'79-#340-#7444

1979 Geophysical Assessment Report

TITLE	Tidewater Property - Induced Polarization/Resistivity and Magnetometer Surveys
CLAIMS	Tide, Tide II, Tide 2, 3, 4, 5 Crown Grants - Success, Molybdenum
COMMODITY	Mo
LOCATED	5 km west of Kitsault, B.C. Latitude 55°28'N Longitude 129°34'W Skeena Mining Division 103 P 5
BY	J.L. LeBel
FOR	AMAX Potash Limited
WORK PERIOD	June 1 - 26, 1979

AMAX VANCOUVER OFFICE

TABLE OF CONTENTS

APPENDICES

ILLUSTRATIONS

SUMMARY

An induced polarization/resistivity survey and a magnetometer survey were conducted on the Tidewater property. The property, located about 5 km west of Kitsault, B.C., is underlain by a quartz monzonite stock and a peripheral molybdenite mineralized quartz vein zone.

The induced polarization/resistivity survey detected a frequency effect low/resistivity high which, corresponds to the mapped exposure of the stock and its strong hornfels envelope. The magnetometer survey was not helpful in defining the extent of the stock or the hornfels zone.

INTRODUCTION

A 6.3 km induced polarization(IP)/resistivity survey and a 6.5 km magnetometer survey were carried out on the Tidewater property.

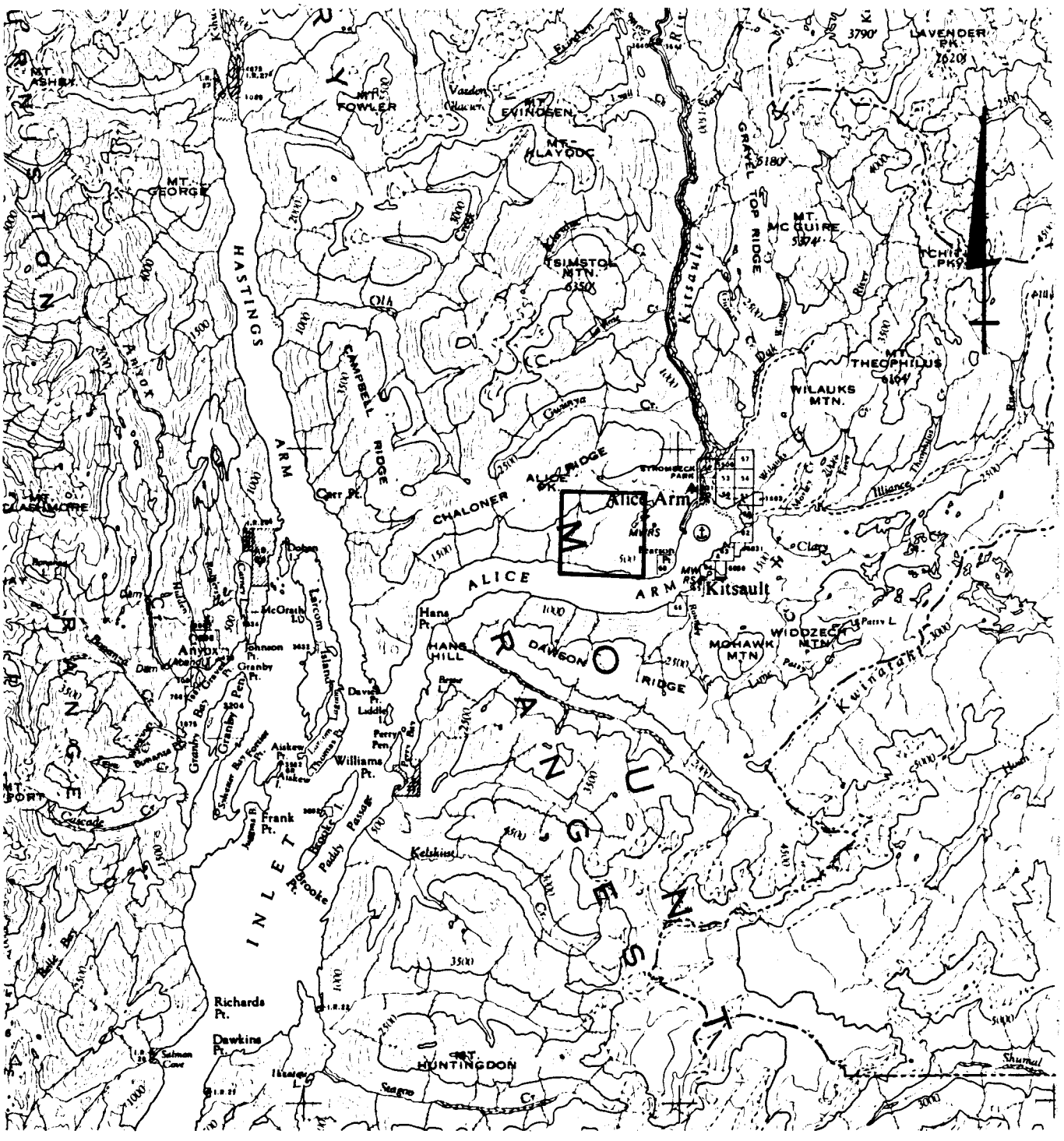
The surveys were conducted to define the size and subsurface shape of a molybdenite-bearing quartz monzonite stock and a zone of hornfels and quartz veins which surround the stock.

The Tidewater property is located about 5 km west of Kitsault, B.C. on the north side of Alice Arm in the Skeena Mining Division (Figure 1). The approximate centre of the property is 55°28'N latitude and 129°34'W longitude.

The property consists of six claims and two crown grants under option from Richard Dunn (Figure 2) as summarized below:

Claim		Recording Date	Record Number
Tide	4 units	July 20, 1977	395
Tide II	1 unit	July 20, 1977	396
Tide 2	16 units	April 18, 1979	1237
Tide 3	12 units	April 18, 1979	1299
Tide 4	9 units	April 18, 1979	1300
Tide 5	12 units	April 18, 1979	1238
Crown Grants			
Success		June 28, 1977	375
Molybdenum		June 28, 1977	374

Trans Provincial Airlines provides regularly scheduled flights between Prince Rupert and Kitsault. Access to the property from Kitsault is by helicopter or boat. There is a well marked trail from the shore of Alice Arm to the centre of the property. In 1979, Vancouver Island Helicopters Ltd. had a Jet Ranger stationed at Kitsault.



