

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 OR 15(d) of
The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) **April 20, 2011**

Metalline Mining Company

(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction
of incorporation)

001-33125
(Commission
File Number)

91-1766677
(IRS Employer
Identification No.)

885 West Georgia Street, Suite 2200
Vancouver, B.C. V6C 3E8
604-687-5800
Telephone number, including
Area code

(Former name or former address if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 7.01 Regulation FD Disclosure.

On April 20, 2011, Metalline Mining Company (the "Company") issued a news release announcing that it has received an updated NI 43-101 compliant Technical Report and Resource Estimate for its Sierra Mojada Project. A copy of that new release is included with this Current Report as Exhibit 99.1.

The information furnished in this Current Report on Form 8-K, including the news release included herewith as Exhibit 99.1, is merely furnished, and shall not be deemed "filed," for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) *Exhibits*

99.1 Press Release dated April 20, 2011.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Metalline Mining Company
(Registrant)

Date: April 21, 2011

/s/ Tim Barry

Name: Tim Barry

Title: Chief Executive Officer



April 20, 2011

TSX: MMZ, AMEX: MMG

Metalline Announces NI 43-101 Resource Estimate Report on the Shallow Silver Zone

Vancouver, British Columbia – Metalline Mining Company (TSX: MMZ, AMEX: MMG) (“Metalline”) is pleased to announce an updated NI 43-101 compliant resource report on the shallow silver zone at the Sierra Mojada Project in Coahuila, Mexico entitled “Shallow Silver Zone” Silver Zinc Deposit Sierra Mojada Project, Coahuila State, Mexico dated April 18, 2011 (the “Technical Report”).

The mineral resource estimate for the Sierra Mojada Shallow Silver Zone deposit contained in the Technical Report has been independently modeled by Nilsson Mine Services Ltd and GeoSim Services Inc, as a potentially open-pittable deposit within a single optimized open pit shell at an economic cutoff grade of 20 gpt of silver with the following mineral resource classification:

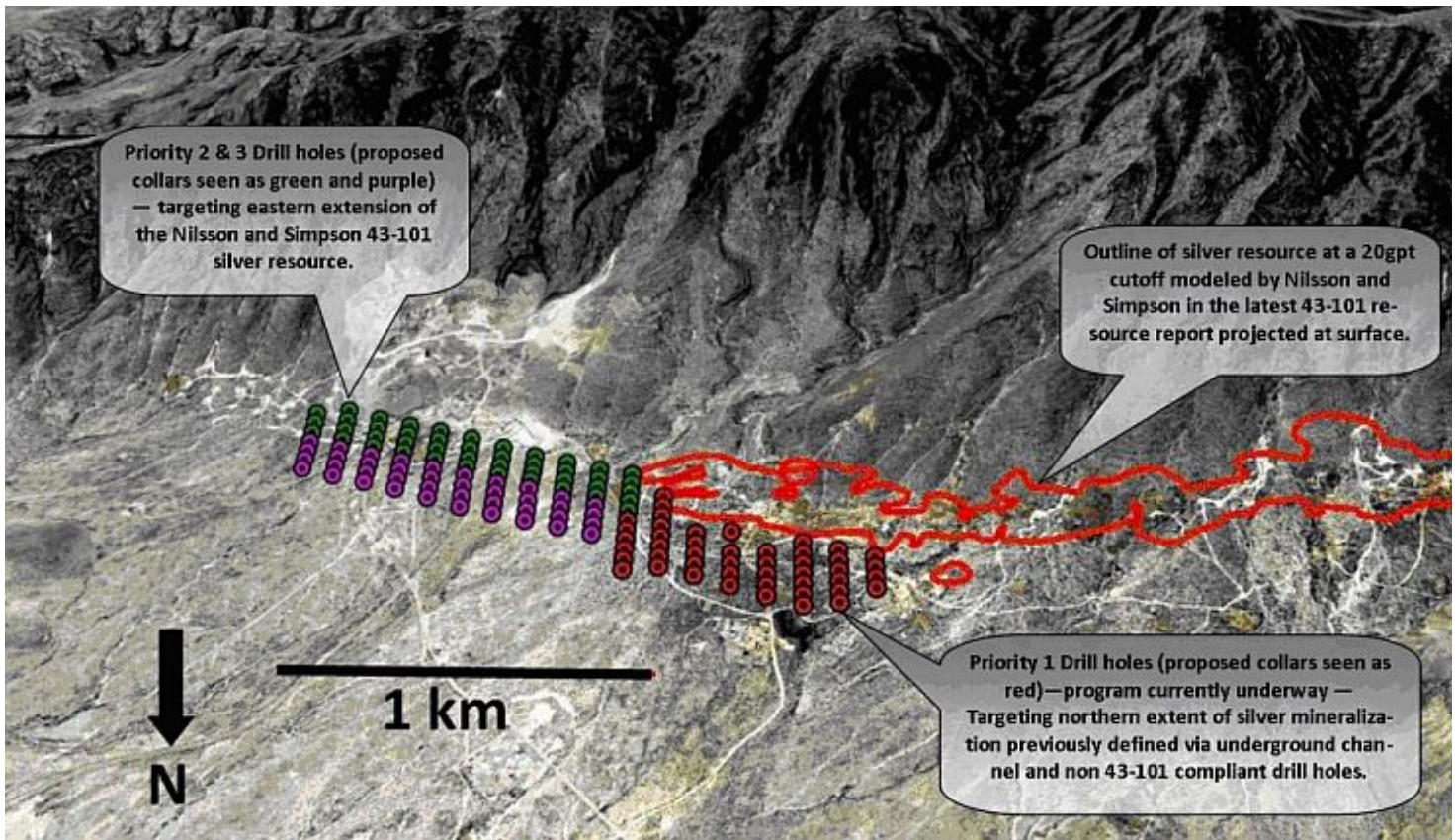
- An Indicated silver resource of 9.235 million tonnes at an average grade of 56.4 gpt - equivalent to 16.75 million troy ounces of silver.
- An Inferred silver resource of 15.258 million tonnes at an average grade of 49.9 gpt - equivalent to 24.48 million troy ounces of silver.

