

MAP No.

105-K-3

ASSESSMENT REPORT  
N. M. E. A. P.  
CONFIDENTIAL  
OPEN FILE

13.N. 134648



TYPE OF  
WORK:

WHITEHORSE M.D.

REPORT FILED UNDER	DICKSON YUKON SYNDICATE	DOCUMENT NO. 091765
DATE PERFORMED	1964	DATE FILED: Nov. 1964
LOCATION - LAT. LONG.	62°15'N	AREA: Vangorda Creek
	133°11'	
CLAIM NO.	BOB 1-24, Lake 1-40; Tie 1-24, Joe 1-40, BILL 1-40 and ROSE 1-32.	
VALUE \$		
WORK DONE BY	Leif Ostensoe	
WORK DONE FOR	DICKSON YUKON SYNDICATE	
REMARKS	A magnetic anomaly at the northwest end of Wedge Lake was drilled. The magnetic body was serpentinite overlying gabbro, which contained abundant magnetite.	

# 29 VANGORDA

091765

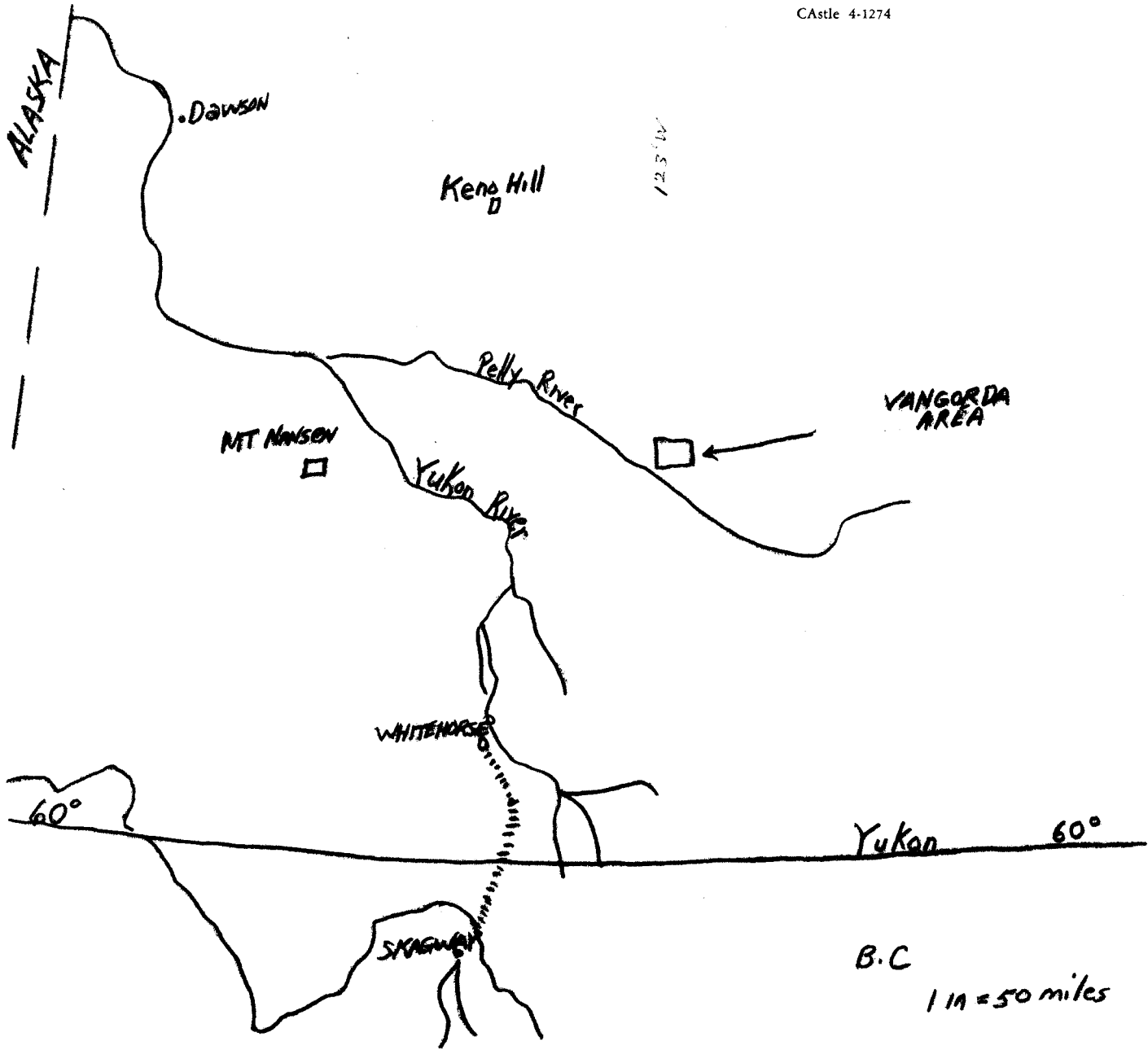
Dickson - Yukon Claims  
Report for Assessment  
1964-65