AMAX POTASH LIMITED

TIDEWATER PROPERTY

SKEENA MINING DIVISION — BRITISH COLUMBIA

LOCATION MAP

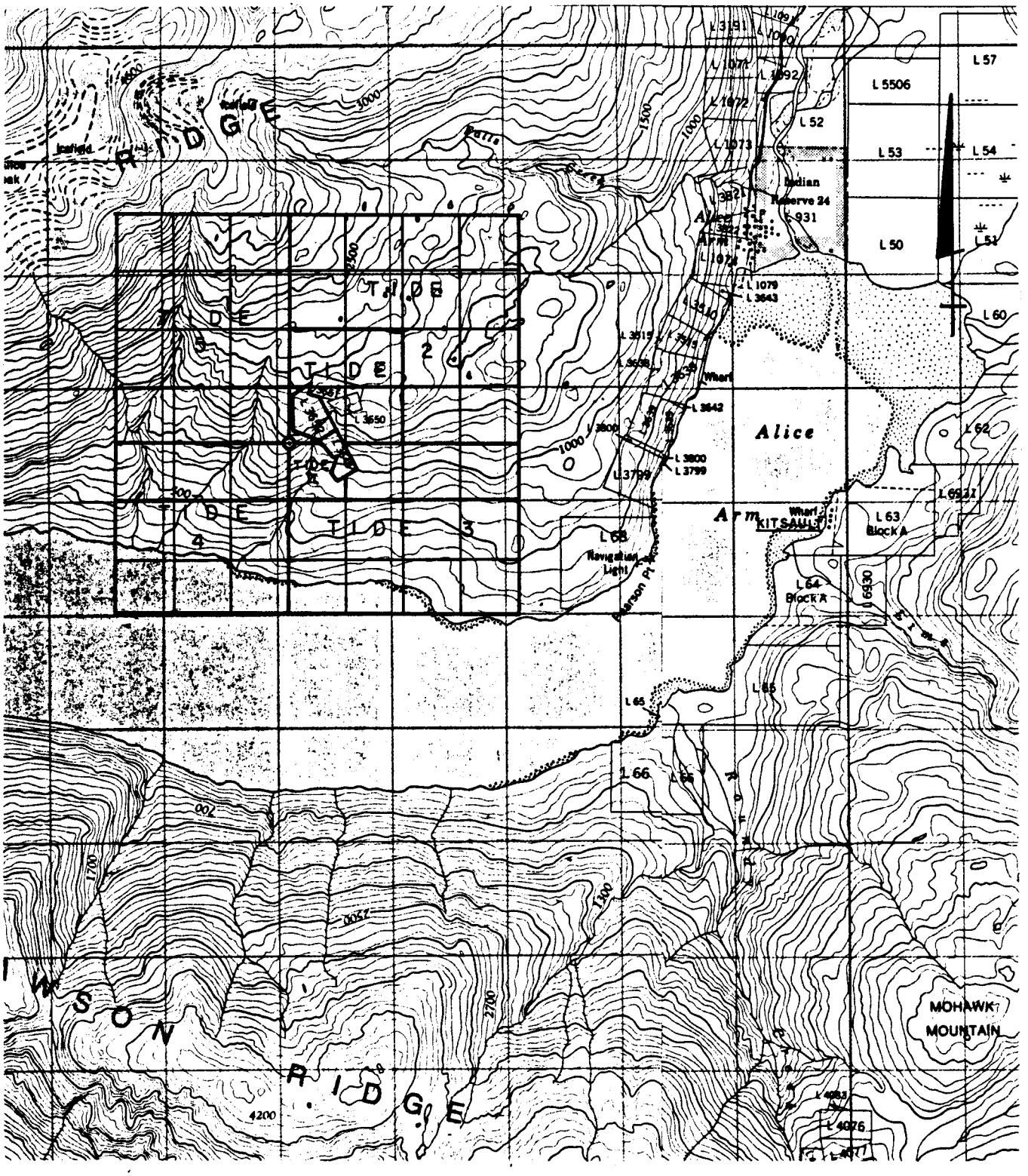
SCALE 4 0 4 KILOMETRES / MILES

2 0 2

1:250,000

N. T. S. Ref. 103P5

FIG. 1



AMAX POTASH LIMITED

TIDEWATER PROPERTY

SKEENA MINING DIVISION — BRITISH COLUMBIA

CLAIM MAP

SCALE 1000 0 1000 METRES
4000 0 4000 FEET

1 : 50,000

N. T. S. Ref. 103 P 5

FIG. 2

The IP/resistivity survey was carried out by a four man crew from Mertens and MacNeil, Geophysical Ground Surveys, 23 Meadow Crescent, Guelph, Ontario. The magnetometer survey was conducted by AMAX personnel.

Picket lines for the surveys (Figure 3) were cut by Jesmex Developments Ltd., Box 5197, Whitehorse, Yukon.

The geology of the property is summarized in Figure 3. A quartz monzonite stock which intrudes Bowser Group(?) sediments has developed peripheral zones of weak to strong hornfels. Molybdenite mineralized and barren quartz veins form a weak to locally well developed stockwork in and near the stock. A complex sheeted vein zone which strikes northeast and dips to the west occurs at the southeast end of the stock.

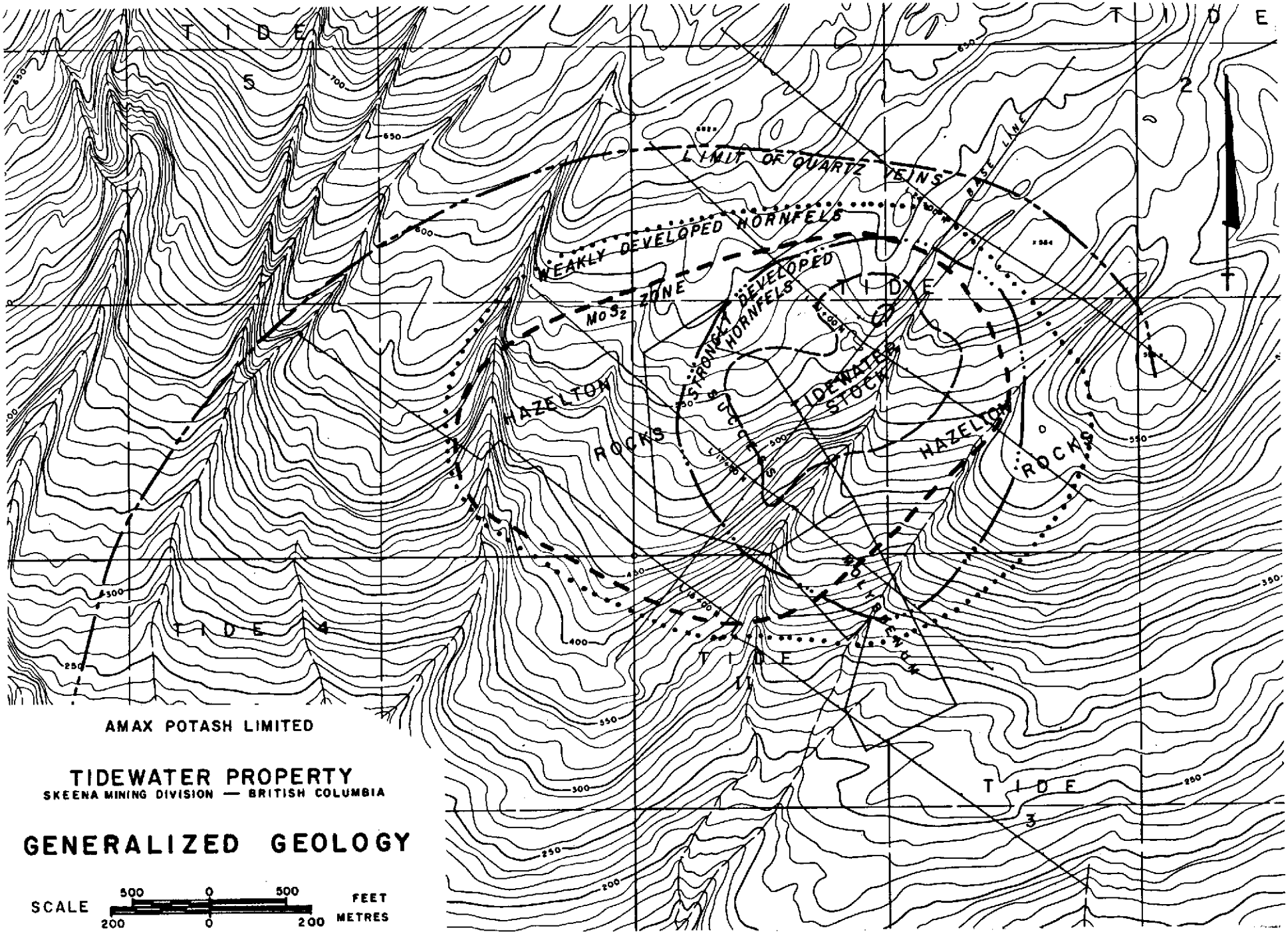
EQUIPMENT AND PROCEDURE

The IP/resistivity survey was conducted with a McPhar P660 frequency domain system. The parameters frequency effect (in %) between frequencies 0.3 and 5.0 hertz and resistivity (in ohm-m) were measured. The dipole-dipole electrode array with an electrode spacing of 100 m expanded through five separations was used.

