

This is Geophysical Report No. GC-127A-71-R
 For Plateau Metals Ltd.
 Geochem reconnaissance survey with Geological and
 Aerographic correlation over the
 Chuchi Lake Property. **93 N / 2 E**
 North of Port St. James, B.C. **54° N- 124° W.**
 August 18th, 1971

TABLE OF CONTENTS

	PAGE
Purpose	1
Presentation	2
Geochem Sampling	2
Geological Reference	3
Location	3
Personnel	3
Summary	3
Conclusions	5
Recommendations	5
Statement of Costs	6

3409

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3409 MAP

PLANS

- 1 Reconnaissance Plan GC-127A-71-R
- 2 Claims Plan GC-127A-71-R-C
- 3 Location Plan GC-127A-71-R-L

ELC GEOPHYSICS LTD.
 250 N. Grosvenor Ave.
 Burnaby 2, B.C.
 298-9619

Mining Recorder's Office
 RECORDED
 21 AUG 1971
 AT
 SWITMERS, B.C.

elc geophysics ltd.

250 NORTH GROSVENOR, VANCOUVER, CANADA TELEPHONE: (604) 298-9619

ELC GEOPHYSICAL REPORT NO. GG-127A-71-R, GEOCHEMICAL RECONNAISSANCE SURVEY WITH GEOLOGICAL AND ANTHROGRAPHIC CORRELATION OVER THE CHUCHI LAKE PROPERTY OF THE PLATEAU METALS LTD, NORTH OF FORT ST. JAMES, B.C. 54°12' N - 124°40' W AUGUST 18, 1971

Purpose:

The geochem reconnaissance survey was conducted prior to the detail survey reported in ELC Geophysics report No. M-SC-125-71, dated September 8 to October 25, 1971. The purpose of this report is to reassess the geophysical aspects of the entire property in the light of the two surveys and the two reports. The first by A.F. Roberts, F.Eng. August 18th and the second by D.L. Hings, F.Eng. October 25th on the magnetometer and geochem detail portion.

It is not the purpose to alter the opinions expressed in the previous reports, but to more specifically account for geochemical values limited to the reconnaissance area only, considering the spot geological sampling throughout the area, and the correlation of linear topographical features observed from aerial photography.

...con't...

Presentation:

The plan GC-127A-71-R indicates 13 geochem anomalous features A1 through A13. The relationship of the anomalous CU values that exceed 50 PPM from a background average of less than 25 PPM on neighbouring lines have been used to form linear geochem anomalies. The strike of these anomalies have largely been determined by observed erosion and strike of local fracture zones. The area of the detailed survey is overlaid over the northern portion. The baseline is located relative to both surveys.

Geochemical Sampling:

The samples were taken from the "B" horizon by first removing any overlying debris, then digging a hole, using a round mouthed spade, to a depth of approximately 15 inches below the surface. A sample from the hole was packaged using a standard kraft soil bag obtained from Acme Analytical Laboratories Ltd. The sample determinations were made by Acme Analytical Laboratories Ltd. 6455 Laurel St. Burnaby, B.C.

...con't...

Geological Reference:

GSC Map 876A Manson Creek.

A.F. Roberts report of the Chuchi Lake property, August 18, 1971.

Location:

The TOP and POT claims groups are located on the north shore of Chuchi Lake immediately east of KLAWLI Creek, 12 miles from the road on the east end of the lake, in the Omenica Mining District, 76 miles north of Port St. James, B.C. $54^{\circ}12' N - 124^{\circ}40' W$.

Personnel:

Geological assessment by A.F. Roberts, P. Eng. Geochemical survey by Kol Lovang, aerial photo assessment by D.L. Kings, P. Eng.

Summary:

Referring to the plan CC-127A-71-R, diorite samples containing CU, PYR. and MO. ranging from quartz

...con't...

diorite to diorite and some quartz porphyry. Samples taken near the beach as indicated are associated with the fracture strike features A1, A2, A3W and A3E and have an average strike approximately north 120°E, with a north dip of 70° to 75° as reported by A.F. Roberts.

