-out
incl	82.0	129.5	47.5	1.09	0.91	
	171.5	248.0	76.5	0.18	0.15	
MZ-112	No Significant Values					Condemnation
MZ-113	53.0	131.0	78.0	0.98	0.04	Southern Step-out
MZ-114	19.8	201.5	181.7	0.56	0.04	Southern Step-out

incl	23.0	71.0	48.0	0.79	0.03	
MZ-115	68.8	127.3	58.5	0.56	0.02	Southern Step-out

(1) True thickness to be determined. Kenneth C. McNaughton, M.A.Sc., P.Eng., and Senior Vice President, Exploration, Silver Standard Resources Inc., is the Qualified Person (QP) responsible for the Snowfield Project exploration program and has verified and supervised the preparation of the data in the table above. All samples were submitted for preparation and analysis by ALS Chemex at its facilities in Terrace, B.C. All samples were analyzed using multi-acid digestion with ICP finish. Samples over 100 ppm silver were reanalyzed using four acid digestion with an ore grade ICP-AES finish. Samples over 1,000 ppm silver were fire assayed with a gravimetric finish. Samples with over 10 ppm gold were fire assayed with a gravimetric finish. One in 10 samples was blank, one in 20 was a standard sample, and differing one in 20 samples was a field duplicate one-quarter core assayed at ALS Chemex in Vancouver, B.C.

SOURCE: Silver Standard Resources Inc.

Silver Standard Resources Inc.
Paul LaFontaine
Director, Investor Relations
N.A. toll-free: (888) 338-0046 or Direct: (604) 484-8212
invest@silverstandard.com
www.silverstandard.com

Copyright (C) 2010 Marketwire. All rights reserved.

News Provided by COMTEX