LIST OF VMS PROJECTS (COMPANY)

Bobbys Pond (Buchans Resources Limited)

Buchans – Lundberg Zone (Buchans Resources Limited)

Great Burnt Copper (Spruce Ridge Resources Ltd.)

Little Deer (Rambler Metals & Mining Plc)

Ming Mine (Rambler Metals & Mining Plc)

Point Leamington (Callinex Mines Inc.)

South Tally Pond – Lemarchant (NorZinc Ltd.)

Tulks South – Boomerang (NorZinc Ltd.)
Buchans Resources

Company:  Buchans Resources Limited
Project:  Bobbys Pond - Zn, Cu, Au, Ag
Status:  Non-Producer
Stage:  Exploration, Resource Estimate, Feasibility, Development
Contact:  John Kearney (Chairman)

The Bobbys Pond property is one of four advanced base metal properties held by the company in the Buchans area of central Newfoundland. These include the former-producing Buchans Mine and numerous exploration prospects.

The latest Resource Estimate on the Bobbys Pond deposit was released in 2008. It contains an Indicated Resource of 1,095,000 tonnes grading 4.61% Zn, 0.86% Cu, 0.44% Pb, 16.6 g/t Ag, and 0.2 g/t Au; and an Inferred Resource of 1,177,000 tonnes at 3.75% Zn, 0.95% Cu, 0.27% Pb, 10.95 g/t Ag and 0.06 g/t Au.

Other deposits within the Buchans Project include: Lundberg and Daniels Pond (100% owned by Buchans Resources); and Tulks Hill (49% joint venture).

See also: Summary of VMS Deposits of Newfoundland
The Buchans property is one of four advanced base metal properties held by the company in the Buchans area of central Newfoundland. These include the former-producing Buchans Mine and numerous exploration prospects.

The company has a 100% interest in the Buchans property, which contains the Lundberg deposit. The deposit has a positive Preliminary Economic Assessment based on a potential open pit mining operation, published in June 2011. In 2013, the majority of the previously estimated Inferred Resource for this deposit was upgraded to the Indicated category and the project’s overall tonnage was increased.

Other deposits within the Buchans Project include: Daniels Pond and Bobbys Pond (100% owned by Buchans Resources); and Tulks Hill (49% joint venture).

See also: Summary of VMS Deposits of Newfoundland
**Company:** Spruce Ridge Resources Ltd.

**Project:** Great Burnt Copper – **Cu, Au, Zn**

**Status:** Non-Producer

**Stage:** Exploration, **Resource Estimate**, Feasibility, Development

**Contact:** John Ryan (President and CEO)

The 100%-owned Great Burnt Copper property in central Newfoundland contains volcanogenic massive sulphides (VMS) in 4 prospective zones: The Great Burnt Zone (copper), South Pond “A” Zone (copper, gold), South Pond “B” Zone (gold) and the End Zone Prospect (copper).

In 2015, the company released a **Resource Estimate** for the project. The Great Burnt Zone has an Indicated Resource of 360,000 tonnes at 2.65% Cu and an Inferred Resource of 239,000 tonnes at 2.44% Cu.

See also: **Summary of VMS Deposits of Newfoundland**
Company: Rambler Metals & Mining Plc

Project: Little Deer - Copper

Status: Non-Producer, Former Producer

Stage: Exploration, Resource estimate, Feasibility, Development

Contact: Peter Mercer (Vice-President, Corporate Development)

The project includes the past-producing Little Deer and Whalesback underground copper mines which operated during the 1960's and 1970's.

A positive Preliminary Economic Assessment for the Little Deer Deposit was announced in November 2011. In 2012, the company released resource estimates for both deposits with Total Indicated Resources of 2,708,000 tonnes at 2.167% Cu and Inferred Resources of 4,191,000 tonnes at 2.07 % Cu.

See also: Summary of VMS Deposits of Newfoundland
Company: Rambler Metals & Mining Plc
Project: Ming Mine - Copper, Gold
Status: Producer, Former Producer
Stage: Exploration, Resource estimate, Feasibility, Development
Contact: Peter Mercer (Vice-President, Corporate Development)

Rambler re-activated the historic Ming Mine in 2011, and declared commercial production in November, 2012. Initial ore production focused primarily on high grade, gold-rich massive sulphides, however subsequent development planning turned to the longer-term potential of the much larger, copper-only Lower Footwall Zone.

Rambler completed a prefeasibility study and economic assessment (PFS) to include the Lower Footwall Zone mineralization in its mine plan at the Ming Mine. Mineral Resource and Reserve Estimates were updated as part of the PFS. The Phase II expansion to 1,250 mtpd was completed in March 2018.

See also: Summary of VMS Deposits of Newfoundland
Callinex purchased the Point Leamington massive sulphide deposit in central Newfoundland in 2016 from Newmarket Gold Inc.

A [Resource Estimate](#) for the deposit released in 2013 indicates an inferred resource of 14,093,000 tonnes at 1.86% Zn, 1.07 g/t Au, 17.12 g/t Ag and 0.42% Cu. The deposit starts at surface and extends to a vertical depth of 350m, where high-grade mineralization is open for expansion. The project is at an advanced permitting stage and 100% of the mineral resource is contained within a mining lease.

See also: [Summary of VMS Deposits of Newfoundland](#)
The South Tally Pond Project covers 170 km² of a highly prospective massive sulphide-rich volcanic belt in central Newfoundland. The Lemarchant Deposit, the most advanced target on the property, is situated 20 km southwest of the recently closed (June 2015) Duck Pond Cu-Zn mine in the same belt.

An updated Resource Estimate for the Lemarchant deposit (Main Zone) was announced in September 2018. The new estimate shows significant increases in all metals in the indicated category and includes an initial estimate of the barite content of the deposit.

See also: Summary of VMS Deposits of Newfoundland
Company: NorZinc Ltd.

Project: Tulks South (Boomerang) - Zn, Pb, Cu, Au, Ag

Status: Non-Producer

Stage: Exploration, Resource Estimate, Feasibility, Development

Contact: Michael Vande Guchte (VP Exploration)

The Tulks South property hosts two significant Cu-Pb-Zn-Ag-Au volcanogenic massive sulphide deposits, the Boomerang-Domino Deposit and Tulks East Deposit. Numerous VMS prospects and occurrences on the property remain underexplored.

Messina, the previous owner of this property, published a Resource Estimate on the Boomerang Deposit in 2007. This company also released a resources estimate in 2012 for the Long Lake Cu-Pb-Zn-Ag-Au volcanogenic massive sulphide deposit, also now owned by NorZinc.

See also: Summary of VMS Deposits of Newfoundland