The magnetometer survey was conducted with a Geometrics G-816 proton precession magnetometer. Readings were taken every 25 m. Diurnal variations were monitored with a Scintrex MBS-2 base station magnetometer.

PRESENTATION OF DATA

The results of the IP/resistivity survey are presented in the standard pseudosection format (Figures 4a-e) at a scale of 1:5000. The data are contoured at multiples of semi-logarithmic intervals 1, 1.5, 2, 3, 5, 7.5, 10. A schematic representation of the topography is also shown.



AMAX POTASH LIMITED

TIDEWATER PROPERTY

SKEENA MINING DIVISION — BRITISH COLUMBIA

GENERALIZED GEOLOGY

SCALE 500 0 500 FEET
200 0 200 METRES

N. T. S. Ref. 103 P 5

FIG. 3

Because of the wide spacing of the lines the magnetic data is presented in profile on the IP/resistivity pseudo-sections with a vertical scale 1 cm = 200 gammas. Readings are annotated along the bottom of the profile.

RESULTS

A zone of low frequency effects (5% - 7%) and high resistivities (2000 ohm-m to 5000 ohm-m) surrounded by high frequency effects (greater than 10%) and low resistivities (less than 2000 ohm-m) occurs on the property. The zone is crudely elliptical, elongated in a direction 45 degrees to the base line with dimensions 900 m by 500 m at its widest point.

The northern boundary of the zone occurs at 22N on the base line where the results suggest the contact dips to the south. At the south end of the base line the contact is not well defined but increasing frequency effects and decreasing resistivities suggest the boundary was partially crossed by the survey.

On Line 15N relatively high frequency effects (8% - 13%) throughout the section suggest the line is south of the low frequency effect high resistivity zone registered on the base line. The resistivities are influenced by topography and in an uncorrected state provide little insight as to whether high resistivities continue to the south.

On Line 1750N the contact separating the zone of low frequency effects and high resistivities to the west from high frequency effects and low resistivities to the east occurs at 4E. The frequency effect section suggests the contact dips to the west. A gradual increase in frequency effects and decrease in resistivities at the west end of Line 1750N suggests that the contact occurs just west of the end of the coverage or that there is a transitional zone between the two domains.

On Line 21N, there is a distinct boundary at 3W between the low frequency effect/high resistivity and high frequency effect/low resistivity zones. Low frequency effects and high resistivities are seen to persist to the extent of the coverage at the east end of the line.

On Line 24N, the frequency effects remain high throughout the section except for a few isolated zones with frequency effects less than 10% and resistivities greater than 2000 ohm-m. The intense resistivity low at the east end of the line is caused by the steep slope between 350E and 450E.

The magnetometer survey area is characterized by numerous narrow 100 to 800 gamma anomalies. On the base line, the most active magnetic variations between 15N and 19N occur at the south edge of the frequency effect low/resistivity high. Uniform readings between 57,500 and 57,550 gammas recorded north of 22N over the zone of high frequency effects/low resistivities on the base line are not repeated by the results from Line 24N.

A series of anomalies between 1W and 1E on Line 1750N and 150W and 150E on Line 15N demonstrate that magnetic activity occurs both within and outside the zone of low frequency effects/high resistivities.

Anomalies at 21N, 100W; 1750N, 075W; 15N, 250E have similar characteristics but the wide line spacing discourages attributing them to a single source.

DISCUSSION OF RESULTS

The zone of low frequency effect/high resistivity approximately outlines the extent of the quartz monzonite stock and its surrounding strongly developed hornfels zone.

The high frequency effects/low resistivities reflect more distal weakly hornfelsed argillites.

The IP effects in the weakly hornfelsed argillites probably result from both indigenous and introduced polarizeable material. The lower IP effects in the strongly developed hornfels indicate a depletion in total polarizeable material in the argillites close to the stock, compared to relatively unaltered argillites further away.

The elongation of the frequency effect low/resistivity high in a direction 45 degrees to the base line is dissimilar to the elongation of the stock parallel to the base line. On the base line a portion of the stock between 21N and 2250N is outside the frequency effect low/resistivity high. Since the contact of the frequency effect low/resistivity high seems to dip to the south, it is possible that the stock between 21N and 2250N is a wedge too thin to affect the IP/resistivity measurement. The survey shows that the frequency effect low/resistivity high extends northeast beyond the limits of the stock on Line 21N although no intrusive or strong hornfels have been identified.

The results of the IP/resistivity survey on the Tidewater property are similar to results obtained from the Bell Molybdenum property east of Kitsault. However, at Bell Molybdenum only the stock produced a frequency effect low/resistivity high, the results did not distinguish between the surrounding hornfels zone and unaltered argillite.

The scattered magnetic anomalies are attributed to narrow near surface sources. Anomalies at 24N, 525W; 21N, 100W; 15N, 025W; and BL 1625N reflect basic dykes. The results suggest that many more dykes may be present and that they form a definite cluster at the south end of the frequency effect low/resistivity high.

Other variations in the magnetic field are attributed to changes in rock type and/or pyrrhotite content but no distinction can be made between the weak and strong hornfels on the basis of magnetic characteristics. The stock itself does not produce a diagnostic magnetic response.

CONCLUSIONS

The IP/resistivity survey outlined a zone of low frequency effects and high resistivities which more or less coincides with a quartz monzonite stock and its peripheral strong hornfels zone. The zone continues northeast of the exposed limits of the stock.

The magnetometer survey detected a number of narrow anomalies attributed to basic dykes. The results were not helpful in defining the limits of the stock or the hornfels zone.

Aug. 21, 1979

J.L. LeBel

J.L. LeBel

APPENDIX I - STATEMENT OF COSTS

Tidewater

Period of Work June 1 - 26, 1979

Summary of Work Linecutting, Induced Polarization Resistivity Survey and Magnetometer Survey

Salaries

J.L. LeBel, Geophysicist, 601-535 Thurlow Street, Vancouver 4 days @ $112.90/day	$ 451.60
Linecutting - Jesmex Developments Ltd. Box 5197, Whitehorse, Y.T. 7.1 km	1,597.50
I.P. Resistivity Survey - Mertens MacNeil, 23 Meadow Crescent, Guelph, Ontario N1H 6V1	4,338.77
Magnetometer - Rental 5 days @ $15.00/day	75.00
- Base Station Rental 5 days @ $35.00/day	175.00
Transportation - Trans-Provincial Airlines Ltd. Prince Rupert, B.C.	
Inv. #696,697,245,894,57853,57999,58000,57783	1,558.20
- Vancouver Island Helicopters Ltd. Sidney, B.C.	
Inv. #18108-18110,18112,18114,18115,18097,18098	1,610.50
Report Preparation and Drafting	300.00
TOTAL	$10,106.57

APPENDIX II

STATEMENT OF QUALIFICATIONS

NAME: J. LAURENCE LEBEL

ADDRESS: 3136 West 7th Ave
Vancouver, B.C.
V6K 2A1

EDUCATION: B.Sc. (1971) Queen's University - Geological Engineering - Geophysics Option

M.Sc (1973) University of Manitoba - Geophysics

EXPERIENCE:

5/70-9/70 - Amax Exploration, Inc. Vancouver, B.C.
- conducting and compiling magnetometer surveys

5/71-9/71 - Amax Exploration, Inc. Toronto, Ont.
- conducting and reporting on IP/resistivity surveys

5/72-12/72- Gulf Minerals, Toronto, Ont.
- senior geophysical operator
- conducting and reporting on magnetometer electromagnetic and scintillometer surveys

3/73-12/73- Scintrex Surveys, Concord, Ont.
- Junior Geophysicist
- conducting, supervising of and reporting on airborne magnetometer and electromagnetic surveys, ground electromagnetic and IP/resistivity surveys

4/74 - - AMAX Potash Limited, Toronto & Vancouver
- Staff Geophysicist

APPENDIX III - CONTRACTOR'S INVOICES

JESMEX DEVELOPMENTS LTD.

