WELCOME NORTH MINES LTD. (N.P.L.),
Suite 8 - 1161 Melville Street,
Vancouver, B.C.

ARCTIC RED JOINT VENTURE

PRELIMINARY GEOLOGICAL EVALUATION

BAK MINERAL CLAIMS

Latitude : 64°59'N.

Longitude: 132°15'W.

N.T.S. 106-C-16
Northwest Territory

by

J.D. Guild,
Geologist.

June 30th, 1974

BAK GROUP

The mineralized bed consists of a thick succession of vuggy dolomites at least 300 feet thick. The rock is to varying degrees shot through with irregular webs and veinlets of white, fine-grained calcite which locally acts as matrix to fragments of the grey-brown dolomite. The flat-lying dolomite is, in general, blocky and coarsely bedded. Interstices, voids and coarse vugs in the rock are filled with a brown-rusty iron carbonate, or possibly smithsonite. No sphalerite was observed within the stratum. The degree of calcite and rusty carbonate mineralization varies from bed to bed within the sequence, and locally calcite with accompanying rust makes up 40% of the rock mass.

The rock, to a consistent degree, gives a positive zinc reaction when tested with "dope", although this reaction may be explained by the interference of elements other than zinc, or possibly the age of reagent used, which is some months old.

Samples from the showing are at present out for assay and should the results be favourable (say 3% to 6% zinc), the deposit would take on great economic significance with billions of tons of the material readily at hand.

The pertinent samples are listed below and illustrated on the accompanying sketch:

Sample No.	Thickness Represented	Pb %	Zn %
WN #1	36.0'	Tr.	0.34
WN #2	40.0'	Tr.	0.50
WN #3	60.0'	Tr	0.42
WN #4	100.0'	0.01	0.48
WN #5	30.0'	Tr.	1.6
WN #6	50.0'	Tr	0.16
WN #7	Specimen	Tr	5.64
WN #8	Specimen	Tr	4.44

The first six samples are representative chips (chip taken every 2 feet), mainly from outcrop, but locally from near "in place" rubble.

GEOLOGY

The abovementioned mineralized band appears to lie on the north limb of an anticline, illustrated in Section AA. The same bed is repeated on the south side of the local valley which traverses the property. The band on the south side of the valley was snow covered and was not examined.

Respectfully submitted,

John D. Guild,
Geologist.
June 30th, 1974.

Addendum:

The Bak claims were not recorded due to low assays received.

John S. Brock.

WITHIN SEKWI FORMATION

- D — UPPER DOLOMITE HOST ROCK
- Sh — BROWN WEATHERING SHALEY CARBONATE, SANDY INTERBEDS
- LD — LOWER DOLOMITE
- MINERAL OCCURRENCE