L. Ostensoe

Nov. 1964

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091765

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## COMMENTS

- 1, Favorable structural conditions coupled with geochemical and magnetic anomalies occur on the BOB Group of claims.
  - 2, Structural mapping suggests that the VANGORDA mineral deposit may have a steep pitch to the north. If so, only a fraction of this body has been discovered.
  - 3, DYNASTY SYNDICATE has very favorable holdings in the general VANGORDA area. Like most exploration projects of this nature they will need senior financing to continue their program.
  - 4, Kerr Addison and Dynasty Syndicate are both drilling in the VANGORDA area.
  - 5, The ROSE CREEK claims are in an area that is generally unfolded.
  - 6, The LAKE claims have given little encouragement for further work.
  - 7, Weather is only a minor problem in the VANGORDA area.
  - 8, The Carmacks-Watson Lake Road will make the VANGORDA area more accessible than most new B.C. prospects.
-

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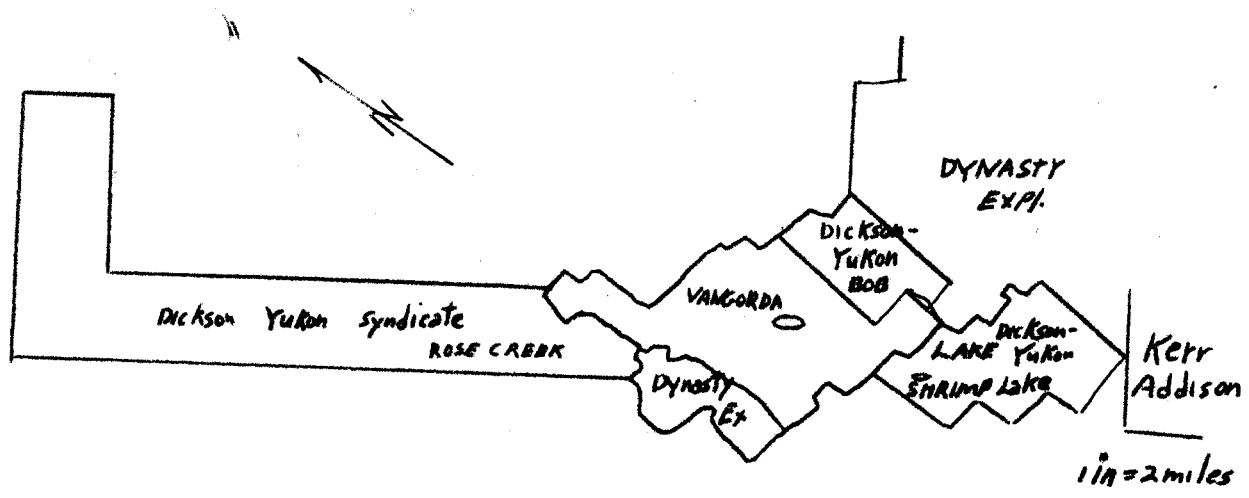
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INTRODUCTION

I was engaged by Dr. A.C. Skerl in late July, 1964 to supervise a mineral exploration program in the Vangorda area, Yukon Territory, at approximately 133°W and 62°15' N. The claims were staked for the Dickson-Yukon Syndicate in October of 1963 and optioned to Toronto interests headed by W.C. Martin who supplied the funds for exploration. The claims are in three groups adjoining Kerr Addisons Vangorda property to the North-West, South East and East. The claims are named Bob 1-24, Lake 1-40, Tie 1-24, Joe 1-40, Bill 1-40 and Rose 1-32. All but the Bob and Lake claims are in the Rose Creek area.

24  
40  
24  
40  
40  
40  
32

I wish here to thank Dr. Skerl for the privilege of working under his supervision. However, any errors or omissions are solely my own responsibility.



DICKSON-YUKON SYNDICATE HOLDINGS, 1964

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## GENERAL

The Dickson-Yukon claims lie in a general way on the South-East Flank of the MYE Mtn.

Mt. MYE is a 6700ft. peak in the Anvil Range, a granitic body trending North-Westerly across the Tay River map sheet.

The surrounding rocks in the Vangorda area are a series of schists and greenstones that have been highly folded and which show various degrees of metamorphism.

Outcrops in the area form less than 5% and then are generally hogback ridges of resistant greenstone.

A detailed study of the structure in these outcrops suggests a complicated series of folding that is probably related to later mineralization.

## TRANSPORTATION AND COMMUNICATIONS

The Vangorda area is fortunate in having about 20 miles of reasonably serviceable roads in the area extending along Rose Creek, across the Vangorda deposit, into Blind Creek and down to the Pelly River. There is also a 2000ft. airstrip near the Vangorda deposit that is serviceable to planes up to the size of an Otter or Anson.

