DYNASTY EXPLORATIONS LIMITED

ATLAS EXPLORATIONS LIMITED

WHITEROCKS PROJECT REPORT

Bear, Charlie, Pop & Alfy Mineral Claims

NTS 82 L 4

811665

John S. Brock

September 1969

WHITEROCKS PROJECT REPORT

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INTRODUCTION

The Bear, Charlie, Pop and Alfy Mineral Claims, a 97 claim group including fractions, is located immediately west of Whiterocks Mountain. Whiterocks Mountain (elevation 6114 ft.) is located 16 miles northwest of Kelowna. The Whiterocks Properties were offered to Atlas Explorations under an option agreement by Ivan Greg and Associates. On September 8, 1969, Dr. A. E. Aho conducted an examination of the property at which time a decision was made to proceed with an option agreement and further exploration by Atlas Explorations.

Work on the property commenced September 22, 1969 when Mr. Gerry Rainer, an independent geologist contracting his services to Atlas, was accompanied to the property by Ivan Greg to carry out geologic investigations. On September 29, Atlas personnel, Davis, Brock and Sanford visited the property and determined plans for immediate exploration to be carried out during the period October 1 to November 15.

PREVIOUS WORK

Previous work on the property has not been of a comprehensive nature. During July 1969, approximately 8000 feet of grid was established by flagging 200 foot spaced lines with 100 foot stations over Mineral Claims Alfy 1, 2, 5 and 6. A geochemical soil sampling survey was carried out over this grid where subsequent anomalous values of copper (up to 1490 ppm Cu) in soils were detected. The anomalies are 'open' to the north, east and south quadrants of the grid. A number of exploration pits have been blasted into basic rocks, most exposing chalcopyrite mineralization. Three short EXT diameter diamond drill holes were drilled on the 'grid area'.

An examination of the claims by A. E. Aho for Atlas Explorations was carried out in September 1969. In Aho's memorandum to the Company dated September 9, 1969, references are made to older previous work by individuals in the area.

To date, September 22 to September 29, Gerry Rainer has defined the approximate east and west boundaries of the favourable host ultrabasic unit over the north half of the claim group. Rainer's investigations of the south and southwest portions of the property as well as the northeast portions have not yet been completed.

PROPOSED WORK

Personnel

By October 10, the Atlas crew working on the property will consist of:

Geologist-Party Chief	Gerry Sanford
Assistant and Magnetometer Operator	Tim Brock
Soil Sampler	Robert Etzel
Prospector-Camp Man	Ted Skonseng
Cook	Doug Tizya

By October 20, Gerry Sanford will either be replaced by Tim Brock as chief field man or Phil Nielsen who will be hired on a short-term basis as Geophysicist-Party Chief until the Project is completed.

It is hoped that Atlas geologist Tim Coates will be Project Supervisor and that his present duties will allow him sufficient

time to visit and familiarize himself with the property during the latter part of October. Coates would assume responsibility for conducting proposed exploration if required during 1970.

Camp Construction

Ivan Greg has obtained permission from Crown Zellerbach for use of 2 wooden 24 x 11 foot cabooses and 1 wooden 18 x 11 foot caboose, all mounted on log skids. These structures are not in good enough condition to move to other locations on the property but can be renovated by Ted Skonseng to provide comfortable winter accommodation for cookhouse, bunkhouse and field offices. At the same site are located 1, 14 x 16 tent frame and 1, 9 x 12 tent frame, property of Texas Gulf Sulphur. Permission has been obtained from Texas Gulf Sulphur for their use if required.

Necessary camp equipment will have to be determined by Sanford and either purchased in Kelowna or Vancouver.

Access Roads

Access to the north boundary of the claim group already exists by way of a 4-wheel drive trail constructed by T.G.S. for their drilling program.

A north-south directional access road will be constructed by Serwa Bulldozing of Kelowna. 20 hours of D-8 cat time at $30/hour have been contracted for access road construction, 1 culvert will also be placed. Negotiations were made through Phil Large of Serwa Bulldozing at Kelowna, telephone number 762-4007.

Trenching

After access road construction has been completed a minor amount of stripping (about 6 hours) will be done over

the main showing area with the D-8. Exposures will then be washed down by using a small rented pump and existing hose line from previous X-ray drilling. It is hoped that trenching here will provide additional exposure for chip sampling and detailed study of the ultra-basic complex as a guide to projecting known geology to other parts of the property.

Linecutting

A linecutting contract will commence on the property for 60 line miles of grid cut chained and picketed with a transit located ~~bore~~ base line. Contract is $110/line mile and contractor Ab Ablett of Kamloops (telephone 376-7490) is placing 7 men on the job including a cook. His crew will be self-supporting and his cook will also feed our men until Atlas can provide their own cook next week.

The baseline will be oriented north-south with proximity to the Alfy Claims location line. Grid co-ordinates have been selected to coincide with the Texas Gulf Sulphur survey grid bordering the Whiterocks Property. Using the same co-ordinates may be useful if a deal is ever made with Texas Gulf Sulphur.

The lines will be located at 2000 feet east and 3000 feet west of the centrally located baseline. Lines will be of 400 foot spacing and 100 foot stations will be established.

Staking

Staking of approximately 12 extra claims to the northeast of the property, tied on to Bear 1, 3, 5, 7 and 9, will be done after probable extensions of the ultrabasic units in this area have been defined. Claims will be staked under contract to Ablett for Whiterocks Project. The 'Ivan Group'

is suggested for an appropriate name.

Geophysics

Magnetometer surveys with a Sharpe MF1 will be run over the entire gird to properly map and define contacts of the ultrabasic units. The magnetic survey will take priority over other geophysical and geochemical methods as determinant of extent of other types of surveys.

