



Nevsun Resources Ltd. is a gold and base metal developer focused on the rapid completion and production of the Bisha Mine in Eritrea, Africa. The Bisha Project is a fully financed and permitted high-grade gold, copper and zinc deposit with mine start-up anticipated in late 2010.

Bisha Project

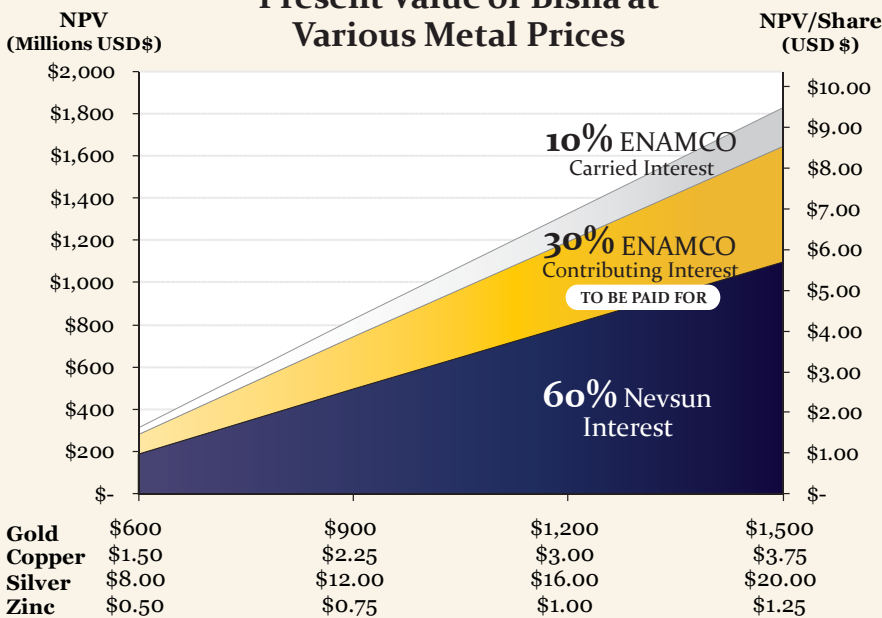
The Bisha Project is a large precious and base metal-rich volcanogenic massive sulphide (VMS) deposit that was discovered by Nevsun in January 2003. Covering a total of 133km² in Eritrea, the Bisha Project is in the plant construction stage of mine development. The project is approximately 50% complete.

The Bisha Mine will be a low-cost gold producer for the first two years of its +10 year mine life and a low-cost, high-grade copper concentrate and zinc producer for the remaining years. Conventional open-pit mining techniques will be used, with production projected to return payable metals of:

1.06 Million Oz Gold | 9.4 Million Oz Silver | 734 Million Lb Copper | 1 Billion Lb Zinc



Present Value of Bisha at Various Metal Prices



As at December 31, 2009. NPV discounted at 5%

Government Interest

The Eritrean Government retains a 10% free participating interest, plus a 30% paid participating interest in the Bisha project through ENAMCO, Eritrea's state-owned mining company. The 30% contributing interest was secured by ENAMCO in January 2008 by a provisional \$25M payment; the remaining balance to be paid to Nevsun will be determined by an independent valuator and shall be based on the net present value of 30% of the project, as evaluated upon the first shipment of gold from the mine.

Corporate Highlights

- > High-grade, low-cost gold, copper, silver and zinc mine
- > Production projected to commence in late 2010 and return payable metals of :
**1.06 Million Oz Gold | 9.4 Million Oz Silver
734 Million Lb Copper | 1,075 Million Lb Zinc**
- > +10 years open pit mine modeled at 2 Mt per year of ore production
- > Fully financed through production
- > Unhedged
- > Approximately 50% completed (February 2010)
- > Strong, ongoing support from the government of Eritrea, who independently purchased a 30% contributing interest in the Bisha Mine (to be paid for at start of production)
- > Positive Net Cash Flows in Q1 2011
- > Resource expansion remains open at depth and from nearby discoveries within the Company's licensed areas

Share Structure

AS AT	Feb. 16/10
SHARES OUTSTANDING	192.6 M
OPTIONS	7.7 M
WARRANTS	nil
FULLY DILUTED	200.3 M
CASH	\$130 M
MARKET CAP	\$504 M

Management

Cliff T. Davis, *CEO, Director*

Trevor A. Moss, *Exec VP & COO*

Peter J. Hardie, *CFO*

Maureen D. Carse, *Corporate Secretary*

Stanley C. Rogers, *Bisha Project General Manager*

R. Stuart (Tookie) Angus, *Director, Chairman*

Robert J. Gayton, *Director*

Gerard E. Munera, *Director*

Gary E. German, *Director*

Corporate Contact

HEAD OFFICE

Nevsun Resources Ltd.
Suite 800 - 1075 W. Georgia St.
Vancouver, BC, Canada V6E 3C9

Tel: 604-623-4700
TF: 1-888-600-2200
E: nevsuninfo@nevsun.com
Web: www.nevsun.com