Shrimp Lake is a small lake about 2 miles south of the airstrip that is suitable for landing fully loaded planes but only partial loads can be flown off this lake.

Completion of the Carmacks-Watson Lake road is expected in 1965. This road will pass within 5 miles of the Vangorda deposit but on the opposite side of the Pelly River.

A commercial firm is considering supplying 12 watt two-way radios and an expediting service starting in 1965. This will greatly simplify logistics.

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## HYDROELECTRIC POTENTIAL

There is sufficient gradient on nearly all the nearby streams and rivers to supply almost any size of hydroelectric installation.

## TIMBER

Locally, such of the usable timber has been burned by a fire which covered several square miles in the 1930's. However, within the claim area there is ample timber for mining purposes.

## PHYSIOGRAPHY

The Vangorda area is part of the Pelly Plateau averaging about 4000 ft. in elevation with peaks above the 6000ft. mark. Deep cutting creeks such as Blind Creek produce valley floors down to 3200 ft. above sea level. The entire area has been glaciated as shown by terraces, erratics, float trains, moraines, etc.

Timberline is about 4200ft.

## ADDITIONAL NOTES

Moose and caribou are rare in the area but bears are plentiful and often quite bold.

Indians from Ross River are available at reasonable rates and are generally hard working, cheerful and intelligent.

Yukon Flying Services provided an excellent service during the program.

Mr. C. Brown, geologist for the Whitepass Railway, was of immeasurable assistance in getting our program going smoothly.



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## GEOLOGY-SUMMARY

The Anvil Range is a granitic core lying in the centre of a large anticlinal fold of older schists, greenstones and equivalents. The area of the Vangorda deposit has been overturned to the south. A late quartz-feldspar porphyry dyke is exposed on the Bob claims and the dyke is cut in some of the drilling of the Vangorda deposit. This dyke is exposed along a strong North East linear that parallels Blind Creek.

Cretaceous	Quartz-feldspar porphyry
	Granite
	unconformity
Paleozoic ?	Greenstone - gabbroic phases
	Limestone-unconformity
	Quartzite
Precambrian?	Argillite (metamorphic equivalents include biotite schist, garnet schist & endskarn)

GEOLOGICAL FORMATIONS  
VANGORDA AREA

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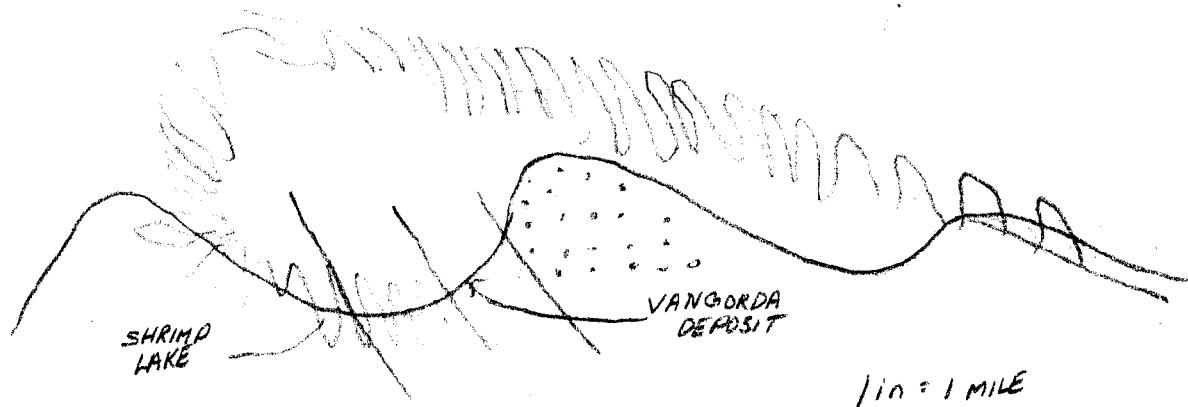
## STRUCTURAL GEOLOGY

The oldest rocks in the Vangorda area are a thick series of marine sediments that exhibit marked metamorphic facies changes. Originally this was a typical geosynclinal assemblage of argillites, quartzites and minor limestone. Now every gradation is found from argillite to garnet-staurolite schist.

The limestone represents the final period of quiescence and was probably followed by a period of erosion. Remnants of this limestone are exposed in an East-West belt about a quarter of a mile North of Shrimp Lake. The limestone is cherty and has sideritic facies. In places a carbonate schist is found.

This period of relative quiescence was followed by a great outpouring of greenstone that was probably at least partially intrusive.

