

Restricted
~~CONFIDENTIAL~~

REPORT
GEOLOGICAL INVESTIGATION & RECONNAISSANCE
OF
THE TED GROUP OF MINERAL CLAIMS
FOR
ALATOR CORPORATION LTD., TORONTO, ONTARIO.

TABLE OF CONTENTS

1. Covering Letter - L. G. White, P. Eng.
2. Geological Report - H. M. Powell, M.E.
3. Expense Summary.
4. Appendix.
(a) Geological Map of Claims.

VANCOUVER, B.C.,
December 3, 1954.

December 3, 1954.

Mining Recorder,
Department of Northern Affairs & Natural Resources,
Whitehorse, Y.T.

Dear Sir:

The report and expense summary, together with a general map, covering the TED Group of Mineral Claims situated in the Pelly River area, Y.T., are submitted herewith.

The reconnaissance work and claim survey were conducted under direction of a qualified Mining Engineer. His crew consisted of two experienced prospectors and two senior university students. Work was carried out from camps established on the Pelly River and Jackknife Lake.

Included on the accompanying map are plats of the Reno and Star groups of claims. Discussions on these groups will be submitted under subsequent reports.

Grouping Notice and Affidavits in application for Certificates of Work to be granted under Section 54 (2B) of the Yukon Quartz Mining Act, are submitted herewith. Our cheque in the amount of \$45.00, covering fees applicable, is also enclosed.

Yours very truly,



L. G. White, P. Eng.,
Agent for George Scott, In Trust,
Alator Corporation Limited,
Toronto, Ontario.

LGW/hc.
enc.

A GEOLOGICAL REPORT

ON THE

TED GROUP OF MINERAL CLAIMS

CONFIDENTIAL

PREFACE: This report is to be classified as a geological investigation as per Section 54-2B of the Yukon Quartz Mining Act.

A party of five men accomplished this work between May 31st and June 24th, 1954.

The southern boundary of the TED Nos. 2 and 4 Mineral Claims was cruised from a camp situated on the Pelly River near Blind Creek, the remainder of the group from a camp located on the top of Sheep Mountain, which, in turn, was established from the base camp on Jackknife Lake. This necessitated the cutting of a packhorse trail up the north slope of the mountain through dense, tall willow and Arctic birch.

Supplies were flown from Whitehorse to Jackknife Lake, thence by packhorse to the camp.

As a basis of this examination, the claims were surveyed by compass and chain.

Due to the extremely deep slopes of the terrain covered by the claims, the work was found quite arduous.

LOCATION: Located in the Pelly River District in Yukon Territory.

The property is situated at 133° 10' W. Longitude and 62° 14' N. Latitude, or approximately one mile south of Jackknife Lake.

The claims may be reached by plane from Whitehorse to Jackknife Lake, 120 flying miles, or by road, at present under construction, from Ross River to Blind Creek along the Pelly River, a distance of 35 miles.

PROPERTY: The TED Group consists of eight mineral claims, as follows:

	<u>Tag No.</u>
Ted No. 1	67383
" " 2	67384
" " 3	67385
" " 4	67386
" " 5	67387
" " 6	67388
" " 7	67389
" " 8	67390

The claims were recorded on November 27th, 1953, and were registered in Whitehorse, Y.T. in the name of Alator Corporation Limited, Toronto, Ontario. They have since been transferred to George Scott, in trust, for the above Company. The group is bounded on the north by the STAR and PELLY groups, on the east by the PELLY group, and on the west by the HOY group of Mineral claims.

TOPOGRAPHY: Sheep Mountain, so called locally, rises abruptly from Blind Creek on the southeast at elevation 2500 feet to an elevation of 4500 feet.

Deep ravines traverse the property to the south and southeast, thereby causing considerable relief and a rugged terrain. The depressions are invariably bottomed with talus and enough soil to support small to medium spruce.

The southern half of the group is practically devoid of vegetation and is precipitous. The northern half, where overburdened, supports small to medium spruce with occasional patches of white alder.

GEOLOGY: The area covered by this group is underlain chiefly by greenstone and cherts, probably Paleozoic, G.S.C. Memoir No. 200. The apparent trend of the formation is to the northwest, with dips to the northeast.

The rocks, generally, are so intermixed that no attempt was made to define boundaries.

On the TED No. 8 Mineral Claim, a small, 15-ft. dyke, granitic in type, was noted. The strike is almost due north, with dip to the east. The walls were frozen, showing little or no alteration.

Some minor east-west shearing was observed. This also showed no alteration.

ROCK TYPES: The greenstone is dense, fine grained green to grey rock and in the field difficult to classify.

It is probably argillite, although in places looks andesitic.

The cherts vary considerably from a cherty quartzite to extremely fine grained, flinty red chert or jasper.

MINERALIZATION: No mineralization was noted while prospecting these claims.

CONCLUSION: Since no mineralization was observed and no outstanding geological features were noted, it is the writer's opinion that further work on the group is not warranted.

However, if further work is considered, it should be confined to magnetometer survey where overburdened and to cruising with a geiger counter.

Respectfully submitted,



H. M. Powell,
MINING ENGINEER.

HMP/hc.
Dec. 3/54.

