

FILE

REPORT ON
HI GROUP CLAIMS - EALUE LAKE
LAT. 57° 30' N., 129° 50' W.
OWNER: J. SCHUSSLER
BY D.H. BROWN
N.T.S. 104 H 13

REPORT ON
HI GROUP CLAIMS - EALUE LAKE

LAT. $57^{\circ} 30'$ N., $129^{\circ} 50'$ W.

OWNER: J. SCHUSSLER

BY D.H. BROWN

N.T.S. 104 H 13

Typed May, 1976

Vancouver, B.C.

HI GROUP - EALUE LAKE
N.T.S. 104-H - MAY, 1976

INDEX

	<u>PAGE</u>
Location Map	facing 1
Introduction	1
Location	1
Ore	1
Geology	1
Conclusion	2

References

Northern B.C. and Yukon Prospecting by J.J. McDougall
 Summer Activities - 1955

Assessment Report on Ealue Lake Property by D.H. Brown
 Geophysical Surveys - E.M. and Magnetometer
 November, 1975

1:250000

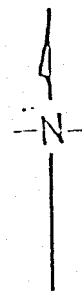
Location Map
EALUE LAKE M.C.'s

NTS 104-14-13W

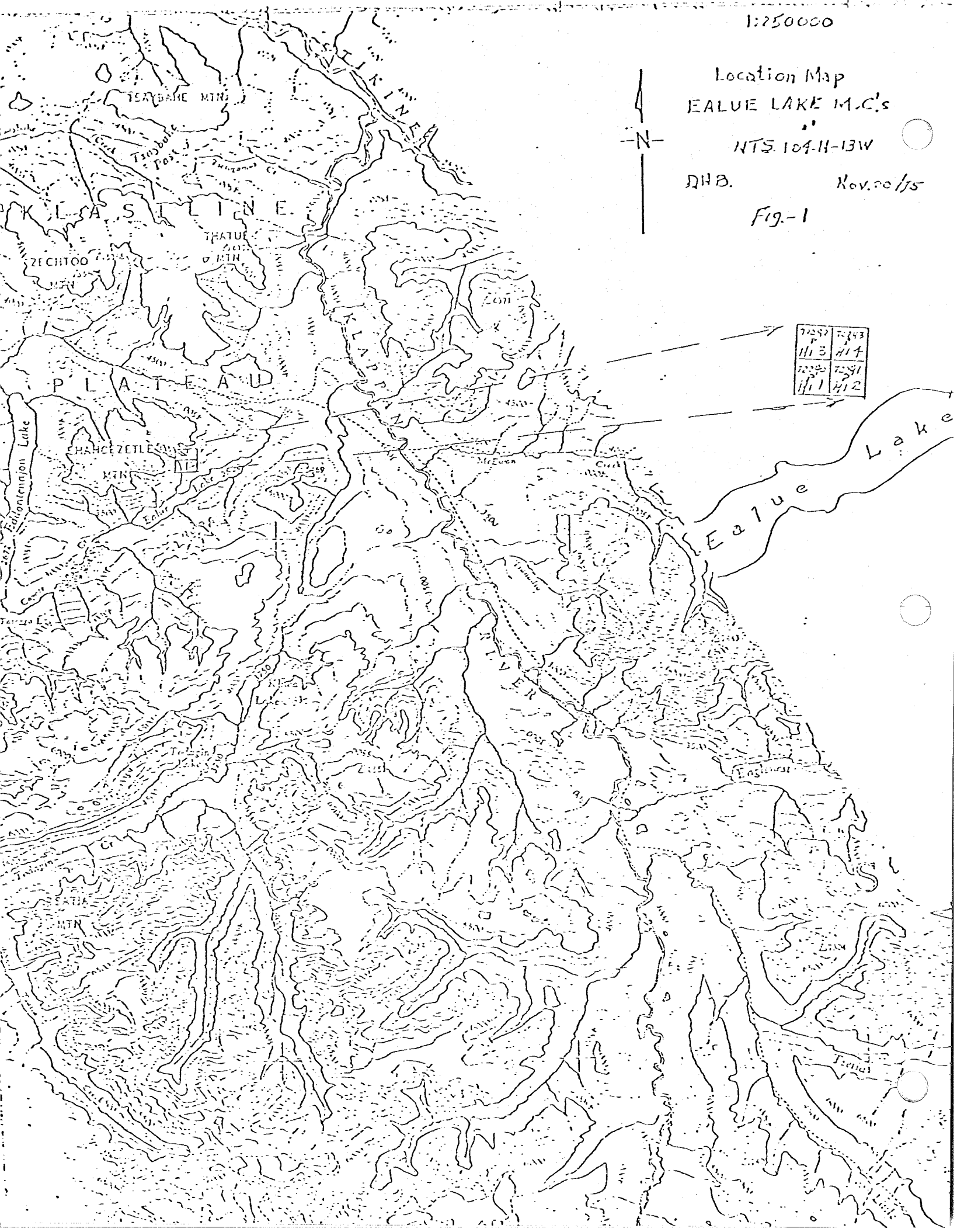
DHB.