I.P. surveys will be contracted to Siegle and Associates (not confirmed) for 20 line miles with suggested 200 and 400 foot spreads at each station. Contingent 40 and 60 line mile totals will also be accepted. It is felt that economic grades of copper (0.4 to 0.5%) will occur in sufficient chalcopyrite to provide a 1% per volume of metal or sulphide content thus detectable by I.P. method. I.P. will first be run over the area between the main showing and the Texas Gulf Sulphur ground to the north.

Geochemistry

The entire grid will be surveyed geochemically by analysis of soil samples for copper, moly and zinc. Initial examination shows the B soil horizon to be partially developed and the A_2 and C horizons to be most prominent. Sampling of the C horizon is suggested, and the B horizon does not prevail over the entire property. Before final decisions on sampling techniques are made orientation through test pitting is suggested with both partial and total extractions used on copper analyses of soil profiles.

Should do spot assays (rock) for nickel and cobalt, possibly silver.

Try moly, bismuth assays on high sulphide specimens.

Geology

Gerry Rainer will instruct Gerry Sanford in mapping of the property. Rainer's job has been to define the limits of the ultrabasic rocks, recognzie economic possibilities of copper mineralization and recommend further follow-up work.

The host unit has been recognized as an ultrabasic complex of varying magnetite biotite and epidote content carrying varying amounts of finely disseminated chalcopyrite and bornite within selected bands. Dimensions of the ultrabasic unit have been determined by Rainer as being from 3000 to 4000 feet wide and 6000 feet long. The known area of mineralization is about 1000 to 1200 feet in diameter; outcrop is limited.

The following points are recognized as being useful in mapping on the property:

(1) detailed mapping of known mineralization, Alfy Showings on a 100 foot grid within the 400 foot overall grid. This mapping on scale 1 inch to 100 feet will provide detailed information on variations of mineral content due to banding, biotite, magnetite and epidote content.

(2) other features that should be mapped are:
- K feldspar content
- distribution of porphyry within ultrabasic
- acid and basic phases
- biotite, epidote and magnetite content.

Property mapping should be to scale 1 inch to 200 feet.

* Map orientation of layering or lamination in ultrabasic unit at each outcrop - may define shape and extent of body.

SUMMARY AND CONCLUSIONS

The Whiterocks Property has been recognized as an attractive exploration bet holding potential for good copper mineralization.

Detailed magnetometer, I.P., soils geochem and geologic surveys over a well controlled survey grid will provide enough information by the end of November, 1969 to warrant diamond drilling of selected targets in 1970. It appears that the property will require drilling at this date; however, the extent of drilling will depend on results obtained from surveys conducted over the next two months.

Respectfully submitted,

John S. Brock
Vice-President Exploration

October 2, 1969

SCHEDULE A

WHITEROCKS PROJECT

BUDGET 1969

SEPTEMBER

(01)	Property Examination		
	Salaries & Wages (A. E. Aho)	$ 150	
	Field Expenses	200	
	Assays	50	
	Transportation (Vancouver-Kelowna return and local)	900	
		$1,300	
(06)	Geology		
	Salaries & Wages		
	G. Sanford - 5 days - $150		
	J. Brock - 2 days - 100		
	G. Davis - 2 days - 150	$ 400	
	Contract Payments - G. Rayner - 8 days	800	
	Field Expenses	300	
	Assays	50	
	Camp Operation	200	
	Freight & Transp. - Fixed Wing	240	
	- Truck	100	
		$2,090	
	Total September		$3,390

OCTOBER

(02)	Prospecting		
	Salaries & Wages (Skonseng)	$ 600	
	Field Expenses	150	
	Assays	100	
	Camp Operation	300	
	Freight & Transportation	140	
		$1,290	
(03)	Staking (Contingent)		
	Assume staking cost of $50/claim for extra 50 'protective' claims	$2,500	

(05) Linecutting

Salaries & Wages (supervisory)	$ 200
Contract Payments - all inclusive $120/line mile for 60 miles	7,200
	$7,400

(06) Geology

Salaries & Wages	$2,000
Field Expenses	200
Assays	200
Camp Operation	300
Freight & Transportation	200
	$2,900

(07) Geophysics (Magnetic & I.P.)

Salaries & Wages	$ 1,000
Contract Payments 50 line miles @ $300/line mile?	15,000
Field Expenses	500
Camp Operation 5 men/month	1,500
Freight & Transportation	1,500
	$19,500

(08) Geochemistry

Salaries & Wages	$ 600
Contract Payments	
Field Expenses	200
Assays - 3200 samples @$2 each for Cu, Mo.	6,400
Camp Operation	300
Freight & Transportation	200
	$ 7,700

(11) Access Roads

Salaries & Wages	$ 60
Contract Payments 20 hrs. @$35/hr.	700
Field Expenses	100
Camp Operation	50
Freight & Transportation	200
	$1,110

Total October $42,400

NOVEMBER

Prospecting - assume ½ Oct. costs	645	
Linecutting (Contingent) - 30 miles @$120/line mile	3,600	
Geology - assume ½ Oct. costs	1,450	
Geophysics (Contingent) - assume ½ Oct. costs	9,000	
Total November		$14,695

DECEMBER

Geology - Salaries	500	
Geophysics - Salaries	500	
Geochem - Salaries	500	
Total December		$ 1,500

TOTAL COSTS WHITEROCKS PROJECT 1969

September	$ 3,390
October	42,400
November	14,695
December	1,500
	$ 61,985*

* Exclusive of administrative charges.

NOTE

1. Contingent Expenditures included as actual:

October Staking	$2,500
November Linecutting	3,600
November geophysics	9,000
	$15,100

2. Field work assummed to terminate November 15th.

3. Administrative charges have not been calculated nor included in these estimates.