

Property Submission  
924/2

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XY2 Property

FILE

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CORPORATION FALCONBRIDGE COPPER

6415 - 64th Street  
Delta, B.C., Canada V4K 4E2  
Telephone (604) 946-5451

September 25, 1985

K. V. Campbell  
Minequest Ltd.  
311 Water Street  
Vancouver, B. C.  
V6B 1B8

Dear Mr. Campbell;

Thank you for the submissions on your Vancouver Island, Quesnel and Wells, B. C. properties.

Although all three may have technical merit due to other projects and priorities CFC will not be able to make an offer to participate in any of them. We would be pleased to review the properties again should things change.

Best of luck in your exploration effort.

Yours truly,

A. J. Davidson  
Senior Exploration Geologist

AJD/ik

SEP 23 1985

**MineQuest**  
Exploration Associates Ltd.

FILE

September 19, 1985

311 Water Street  
Vancouver, B.C.  
V6B 1B8  
(604) 669-2251

Mr. David Watkins  
Falconbridge Copper Ltd.  
6415-64th Street, R.R.#5  
Delta, B.C.  
V4K 4E2

Dear Mr. Watkins:

I have attached brief notes on three different properties that may be of interest to you:

- (1) A prospect on Vancouver Island with indications of both disseminated gold and massive sulphides.  
(An old showing, recently rediscovered).
- (2) Claims in the central interior of B.C. with indications of auriferous pyrite replacement and stratiform silver-lead-zinc.  
(Geochemistry, geophysics, and prospecting have been completed).
- (3) A placer gold occurrence in a buried Tertiary channel in the interior of B.C.  
(Extension of a zone now in production).

Where the land situation is sensitive we have not revealed the exact location. If you are interested, please call me for further information.

Yours truly,

MINEQUEST  
EXPLORATION ASSOCIATES LTD.

*K.V. Campbell*

K.V. Campbell

KVC/sp  
Encls.  
Ref: C0112-2

*Robert Lunge. Howe ST.*

## PROPERTY DESCRIPTION

**Code Name:** XY2

**Property Size:** 3 claims, 55 units

**Location:** northwest Zeballos, Vancouver Island, B.C.

**Access:** Good access via Island Highway (19) and logging roads to northern portion of claims. Hiking trail (1 hour) to old prospect and main area of interest

**History:** Site of gold, copper and zinc prospect worked c.1946. Two well-defined shears are mineralized across a width of 5 to 40 cm with massive pyrrhotite, pyrite, chalcopyrite, and minor sphalerite. Two partly buried adit portals exist. It appears the property has been unworked, and indeed seldom visited if at all, since the 1940's.

**Terrain:** Much of the ground is mountainous, heavily forested, with steep-sided deep gullies and there is almost continuous exposure along the creeks. In the northern part of the claims, where logging has been recent, relief is more subdued.

### **Geological**

**Situation:** The claims cover silicified, metamorphosed fine-grained volcanic rocks of the Early Jurassic Bonanza Group. Two zones of brecciation have been the focus of exploration. One of these contains the two mineralized shear zones previously worked. Another zone, newly found and prospected, is at least 50 m wide and 100 m long and includes numerous discrete, sulphide-rich shear zones, 1/2 to 1-1/2 m wide.

**Mineralization:** Heavily gossan-coated, silicified and brecciated volcanics from the shear zones carry up to 8,750 ppb Au over a width of 1.2 m. Representative samples of the brecciated volcanic rocks outside the shear zones contain 320 to 730 ppb Au.

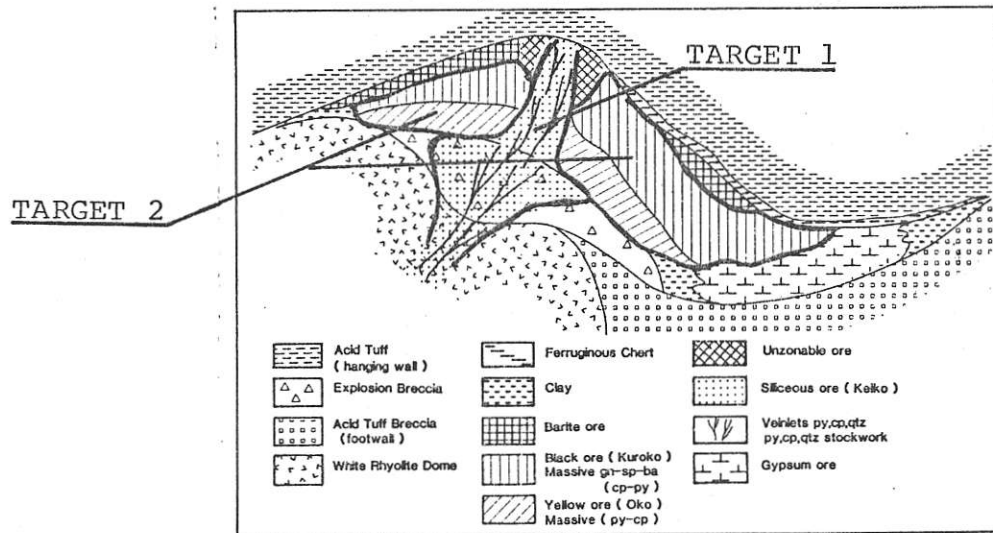
Elsewhere, massive sulphides (pyrrhotite, pyrite, arsenopyrite, chalcopyrite, sphalerite and galena) are found in narrow quartz veins developed in fracture zones at several places on the claims. These sulphide-rich rocks carry 630 to 4,450 ppb Au and up to 46.2 ppm Ag.

