GROUND MAGNETOMETER SURVEY KIT 2-7, 9-11 CLAIMS SKEENA MINING DIVISION

NTS 104 B/1W 56⁰ 13.5 N 130⁰ 22' W

Owned and Operated by:

Esso Resources Canada Limited 314-1281 W. Georgia St. Vancouver, B.C.

by J.M. MARR September 1979

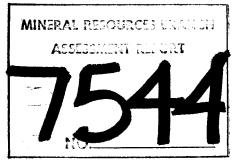


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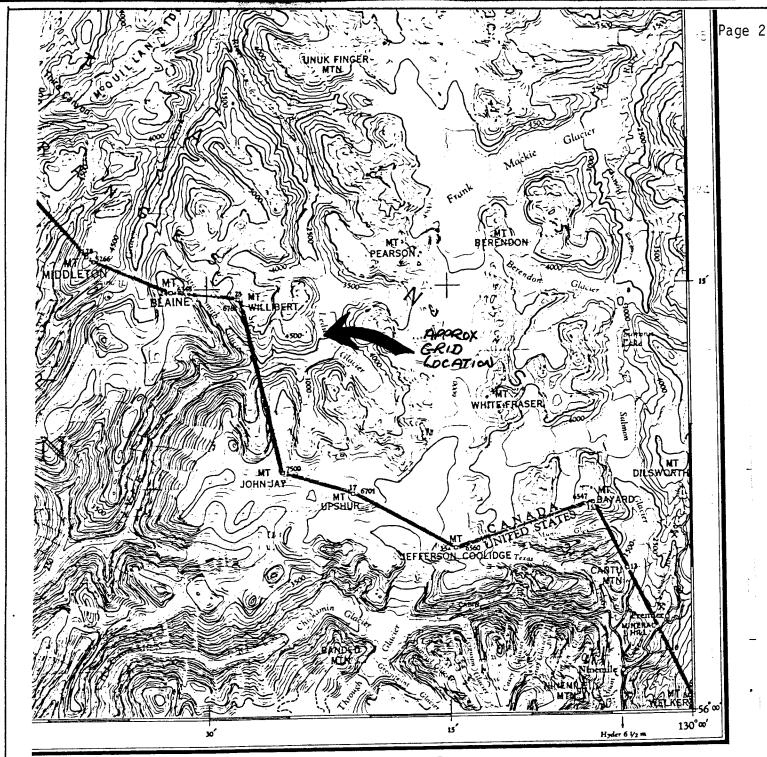
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Map 3 (In Pocket)	1:2000	Magnetometer Survey

INTRODUCTION

This ground magnetic survey is submitted in support of an application by this company for one year's assessment credits on the KIT 2-7, 9-11 claims. These claims are located in the Skeena Mining Division (see attached location map) about 2 km west of the Granduc Mine. The claims are owned by Esso Resources Canada Limited and this work was done entirely by Esso personnel.

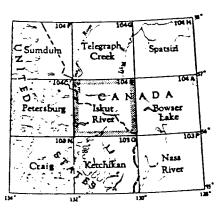
Map 2 (page 3) shows the grid established on the claims in relation both to the physiography of the area and the location of the claims. The grid, totalling 12 km overall, has a baseline oriented north-south, the starting point (0+00) being located 300 m due north of the survey point at the old camp airstrip. The grid generally covers the eastern edge of the North Leduc Glacier, a very difficult area. Progress was slow over this terrain, composed partly of crevasse-covered ice and partly of steep moraine walls flanking the glacier.