Nov. 20/75

Fig. -1



7252	7243
113	414
7252	7241
111	412



REPORT ON
HI GROUP CLAIMS - EALUE LAKE
OWNER: J. SCHUSSLER

Introduction

The writer visited J. Schussler's Ealue Lake property May 29th and 30th at the request of J. Schussler to examine the core from two diamond drill holes being drilled currently. The request to have Falconbridge examine the current work was honouring an offer of first refusal to Falconbridge before making an offer to Texas Gulf Sulphur Corp. who have a reported porphyry copper ore deposit about three miles distant in a similar geological setting.

Location

The Hi Group of four located claims is in N.T.S. block 104-H-13 and is located one mile north of Ealue Lake along a good gravel road which connects with the village of Iskut on the Stewart-Cassiar road, 15 miles to the west and the B.C. Rly. construction area, 3 miles to the east.

Ore Copper-gold

Geology

The Hi Group claims are underlain by volcanics and meta-sediments of probable Triassic or Permian age. Siliceous limestone outcrops to the north. The mineralization (pyrite, chalcopyrite) appears to be associated with skarn zones. The best mineralized showing exhibits banded or bedded meta-sediments and/or volcanic tuffs striking N20°W and dipping 30°E. The mineralization ranges from disseminated to semi-massive pyrite-chalcopyrite over a thickness of 8ft. to 20ft.

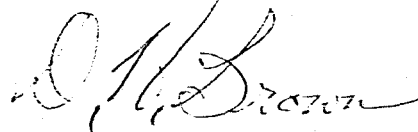
The two drill holes logged are located 600 ft. S:SE of the above showing. These holes were drilled on an EM 16 anomaly which developed as part of a geophysical survey carried out in 1975. The drill holes are vertical and -55°W. from a single setup. The verticle hole penetrated

154 ft. of altered volcanic and meta-sediments underlain by a healthy-looking feldspar porphyritic monzonite. The volcanics and meta-sediments are variously mineralized by disseminated pyrite with occasional sections of strong (to 5%) pyrite with minor chalcopyrite. A few sections of sparse sphalerite and galena mineralization were noted.

The feldspar-porphyritic monzonite is strongly silicified and mineralized by scattered pyrite. This unit was not actually seen in the angle hole but was indicated by a strongly chloritized zone that was similar to an altered zone preceding intersection of the feldspar porphyry in the verticle hole.

Conclusion

Because the T.G.S. deposit is reported to occur in the brecciated zones of a feldspar porphyry, the intersection of a similar rock-type on the Hi claim makes the property more interesting. Because feldspar porphyry is at a depth of only 150 ft., probably the best geophysical test would be an I.P. survey in order to delimit drill targets.


D.H. Brown, P. Eng.

MAP REF. No.: 119-75-19

N.T.S.: 104 H 13W

Mineral Occurrence A

Assay Value X

Fly Camp Location 

Road 

Geologic Contact 

Site Sample Location 

Soil Sample Location 

Quartz Agt.  (See also section diagram)

Possibly Anomalous

150 150
6

Anomalous

300 300
12

0

Scale: 1:50,000

FALCONBRIDGE NICKEL MINES LTD.

