

Y 3/18
Operation program 1953

105

May 12, 1953.

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007584

OPERATIONAL ORDER
FOR
YUKON ACTIVITIES -
SUMMER 1953

A		N
	A.D.	
✓	J.I.	✓
✓	G.C.A.	✓
✓	G.E.	✓
✓	C.L.C.	✓
	M.H.F.	
	R.D.S.	

GENERAL INFORMATION

A belt of Mesozoic intrusives, locally carrying copper-nickel mineralization, was discovered in the Kluane Lake district of the Yukon Territory during the course of last year's prospecting.¹⁾

DISTRIBUTION:

- A.D.
- J.I.
- Noranda
- C.L.C.
- W.S.R.
- J.W.B.
- P.P.
- File

Two groups of claims were staked by the Company, one in the Quill Creek area, adjacent to Hudson Bay Mining and Smelting Company property - the other 45 miles to the northwest, near the White River. In addition, a group was optioned in the vicinity of Miles Creek on the White River and another in the vicinity of Dry Creek.

Hudson Bay Mining and Smelting Company have established permanent camps at Quill Creek and are planning an extensive test by drilling and underground exploration this season. They have a large and active force of prospectors in the area. Other large mining interests are also planning exploration this season and competition is expected to be keen. The district is served by the Alaska Highway and occasional service roads off the highway.

INTENTION

Prospectors Airways Company Limited will make a detailed geophysical and geological survey of their claim groups and will prospect in detail the entire belt of Mesozoic intrusives of the Kluane Range extending from the Slim's River to the White River. In addition, a separate party will prospect a belt of basic intrusives in the Squanga Lake area and a similar belt in the area adjacent to the

Cassiar Asbestos Mine at McDame Creek, B. C.

Diamond drilling is proceeding at the Miles Creek property and will be extended to the Quill Creek property if indications justify it.

METHOD

QUILL CREEK

The Quill Creek party will consist of one senior geologist, one assistant geologist, two student prospectors, one engineer, one assistant engineer and one packer cook.

The senior geologist will be in charge of operations and will be responsible for:

1. A detailed geological survey of the claims.
2. Detailed magnetometer surveys of selected portions containing nickel intrusives.
3. Detailed prospecting of the claims.
4. A preliminary transit survey of the claims.

An aerial photographic map at a scale of 500' to the inch with 50' contour lines will be provided as a base for the mapping and geophysical survey. In addition, an aerial photographic mosaic will be supplied for control purposes. A transit, 2 Sharpe DLM magnetometers, self-potential survey equipment, prospecting tools and a gasoline plugger drill will be available.

A temporary drill camp will be established on the ground. Horses will be provided for local transport. The camp will be

serviced by truck from the Alaska Highway. Detailed administrative arrangements will be found in Appendixes I, III and IV.

WHITE RIVER

The party will consist of one senior geologist, one assistant geologist, two student prospectors, one packer cook. The engineer and his assistant from Quill Creek will be available part of the season. The plan outlined above for Quill Creek will also be carried out here.

PROSPECTING PARTIES

A Party will consist of two prospectors, one assistant prospector, one student prospector and two packers. The prospecting and geological students will co-operate in carrying out detailed prospecting of that section of the Kluane Ranges extending from Slim's River to Burwash Creek. To expedite the work, two sub-parties, consisting of one prospector, one assistant and one packer will, simultaneously, prospect separate halves of the above area.

Horses will be employed off the Alaska Highway, the parties will be serviced by truck along the Highway. Any worthwhile mineralization will be, immediately, protected by staking claims and the Chief Geologist will be notified.

Detailed administrative arrangements will be found in Appendixes I, III and IV.

KLUANE NORTH

A party similar to that outlined for Kluane South will carry out detailed prospecting of that section of the Kluane Ranges extending from the Donjek River to the White River. The plan outlined above will also apply here.

SQUANGA LAKE

The party will consist of one geologist, one prospector, one assistant prospector and one packer. The geologist will be responsible for reconnaissance prospecting of the belt of basic intrusives in the neighbourhood of Squanga Lake²⁾ and, possibly, those in the vicinity of the Cassiar Asbestos Mine at McDame Creek.¹⁾ Horses will be employed. The party will be supplied by truck or bus via the Alaska Highway.