Elsewhere on the claims are previously unreported, abundant large angular boulders of brecciated rhyolite that contain cadmium-rich sphalerite (885 ppm Cd in approximately 14% Zn). The mineralization occurs as fracture fillings between the breccia fragments. The boulders are considered to be locally derived.

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**Target Sought:** 1) Disseminated gold mineralization in silicified and brecciated volcanic rocks.

2) Base metals in massive sulphides associated with silicified or rhyolitic volcanics

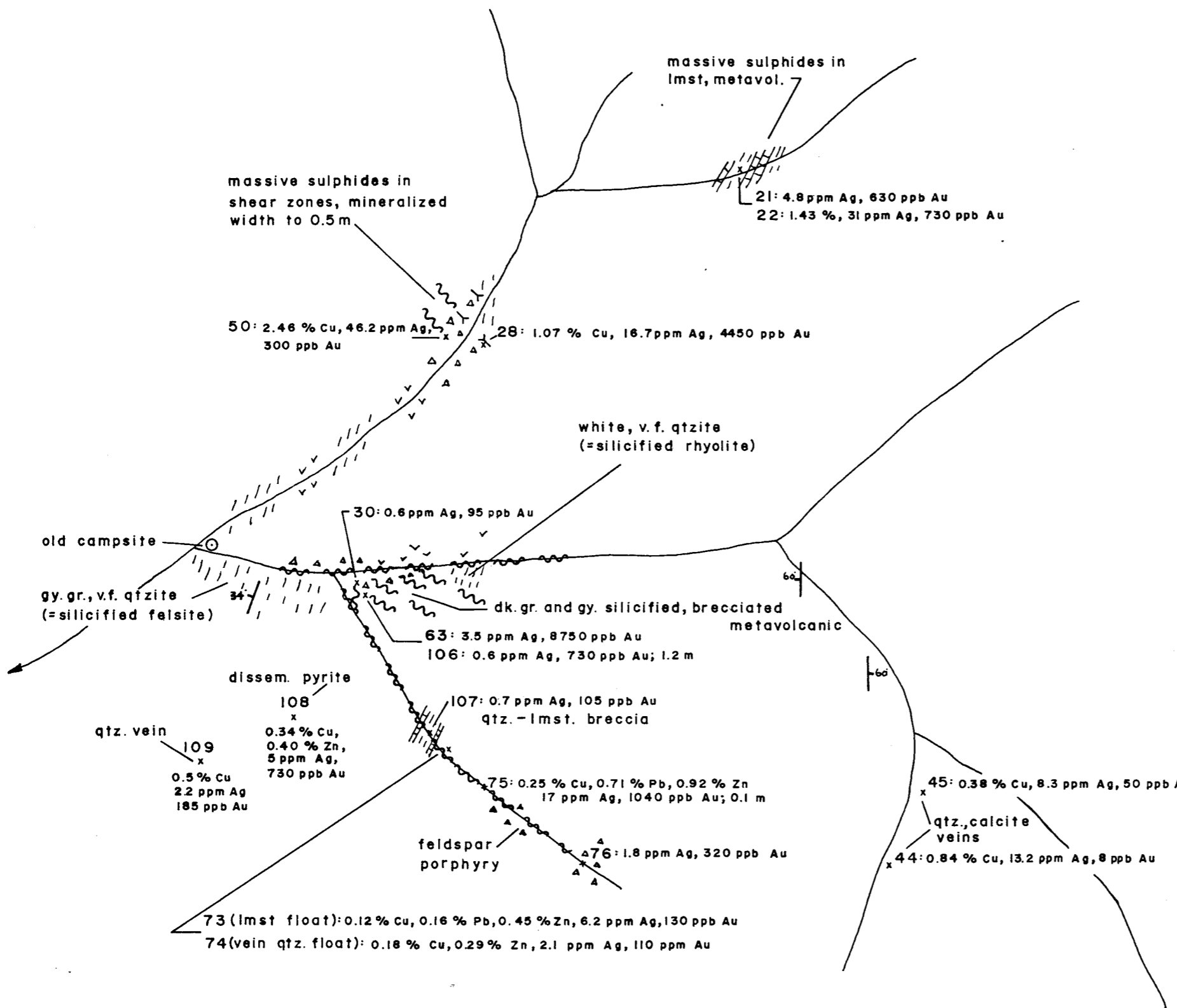











**Comment:** This is an early stage property of considerable merit. Not only do the significant gold values associated with pyrite in a zone of brecciated rhyolite show promise for disseminated gold, but the sphalerite stringers in rhyolite elsewhere on the property indicates a potential for volcanogenic massive sulphides.

**Next Step:** Geochemical soil sampling, hand trenching, rock sampling, geological mapping

Ref: RS116  
September 17, 1985

*K.V. Campbell*  
K.V. Campbell



- BONANZA GROUP (Early Jurassic)**
-  thin bedded, light colored, silicified rhyolite, felsite
  -  purple, green, v. fine grained andesite, rhyolite
  -  feldspar porphyry andesite
  -  limestone
  -  brecciated, silicified, dark green, fine grained metavolcanic
  -  adit
  -  fracture zone
  -  bedding
  -  44: sample location, number, results

|   |              |                   |        |
|---|--------------|-------------------|--------|
| <b>XY2 PROPERTY</b>                           |              |                   |        |
| <b>GEOLOGY AND PRELIMINARY SAMPLE RESULTS</b> |              |                   |        |
| PLAN No.                                      | DRAWN<br>KVC | DATE<br>Aug. 1985 | FIGURE |
| Revised _____                                 |              | N.T.S.            |        |
| MINEQUEST EXPLORATION ASSOCIATES LTD.         |              |                   |        |