Box 5197, Whitehorse, Yukon Y1A 4S3 667-7495

AMAX

DATE JUNE 21, 1979

TO:

AMAX MINERALS EXPLORATION
601-535 THURLOW STREET
VANCOUVER, B.C.
V6E 3L6

RECEIVED
JUL 3 1979
VANCOUVER OFFICE

ADD & EXT CORRECT Joan B Mcanu
APPROVED DATE 4/4/79

Project Number	Group Code	Activity Code	Account Class	Sub Class	Amount

DETAILS	DEBIT	CREDIT	BALANCE
RE: LINECUTTING ON TIDEWATER PROPERTY			
TOTAL of 7.1 KM of LINE CUT and STATIONS ESTABLISHED AND IDENTIFIED BY MARKED PICKETS AT 50 metre INTTERVALS.	971 -	= 82830 -	159250
TOTAL 7.1 km. @ 225.00 per km.....		CK 1826 6 JUL 4 - 1979	1597.50

D. Allen
Project 971

Joan

INVOICE

Mertens MacNeil

Geophysical Ground Surveys

Invoice #3
Tidewater Project
Alice Arm B.C.

June 19 to and including June 26, 1979

Operating.....	5 days @ $450.00 Per day	$2250.00
Travel	3 days @ 310.00 per day	930.00
		$3180.00

Expenses:

Hotel and Meals (Kamloops)	249.95
Prince George.....	133.90
Prince Rupert.....	113.60
	139.95
Groceries.....	312.57
Gas.....	71.40
Lunch	30.00
Masking Tape.....	2.06
Total	$1053.43
+ 10%	105.34
	$1158.77
Total	$4338.77

ADD & EXT CORRECT

APPROVED DATE 7/20/79

PROJECT	ACCOUNT CLASS	SUB CLASS	AMOUNT
971	8682		3180.00
971	8684		1,158.77
			4338.77

Approved J. L. LeBel

Cook MacNeil

CK. 18367 JUL 20 1979

23 Meadow Cres., Guelph, Ontario N1H 6V1 • R.R. #2 Christmas Island, C.B., Nova Scotia B0A 1C0

283 9200 183696 4

AUDIT COUPON

TRANS-PROVINCIAL AIRLINES LTD.

SUBJECT TO CONDITIONS OF CONTRACT ON BACK COVER

BAGGAGE | RESERVATIONS — FLIGHT, DATE, TIME, STATUS

FROM / TO — Kitsault

VANCOUVER OFFICE JUN 25 1979

VOID

FORM OF PAYMENT chg

ENDORSEMENTS 971

RECONFIRM! AT LEAST 6 HOURS PRIOR TO SCHEDULED FLIGHT DEPARTURE

NAME OF PASSENGER Balsam — NOT TRANSFERABLE

AMAX

283 9200 166245 4

AUDIT COUPON

TRANS-PROVINCIAL AIRLINES LTD.

VANCOUVER OFFICE

FROM Kitsault TO YPR

FARE 4700

FORM OF PAYMENT chg

VOID

CK 18412 AUG 2 1979 971

RECONFIRM! AT LEAST 6 HOURS PRIOR TO SCHEDULED FLIGHT DEPARTURE

NAME OF PASSENGER LEBEL — NOT TRANSFERABLE

---

283 4500 010894 0

TRANS-PROVINCIAL AIRLINES

DECLARED VALUE

VALUATION CHARGE On Above Declared Value

PREVIOUSLY PD. VAL. CHGE.

BALANCE OF VAL. CHGE.

TOTAL WEIGHT 210 lbs.

FREE ALLOWANCE 80 lbs.

EXCESS WEIGHT 130 lbs.

EXCESS WT. CHGE. @ .24

TOTAL CHARGES 31.20

TAX

TOTAL PAYMENT

PASSENGER TICKET FORM AND No. 136697

FORM OF PAYMENT chg

PLACE AND DATE OF ISSUE — VANCOUVER OFFICE JUN 25 1979

FROM YPR TO

Void

---

283 9200 1?3697 5

AUDIT COUPON

TRANS-PROVINCIAL AIRLINES LTD.

SUBJECT TO CONDITIONS OF CONTRACT ON BACK COVER

VANCOUVER OFFICE JUN 25 1979

TO Kitsault

VOID

FORM OF PAYMENT chg

ENDORSEMENTS 971

RECONFIRM! AT LEAST 6 HOURS PRIOR TO SCHEDULED FLIGHT DEPARTURE

NAME OF PASSENGER Martel — NOT TRANSFERABLE

AMAX

Trans-Provincial Airlines Ltd.

CHARTER AND CONTRACT TICKET

Flt. Report Number | Invoice Number JUL 1 1979

Charge to: Amax Exploration — VANCOUVER OFFICE

Date 26 Jun 79	Cash CHG	Phone	
A/C Type Goose	CF- UMG	Warrant or Reg. No.	
Base	Pilot G. P. Storey		

From: YPR To (1) Kitsault

To (2) YPR To (3)

To (4) To (5)

FARE 180 Miles @ $2.00 — $ 360.00

Hours @ $

Contract Rate

Waiting Time @ $

Extra Landings @ $

Pilot Expenses

Other

TOTAL CHARGES $360.00

Authorized By [signature] 971

THIS TICKET IS EXPRESSLY SUBJECT TO THE CONDITIONS AND TERMS PRINTED ON THE REVERSE SIDE OF TICKET AND WHICH ARE HEREBY ACCEPTED (PASSENGERS' SIGNATURES)

1 McNEIL / J — 7 Pickup 4 Pass
2 PROBIS / J — 8 + 1400 # FRT.
3 POURIER / J — 9
4 Brown D. — 10
5 — 11 CK 18412 AUG 2 1979
6 — 12

№ 57853

"PASSENGER LIABILITY LIMITS NOW IN ACCORDANCE WITH PUBLISHED CHARTER TARIFF"

AMAX

Trans-Provincial Airlines Ltd.

Flt. Report Number | CHARTER AND CONTRACT TICKET | Invoice Number JUL 17 1979

Charge to: AMAX EXPLORATION

VANCOUVER OFFICE

Date JUNE 21/79 | Cash | Phone

A/C Type BN1 | CF- KDC | Warrant or Reg. No.

Base YPR | Pilot B STACHE

From: YPR To (1) KITSAULT

To (2) YPR To (3)

To (4) To (5)

FARE 180 Miles @ $ 1.70 $ 306.00

Hours @ $

Contract Rate

Waiting Time @ $

Extra Landings @ $

Pilot Expenses

Other

TOTAL CHARGES $ 306.00

Authorized By W. Allen Project 971

THIS TICKET IS EXPRESSLY SUBJECT TO THE CONDITIONS AND TERMS PRINTED ON THE REVERSE SIDE OF TICKET AND WHICH ARE HEREBY ACCEPTED (PASSENGERS' SIGNATURES)

1 7

2 8

3 9 1841 2 AUG 2 - 1979

4 10

5 11

6 12

№ 51999

"PASSENGER LIABILITY LIMITS NOW IN ACCORDANCE WITH PUBLISHED CHARTER TARIFF"

AMAX

Trans-Provincial Airlines Ltd.

Flt. Report Number | CHARTER AND CONTRACT TICKET | Invoice Number JUL 17 1979

Charge to: AMAX EXPLORATION

VANCOUVER OFFICE

Date JUNE 21/79 | Cash | Phone

A/C Type G21 | CF- UMG | Warrant or Reg. No.