PROPERTY:

LOCATION: Ealue Lake

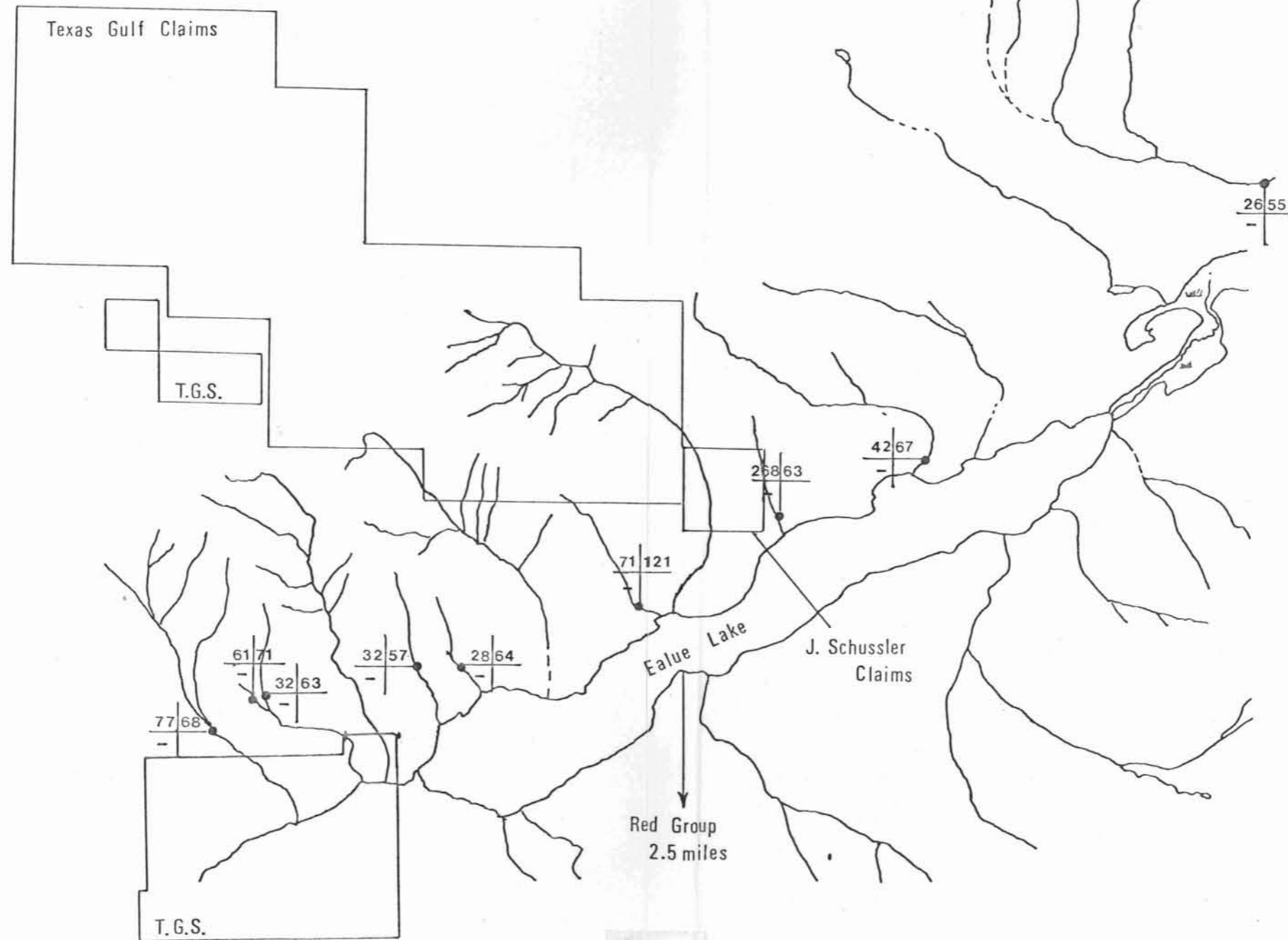
TYPE OF MAP: Geochemistry

BASED ON:

DATE OF WORK: June 75

DATE: May 76

DRAWN BY: b.m./t.j.



MAP 104 H/13 W Liard M.D.

