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 1966
 105 K - 1
 14th May to 25 May, 1966
 25 August to 21 Sept, 1966
 JOHN E. WHITE
 W.M. SHARP, P. ENG.
 YUKON TERRITORY
 DEPARTMENT OF MINES
 WHITEHORSE, Y.T.

SUMMARY REPORT OF RECONNAISSANCE AND GEO-CHEMICAL PROGRAMME

Chief Group M.C.'s, Whitehorse M.D. Yukon

Claim Sheet 105 K - 1

62°07' N. Latitude 132°14' W. Longitude.

By JOHN E. WHITE

under supervision of W.M. Sharp, P. Eng.

Reconnaissance Survey: 14th May to 25 May, 1966
 Geo-chem. Programme: 25 August to 21 Sept, 1966

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Claim Map in Pocket - Back cover.

EMPLOYEES

- Supervision:** John E. White, Box 1179, Merritt, B.C.
Assistants: Garry McPeak, Gen. Del., Whitehorse, Y.T.
 Robert Charbonneau, Gen. Del., Whitehorse, Y.T.
Line Cutters: Joseph Shorty, Box 2341, Whitehorse, Y.T.
 Phares Thomas, Old Crow, Y.T.
 Rod MacKenzie, Gen. Del., Whitehorse, Y.T.

This report was prepared by John E. White, P. Eng., under the supervision of W.M. Sharp, P. Eng., for the Department of Mines, Whitehorse, Yukon Territory. The work was done during the reconnaissance and geo-chemical programme on claim sheet 105 K - 1, located at 62°07' N. latitude and 132°14' W. longitude. The report is intended to provide a summary of the work done and the results obtained. It is not intended to be a final report on the claim. The Department of Mines, Whitehorse, Yukon Territory, is responsible for the accuracy of the information contained in this report.

Box 1179,

Merritt, B.C.

18th December, 1966.

Mr. F.A. McGonigle,
President,
Consolidated Skeena Mines Ltd.,
716 - 602 West Hastings Street,
Vancouver 2, B.C.

Dear Mr. McGonigle,

Summary Report of Reconnaissance
And Geo-Chemical Programme
Chief Group Mineral Claims
Whitehorse M.D. - Yukon

Introduction

A general reconnaissance survey and geo-chemical programme was conducted on the Chief Group of mineral claims, being held by Consolidated Skeena Mines Ltd., of Vancouver, B.C.

The Chief Group is situated in the Vangorda Creek area, where massive sulphide replacement bodies have been found recently.

The time of the reconnaissance survey was between 14th May and 25th May, 1966. During this time a compass survey of the group and neighbouring claims was completed.

The geo-chemical programme consisted of cutting and picketing a grid, and soil sampling between 25th August and 21st September, 1966.

Location

The Chief Group is situated in the Ross River (Vangorda Creek) area, of the Whitehorse M.D. approximately 125 air miles N.E. of Whitehorse, Y.T. The group is approximately 10 miles N.N.E. of Ross River settlement. The claims are located on claim sheet 105 K-1 at 62°07'N latitude and 132°14'W longitude.

Cont'd

Consolidated Skeena Mines Ltd.

19th December, 1966.

Access

Access from Whitehorse to Ross River is by aircraft (land or water) or motor vehicle, 125 miles over the old Canol Road from the Alaska Highway at Johnson's Crossing, approximately 75 miles south of Whitehorse. Vehicular traffic is suspended during Spring breakup, but is now open during the Winter.

The highway under construction from Watson Lake to Carmacks is expected to be completed during 1967.

Access from Ross River to the Chief Group is by helicopter during breakup. A Beaver aircraft equipped with floats can be used, landing on the Lake. Both crafts were based at Ross River.

Two heliports were constructed. One is on M.C.#12 and one on M.C.#26.

Mineral Claims

The Chief Group consists of 32 mineral claims. These are Chief No's. 1 - 32, being mineral grants No's. 99626 to 99657 inclusive, recorded 17th February, 1966.