Following this there was large scale folding on a North-West, South-East axis (parallel to the Pelly Trench). In the Vangorda area this anticlinal folding was recumbant to the South West. Drag folding developed isoclinal structures that give the present repetition of greenstone ridges between Shrimp Lake and Mt. Mye.



A SE - NE section through Vangorda Area

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## LOG OF DDH 25 FROM VANGORDA CORE BACK

0-23 Casing

23-42 Contorted graphitic schist

Suggests that drilling followed schistosity.

Note later jointing offsets foliations.

42-45 Quartz vein. Minor schist sections. Late quartz vein. No mineralization.

45-195 Schist turns from dark graphitic to light, bleached chloritized schist.

100-116 94-96 Dark feldspar porphyry. No mineralization. Minor structures lose their visibility past 148'.

195-215 Sericite develops in 1/2 inch patches. Minor quartz stringers. Rusty weathering (core has been exposed for 10 years.)

215-475 Intermixed darker and lighter schist. Compare 45-195.

475-476 Quartz porphyry or fragmental quartz breccia  
- recovery poor.

476-485 Sheared graphitic schist.

485-488 Jasperoidal hornfels.

488-493 Graphitic schist.

493-501 Quartz-feldspar porphyry.

501-525 Graphitic schist.

525-527 Jasperoidal hornfels.

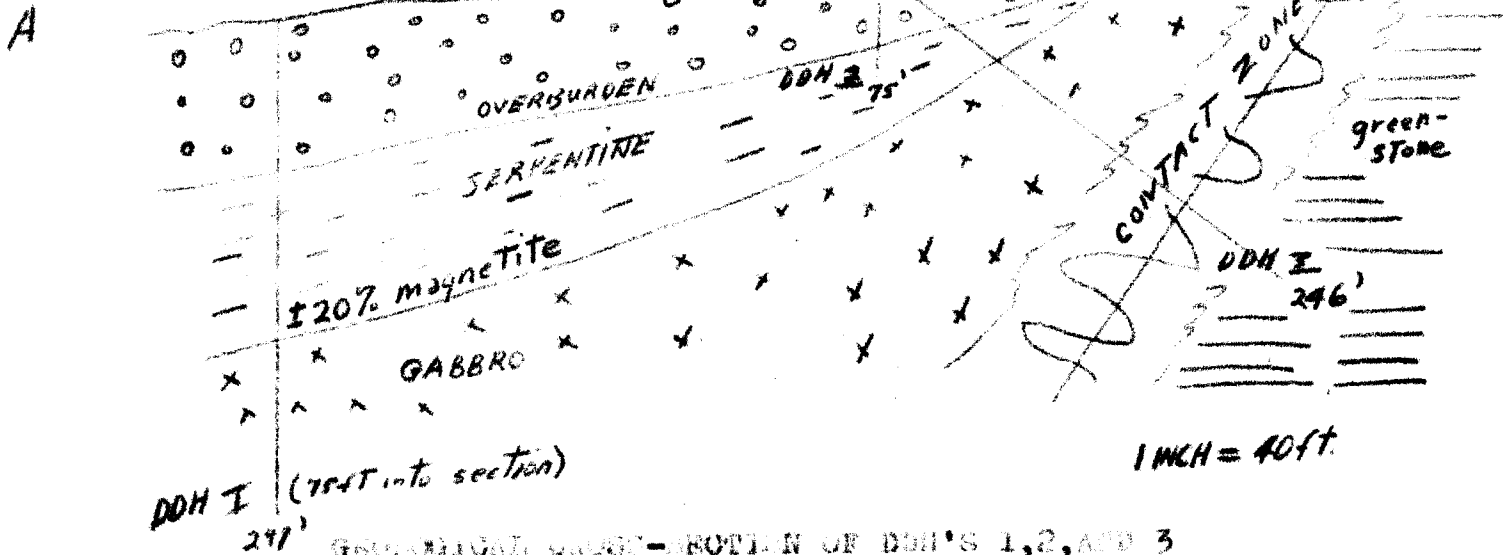
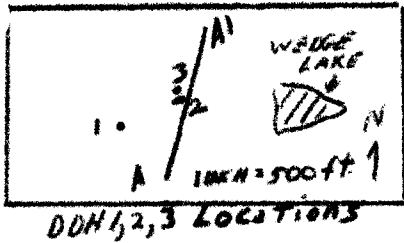
527-540 Graphitic schist.

540-542 Quartz vein. Minor graphitic schist bands

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247' GEOLOGICAL CROSS-SECTION OF DDH'S 1, 2, AND 3

GRINER LAKE, VANCOUVER AREA

Drilling done Aug. - Sept. 1964

## DRILLING

A total of six hundred and seventeen feet of AX diamond drilling was done on a magnetic and geochemical anomaly 2500 feet East of Shrimp Lake by Boyles Bros. Drilling between Aug. 10 and Sept. 5, 1964.