Base YPR | Pilot R RAMSAY

From: YPR To (1) KITSAULT

To (2) YPR To (3)

To (4) To (5)

FARE 180 Miles @ $ 2.00 $ 360.00

Hours @ $

Contract Rate

Waiting Time @ $

Extra Landings @ $

Pilot Expenses

Other

TOTAL CHARGES $ 360.00

Authorized By W. Allen Project 971

THIS TICKET IS EXPRESSLY SUBJECT TO THE CONDITIONS AND TERMS PRINTED ON THE REVERSE SIDE OF TICKET AND WHICH ARE HEREBY ACCEPTED (PASSENGERS' SIGNATURES)

1 7

2 8

3 9 1841 2 AUG 2 - 1979

4 10

5 11

6 12

№ 58000

"PASSENGER LIABILITY LIMITS NOW IN ACCORDANCE WITH PUBLISHED CHARTER TARIFF"

Trans-Provincial Airlines Ltd.

Flt. Report Number | CHARTER AND CONTRACT TICKET | Invoice Number

Charge to: AMAX EXPLORATION

Date 13 Jun 79 | Cash HG | Phone

A/C Type Goose | CF- UMG | Warrant or Reg. No.

Base YPR | Pilot Barry St Onge

From: YPR To (1) Kitsault

To (2) YPR To (3)

To (4) To (5)

FARE 180 Miles @ $ 2.00 $ 360.00

Hours @ $

Contract Rate

Waiting Time @ $

Extra Landings @ $

Pilot Expenses

Other

TOTAL CHARGES $ 360.00

Authorized By Colin M. Graham

THIS TICKET IS EXPRESSLY SUBJECT TO THE CONDITIONS AND TERMS PRINTED ON THE REVERSE SIDE OF TICKET AND WHICH ARE HEREBY ACCEPTED (PASSENGERS' SIGNATURES)

1 7

2 OK 18250 JUN 23 1979 8

3 9

4 10

5 11

6 12

№ 57783

"PASSENGER LIABILITY LIMITS NOW IN ACCORDANCE WITH PUBLISHED CHARTER TARIFF"

VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

ATAC MEMBER

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

CONTRACT: Amax Exploration AMAX
ADDRESS: 601-535 Thurlow Ave, Vancouver, B.C.

RECEIVED JUL 5 1979 VANCOUVER OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 24 1979	Kitsault

TIME OFF	TIME	REMARKS
835	905	set out I.P. crew from Tidewater. gas at Kitsault
		Att P. Stocker #971

CK 18317 JUL 13 1979

TOTAL — .5 VIH FUEL 12 gal HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18112	C. Allen	[signature]

0.5 HRS. @ $350.00 = 152.50
12.0 GALS. @ $1.50 = 18.00

VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

CONTRACT: Amax Exploration
ADDRESS: 601-535 Thurlow Ave, Vancouver, B.C.

[stamp] 6 1979 ... OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 23 1979	Kitsault

TIME OFF	TIME	REMARKS
0830	1535	Set out I.P. crew to tidewater ½ 971
		3 para staking near Shishalidat Ck.
		Geology samples in Hastings Arm.
		½ 998
		Att P. Stocker #971 988

CK 18317 JUL 13 1979

TOTAL 2.8 VIH FUEL 68 gals HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18110	C. Allen	[signature]

0.3 HRS. = 91.50
8.0 GALS = 12.00

VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

CONTRACT: Amax Exploration
ADDRESS: 601-535 Thurlow Ave, Vancouver, B.C.

RECEIVED JUL 6 1979 VANCOUVER OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 22 1979	Kitsault

TIME OFF	TIME	REMARKS
0430	1715	Move I.P. crew + gear to field location ½ 971
		3 para on staking job in area near Shishalidat Ck. + Alaska Ck. ½ 998
		Att P. Stocker #971 998

TOTAL 2.4 VIH FUEL 58 gals HRS.

CK 18317 JUL 13 1979

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18109	C. Allen (W) 998	[signature]

0.3 HRS. = 91.50
8.0 GALS. = 12.00

VANCOUVER ISLAND HELICOPTERS LTD.
P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

AMAX

CONTRACT: Amax Exploration
ADDRESS: 601-535 Thurlow Ave. Vancouver B.C.

RECEIVED JUL 6 1979 VANCOUVER OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 21 1979	Kitsault

TIME OFF	TIME	REMARKS
1830	1950	3 pass + gear from Tidewater to Kitsault, J. Graham crew. 3 trips
		2 pass + gear from Kitsault to Tidewater. 2 sling - 2 trips - Ⓐ E. Helm - to camp
		CK 18317 JUL 13 1979
		Att P. Stalker #971
TOTAL 1.0		VIH FUEL 24 gal HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18108	D. Allen Proj #971	[signature]

1.0 HRS. = 305.00
24.0 GALS. = 36.00

VANCOUVER ISLAND HELICOPTERS LTD.
P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

CONTRACT: Amax Exploration AMAX
ADDRESS: 601-535 Thurlow Ave. Vancouver

RECEIVED JUL 6 1979

AIRCRAFT	DATE	BASE
VIJ	June 13 1979	Kitsault

TIME OFF	TIME	REMARKS
1840	1855	2 pass + gear for J. Graham crew to Tidewater camp.
		CK 18317 JUL 13 1979
		Att. P. Stalker Job #971.
TOTAL -.3		VIH FUEL 8 gal HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18098	D. Allen.	[signature]

0.3 HRS = 91.50
8.0 GALS = 12.00

VANCOUVER ISLAND HELICOPTERS LTD.
P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE — CUSTOMER'S COPY

AMAX

CONTRACT: Amax Exploration
ADDRESS: 601-535 Thurlow Ave. Vancouver B.C.

RECEIVED JUL 6 1979 VANCOUVER OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 13 1979	Kitsault

TIME OFF	TIME	REMARKS
0930	1010	J. Graham + 2 pass + 2 sling loads to Tidewater camp.
		CK 18317 JUL 13 1979
		Att P. Stalker Job #971
TOTAL -.7		VIH FUEL 20 gal HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18097	D. Allen	[signature]

0.7 HRS. = 213.50
20.0 GALS. = 30.00

VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095, SIDNEY, BRITISH COLUMBIA V8L 3S6
TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE – CUSTOMER'S COPY

CONTRACT: Amax Exploration

ADDRESS: 601-535 Thurlow Ave
Vancouver, B.C

AIRCRAFT	DATE	BASE
VIJ	June 26 1979	Kitwanga

TIME OFF	TIME	REMARKS
855	1133	1pax trip to Telkwa
		crew retour at Telkwa
		I.F. crew to Kitwanga
		1pax to Telkwa
		Att. P Stocker
		#971
		CK 18317 JUL 13 1979
TOTAL 1.3		VIH FUEL 30 gal. HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18115	D Allen 971	G Shannon

1.3 HRS = 396.50
30.0 GALS = 45.00

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TELEPHONE (604) 656-3987

DAILY FLIGHT INVOICE – CUSTOMER'S COPY

CONTRACT: ~~AMAX~~ Amax Exploration

ADDRESS: 601-535 Thurlow Ave.
Vancouver, B.C.