Location lines were generally well blazed and easy to locate. The lines were partially cut and re-blazed for surveying. The Group was surveyed, using a Brunton compass and nylon chain, totaling 7.3 miles of traverse line. Fractions indicated by the survey do not have to be staked as yet, Re. Yukon Quartz Mining Act, Chap. 301 Sect. 13 - 2.

Tags were affixed to the claim posts. Most of the Group area is gentle slope, with deep moss and buck brush. There is some spruce growth on the higher regions to the west. Elevations are between 3,100 and 3,800 feet.

Geology

Mineralization in the Vangordn Creek area has been found in a host rock belt, gently dipping to the southwest, and on the north side of the Tintina fault. The Tintina fault is the main structural feature and generally occupies the Pelly River basin.

The host rocks are quartz-sericite and chlorite schists, quartzite granulites, skarn, hornfels and phyllites. The host rocks have been intruded by the anvil batholith and appear to lie in an anticlinal structure.

Mineralization in the area to date has been flat lying replacement deposits consisting of pyrite, sphalerite, galena, pyrrhotite, chalcopyrite, arsenopyrite and magnetite, in that order of abundance. There are some deposits consisting of pyrite, pyrrhotite, arsenopyrite and magnetite.

The host rock structure on the Chief Group was observed to be a narrow belt of quartz cemented conglomerate and then an unusually dark quartzite schist, overlying the intrusive anvil batholith of granites.

Cont'd

WILLIAM M. SHARP, P. ENG.
CONSULTING GEOLOGICAL ENGINEER

STE. 808, 900 WEST HASTINGS ST.
VANCOUVER 1, B. C.

January 27th, 1967

Supervising Mining Recorder,
Department of Northern Affairs & National Resources,
Resource Development Branch,
Whitehorse, Yukon.

Dear Sir:

DECLARATION

This to advise that I have examined the accompanying Summary Report of Reconnaissance & Geochemical Programme, Chief Group Mineral Claims, Whitehorse M.D., Yukon, by John E. White, and I believe this report constitutes a full and factual description of exploration performed on the property in accordance with my preliminary and subsequent recommendations. The report and accompanying map also provide an adequate summary of the results of his field work.

Respectfully submitted,



W. M. Sharp, P.Eng.

WMS

WMS/jm

Consolidated Skeena Mines Ltd.

19th December, 1966.

Geology cont'd.

The schists are of irregular bedding with much fracturing and intense folding or crumpling. They have an apparent S.E. Strike with a gentle dip to the S.W.

The schists are probably overlain with a flinty grey andesite, appearing on the south side of the lake. No mineralization was observed.

Soil sampling results do not indicate any strong anomalous zone.

Grid Lines

Line cutters were engaged on a contract basis to cut the grid lines. The grid was cut with two base lines, and using an 800 foot spacing. All lines were picketed at 100 feet intervals.

A total of 4.4 miles of base line were cut with an I.E.L. model 1110 power saw.

12.3 miles of grid line were cut, using axes and machettes, employing line of sight picketing and compass for control.

Soil Sampling

Seasonal frost prohibited soil sampling at the time of the reconnaissance trip.

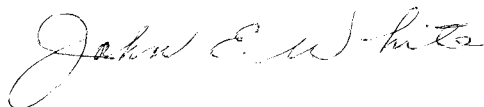
Soil samples were procured with the use of a light prospector's pick. They were taken at 100 feet spacings on the cut grid. There was only a partial coverage of the Group, most of the remaining area is valley bottom with a great depth of overburden.

A total of 622 soil samples were tested for total Zn content. 127 of these were also tested for Pb content.