DRY CREEK

A party consisting of one geologist, one assistant geologist, one prospector and one packer will be employed part of the season here. The geologist will be responsible for a detailed geological survey of the claims and a magnetometer survey in the vicinity of the showing. In addition, a self-potential survey may be made. Thorough sampling of the trenches will be carried out. Horses will be employed off the road. The supply point will be Dry Creek at Mileage 1184, the Alaska Highway.

MILES CREEK OPTION

The party will consist of one geologist, one cook, two labourers and a diamond drill crew; the surveyor and his assistant will be available part time. The geologist in charge will be responsible for:

(please see next page)

1. A detailed geological survey of claims.
2. A detailed magnetometer survey of selected portions.
3. A self-potential survey of selected portions.
4. A preliminary transit survey of claims.
5. Detailed prospecting of the claims.

A permanent camp has been established at Mileage 1168, on the Alaska Highway and the drill camp is located approximately four miles south; a bull-dozer road connects the two. These camps will be serviced via Alaska Highway by truck.

THE ABOVE ARRANGEMENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE TO MEET EXISTING EMERGENCIES.

E. O. CHISHOLM, P. Eng.,
 Chief Geologist,
 YUKON EXPLORATIONS

- REFERENCES:
1. E. O. Chisholm; Report on Exploration in Northwest Shawkak Valley, Yukon Territory 1952.
 2. E. O. Chisholm; Summary Report on Yukon Exploration 1952.

EOC:NG

(N.B. Please see attached sheets, namely: Appendix I - Administration Detail
 II - Yukon Personnel
 III - Administration Details
 IV - Administration Details)

1168
 1097

 71

1097
 1016

 P1

A P P E N D I X I

ADMINISTRATION DETAIL

1. Personnel from the East will gather at Toronto 4.15 p.m., May 13th 1953 and receive air transportation tickets via C.P.A. to Whitehorse. On arrival they will proceed by bus or truck to field headquarters at White River, mileage 1168. Parties will be outfitted here and party leaders will take their parties directly to jumping off places by Company truck.
2. Personnel from the West will proceed from their home bases by air to Whitehorse in time to arrive there by May 15th. Arrangements have been made with C.P. A. to supply tickets on demand at their nearest office. On arrival at Whitehorse, personnel will proceed to field headquarters at White River for outfitting. Party leaders will take their parties directly from here to jumping off places by Company truck.
3. Visits to Whitehorse will be limited to essential trips only by key personnel to ensure security in the operation.
4. Horses and packing equipment will be rented locally at Champagne or Burwash landing and will be transported by Company vehicle.
5. Maps will be supplied by the Chief Geologist. Operational headquarters will be at mileage 1168 on the Alaska Highway, near the White River crossing.
6. The Company's mailing, wire and telephone address will be Prospectors' Airways Company Limited, Northwest Communication System, KOIDERN, Y. T. This point is located about 5 miles from headquarters camp.

A P P E N D I X II

THE FOLLOWING IS A BREAKDOWN OF YUKON PERSONNEL INTO PARTIES:

YUKON PERSONNEL - SUMMER 1953

Chief Geologist - E. O. Chisholm

Quill Creek

Geologist - F. A. Campbell

Assistant-Geologist - R. Walsh

Student-pro prospector - A. Eberts

Student-pro prospector - W. O. Andrews

Engineer - M. Cleary

Asst. Engineer. - T. A. Hull

White River

Geologist - N. Firth

Assistant-Geologist - J. Gauvin

Student-Prospector - M. M. MacMillan

Student-Prospector - V. Papizek

Kluane South

(Slim's River to Burwash Creek)

Prospector - J. Van Koughnet

Prospector - J. Copeland

Assistant Prospector - L. Carpenter

Student-Prospector - J. A. Wise

Kluane North

Prospector - A. Baranouski

Prospector - J. Hodgson

Assistant Prospector - W. J. Carpenter

Student-Prospector - T. S. Hewison

(continued)

A P P E N D I X II (continued)