RECEIVED JUL 6 1979 VANCOUVER OFFICE

AIRCRAFT	DATE	BASE
VIJ	June 25 1979	K. Stanwanga

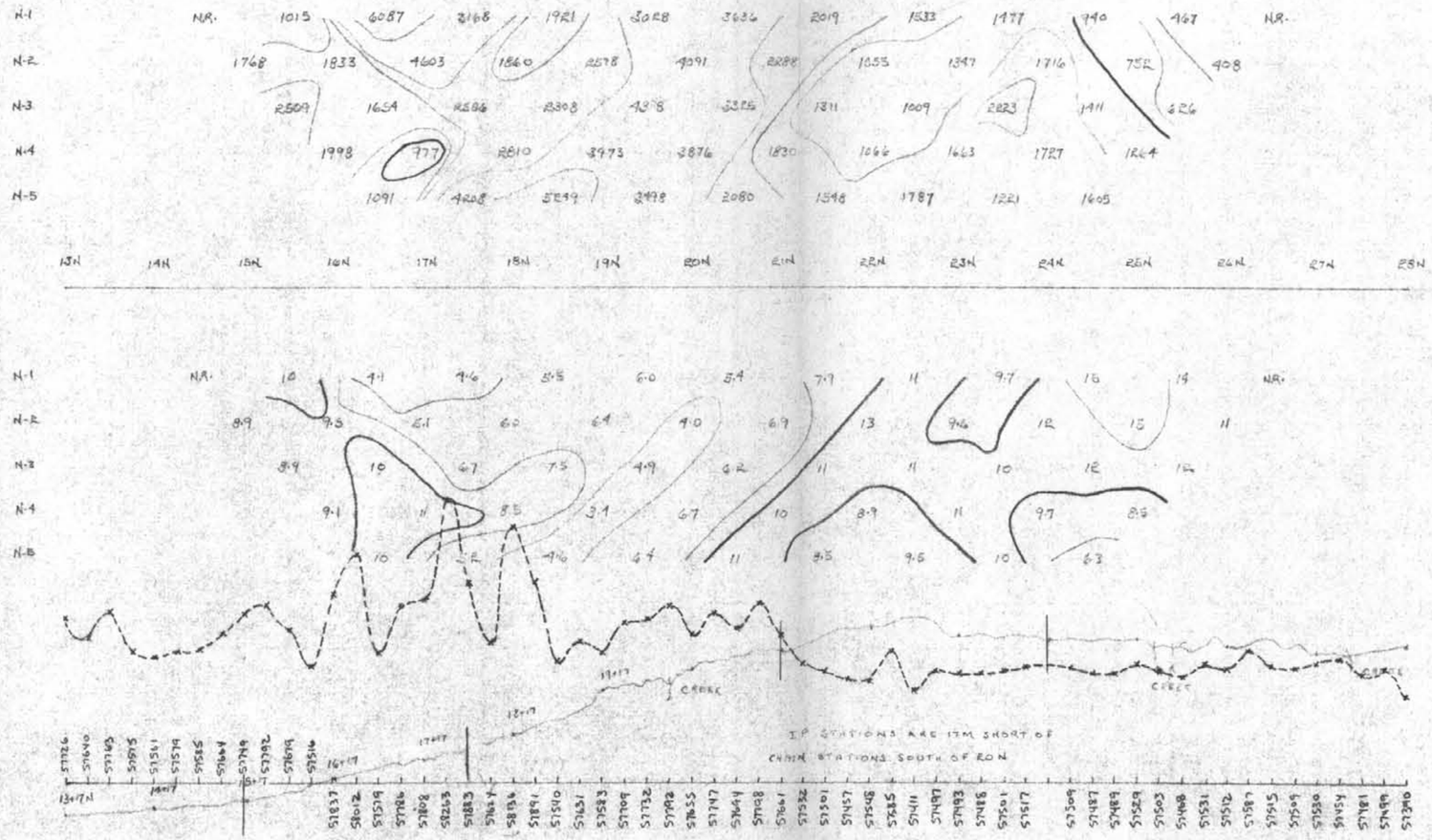
TIME OFF	TIME	REMARKS
0830	0845	1pax to + ret Smithstanwanga
		retour I.F. crew
		Att. P Stocker
		#971
TOTAL .3		CK 18317 JUL 13 1979 FUEL 8gals HRS.

TERMS: NET 30 DAYS. INTEREST AT 1½% PER MONTH (18%) PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

INVOICE NUMBER	SIGNATURE	PILOT
18114	D Allen	G Shannon

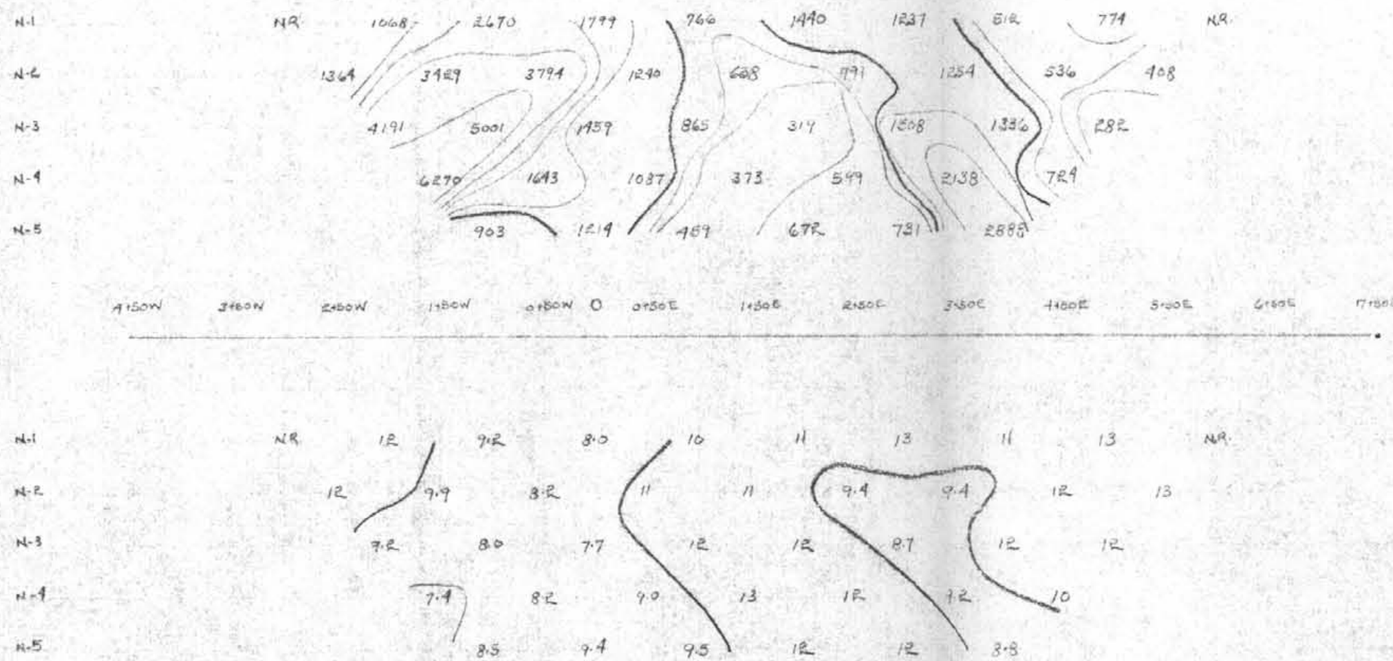
0.3 HRS. = 91.50
8.0 GALS. = 12.00

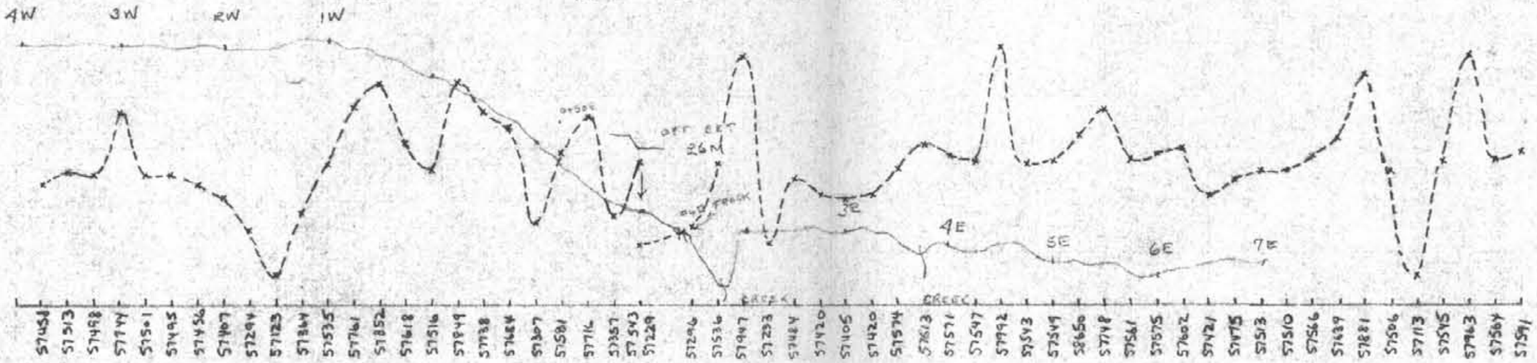


AMAX MINERALS EXPLORATION
TIDEWATER ALICE ARM B.C.
H.P. I.P. SURVEY ☐ DIPOLE ☐ DIPOLE
SCALE: 1CM = 100M SPREAD: 100M
FREQ: 0.3 & 3 HZ.
LINE: B.L.
DATE: JUNE 29, 1979
OPERATOR: J. MAC NEIL