No commercial mineralization was found.

See over for drill locations and logs.

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## DRILL LOGS

Number one drill hole was located 2500 feet East of Shrimp Lake in a swampy low area by Wedge Lake. This hole was vertical and the recovery was plus 90%.

0-93 Casing

Good copper geochemical results from overburden.

93-297 Ultrabasics

93-150 Serpentine. Seams of amphibolite asbestos up to one inch wide every two or three feet. Gradual transition to fine grained gabbro. Locally there is up to 20% magnetite in the serpentine and up to 2% pyrite and pyrrhotite.

150-297 Gabbro. Magnetite decreases to less than 5%. Fe sulphides average 1-2%.

Number two drill hole was located 125 feet N40°E from drill hole number one. Hole was vertical.

0-73 Casing

73-75 Serpentine, plus 10% magnetite. Hole stopped.

Number three drill hole was drilled from the same set-up as number two but at minus 45 degrees in a N20°E direction.

0-75 Casing

75-125 Coarse grained (+5mm.) greenish black chloritized ultrabasic showing vertical schistosity (ie. parallel to axis).

125-170 Alternate fine and coarse grained ultrabasics.

170-190 Gradational contact zone. Ultrabasic becomes fine grained and then becomes a greenstone.

190-246 Fine grained greenstone. Shearing at 30 degrees to core.

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## GEOCHEMICAL METHOD

The Rubianic Acid Method of testing for copper ions was used extensively in the Vangorda area. Regional contamination limits this method in the vicinity of the known mineral deposits. Generally the regional background is high. Soil samples were taken with a trowel just below the humus and ash layer. Over 1500 soil samples were run. Anomalous areas of interest were found on the North side of Rose Creek and on the Bob claims

See maps following.

\*\*\*\*\*

## MAGNETOMETER METHOD

A Sharpe Instruments MF-1 flux-gate type magnetometer was used over a large area of the Dickson-Yukon claims. Readings were taken using 1000 gammas as a background. This instrument is extremely efficient and can quickly give reproducible results in the order of 20 gammas.

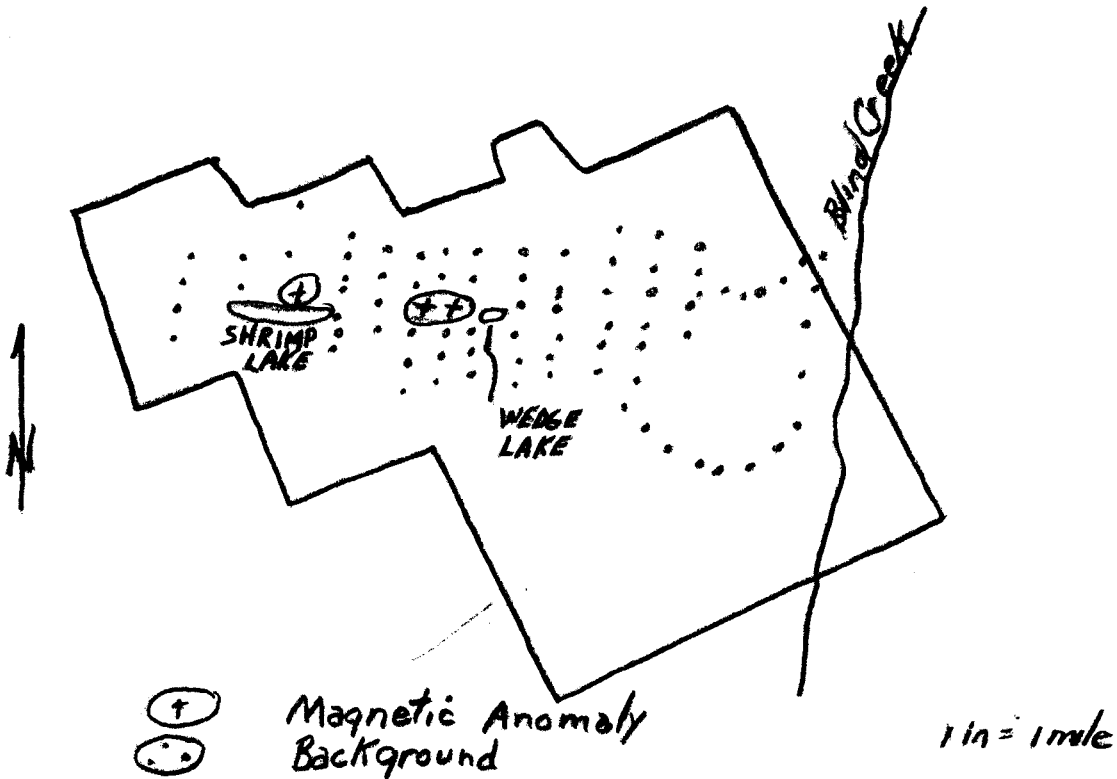
See maps following.