The alteration consists chiefly of epidote in the vicinity of mineralization.

The A4 geochem enrichment covers a fracture zone intersecting the linear anomalies OL15, OL2 and OL3. The OL3 linear anomaly appears to run into the geochem enrichment A6 on the east side of the property and this strike parallels the OL5 linear anomaly that extends through the swamp from Little Witch Lake, to the geochem enrichment A9. The OL5 linear anomaly would appear to be closely associated with the fault shown as F4 or the linear L6 in the detail survey report.

The OL4 linear anomaly aligns with a wooded area and geochem enrichment is probably associated to the drainage within this area. The A5 enrichment follows a strike common to the area and similar to the anomalies A1, A2, A3. The anomaly A7 to the east may be associated with the detail survey anomaly GC10.

...con't...


Conclusions:

Similar mineral samples obtained on both ends of the OL1 north and south linear anomalies, plus the periodic enrichment along this extensive linear feature warrants closer geological examination. The OL5 linear anomaly coincides with A9 enrichment on the northeast end and it is possible associated with enrichment A8 on the southwest end.

The mineralized trend extending from A1 to A7 appears to warrant more investigation along the strike of OL3 and especially in the swamp area east of A4.

Recommendations:

There is evidence that this southern and eastern area has sufficient potential to warrant a detailed geophysical survey of an equivalent type that was conducted in the northern portion.


D.L. Kings, P. Eng.
Geophysicist

A Statement of costs for Geophysical Report No. GC-127A-71-R
Covering the Chuchi Lake Property of Plateau Mines Ltd.
North of Fort St. James, B.C. 54° N.- 124° W.
August 18th, 1971

Field Crew

1 man - 25 days @ \$45.00	1,125.00	
1 man - 19 days @ 30.00	<u>570.00</u>	
		1,695.00

Transportation

781.25

Assaying - 609 Soil Samples

616.75

Misc. supplies & Living Costs

298.52

PAID FOR BY PLATEAU MINES LTD.

\$ 3,391.52

Interpretation & Report

D.L.Kings, P.Eng		
2 1/2 days @ \$120.00		300.00

Data Processing & Drafting

R.L. Reese	2 days @ \$60.00	120.00	
D.A. Craner	2 days @ 60.00	<u>120.00</u>	
			<u>240.00</u>