MINERAL OCCURRENCE LOCATION

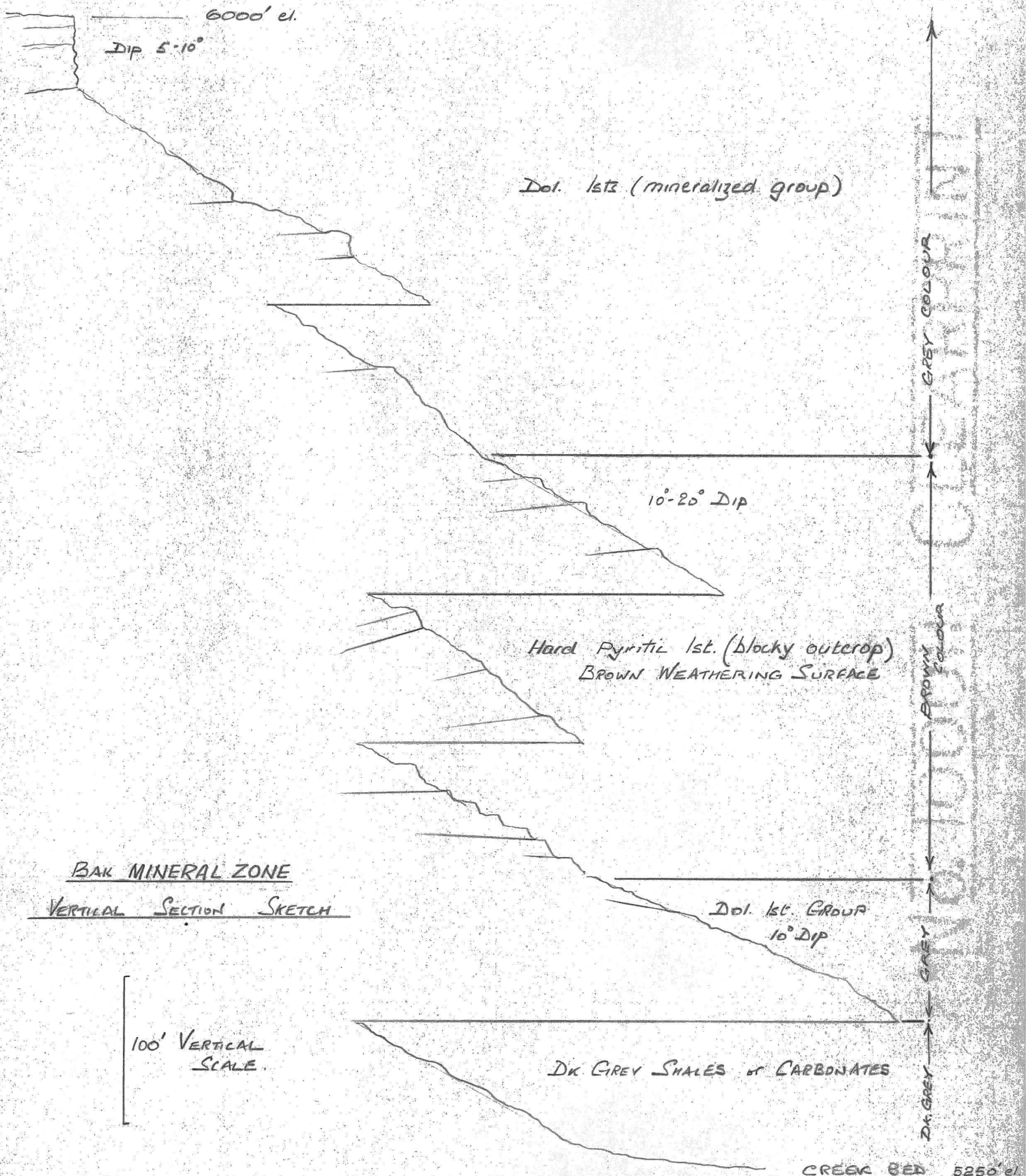
BAK MINERAL ZONE

N.T.S. 106 C-16

1" = ½ MILE

JUNE 7/74

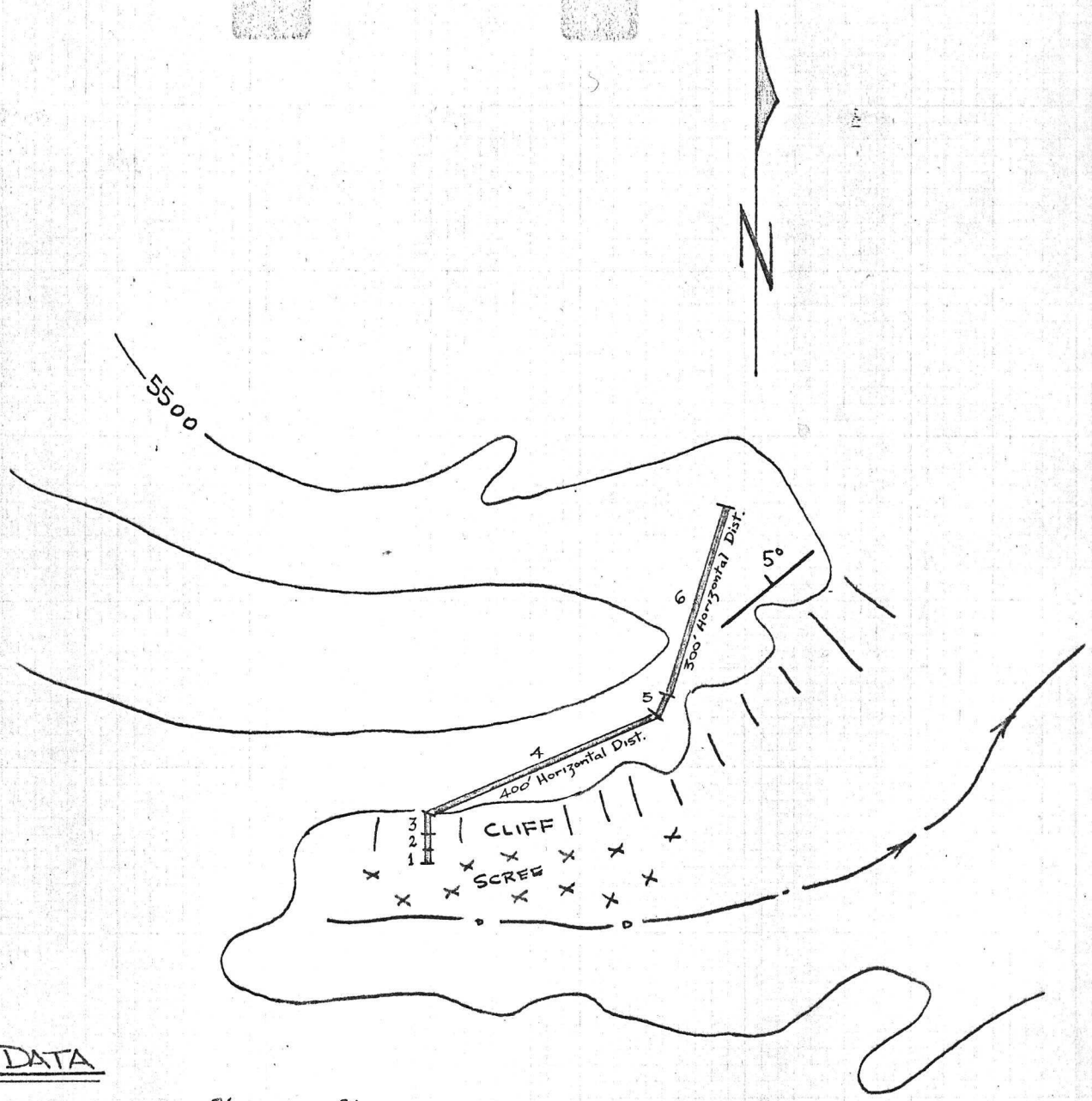
FIGURE NO. 8



BAK MINERAL ZONE

VERTICAL SECTION SKETCH

FIGURE NO 10



ASSAY DATA

SAMPLE No.	THICKNESS REPRESENTED	% LEAD	% ZINC
WN 1	36'	Tr	0.34
2	40'	Tr	0.50
3	60'	Tr	0.42
4	100'	0.01	0.48
5	30'	Tr	1.60
6	50'	Tr	0.16

