

VMS PROJECTS (COMPANY)

Bobbys Pond (Buchans Resources Limited)

Buchans – Lundberg Zone (Buchans Resources Limited)

Great Burnt Copper (Spruce Ridge Resources Ltd.)

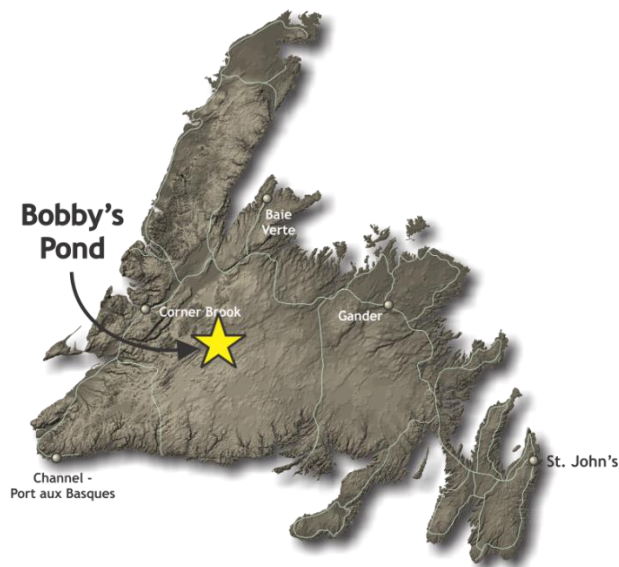
Little Deer (Rambler Metals & Mining Plc)

Ming Mine (Rambler Metals & Mining Plc)

Point Leamington (Callinex Mines Inc.)

South Tally Pond – Lemarchant (NorZinc Ltd.)

Tulks South – Boomerang (NorZinc Ltd.)



Company: [Buchans Resources Limited](#)

Project: Bobbys Pond - **Zn, Cu, Au, Ag**

Status: **Non-Producer**

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

Contact: [John Kearney](#) (Chairman & Chief Executive)

The Bobbys Pond property is one of four advanced base metal properties held by the company in the Buchans area of Central Newfoundland. These contain 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 properties held by Buchans: Buchans property, which contains the Lundberg deposit (100% owned); Tuls North property, which contains the Daniels Pond deposit (100% owned); and Tuls Hill property, which contains the Tuls Hill deposit (49% joint venture).

See also: [Summary of VMS Deposits of Newfoundland](#)

BuchansResources



Company: [Buchans Resources Limited](#)

Project: Buchans (Lundberg Deposit) - **Zn, Pb, Cu, Au, Ag**

Status: **Non-Producer**

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

Contact: [John Kearney](#) (Chairman & Chief Executive)

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. In 2019, the company published the results of a new and updated pit-constrained [Mineral Resource Estimate](#) prepared for the Lundberg base metal deposit.

Other properties held by Buchans: Bobbys Pond, which contains the Bobbys Pond deposit (100% owned); Tulks North property, which contains the Daniels Pond deposit (100% owned); and Tulks Hill property, which contains the Tulks Hill deposit (49% joint venture).

See also: [Summary of VMS Deposits of Newfoundland](#)

TSX.V: SHL



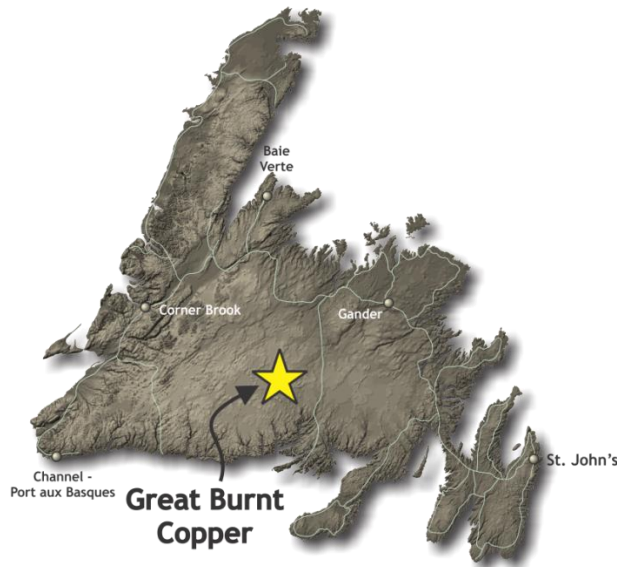
Company: [Spruce Ridge Resources Ltd.](#)

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

Status: **Non-Producer**

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

Contact: [John Ryan](#) (President & Director)



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 Main 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](#)

TSX.V: RAB

RAMBLER
METALS & MINING PLC



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 and General Manager)

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 2011 and 2012, [resource estimates](#) for the Little Deer and Whalesback were released with a total Indicated Resources of 2,708,000 tonnes at 2.167% Cu and an Inferred Resources of 4,191,000 tonnes at 2.07 % Cu.