YUKON PERSONNEL - SUMMER 1953

Squanga Lake

Geologist (Student)	-	P. L. Gordy
Prospector	-	S. Wilson
Prospector	-	M. Romanuk

Miles Creek

Geologist	-	R. W. Baker
Cook	-	J. Love
Labourer	-	J. A. Orange
Labourer	-	K. Christiansen

A P P E N D I X III

ADMINISTRATION DETAILS

QUILL CREEK PROPERTY MILEAGE 111.6, ALASKA HIGHWAY

PERSONNEL

Geologist	-	F. A. Campbell
Assistant Geologist	-	R. Walsh
Student Prospector	-	A. Eberts
Student Prospector	-	Wm. D. Andrews
Engineer	-	Michael Cleary
Assistant Engineer	-	W. D. Hull
Packer-Cook		(hired locally)
2 Horses		(rented locally)

TASKS IN ORDER OF PRIORITY

- (1) Preliminary survey of previous staking and check for errors in previous staking.
- (2) Magnetometer survey of selected portion about 1,000' wide by two miles long to determine peridotite contacts.
- (3) Geological survey at 500' to the inch of property, Air photos and contoured base map will be supplied.
- (4) Detailed prospecting of all peridotite contacts to be carried out at the same time.
- (5) Detailed topographical survey of showings.
- (6) Possible self-potential survey to be made of peridotite contacts.

APPENDIX III (CONTINUED) / ADMINISTRATION DETAILSACCOMMODATION

A tent camp will be established at Chisholm Lake on the property.

COMMUNICATION

An access road has been constructed from Mileage ¹¹¹¹⁻⁶~~111.6~~ Alaska Highway to Chisholm Lake. Telephone service is available through courtesy of Hudson Bay Company at Alaska Highway Junction. This connects to Whitehorse and Northwest Communication Wire Service. Word phone conversations so as not to disclose valuable information to others. Important Wire messages to be coded.

TRANSPORT

A truck will be available for transporting men, equipment and supplies to the property. Horses will be employed on the property to facilitate moving of equipment or supplies.

EQUIPMENT

Full camp equipment for eight men will be supplied, including cooking utensils, tents, etc.

Prospecting and technical equipment consists of:

- 1 gas drill and steel
- 1 set handsteel
- 2 striking hammers
- 4 picks
- 4 long-handled shovels
- 1 crowbar
- 1 set of sampling moils. Powder and fuse obtainable locally.
- 1 D. M. type magnetometer
- 1 set self-potential survey equipment
- 1 transit

A P P E N D I X I V

ADMINISTRATION DETAILS

WHITE RIVER PROPERTY

PERSONNEL

Geologist	-	M. Firth
Assistant Geologist	-	J. Gauvin
Student Prospector	-	M. M. MacMillan
Student Prospector	-	V. Papizek

TASKS IN ORDER OF PRIORITY

(1) Preliminary survey of previous staking and check for errors in previous staking.

(2) Magnetometer survey of selected portion about 1,000' wide by two miles long to determine peridotite contacts.

(3) Geological survey at 500 feet to the inch of property. Air photos and base maps will be supplied.

(4) Detailed prospecting of all peridotite contacts to be carried out at the same time.

(5) Detailed topographical and geological survey of showings.

(6) Possible self-potential survey to be made of peridotite contacts.

ACCOMMODATION

A tent camp will be established near the main showing in central part of claims.

COMMUNICATION

An access trail will have to be cut from near Onion Lake on the Alaska Highway at approx. Mileage 1171 to the showing. This will serve as a pack road for the camp. Base camp at White River will be approximately 4 miles

distant. Telephone service is provided from KOIDERN Repeater station.

TRANSPORT

A truck will be available for transporting men, equipment and supplies along the highway. The camp will be served by pack horses.

EQUIPMENT

Full camp equipment for 4 men will be supplied.

Prospecting and technical equipment will consist of:

- 1 gas drill and steel
- 1 set handsteel
- 2 striking hammers
- 4 long-handled shovels
- 1 Crow bar
- 1 set sampling moils.
- Powder and Fuse obtainable locally.
- 1 D. M. type magnetometer
- 1 set self-potential survey equipment
- 1 transit