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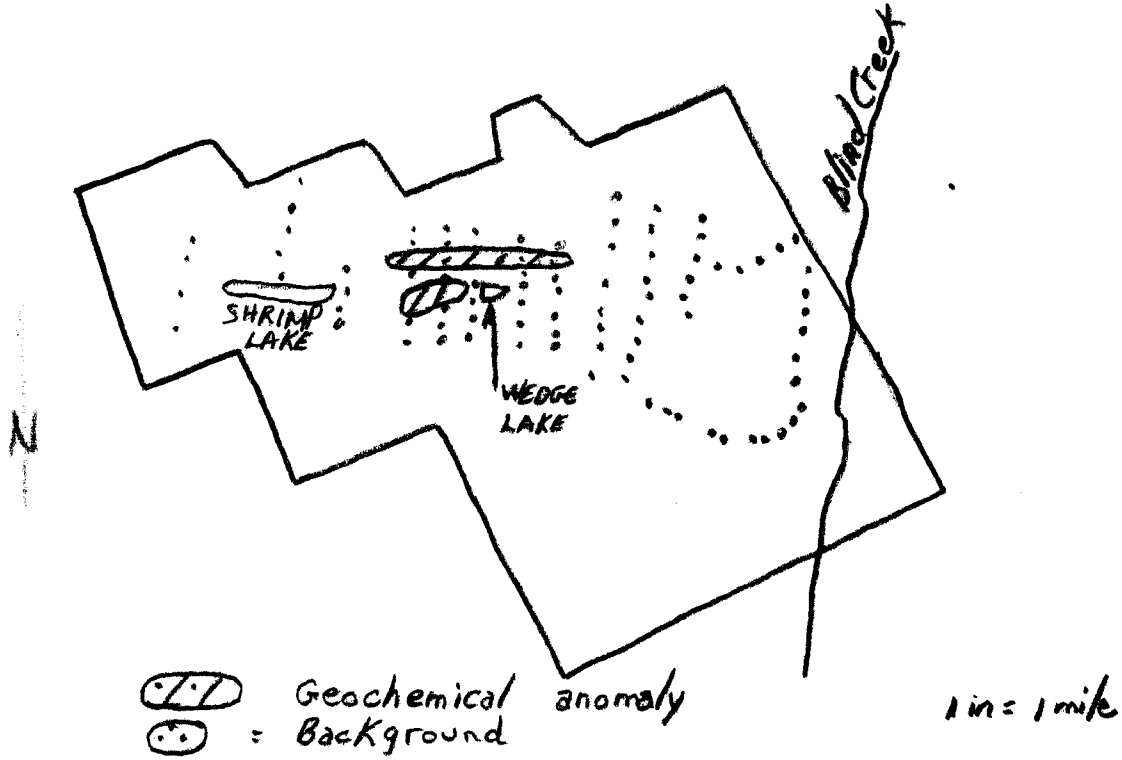
MAGNETOMETER RESULTS  
LAKE CLAIMS  
Vangorda Area

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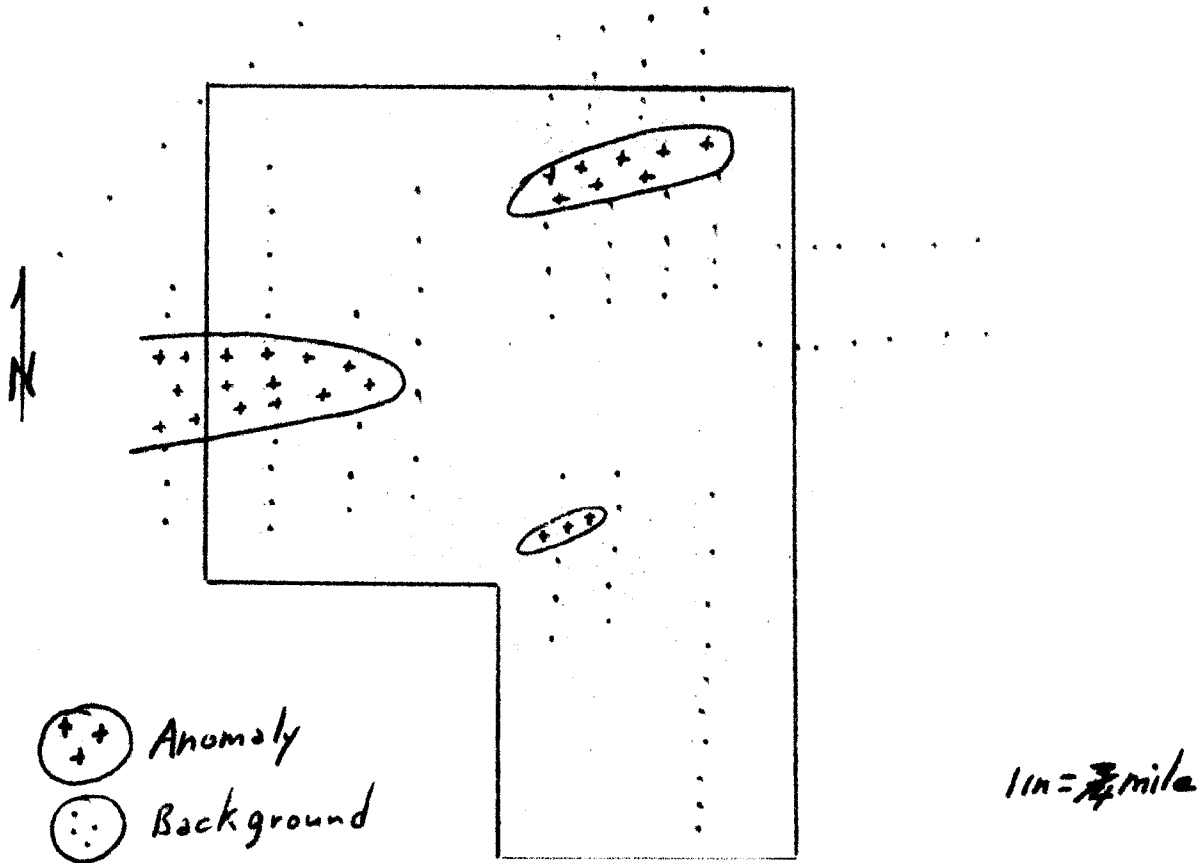
GEOCHEMICAL RESULTS  
LAKE CLAIMS  
Vangorda Area