ELC GEOPHYSICS EXPENSES

\$ 540.00

GRAND TOTAL

\$3,931.52

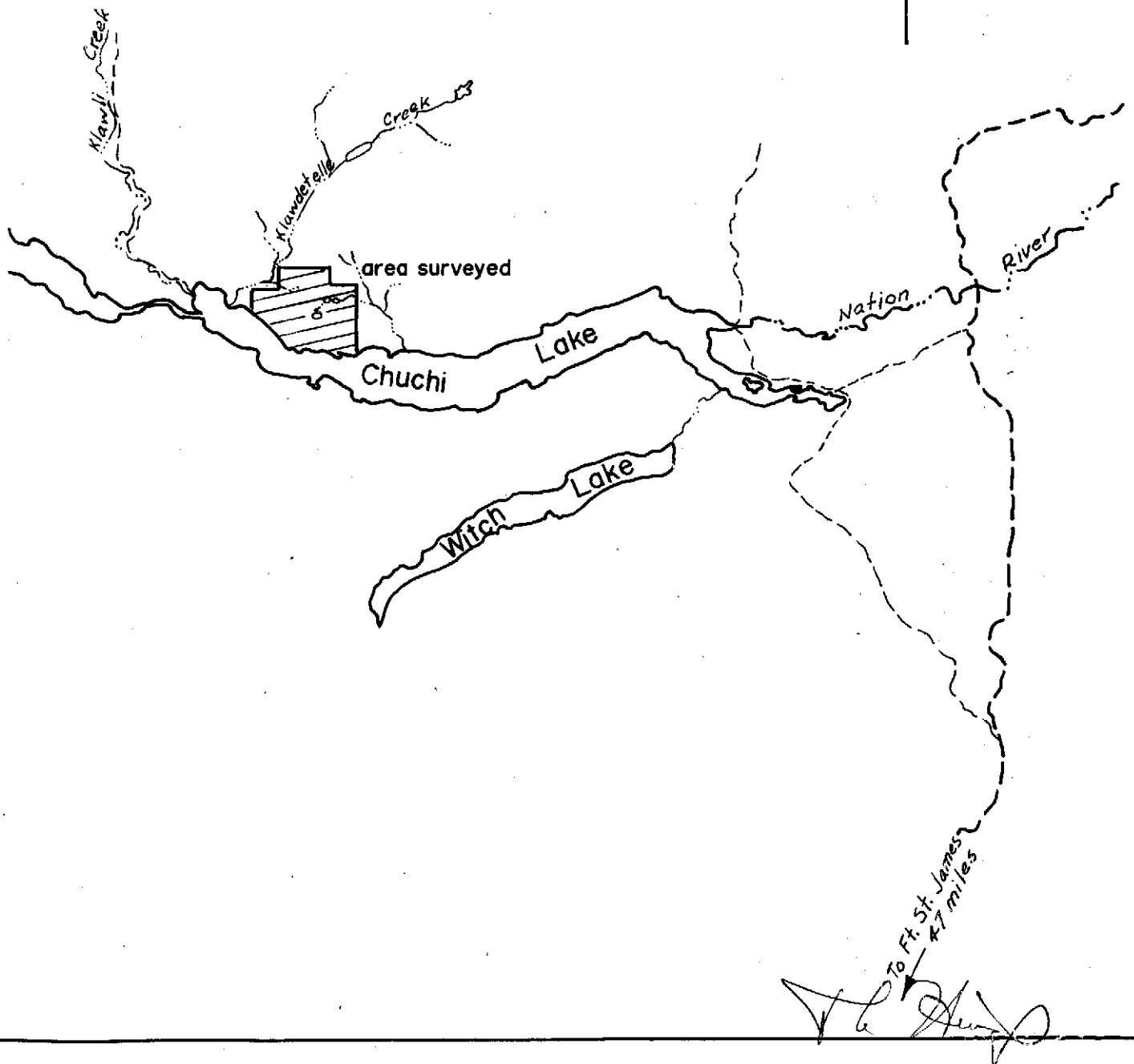
PLATEAU METALS LTD.

Location Plan

scale 1" = 4 Miles

dwg.no. GC-127A-71-R-L

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3409 MAP #3



150+00N

100+00N

50+00N

0+00



ELC GEOPHYSICAL SURVEY
 TOP, POT & GRIZ CLAIMS CHUCHI LAKE, B.C.
 PLATEAU METALS LTD.
 NOV. 1971 SCALE: 1" = 1000' DWG. NO.: GC-127A-71-R
 GEOCHEM PLAN
 APPROVED: *[Signature]*

NOTE:-
 — SURVEY LINES & STATIONS
 — SHORE LINE SWAMP
 x OUTCROP EXAMINED
 ○ GEOCHEM ANOMALY
 - - - LINEAR ANOMALY
 73 140 PPM CU

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3409 MAP #1

M-1
 3409

L100+00W L80+00W L60+00W L40+00W L20+00W 0+00 L20+00E L40+00E

150+00N

100+00N

50+00N

0+00



ELC GEOPHYSICAL SURVEY
 TOP, POT & GRIZ CLAIMS CHUCHI LAKE, B.C.
 PLATEAU METALS LTD.
 NOV. 1971 SCALE: 1" = 1000' DWG. NO.: GC-127A-71-R-C

CLAIMS PLAN
 APPROVED: *[Signature]*

NOTE:-
 — SURVEY LINES & STATIONS
 --- SWAMP
 ● CLAIM POST — CLAIM LINE

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3409 MAP #2

L100+00W

L80+00W

L60+00W

L40+00W

L20+00W

0+00

L20+00E

L40+00E