Fig 4a

J.L. LeBel
Aug. 21, 1979





Mag.

Fig. 4b

J.L. LeBel

Aug. 21, 1979

Eo

F.E.

AMAX MINERALS EXPLORATION

TIDEWATER ALICE ARM, B.C.

H.P. I.P. SURVEY ☐ IPOLE ☐ IPOLE

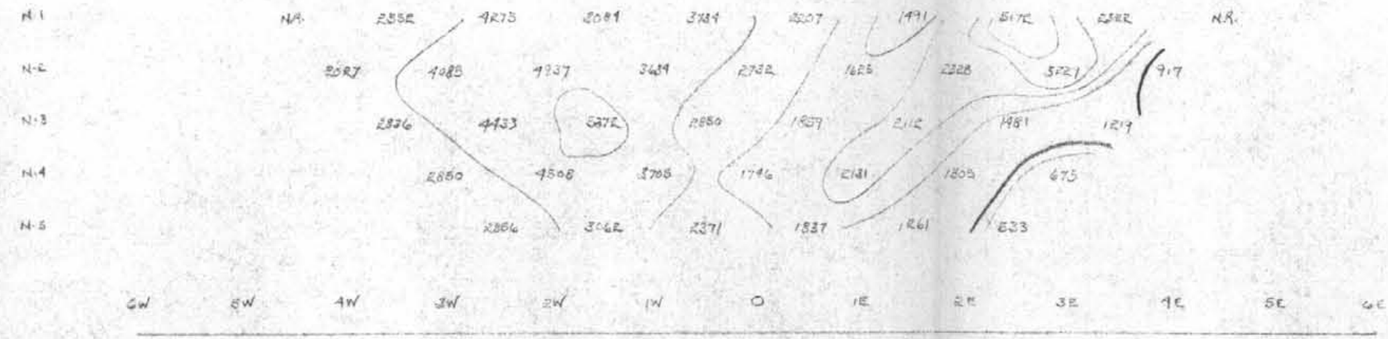
SCALE: 2CM = 100M SPREAD = 100M

FREQ: 0.345 HZ

LINE: 15N

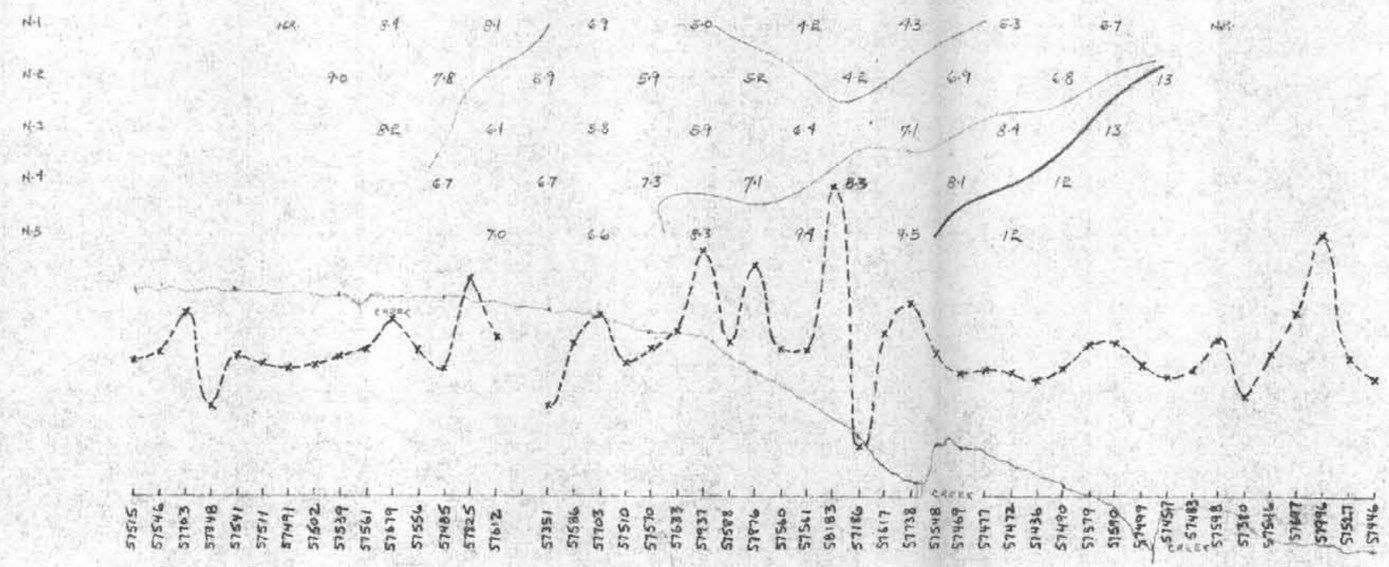
DATE: JUNE 26, 1979

OPERATOR: J. MAC NEIL



ρ_a (ohm-m)

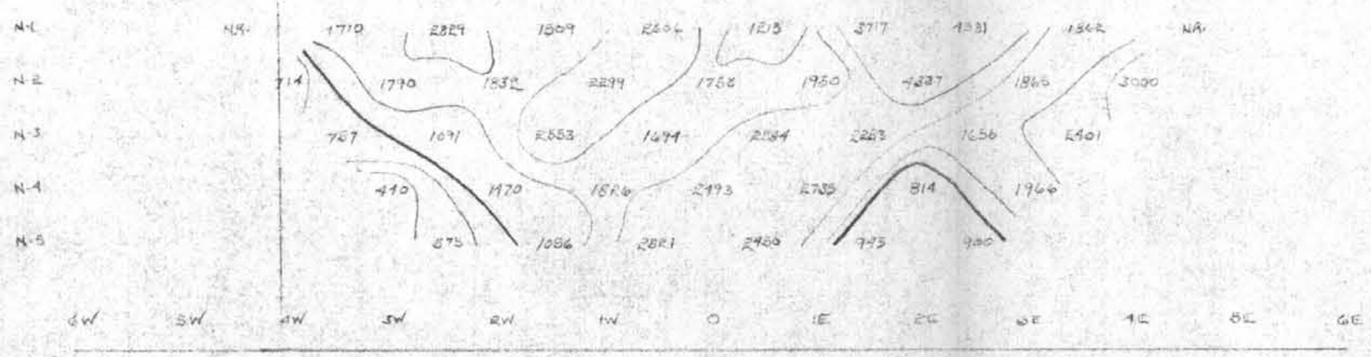
AMAX MINERALS EXPLORATION
TIDEWATER ALICE ARM B.C.
H.P. I.P. SURVEY DIPOLE DIPOLE
SCALE: 2CM = 100M SPREAD: 100M
FREQ: 0.345HZ
LINE: 17+50N
DATE: JUNE 26, 1979
OPERATOR: J. MAC NEIL