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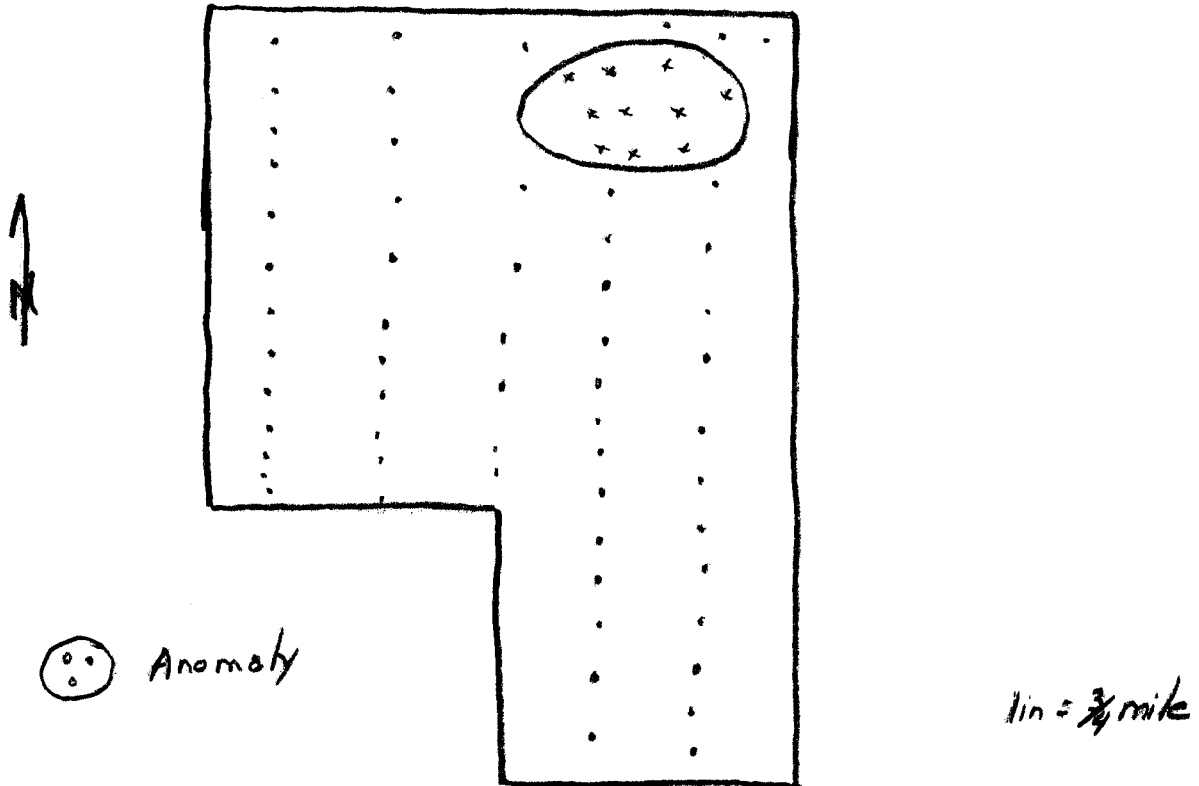