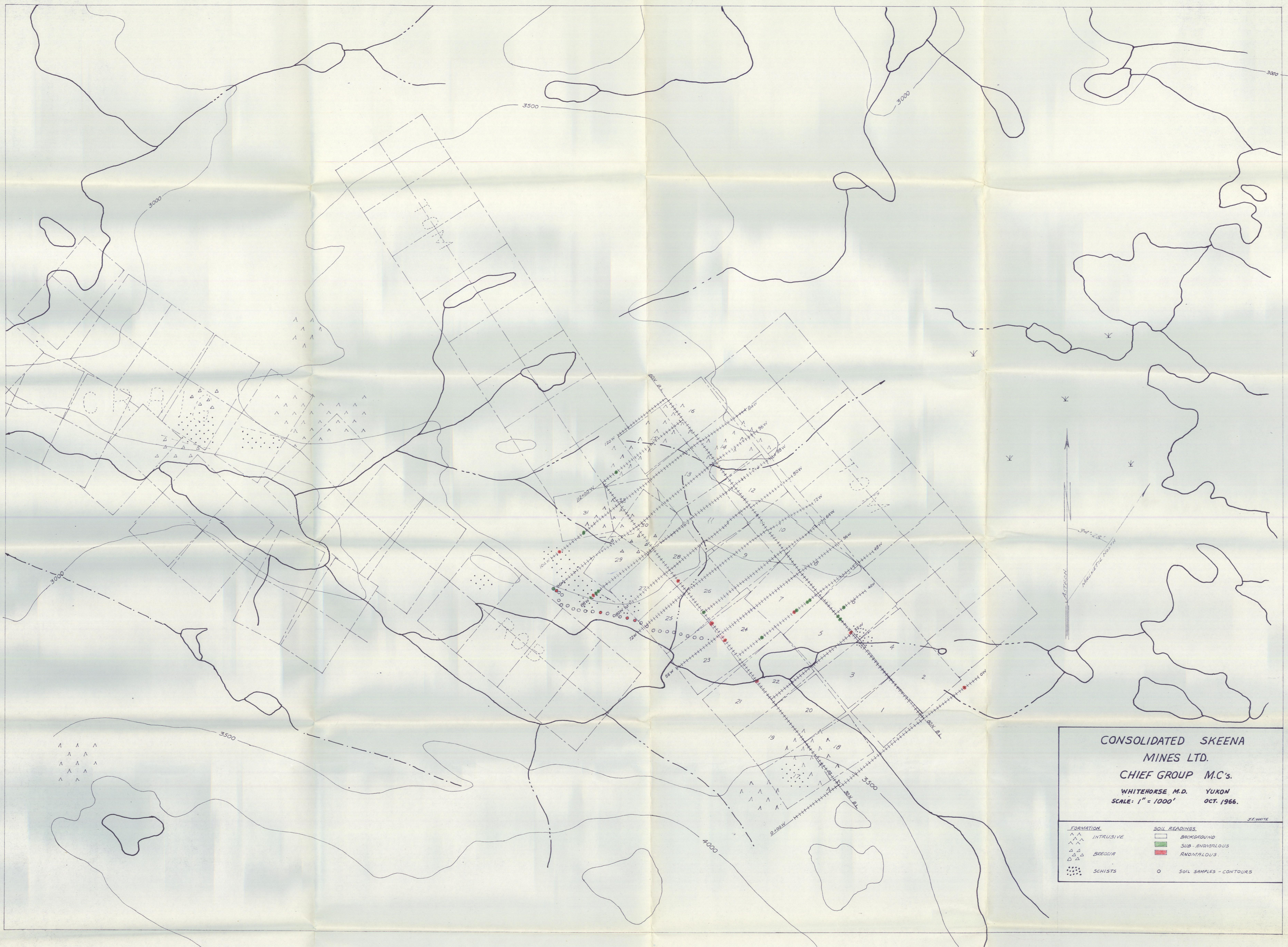
Six silt samples were also taken. The locations are shown on the accompanying map.

Soil testing was by the hot extraction method, by Atlas Explorations Ltd. geo-chemical laboratory at Ross River.

Respectfully submitted,



JOHN E. WHITE (SIGNED)



CONSOLIDATED SKEENA
 MINES LTD.
 CHIEF GROUP M.C.'s.
 WHITEHORSE M.D. YUKON
 SCALE: 1" = 1000' OCT. 1966.

FORMATION		SOIL READINGS	
▲▲▲	INTRUSIVE	□	BACKGROUND
▲▲▲	BRECCIA	■	SUB-ANOMALOUS
●●●	SCHISTS	■	ANOMALOUS
		○	SOIL SAMPLES - CONTOURS

J.E. WHITE