

Quest Placer

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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.

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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

## PROPERTY DESCRIPTION

**Name:** Quest Placer

**Property Size:** Eight Placer Leases, four square kilometres.

**Target Sought:** Gold-bearing cemented conglomerate in buried Tertiary channel of Fraser River.

**Location:** Eighteen kilometres northwest of Quesnel, B.C., east bank of Fraser River, vicinity of McHardie and Killam Creeks.

**Access:** The Quest leases are readily accessible via logging roads from Highway 97 (Prince George - Quesnel Highway) and can be reached in a one hour drive from Quesnel.

**Terrain:** The property lies 1/2 to 1-1/2 kilometres east of the Fraser River. Most of the property has a low relief and lies some 400 to 500 feet above the river. The few streams crossing the leases have cut gullies 100 to 300 feet deep below the plateau surface.

**History:** The leases were acquired because they are believed to cover the northern extension of the 'Tertiary Mine Channel', 1 to 1-1/2 kilometres south, which was mined for 35 years. Underground methods were employed, the workings being self-supporting. More than 1,200 feet of channel was mined. The gold was won from a well cemented conglomerate overlying the bedrock. Mining ceased when the channel was lost in the Killam Creek valley.

### **Geological**

**Situation:** The 'Tertiary Mine Channel' is exposed on both banks of the Fraser River, which cuts it diagonally. On the south bank of the Fraser, the channel is presently being worked by All Star Resources Ltd. who recently reported they are going into production. Both bedrock rims of the channel are clearly seen on the north side of the river together with a 24m (80 feet) thickness of channel sediment. The channel is about 347m (1,140 feet) wide. Of the 24m about 14m (46 feet) are Tertiary in age, the remainder being post-glacial gravels. The lower 6.1m (20 feet) is a boulder conglomerate containing coarse nuggets, some with adhering quartz. The conglomerate contains numerous vein quartz boulders and is characterized by the presence of abundant alum (hydrous aluminum sulphate) in the cementing material. Alum, not a common constituent of conglomerates, forms as a result of hydrothermal alteration of feldspar and is common in near-surface volcanic rocks in epithermal gold systems. For these reasons the placer gold is considered to be derived from a nearby upstream source. Accordingly, a 20 unit mineral claim underlying the area of interest was also staked.

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Study of the surficial deposits indicates that the reason the placer channel was lost by the early miners was the removal section of the channel beneath Killam Creek by post-glacial landslides and earthslumps down the creek. The channel is believed to continue to northeast of the Killam Creek gully. The central location line of the claims, some 4 kilometres in length, approximates the continuation of the channel, based on surficial, air photo and satellite studies.

**Next Steps:** Seismic profiling, topographic surveys and exploratory Becker drilling is recommended to test the grade and quantity of placer gravels. A tunnel from the Fraser River to the cemented gravels would be made so that mining could commence.

**Comment:** An attractive feature of the Quest Placer Leases is that once the channel location is established and the grade is proven to be satisfactory, cash flow could be generated in a relatively short time (one to two years).

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

Ref: RS202  
September 18, 1985