Magnetometer Results  
Bob Claims  
Vangorda Area

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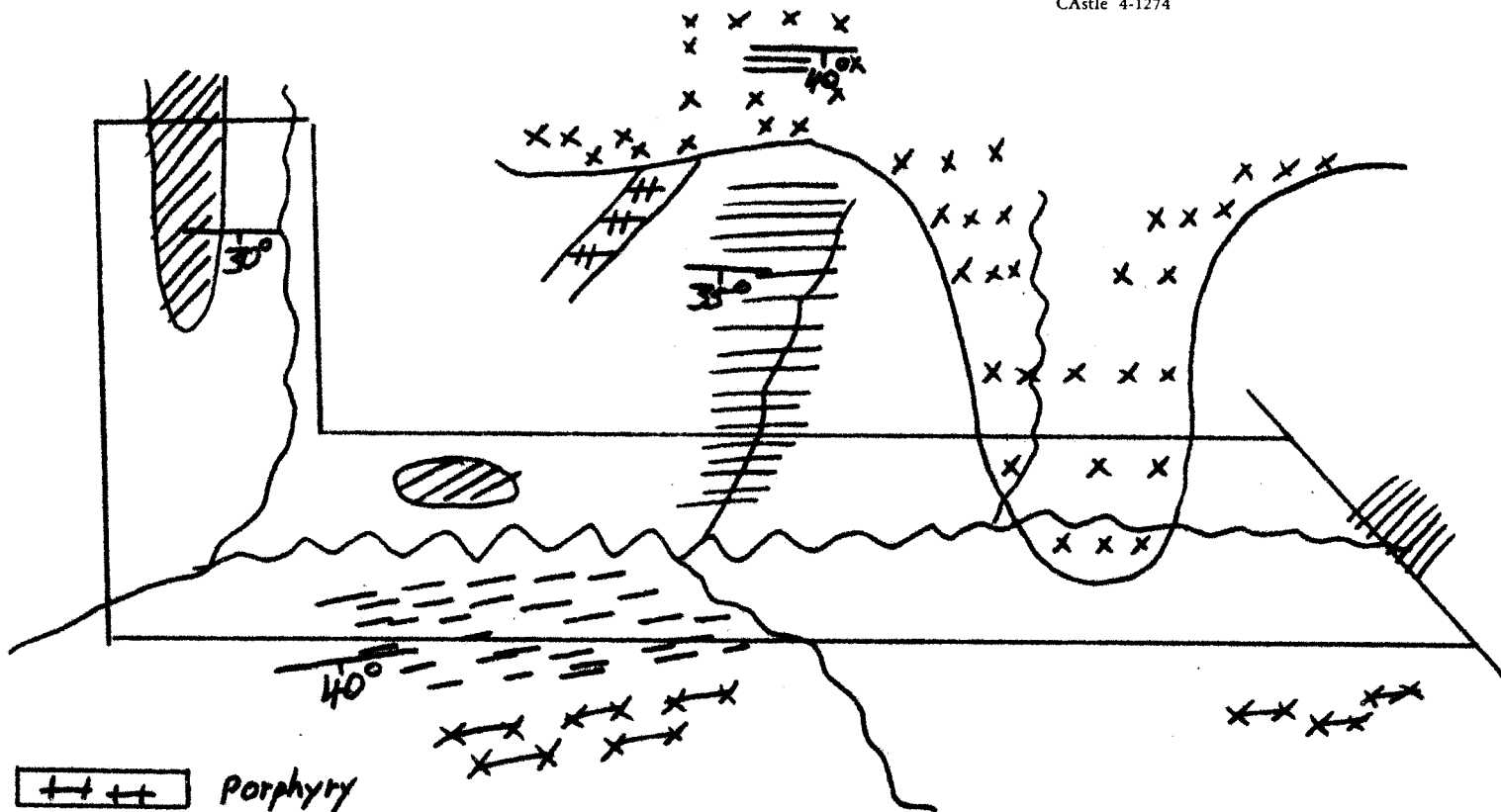


Geochemical Results - Bob Claims  
Vangorda Area

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- ++++ Porphyry
- xxxx Granite
- \*-\*-\* Greenstone
- - - - Argillite
- //// Limey schist
- ==== Biotite schists

Legend

## Geology - Rose Creek Area

1 in = 1 mile

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## COSTS OF THE PROGRAM AUGUST 1st TO OCTOBER 31st

Grilling.....	8,000.00
Camp costs.....	1,000.00
Air charters.....	2,000.00
Helicopters.....	1,500.00
Pages.....	1,000.00
Equipment rentals.....	600.00
Fees to Mining Recorder.....	940.00
Salary and consulting fees..	3,500.00
Misc. ....	500.00

TOTAL 19,240.00

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