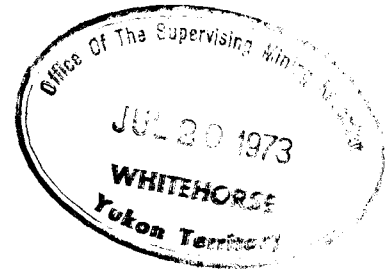


GEOCHEMICAL REPORT
DARK 1-40 Mineral Claims
Dark Creek Area
Claim Sheet 115-I-11
Whitehorse Mining District



for

KLONDIKE EXPLORATIONS LTD.

by

A. C. Ogilvy, P. Eng.
Consulting Geological Engineer

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 2125.00

~~Resident Geologist or
Resident Mining Engineer~~

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

T A B L E O F C O N T E N T S

Introduction	Page 1
Claim's Location and Access	Page 1
Terrain and Geology	Page 2
Geochemistry	Page 2
Conclusions	Page 4
Recommendations	Page 4

M A P S

Location Map:	following page 1
Copper Geochem. Plot:	following page 4

Note:

As called for in Section 53(4)(a)(XVI), the names and addresses of persons employed in performing the work are as follows:

Bernard Fitch	Kopper King Trailer Court
Jim Lutz	6102-6th Avenue
Peter McLoughlin	Porter Creek, R.R. 1, Box 8
Keith Gay	26 Dieppe Drive
A.C. Ogilvy, P. Eng.	77 Teslin Road
all in Whitehorse, Yukon Territory.	

INTRODUCTION

DARK 1-40 Mineral Claims, owned by Klondike Explorations Limited, were staked in April, 1972.

They adjoin the south boundary of the MINTO claims, staked on behalf of Silver Standard Mines Limited in July and August of 1971 to cover a copper discovery that company had made that summer. Another copper prospect was independently and simultaneously made by a United Keno Hill Mines Limited syndicate immediately north of the MINTO claims, and staked on behalf of the syndicate as the DEF claims.

Last summer, extensive diamond drilling was done on the MINTO claims, and significant concentrations of chalcocite were reported. At present, the DEF claims are undergoing drilling.

In view of the favorable location of the DARK claims, on May 15, 1972, Alan R. Archer, P. Eng. recommended a \$10,000. exploration program consisting of soil sampling, geological mapping and bulldozer trenching.

Present Program

Early in June, 1973, the writer was approached by Mr. Bernard Fitch, president of Klondike, to recommend how \$2,000. could be spent to best advantage using the Company's own resources so far as possible.

It was agreed that Mr. Fitch with two assistants would commence a soil-sampling and prospecting program on the weekend of July 23. The program would consist of chaining and flagging two north-south base-lines and an east-west tie-line, soil sampling at 400-foot centers on east-west compass-and-pace lines 800 feet apart, and prospecting, including observations of float in soil, partly in search of windows of plutonic rocks in the overlying Carmacks volcanics.

It was also agreed that the following weekend, the writer would assist Mr. Fitch and his crew completing the field work, and evaluate the entire results in the form of a report.

The project was completed as proposed and is reported herein.

PROPERTY, LOCATION and ACCESS

Property

DARK 1-16 were staked April 9, 1972 and recorded April 12, 1972 in Whitehorse, Grant Numbers are Y66139-Y66154. On June 15, 1972, they were transferred to Klondike, the present owner. On April 11, \$25. fee-in-lieu-of-work was applied to each claim, extending them to July 12, 1973.

DARK 17-40 were staked April 12, 1972 et seq, and recorded May 10, 1972, in Whitehorse. Grant Numbers are Y66244-Y66267. On August 10, 1972, they were transferred to Klondike, the present owner. On April 11, a \$25. fee-in-lieu-of-work was applied to each claim, extending them to August 10, 1973.

U. K. H. M.
DEF group

Silver Standard
MLNTO group

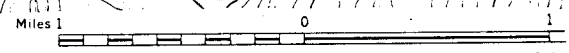
	(59)	(57)	(56)	(55)			
2	1	23	24	26	25		
4	3	21	22	28	27		
6	5	19	20	30	29	37	39
8	7	17	18	32	31	38	40
10	9	15	16	34	33		
12	11	13	14	36	35		

137°10'W

62°35'N

Location Map
DARK 1-40

SCALE 1:50,000



D a r k

115 1/11

C r e e k

Location

The claims are located at 62° 34' N, 137° 13' W between elevations 2000 and 3300 feet on a south-facing slope north of Dark Creek.