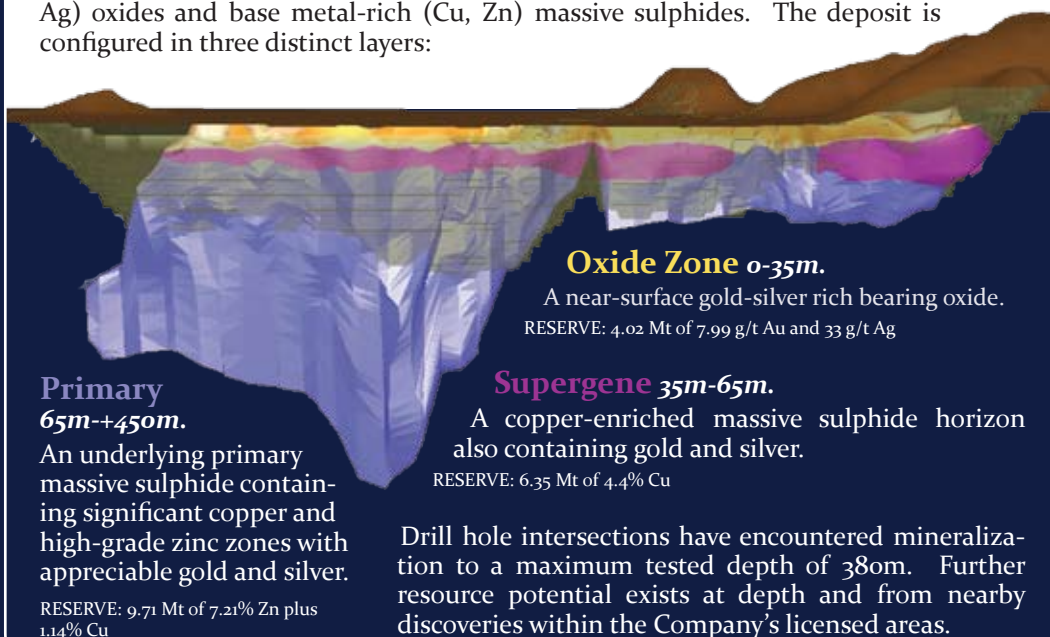
Investor Relations

kin communications inc.
Suite 210 - 736 Granville St.
Vancouver, BC, Canada V6Z 1G3

Tel: 604-684-6730
TF: 1-866-684-6730
E: ir@kincommunications.com
Web: www.kincommunications.com

Mineralization & Zones

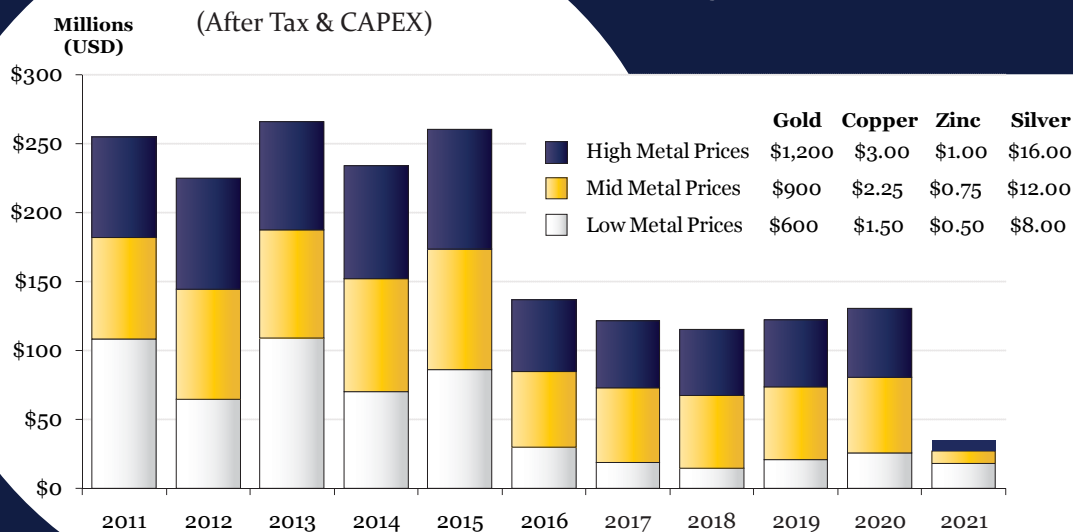
The Bisha Main Zone is a 1.2km long section characterized by precious metal rich (Au, Ag) oxides and base metal-rich (Cu, Zn) massive sulphides. The deposit is configured in three distinct layers:



About Eritrea

This northeastern African country won its independence from neighboring Ethiopia in 1993. Now with a plan to rehabilitate the economy, the government is reviving its mining industry, starting with Nevsun's Bisha Mine, the first new mine since colonial times. President Isaias, who has been in power since gaining independence in 1993, continues to show his commitment to the redevelopment of mining as an important sector of its economy.

Bisha Net Cash Flow



Forward Looking Statement / Disclaimer: Certain statements herein may contain forward-looking information within the meaning of applicable securities laws. Forward-looking information appears in a number of places and can be identified by the use of words such as "intends" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Forward-looking information includes statements regarding the Company's development plans with respect to its property are subject to such forward-looking risks, uncertainties and other factors which may cause the Company's actual results, performance or achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward looking information. Such risks include gold price volatility, change in equity markets, the uncertainties involved in interpreting geological data, increase in costs and exchange rate fluctuations and other risks involved in the gold exploration and development industry. There can be no assurance that forward-looking information referenced herein will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements or information. Also, many of the factors are beyond the control of Nevsun Resources. Accordingly, readers should not place undue reliance on forward-looking information. All forward-looking information herein are qualified by this cautionary statement. The Company does not undertake to update such forward-looking information except in accordance with applicable securities laws.

TSX: NSU | AMEX: NSU