A table of the silver resource at various cut off grades is shown below.

Class	Cutoff Grade – Ag gpt	Tonnes 000's	Average Grade - Ag gpt	Silver Ounces equivalent (Moz)
Indicated	10	10,717	50.8	17,506
	15	10,080	53.2	17,243
	20	9,235	56.4	16,748
	25	8,311	60.2	16,088
	30	7,242	65	15,136
Inferred	10	16,397	47.6	25,096
	15	16,118	48.2	24,980
	20	15,258	49.9	24,481
	25	14,050	52.2	23,582
	30	12,267	55.8	22,010

Tim Barry, President CEO and director of Metalline and qualified person (MAusIMM) states, “The latest NI 43-101 compliant Mineral Resource for Metalline focuses on the western end of the NI 43-101 inferred resource previously defined by Pincock Allan and Holt in January 2010. We are very excited by the fact that a significant portion of this latest resource is at or near surface and remains open along strike in both the east and west directions. A 20,000 meter drill program is currently underway, stepping out to the north and east to test silver mineralization previously highlighted by underground channel samples and drilling. We expect to begin publishing results from this drill program in early May”.

The map below reproduced from the technical report shows the outline of the silver resource at a 20gpt cutoff as defined in the 43-101 report. The proposed drill holes for the 2011 drill campaign are also shown. Drilling is currently underway on the “priority 1” area which is targeting what is thought to be the northern extension of the silver resource.



The contents of this release have been reviewed and verified by John Nilsson, a professional geologist and *Ron Simpson, professional geologist*, who is a Qualified Persons pursuant to NI 43-101. To obtain a copy of the Technical Report please visit www.sedar.com.

About Metalline Mining Company

Metalline Mining Company is focused on the acquisition, exploration and development of mineral properties. Metalline currently owns mineral concessions in the municipality of Sierra Mojada, Coahuila, Mexico and holds licenses in Gabon, Africa. Metalline conducts its operations in Mexico through its wholly owned Mexican subsidiaries, Minera Metalin S.A. de C.V. and Contratistas de Sierra Mojada S.A. de C.V. To obtain more information on Metalline Mining Company visit the Company's web site www.metallinemining.com or www.sedar.com.

On behalf of the Board of Directors

“Tim Barry”

Tim Barry, MAusIMM

Chief Executive Officer, President and Director

INVESTOR RELATIONS CONTACT INFO:

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Cautionary note regarding forward looking statements. This news release contains forward-looking statements regarding future events and Metalline’s future results that are subject to the safe harbours created under the Securities Act of 1933 (the “Securities Act”) and the Securities Exchange Act of 1934 (the “Exchange Act”) and constitute “forward looking information” within the meaning of Canadian securities laws. These statements are based on current expectations, estimates, forecasts, and projections about the industry in which Metalline operates and the beliefs and assumptions of Metalline’s management. Words such as “expects,” “anticipates,” “targets,” “goals,” “projects,” “intends,” “plans,” “believes,” “seeks,” “estimates,” “continues,” “may,” variations of such words, and similar expressions, are intended to identify such forward-looking statements. In addition, any statements that refer to the results of Metalline’s drill program, projections of Metalline’s future financial and operational performance, Metalline’s anticipated growth and potential in its business and other characterizations of future events or circumstances are forward-looking statements. Such statements are subject to a number of assumptions, risks and uncertainties, including such factors as the volatility and level of commodity prices, currency exchange rate fluctuations, uncertainties in cash flow, expected acquisition benefits, exploration mining and operating risks, competition, litigation, environmental matters, the potential impact of government regulations, and other matters discussed under the caption “Risk Factors” in our Annual Report on Form 10-K for the fiscal year ended October 31, 2010 and subsequent periodic reports, many of which are beyond our control. Readers are cautioned that forward-looking statements are not guarantees of future performance and that actual results or developments may differ materially from those expressed or implied in the forward-looking statements. Cautionary Note for US investors: The Company is an exploration stage company and does not currently have any known reserves and cannot be expected to have reserves unless and until a feasibility study is completed for the Sierra Mojada concessions that shows proven and probable reserves. There can be no assurance that the Company’s concessions contain proven and probable reserves and investors may lose their entire investment in the Company.