They are approximately 50 miles WNW of Carmacks and 150 miles NNW of Whitehorse.

Access

The north boundary of the DARK claims lies 1.5 miles south of an airstrip on Silver Standard's MINTO claims, which is connected by 12 miles of tote trail to a point opposite Minto Airstrip and the Alaska Highway, which lie across the Yukon River.

TERRAIN and GEOLOGY

The claims occupy a rolling, generally south-westerly slope, bisected by a south-trending valley. Maximum relief is 1300 feet. Dense forest cover precludes helicopter use.

The ground is permanently frozen, about 10 percent of the area consisting of frozen muskeg to depths of at least 1 to 1.5 feet.

According to the Geological Survey of Canada (Bostock: Map 340A "Carmacks") the claims are entirely underlain by Carmacks volcanics, which are post-intrusive and, probably, post-mineralization in age.

Outcrops of volcanic rocks observed at both the northwest and northeast corners of the grid, and at 50 south/0 east, 64 south/0 east and at 56 south/30 west, as well as fragments of volcanic rocks at soil-sample locations, confirm Bostock's observations.

GEOCHEMISTRY

Control

Commencing at No. 2 posts of MINTO 55 and 56, a baseline was chained, blazed and flagged to 64 south, 0 east.

Commencing at 30 south, 0 east, a tie-line was chained, blazed and flagged westward to 30 south, 30 west.

From this last point, a "30 west" baseline was chained, blazed and flagged north to 0 south, and south to 56 south.

All co-ordinates refer to hundreds of feet.

Using compass-and-pace lines, and tying-in to the two north-south baselines, samples were taken at 400-ft. centers between 58 west and 28 east, on lines 800 feet apart from 0 south to 56 south.

An extra line was sampled at 64 south from 0 to 28 east.

Sampling

Ninety percent of the samples were taken from the B horizon at depths of 1 to 1.5 feet. The remaining samples consisted of frozen organic matter, a proper sample being impractical due to permafrost conditions.

Volcanic ash, if present, was generally less than one or two inches, and was penetrated before sampling.

Assaying

The samples were analysed by Whitehorse Assay Office for copper.

Mr. George Spalding reports that after drying overnight, the samples were screened.

0.5 grams of minus 80-mesh material was digested in hot acid for four hours and analysed for copper by atomic absorption.

Results

177 samples were analysed, and returned values having a skew-curve distribution typical of copper.

A histogram was prepared (See "Copper Geochem. Plot" at the end of this report) and a statistical analysis based on normal distribution gave the following results:

No. of samples: 177
Range: 8-56 ppm
Mode: 16 ppm. (47 samples)
Mean: 21.6 ppm
Standard deviation: 4.8 ppm
No. of Samples:

1-2 stand dev. above mean: 10
2-3 stand dev. above mean: 10
3-plus stand dev. above mean: 2

CONCLUSIONS

- (1) There is no evidence that favourable granitic rocks form windows in the overlying, younger Carmacks volcanic rocks.
- (2) No significantly anomalous geochemical results were obtained from soils.
- (3) No examination has been made of granitic rocks which may underlie the volcanics at relatively shallow depth.

RECOMMENDATIONS

Consideration should be given to holding the DARK claims until completion of current exploration on the DEF and MINTO groups is complete, with the possibility that favorable results could justify drilling below the volcanic capping.