See also: [Summary of VMS Deposits of Newfoundland](#)



TSX.V: RAB

RAMBLER
METALS & MINING PLC

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 and General Manager)

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 [Pre-feasibility Study \(PFS\)](#) and [Preliminary Economic Assessment \(PEA\)](#) in 2015 to include the Lower Footwall Zone mineralization in its mine plan at the Ming Mine. The company completed a new [mineral resources and reserves estimate](#) for the Ming copper-gold mine in 2018.

See also: [Summary of VMS Deposits of Newfoundland](#)



TSX.V: CNX



Company: [Callinex Mines Inc.](#)

Project: Point Leamington - **Zn, Cu, Au, Ag**

Status: **Non-Producer**

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

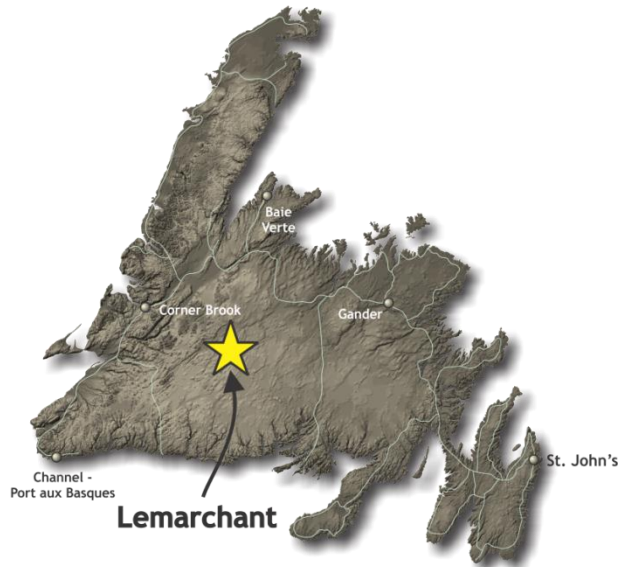
Contact: info@callinex.ca

Callinex purchased the Point Leamington massive sulphide deposit in central Newfoundland in 2016 from Newmarket Gold Inc.

The Inferred Historical [Mineral Resource Estimate](#) on the Point Leamington Property disclosed 14.1 Mt grading 1.90% Zn, 0.42% Cu, 1.07 g/t Au, 17.1 g/t Ag, 0.02% Pb and 1.91% ZnEq. Callinex plans to carry out the work necessary in order to prepare a current Mineral Resource Estimate on the Point Leamington Property in the first half of 2021. Data validation from historic drill core, metallurgical recovery evaluation, updated metal prices and an open pit Resource modelling approach will be utilized for the estimate.

See also: [Summary of VMS Deposits of Newfoundland](#)

TSX: NZC



Company: [NorZinc Ltd.](#)

Project: South Tally Pond (Lemarchant) - **Zn, Pb, Cu, Au, Ag**

Status: **Non-Producer**

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

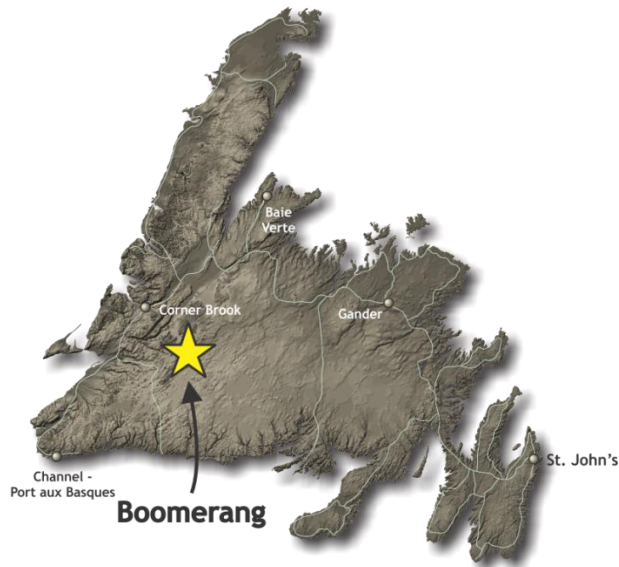
Contact: [Don MacDonald](#) (President, CEO & Director)

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 former 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](#)

TSX: NZC



Company: [NorZinc Ltd.](#)

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

Status: **Non-Producer**

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

Contact: [Don MacDonald](#) (President and CEO)

The Tunks South property hosts two significant Cu-Pb-Zn-Ag-Au volcanogenic massive sulphide deposits, the Boomerang-Domino Deposit and Tunks 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. A [Resources Estimate](#) was also released 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](#)