

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

Current report of foreign issuer pursuant to Rules 13a-16 and 15d-16 Amendments

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FILER

NEVSUN RESOURCES LTD

CIK:**919991** | IRS No.: **000000000** | State of Incorpor.:**A1** | Fiscal Year End: **1231**
Type: **6-K** | Act: **34** | File No.: **001-32405** | Film No.: **13520166**
SIC: **1040** Gold and silver ores

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
under the Securities Exchange Act of 1934

For the month of **January 2013**

Commission File Number: **001-32405**

NEVSUN RESOURCES LTD.

(Translation of registrant's name into English)

800 – 1075 West Georgia Street

Vancouver, British Columbia

Canada V6E 3C9

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or 40-F:

Form 20-F _____ Form 40-F X

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): _____

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): _____

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.



NEVSUN

DOCUMENTS INCLUDED IN THIS FORM 6-K

[99.1 News Release for January 9, 2013](#)

SIGNATURES

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

Nevsun Resources Ltd.

Date: January 9, 2013

By: /s/ Joseph Giuffre
Chief Legal Officer



NEVSUN

NEWS RELEASE

January 9, 2013

Nevsun Exceeds Production Guidance and Extends Gold Production

2012 HIGHLIGHTS

- Produced 313,000 ounces of gold in 2012, exceeding the top end of guidance
- Gold production forecast extended to the end of Q2 2013
- Copper expansion managed on schedule and budget for mid-2013 commissioning
- Continued peer leading semi-annual dividend of \$0.05 per share
- Increased resource and reserve estimates from 2011/2012 drilling
- Obtained the Harena deposit mining license and commenced mining
- Strong exploration drill results extended drilling program at Northwest Zone
- Acquired the Mogoraib exploration license including the Hambok historical resources

Q4 2012 HIGHLIGHTS

- Produced 46,000 ounces of gold in Q4 2012
- Processed 447,000 tonnes of ore at 3.85 g/t gold
- Overall metallurgical recoveries at 84% of contained gold

Nevsun Resources Ltd. (TSX:NSU / NYSE MKT:NSU) is pleased to announce strong production results of 313,000 ounces of gold for 2012 with 46,000 ounces in the quarter ended December 31, 2012. Gold production for 2012 exceeded the top end of the latest guidance.

Bisha gold production is again extended and is now anticipated to continue to the end of Q2 2013, aligning well with the planned commissioning of the copper expansion project.

A summary of the Company's quarterly and full year operating results is as follows:

	Q4 2012 3 months ending December 31	Q3 2012 3 months ending September 30	Q2 2012 3 months ending June 30	Q1 2012 3 months ending March 31	2012 12 months ending December 31
Mining					
Ore mined, tonnes	426,000	316,000	500,000	349,000	1,591,000
Waste mined, tonnes	2,602,000	2,590,000	1,659,000	1,826,000	8,677,000
Strip ratio, (calc in BCM's)	7.1	10.3	4.0	6.2	7.4
Cu phase prestrip, tonnes	-	-	481,000	739,000	1,220,000
Milling					
Ore milled, tonnes	447,000	465,000	465,000	430,000	1,807,000
Feed grade, g/t	3.85	7.40	6.93	6.58	6.21
Processing					
Recovery % of gold	84%	87%	85%	86%	86%
Gold in doré, ounces poured	46,000	98,000	87,000	82,000	313,000

The mine performed well in the fourth quarter. The majority of fresh ore was mined from the low grade areas of the Harena satellite pit and Bisha Main pit. Cleanup and selective mining of the Bisha Main acid and transition ores continues. Waste mining to expose copper supergene and push-back the northeast (NE) hill remained on plan. The NE push-back has exposed additional gold bearing oxide ores on the periphery of the pit that will be accessed in H1 2013 while opening the pit for additional supergene ores later in the mine plan.

The mill was on plan for recovery despite blending ultra-high grade Bisha Main transition ores with lower and sub-grade Harena and other stockpiled ores. The ore remains highly variable and is carefully managed to avoid losses to tailings.

The continued metallurgical performance and additional ore have allowed Bisha to extend gold production to the end of Q2 2013, aligning well with the commissioning of the copper expansion.

Nevsun will announce its 2013 production guidance later in January 2013, with a conference call to follow.

Nevsun will announce its full year 2012 financial results on March 21, 2013, with a conference call to follow.

Copper Expansion Update

The copper plant expansion continues to progress on schedule and budget with concentrate production expected in mid-2013.

Forward Looking Statements

The above contains forward-looking statements regarding future gold production, mine operations, process recoveries and the copper phase expansion. Forward-looking statements are frequently, but not always, identified by words such as “expects,” “anticipates,” “believes,” “intends,” “estimated,” “potential,” “possible” and similar expressions, or statements that events, conditions or results “will,” “may,” “could” or “should” occur or be achieved. Forward-looking statements are statements about the future and are inherently uncertain, and actual achievements of the Company or other future events or conditions may differ materially from those reflected in the forward-looking statements due to a variety of risks, uncertainties and other factors, including, without limitation, the risks that (i) any of the assumptions in the historical resource estimates turn out to be incorrect, incomplete, or flawed in any respect; (ii) the methodologies and models used to prepare the resource and reserve estimates either underestimate or overestimate the resources or reserves due to hidden or unknown conditions, (iii) the mine operations are disrupted or suspended due to acts of god, internal conflicts in the country of Eritrea, or unforeseen government actions; (iv) the Company experiences the loss of key personnel; (v) the mine operations are adversely affected by other political or military, or terrorist activities; (vi) the Company becomes involved in any material disputes with any of its key business partners, lenders, suppliers or customers; (vii) the Company is subjected to any hostile takeover or other unsolicited attempts to acquire control of the Company; (viii) the Company is subject to any adverse ruling in any of the pending litigation to which it is a party; or (ix) the Company incurs unanticipated costs as a result of the transition from the oxide phase of the Bisha mining operations to the copper phase in 2013. Other risks are more fully described in the Company’s most recent Management Discussion and Analysis, which is incorporated herein by reference. The Company’s forward-looking statements are based on the beliefs, expectations and opinions of management on the date the statements are made and the Company assumes no obligation to update such forward-looking statements in the future, except as required by law. For the reasons set forth above, investors should not place undue reliance on forward-looking statements.

Please see the Company’s Annual Information Form for the fiscal year ended December 31, 2011 and the Company’s Management Discussion and Analysis for the quarter ended September 30, 2012 for a more complete discussion of the risk factors associated with our business.

About Nevsun Resources Ltd.

Nevsun Resources Ltd. is a Vancouver-based mining company with an operating mine in Eritrea. Nevsun’s 60%-owned Bisha Mine commenced gold production in February 2011 and is scheduled to transition to copper/gold production in 2013. Management expects the Bisha Mine will rank as one of the highest grade open pit base metal deposits in the world.

NEVSUN RESOURCES LTD.

“Cliff T. Davis”

Cliff T. Davis

President & Chief Executive Officer

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