



Province of  
British Columbia

Ministry of  
Energy, Mines and  
Petroleum Resources  
GEOLOGICAL SURVEY BRANCH

7. Schreuter

# MEMORANDUM

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Lang Bay  
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TGE → DG-Van.

Memo To: V. A. Preto  
From: R. H. Pinsent  
Date: October 5th, 1992  
Subject: SOUTHWESTERN DISTRICT MONTHLY REPORT: ~~SEPTEMBER~~

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## SUMMARY:

*RAA*

The exploration industry appears to be running out of steam. There is very little current or ongoing activity and no sign that matters are about to improve. Several companies have either cancelled or deferred expenditures amounting to approximately \$1.75 million. This is likely to reduce 1992 expenditures in the district to around \$6.75 million. Approximately half (\$3.5 million) will be spent by Westmin at H-W!

## EXPLORATION HIGHLIGHTS:

(1) WESTMIN RESOURCES LTD. continues to expand the size of the Battle Zone at the HW Mine (92F/12E; 92F 330). The Company recently reported that a 50 metre step-out hole averaged 2.5% Cu, 10.9% Zn, 0.1% Pb, 1.1 g/t Au and 18.0 g/t Ag over 22.9 metres. This is the thickest intercept that the Company has encountered.

*LEMARE*

(2) MINNOVA INC. has completed a detailed lithogeochemical study at the LeMare property at the north end of Vancouver Island (92L/5W; 92L 329). The Company has located two targets; (a) a zone of intense potassium feldspar alteration with weak coincident copper mineralization and (b) a zone of intense advanced argillic alteration that is deficient in base and precious metals. The Company is not particularly encouraged by the results, but it is currently drilling the most obvious targets (3,000 metres in five holes).

*LANG BAY*

(3) LANG BAY RESOURCES LTD. has effectively cancelled plans for an underground bulk sampling programme on its kaolinite deposit near Powell River (92F/16W; 92F 137), despite receiving permission to proceed from the Lower Mainland Mine Development Review Committee.

*Lang Bay*

The Company cites two reasons for the cancellation: (a) loss of a funding brought about by delays in the permitting process and (b) serious reservations about some of the technical pre-conditions laid down in the permitting document.

It is looking for the funding necessary to proceed next spring.



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Memo To: Vic Preto

From: Robert Pinsent

Date: September 10th, 1992

Subject: SOUTHWESTERN DISTRICT MONTHLY REPORT: AUGUST

LANG BAY (2) LANG BAY KAOLIN: LANG BAY RESOURCES LTD.

The Lang Bay kaolin property is located southwest of Lang Creek, approximately five kilometres upstream from the Community of Lang Bay. It is a large property that covers a, possibly fault controlled, sedimentary basin on the west flank of the Coast Plutonic Complex. The basin contains detritus that appears to be derived from weathered plutonic rock exposed on it's northeastern flank.

LANG BAY  
Fargo Resources drilled in the basin in the early 1980s, looking for germanium, and established that the sediment had a high detrital kaolin content, derived from the underlying rock. The Company (and partner Brenda Mines) established a northwesterly trending belt of "high-grade" kaolin (2,600 metres long, 200 metres wide and 30 metres deep) in "weathered" granodiorite flanking the basin.

There are two possible origins for the kaolin: (1) It could have been formed by cool hydrothermal fluids coming up a structure. This would account for the linear nature of the main deposit. (2) It could have been formed by surface weathering alone. This would account for the apparrant homogeniety and improvement in quality with depth. The latter is most likely, although both may have occured. The distinction is important as the mode of origin could have a substantial influence on homogeniety and grade-quality distribution in the deposit.

Lang Bay collected a large borehole sample last year and established that material of > 60% brightness is suitable as a news print filler. The Company applied to the Lower Mainland Mine Development Review Committee for, and has just received, permission to go underground and collect a 10,000 tonne test sample - despite considerable local opposition. There were two prinicpal concerns (1) kaolin might get into Lang Creek and damage the fish hatchery and (2) permission to extract a bulk sample would inexorably lead to full scale mining (thin edge of the wedge argument).

The underground programme should provide insight into the homogeniety of the deposit. It should also provide the geotechnical data needed ascertain it's mineability. Right now, there is very little data available on the internal structure of the high-grade zone. These technical data are needed to determine if the Company's current estimate of cut-off (> 60% Brightness, > 25% Kaolin) is appropriate. Once this is established, the Company can define a mineable reserve.

If the underground programme is a success, the Company would like to mine the deposit at a rate of around 700 tonnes/day by underground (room and pillar) methods using a "continuous miner", a conveyor system and steam jets to suppress dust. The kaolin would be washed out on surface and the gangue (tailings) would go back underground as backfill.

TEXADA ISLAND  
(3) VANANDA GOLD PROPERTY: VANANDA GOLD CORPORATION

The Vananda Gold Property is an enormous land holding that straddles the north end of Texada Island from Vananda to Gillies Bay. It covers the main area of limestone