EXPENSE SUMMARY

TO:

Supplying and maintaining a crew of five men at a camp on the Pelly River and subsequently on Jackknife Lake, 140 air-miles northeast of Whitehorse, Y.T. Purpose of the job was to conduct a complete geological reconnaissance and mapping program of the TED Mineral Claims Nos. 1 to 8:

Crew: 5 men.
Time: 8 days.
No. of Claims: 8

LABOUR COSTS - Per Payroll Summaries:

1 Mining Engineer - Party Chief, @ \$18.00/day	\$ 144.00
2 Prospectors, @ \$12.00/day	192.00
2 Student-Surveyors, @ \$10.00/day	<u>160.00</u>

Total Labour Costs: \$ 496.00

Workmen's Compensation (Insurance) @ % - 24.80

BOARD COSTS - Per Northern Commercial Invoices:

Food supplies - averaged \$3.00/day/day - 120.00

TRANSPORTATION - Whitehorse Flying Services:

1 Plane Charter - Beaver, 3 hours @ \$80.00 - 240.00

HORSE RENTALS - T. Connelly, Ross River, Y.T:

Packing supplies - 2 horses @ \$6.00/day - 48.00

PREPARATION & PRINTING REPORT - Engineering Service: 50.00

TOTAL EXPENSE: \$ 978.80

EXPENSE/CLAIM: \$ 122.35

CORRECT:


L. G. White.

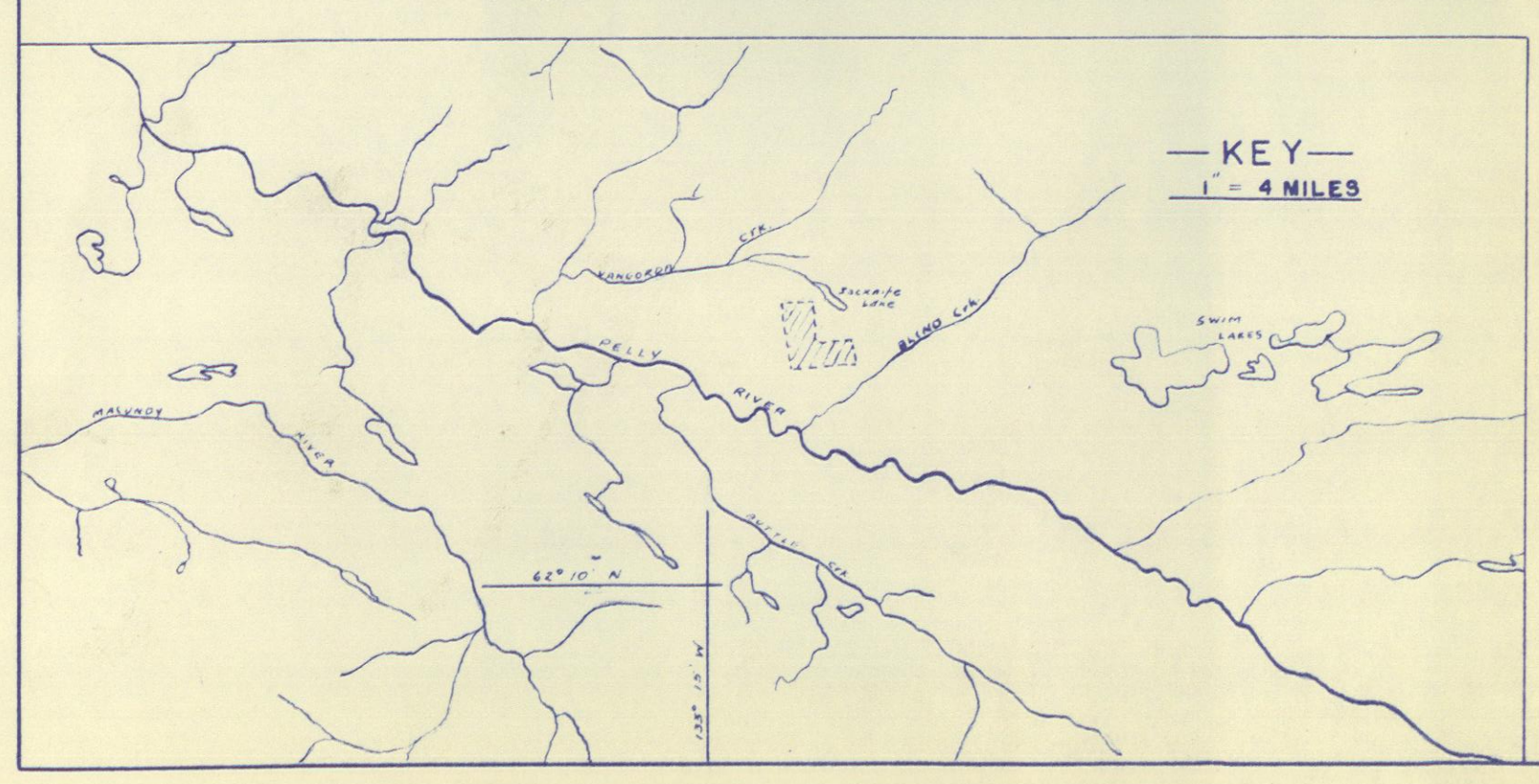
Dec. 3/54



LEGEND

O/B	OVERBURDEN
(Orange shaded)	DIORITE
(Green shaded)	CHERT GREENST.
(Dotted)	GLACIAL TILL
(Blue shaded)	LIMESTONE
(Dashed line with arrow)	SHEAR

CONFIDENTIAL



GEOLOGICAL PLAN
 JACKKNIFE LAKE CLAIMS
 PELLY RIVER DISTRICT
 —Y.T.—
 Scale 1" = 400' By A. Powell
 NOV. 1954