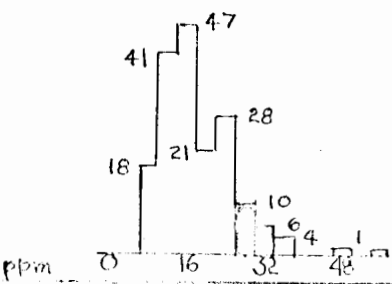
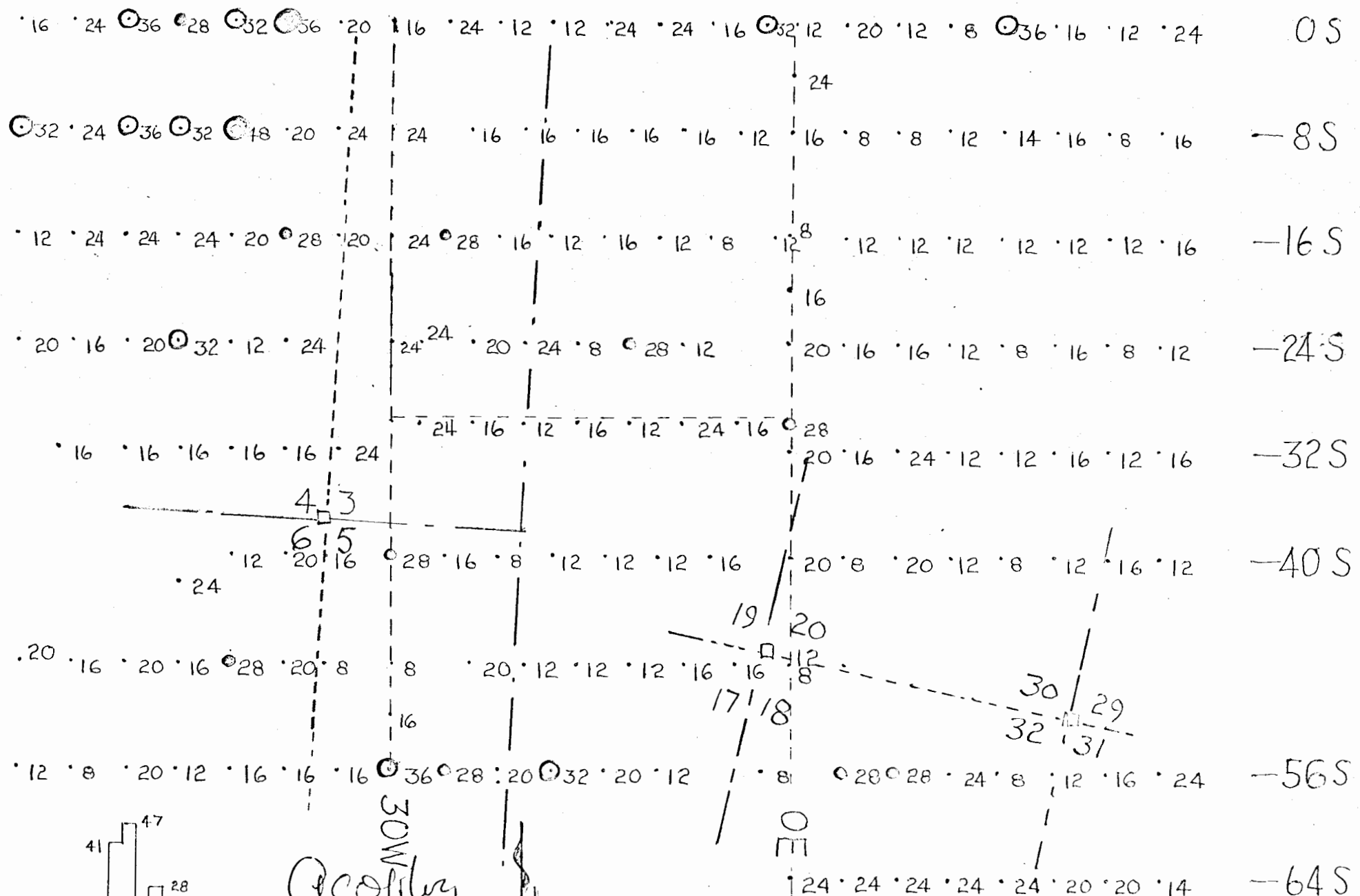
In the meantime, assessment work should be confined to more intensive geological and geochemical mapping, if possible in co-operation with owners of the ground to the north.



A.C. Ogilvy, P.Eng.

Whitehorse, Yukon

July 12, 1973.



A.C. OGILVY
 P. Eng. (Y.T.)
 July 11, 1973

TRUE
 SCALE: 1" = 1000'
 0 500 1000 FT.

DARK M.C.'s, Whitehorse M.D.
 Dark Creek, N.T.S. 115-1-11
 COPPER GEOCHEM. PLOT