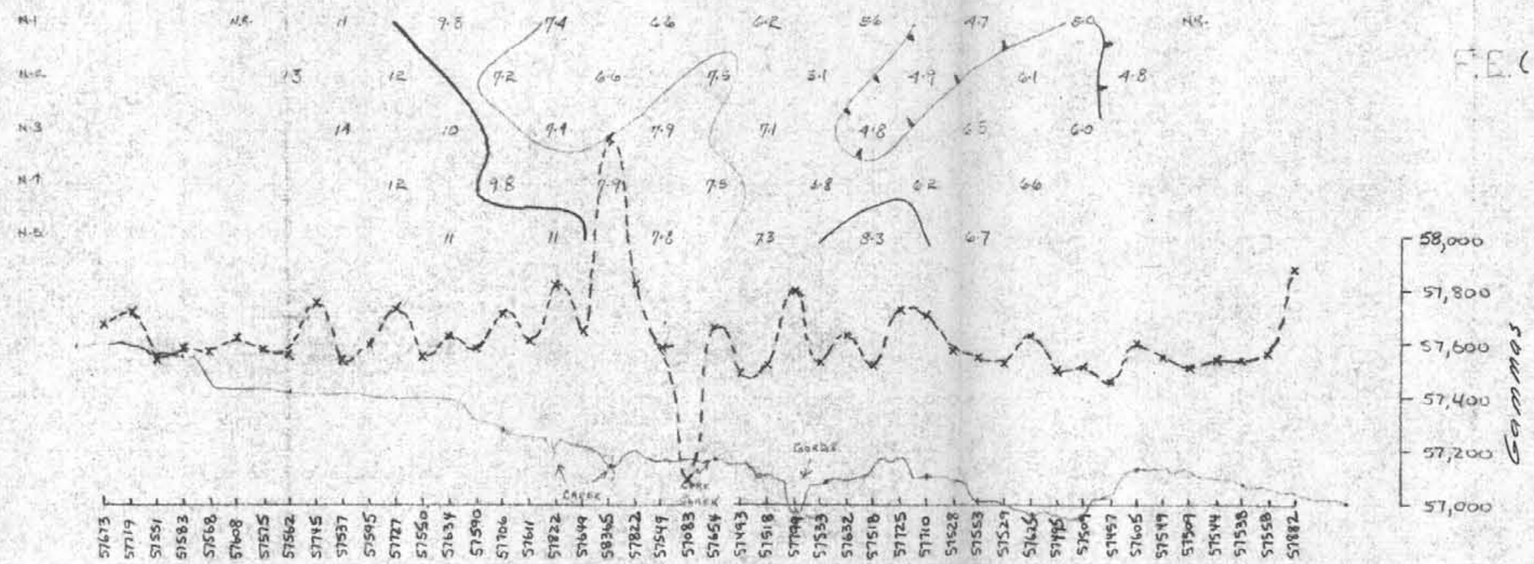


F.E (%)

FIG. 4C

J. L. LeBel
Aug. 21, 1979





Ea (ohm-m)

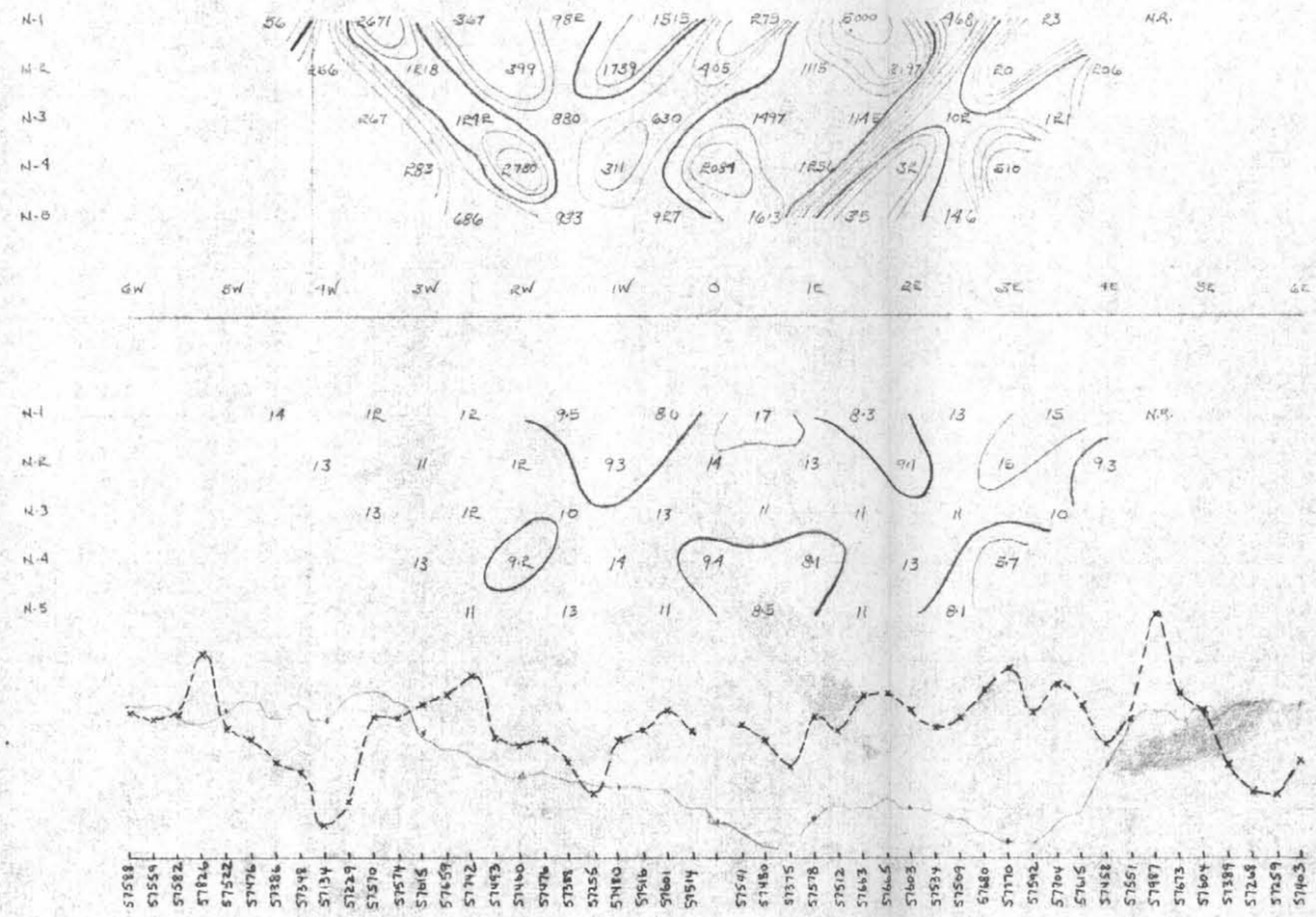
F.E. (%)

Mag.

AMAX MINERALS EXPLORATION
TIDEWATER, ALICE ARM B.C.
H.P. I.P. SURVEY DIPOLE DIPOLE
SCALE: 2CM=100M SPREAD: 100M
FREQ: 0.34 CHZ.
LINE: 2/N
DATE: JUNE 23 1979
OPERATOR: J MAC NEIL

Fig. 4d

J. L. LeBel
Aug 21, 1979



Qd

F.E.

AMAX MINERALS EXPLORATION
TIDEWATER ALICE ARM B.C.
H.P. I.P. SURVEY DIPOLE DIPOLE
SCALE: 20M=100M SPREAD: 100M
FREQ: 0.3 4 6 HZ
LINE: 24N
DATE: JUNE 22 1979
OPERATOR: J. MAC NEIL

Fig. 4e

J.L. LeBel
Aug. 21, 1979