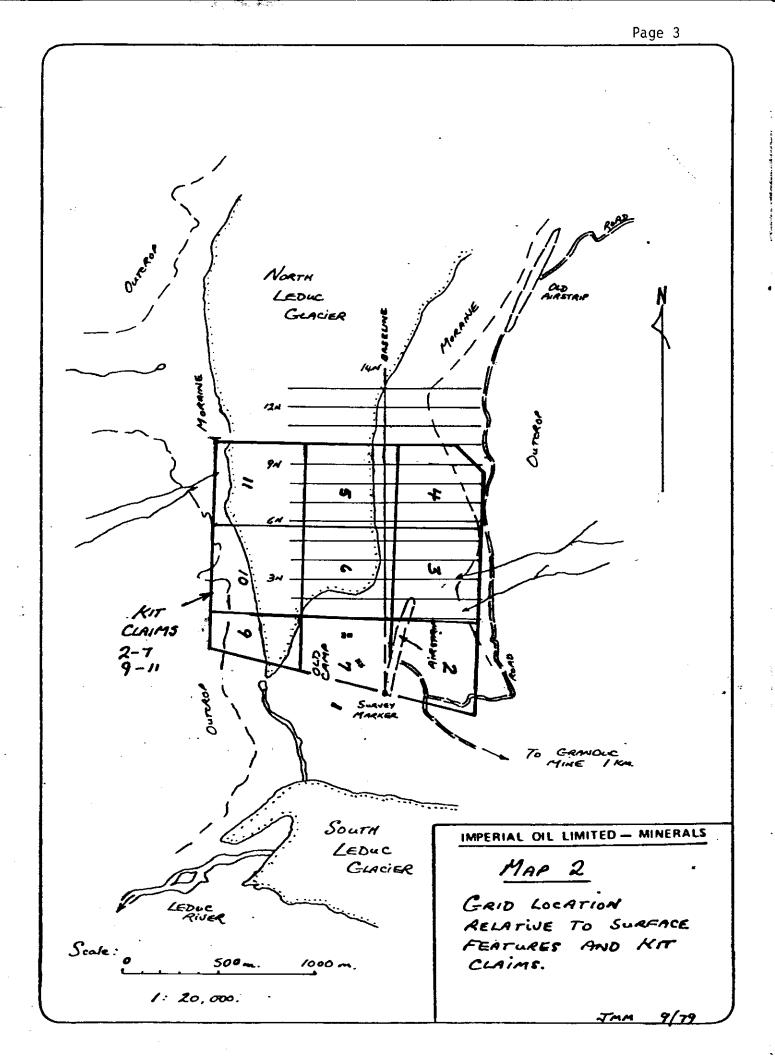
Contour Interval 500 Feet in Canada. Contour Interval in U.S.A. 200 and 250 Feet.

MAP. 1.

LOCATION OF MAGNETIC GRID AND KIT 2-7, 9-11 CLAIMS IN REGIONAL CONTEXT.



NOTE: On the above index the sheets published are shown tinted green



TECHNICAL DATA

All the work herein described was done by C. Hrkac and G. Kary, both students at the University of British Columbia, under my supervision. Both had done this type of survey previously and were thoroughly familiar with the instrument.

The grid was first established in the area using pickets and flagging then read at 25 m intervals with the M 700 Fluxgate magnetometer. The instrument was calibrated in the field, therefore the values in gammas shown in profile form on Map 3 (in pocket) are relative values only of the vertical component of the earth's magnetic field. Each reading has been corrected for diurnal variation of the earth's field. This was done by noting the time of each reading and by repeating several stations on the baseline during the day.

RESULTS

As shown on Map 3, an anomaly was obtained near the glacier/talus contact, trending approximately north-south for something in the order of 700~m.

The anomaly tends to be broad and on several lines is composed of several individual highs.

Preliminary examination of the area indicates this is a bedrock anomaly and not due to detrital concentrations of magnetite. Scattered outcrops on the talus slope near the centre of the anomaly were found to bear heavily disseminated to more massive podiform magnetite concentrations. These occurred in strongly metamorphosed actinolitic dark green andesites. No further work has yet been done on the tenor or extent of the mineralization or the regional correlation of the host rocks.

ITEMIZED COST STATEMENT

C. Hrka G. Kary	c - 6 days (- 6 days (@ \$45/day @ \$45/day	\$ 270.00 270.00
Magnetometer Rental			
1 week	@ \$10/day		70.00
Camp Costs			200 00
12 man	days @ \$25/	day	300.00

<u>Transportation</u>

Wages

One half of 5 days x 45 min.
round trip x \$300/hr.
562.50

(Note: access was daily to and from Stewart, helicopter carrying two additional men.)

TOTAL \$1,472.50

J.M. Can

STATEMENT OF QUALIFICATIONS

I, John M. Marr, of North Vancouver, B.C. hereby certify the following qualifications:

- (a) I obtained a B.Sc. (Hons.) degree in Geology (1968) from St. Andrews University, Fife, Scotland.
- (b) I obtained an M.Sc. degree in Geology (1970) from the University of Manitoba, Winnipeg, Manitoba
- (c) I have been practising my profession as a geologist in Canada since that time.