ARCTIC RED PROJECT

AB PROJECT AREA

N.T.S. 106C-16

BAK MINERAL ZONE

SAMPLE SKETCH

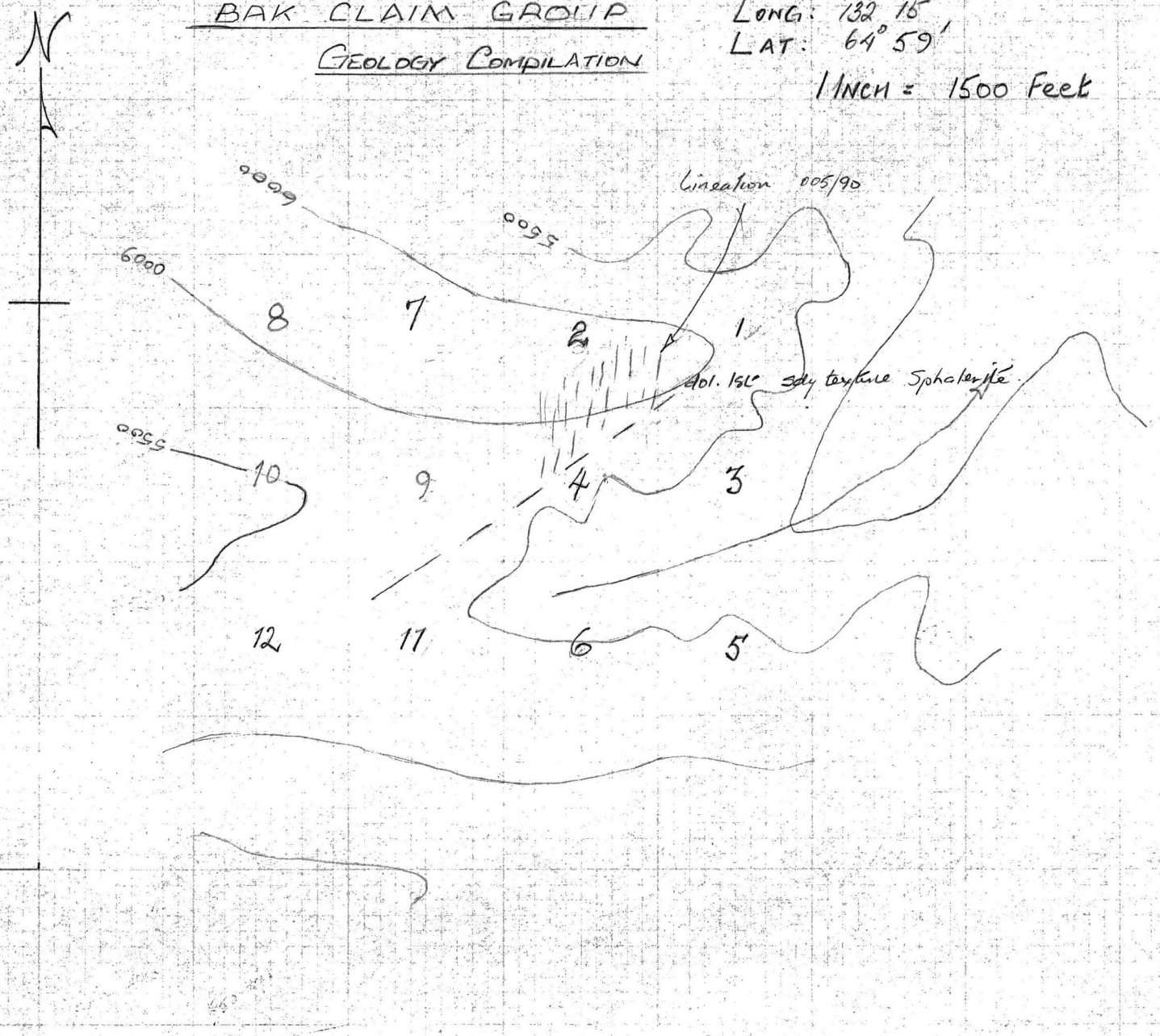
NOT TO SCALE

FIGURE No. 9

BAK CLAIM GROUP

GEOLOGY COMPILATION

LONG: 132° 15'
LAT: 64° 59'
1 INCH = 1500 Feet



BAK CLAIM GROUP

LONG: 132° 15'
LAT: 64° 59'