John/M. Marr

					
	X+104	x +435 +548 x +435	-154	100 E	
+	+378	X +353 + X +305	+271	-	
	x-124 x-168 x+99		+326		. •
	X+74	+240	+265 X-242 X-221		INSTRUMENT: M 700 FLUXGATE MAGNETOMETER
	x-438	+181 X+278	+77 -79 X-412		
	x-630	x-252 x+262	+64		Readings corrected for Diurnal variation
	x+128 x-687	+52 X -98 X +257	+33		
		+102 XI+198	x-124		SCALE 1:2000
	+145	+100	x-123		0 50 100 m
+	, , , , , , , , , , , , , , , , , , , ,	+218 +171 + +284	+238		
	x-704	x-42 +366	+124		ASSESSMENT REPORT
		+78	+115	GAMMA SCALE	KIT CLAIMS 2-7, 9-11
			+129	+5000 0 -5000	
	x-572 x+158 x+178	+145 +428 +428 +428 +4630	+395 -76 +282 -85		SYMBOLS
	X+16 X-83	+109 × 1 × 235	+409		Drift-covered area ::::: Rock outcrop, area of outcrop, float X (XXX) (X) Geological boundary (defined, approximate interpreted)
	-45	+244 x 189 x 12 15 x 136	+299		Bedding, tops known (horizontal, inclined, vertical, overturned, dip unknown) + > > > > > > > > > > > > > > > > > >
	+135 +84 +104	+417 x+1853 x+1853	7 +172 -88		Schistosity, gneissosity, cleavage, foliation (horizontal inclined, vertical, dip unknown) Lineation, axes of minor folds (horizontal, inclined, vertical) Drag-fold (arrow indicates plunge)
		+22 ×+5439 +2446 +2446	20 x + 133	-3 × Base Line	Fault (defined, approximate, interpreted)
+	x -252 x + 852 x + 852	+128 x +6672 +136 574 x +6360 x +4160	742 +1635 +383	x-278 + +26 x-39	Fault (solid circle indicated downthrow side, arrows indicate relative movement) Thrust fault (approximate, interpreted) Shearing and dip
	x-406 x-754 x-754	9 x+5892 x+2320	+3125 HORAINE +217	+293	Joint (horizontal, inclined, vertical, dip unknown) Syncline (defined, approximate) Anticline (defined, approximate)
	x+1891 x-773 x+197 x+3575	x+1368 x+1397 x+3742 x+6570	x+4665 x+3215	/ X + 120 X + 143	Anticline and syncline (overturned) Intensity (weak, moderate, strong)
	x-274 x-580 x+3399 x+3161	x+3568 x+4020 x+5752 x+6020 x+9520	+4075 GLACIER +1282	X+532 X+571 X+192 X+102	
	x-634 x+2588	x +8930 x +4188 x +8330 x +3496 x +7320	X+1522 X + 1462	x-167 +307 +41	Trench
	X-488 X-107	x+1605 x+5170	X+3765 X +1257	100 x +16 x +42	Adit or tunnel Rock dump or tailings Quarry or mine
	x-116	369 x+2292 x+4570 x+4080	x+2750 x+2335 x+2335	X-16 X +297 X +89	Shaft, raise, winze 🗹 🖭 🗹 Diamond-drill hole 🕜 ———————————————————————————————————
	k-33	-346 ×+938	x+1372 +11/92	+612	
+	x-372	+ 234 + 2580 + 199	+172	x +601 x -422 + 771 x +303	Contours 2500 — C.I. Stream or creek (Perennial, intermittent) — — — — — — — — — — — — — — — — — — —
		293 +519 +1505	+1595	+669 +639 +142	Lake (Lk.) Road ———— Jeep Road ————
	1-0	328	x+1365	+606 +618 x+92	Trail ===== Trees CAA
	X+145	716 X+46 X+120 X+164	49 × + 355	x-389 x-269	
	1 +140	+117	+388 +836 +587	x-407 x +378 x -305	GROUND MAGNETOMETER SURVEY
	x-507 x-140	423	x +745	X-318 X +367 X-220	Project No. 2148 Mining Division Skeena
	X+194 X-290	307	21 +654 520 x +463	+276	Latitude 56 13.5 N Longitude 130 22 E
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	383 × +88	438 +654 +505	x-230 x-16	NTS _104 B/1W
ηr	1 - 1 - 1 - 4 - 7 × - 4 - 1 7 × - 4 - 1 7	328	x + 593	$\begin{vmatrix} k-353 \end{vmatrix}$ $\begin{vmatrix} k-368 \end{vmatrix}$	To Accompany A Report By: J. Marr Dated: Sept. 4,1979 Map No
		OFFICIAL MANAGEMENT OF THE STATE OF THE STAT			